

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW110819\
 Data File : VW013938.D
 Acq On : 08 Nov 2019 12:31
 Operator : SY/VA
 Sample : VW1108SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Manual Integrations
 APPROVED

MMDadoda
 11/12/2019 12:58:26 PM

Quant Time: Nov 09 03:32:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	276616	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	389494	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	332960	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	170461	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.30	65	110145	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
35) Dibromofluoromethane	7.88	113	109641	50.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.32%	
50) Toluene-d8	10.32	98	457968	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.62	95	150987	50.56	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.12%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	34178	23.453	ug/l	98
3) Chloromethane	2.21	50	37486	23.935	ug/l	96
4) Vinyl Chloride	2.36	62	56574	23.919	ug/l	97
5) Bromomethane	2.77	94	35122	22.579	ug/l	98
6) Chloroethane	2.92	64	31819	22.233	ug/l	96
7) Trichlorofluoromethane	3.26	101	32309	21.870	ug/l	98
8) Diethyl Ether	3.68	74	24235	20.305	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.06	101	51181	21.311	ug/l	99
10) Methyl Iodide	4.27	142	78719	20.114	ug/l #	93
11) Tert butyl alcohol	5.15	59	18897	152.546	ug/l	95
12) 1,1-Dichloroethene	4.04	96	53312	21.490	ug/l	95
13) Acrolein	3.89	56	12725	89.662	ug/l	100
14) Allyl chloride	4.66	41	79912	20.949	ug/l	99
15) Acrylonitrile	5.36	53	56805	117.044	ug/l	99
16) Acetone	4.12	43	50837	115.544	ug/l	89
17) Carbon Disulfide	4.38	76	155631	21.844	ug/l	99
18) Methyl Acetate	4.67	43	30873	25.598	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	64169	21.555	ug/l	98
20) Methylene Chloride	4.91	84	55057	19.884	ug/l	95
21) trans-1,2-Dichloroethene	5.42	96	58398	21.871	ug/l	100
22) Diisopropyl ether	6.31	45	143228	20.584	ug/l	99
23) Vinyl Acetate	6.25	43	420502	104.149	ug/l	99
24) 1,1-Dichloroethane	6.21	63	91682	20.804	ug/l	98
25) 2-Butanone	7.16	43	73017	115.432	ug/l	92
26) 2,2-Dichloropropane	7.16	77	56367	22.119	ug/l	98
27) cis-1,2-Dichloroethene	7.16	96	57624	20.318	ug/l	94
28) Bromochloromethane	7.51	49	24445	16.492	ug/l #	98
29) Tetrahydrofuran	7.52	42	45754	116.833	ug/l	99
30) Chloroform	7.67	83	89852	20.625	ug/l	99
31) Cyclohexane	7.95	56	94855	20.568	ug/l	98
32) 1,1,1-Trichloroethane	7.87	97	74951	21.924	ug/l	99
36) 1,1-Dichloropropene	8.08	75	77701	21.421	ug/l	99
37) Ethyl Acetate	7.25	43	30207	21.754	ug/l	98
38) Carbon Tetrachloride	8.07	117	71809	21.984	ug/l	93

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Quant Time: Nov 09 03:32:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	97814	20.881	ug/l	98
40) Benzene	8.32	78	215517	20.994	ug/l	99
41) Methacrylonitrile	7.48	41	17426	20.125	ug/l	95
42) 1,2-Dichloroethane	8.40	62	55554	21.475	ug/l	98
43) Isopropyl Acetate	8.42	43	57218	21.527	ug/l	99
44) Trichloroethene	9.09	130	62539	21.268	ug/l	99
45) 1,2-Dichloropropane	9.37	63	49151	20.045	ug/l	94
46) Dibromomethane	9.46	93	25577	21.492	ug/l	99
47) Bromodichloromethane	9.64	83	63577	20.647	ug/l	96
48) Methyl methacrylate	9.44	41	28530	21.646	ug/l	99
49) 1,4-Dioxane	9.45	88	10574	601.274	ug/l #	93
51) 4-Methyl-2-Pentanone	10.21	43	148401	112.361	ug/l	99
52) Toluene	10.38	92	138816	20.964	ug/l	98
53) t-1,3-Dichloropropene	10.60	75	64879	20.813	ug/l	96
54) cis-1,3-Dichloropropene	10.07	75	77962	20.271	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	37560	21.177	ug/l	97
56) Ethyl methacrylate	10.65	69	47320	21.324	ug/l	99
57) 1,3-Dichloropropane	10.93	76	65356	21.473	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.92	63	102190	100.060	ug/l	99
59) 2-Hexanone	10.96	43	102039	112.066	ug/l	100
60) Dibromochloromethane	11.13	129	43232	20.529	ug/l	98
61) 1,2-Dibromoethane	11.23	107	36316	21.643	ug/l	100
64) Tetrachloroethene	10.86	164	54548	21.442	ug/l	93
65) Chlorobenzene	11.66	112	141658	20.704	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	50111	20.986	ug/l	99
67) Ethyl Benzene	11.73	91	256317	20.776	ug/l	100
68) m/p-Xylenes	11.83	106	201077	42.185	ug/l	97
69) o-Xylene	12.16	106	91085	20.789	ug/l	97
70) Styrene	12.18	104	155917	20.712	ug/l	98
71) Bromoform	12.35	173	27422	21.883	ug/l	95
73) Isopropylbenzene	12.46	105	255964	20.910	ug/l	99
74) N-amyl acetate	12.27	43	50354	21.264	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	41604	21.537	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	27084m	22.125	ug/l	
77) Bromobenzene	12.74	156	61436	21.009	ug/l	100
78) n-propylbenzene	12.80	91	300406	21.202	ug/l	100
79) 2-Chlorotoluene	12.89	91	167678	21.059	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	216567	20.957	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.51	75	13615	21.019	ug/l	95
82) 4-Chlorotoluene	12.99	91	178029	21.297	ug/l	99
83) tert-Butylbenzene	13.21	119	191305	20.856	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	213927	20.986	ug/l	98
85) sec-Butylbenzene	13.38	105	265296	21.150	ug/l	99
86) p-Isopropyltoluene	13.50	119	247568	21.188	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	118968	20.997	ug/l	100
88) 1,4-Dichlorobenzene	13.58	146	118609	21.072	ug/l	99
89) n-Butylbenzene	13.82	91	222012	21.051	ug/l	99
90) Hexachloroethane	14.09	117	41691	20.528	ug/l	100
91) 1,2-Dichlorobenzene	13.87	146	103510	21.070	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6760	23.142	ug/l	93

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Quant Title : SW846 8260
QLast Update : Wed Oct 23 14:11:46 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	70008	19.581	ug/l	97
94) Hexachlorobutadiene	15.24	225	50302	20.841	ug/l	99
95) Naphthalene	15.36	128	109487	19.532	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	60396	19.604	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

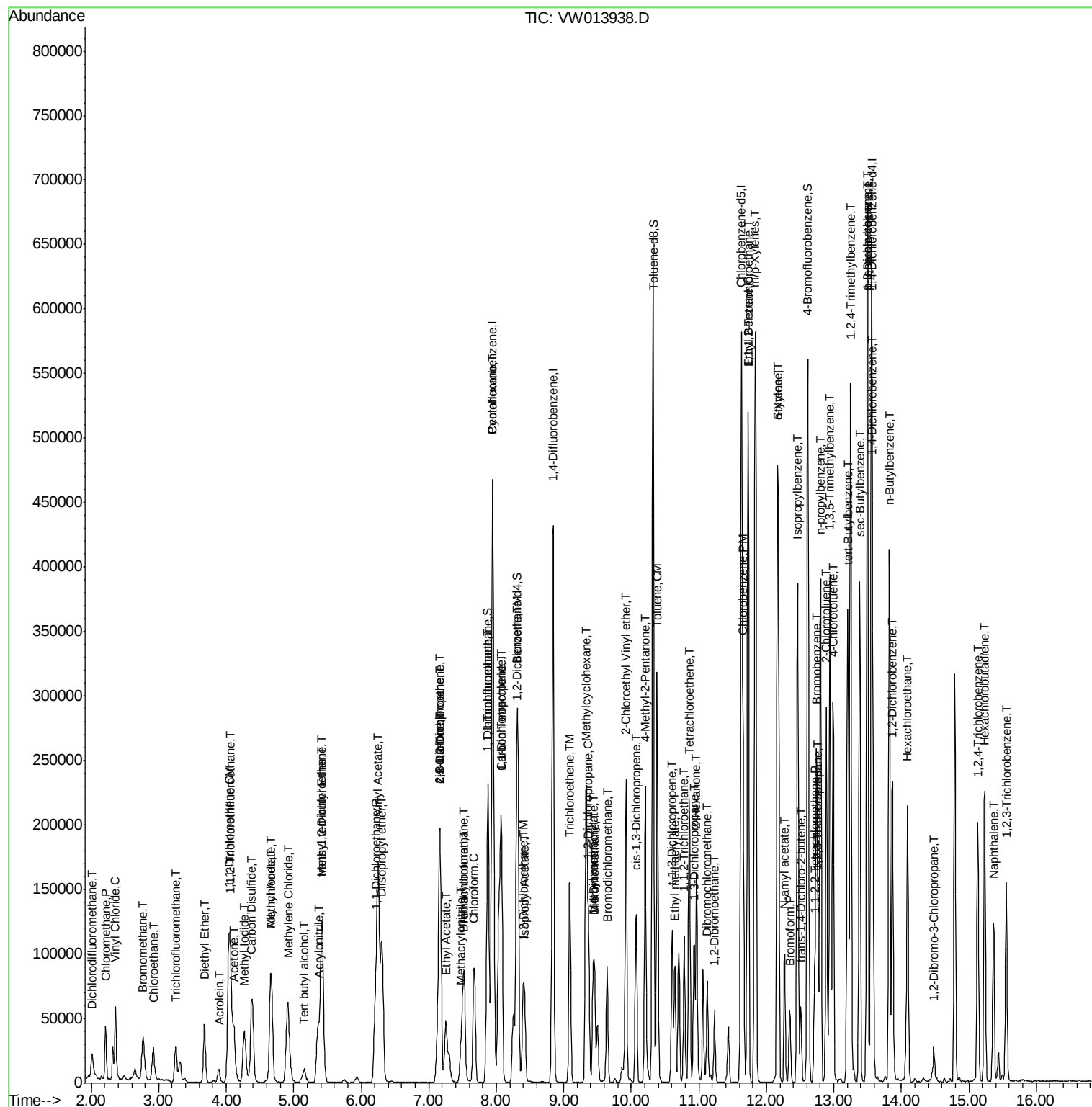
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Data File : VW013938.D
Acq On : 08 Nov 2019 12:31
Operator : SY/VA
Sample : VW1108SBS01
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 4 Sample Multiplier: 1

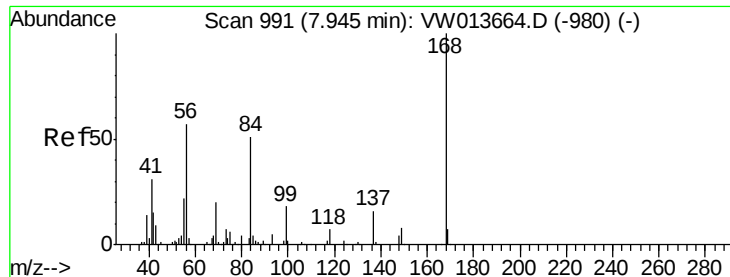
Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion:168 Resp: 276616

Ion Ratio Lower Upper

168 100

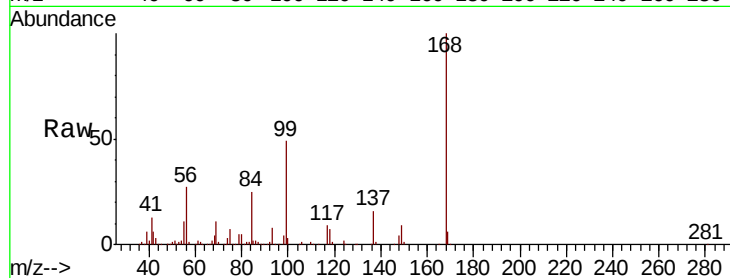
99 49.1 39.0 58.6

Manual Integrations

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11/12/2019 12:58:26 PM



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

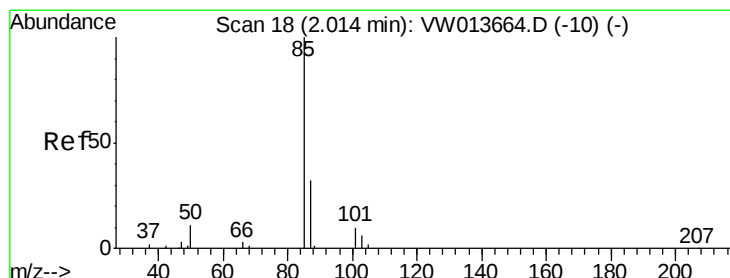
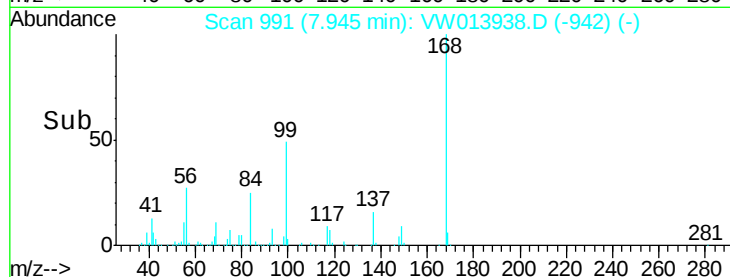
7.95

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.453 ug/l

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW013938.D

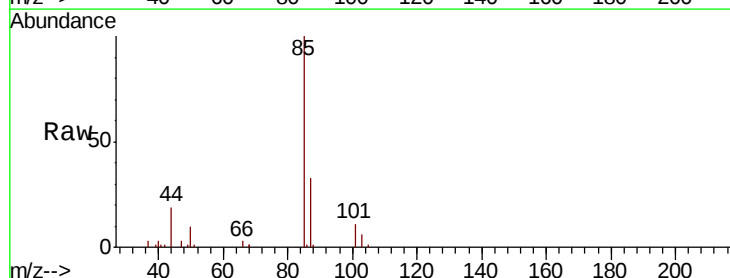
Acq: 08 Nov 2019 12:31

Tgt Ion: 85 Resp: 34178

Ion Ratio Lower Upper

85 100

87 33.2 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

12000

10000

8000

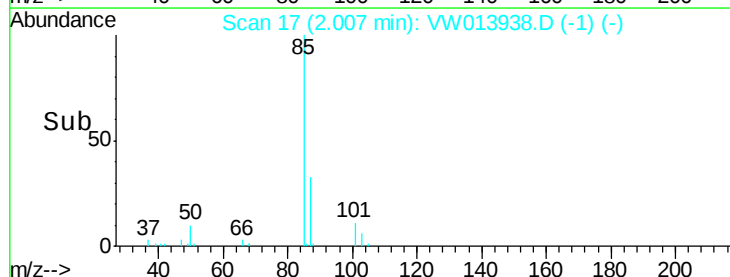
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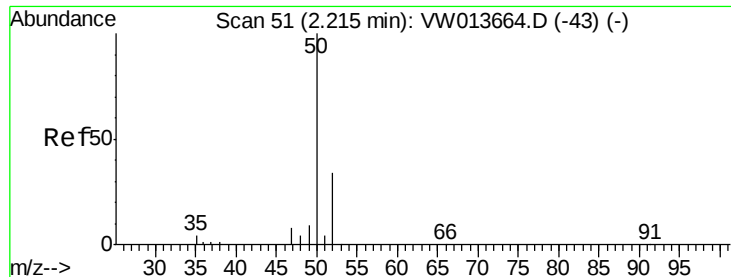
4000

2000

0

Time-->





#3

Chloromethane

Concen: 23.935 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 50 Resp: 37486

Ion Ratio Lower Upper

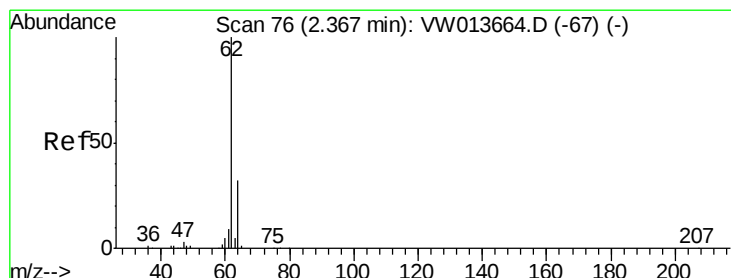
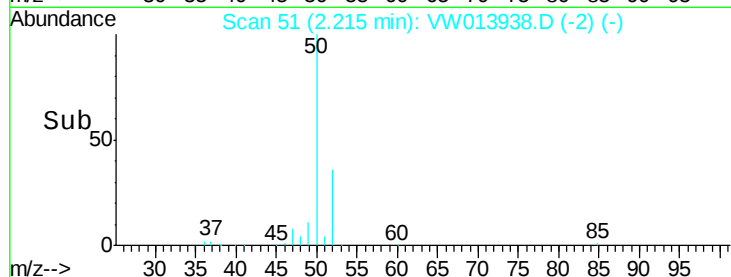
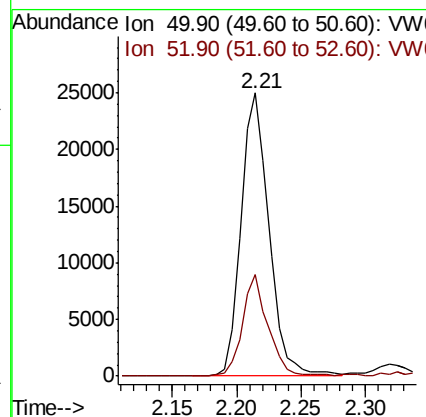
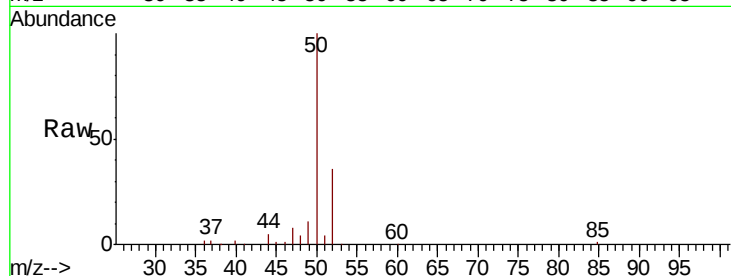
50 100

52 35.8 26.9 40.3

Manual Integrations
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#4

Vinyl Chloride

Concen: 23.919 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013938.D

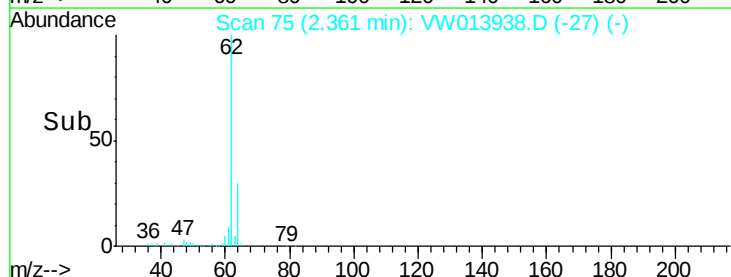
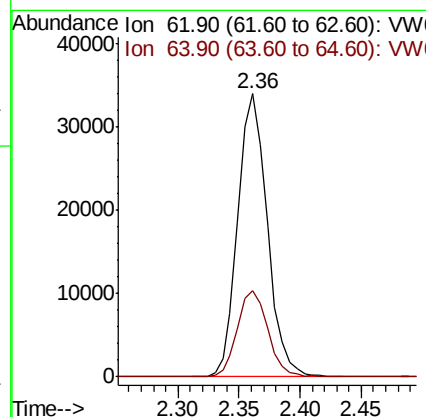
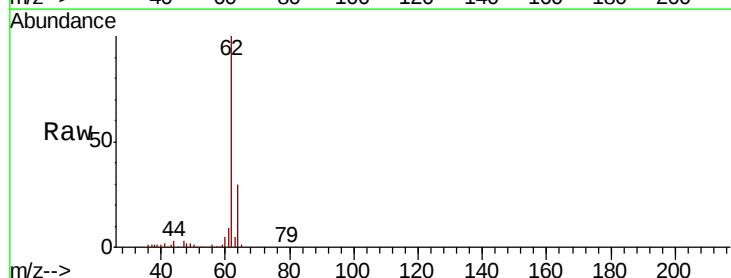
Acq: 08 Nov 2019 12:31

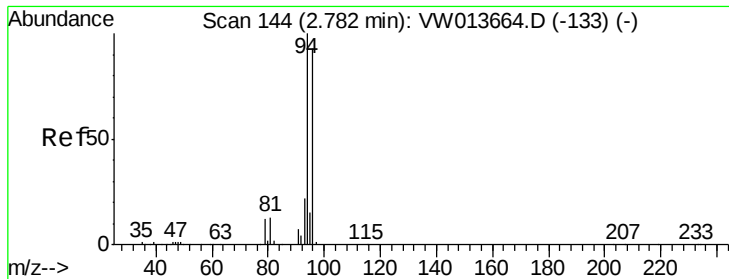
Tgt Ion: 62 Resp: 56574

Ion Ratio Lower Upper

62 100

64 30.3 25.5 38.3





#5

Bromomethane

Concen: 22.579 ug/l

RT: 2.77 min Scan# 142

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 94 Resp: 35122

Ion Ratio Lower Upper

94 100

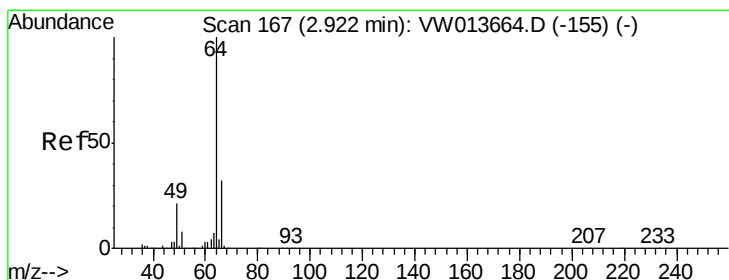
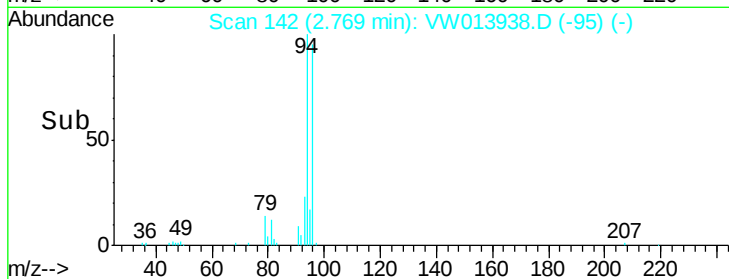
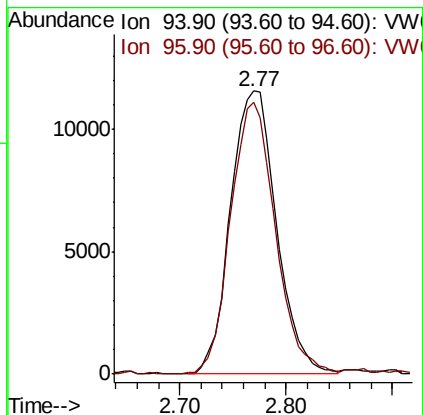
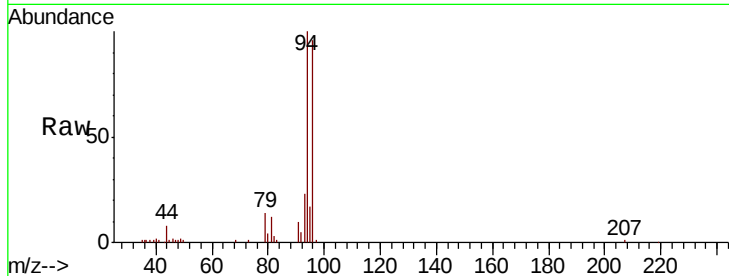
96 95.2 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 22.233 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013938.D

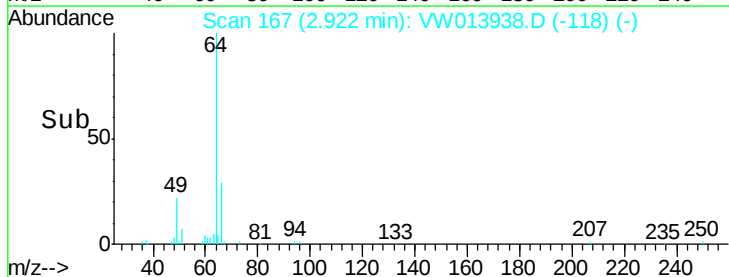
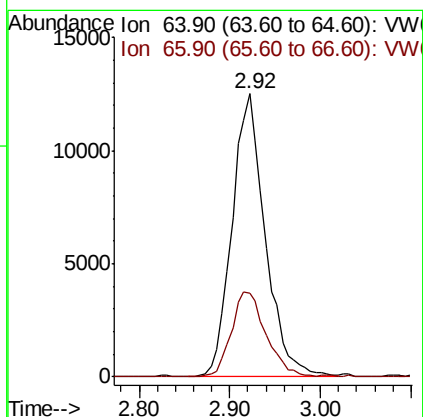
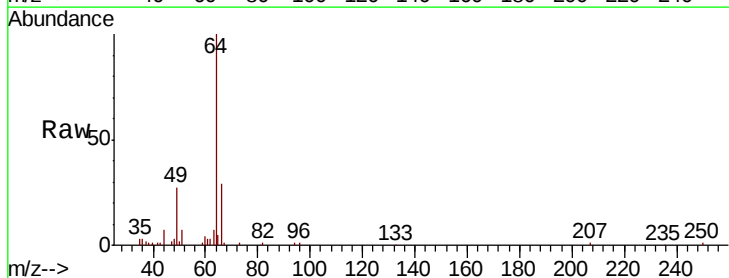
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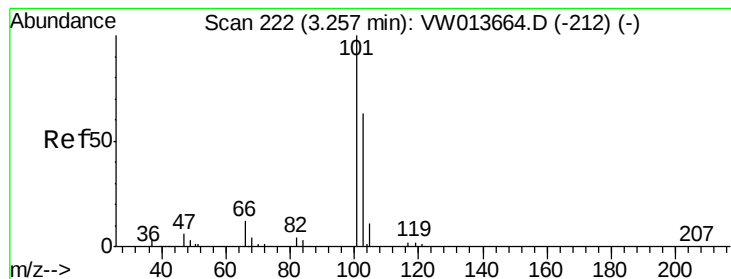
Tgt Ion: 64 Resp: 31819

Ion Ratio Lower Upper

64 100

66 29.4 25.4 38.0





#7

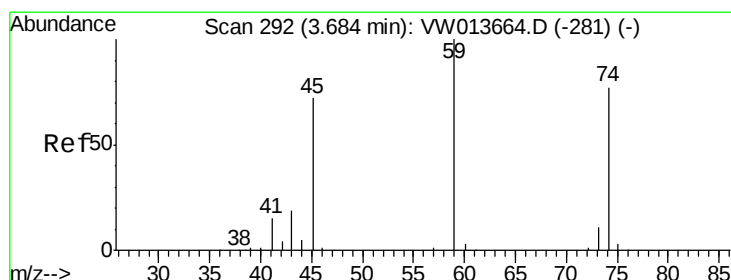
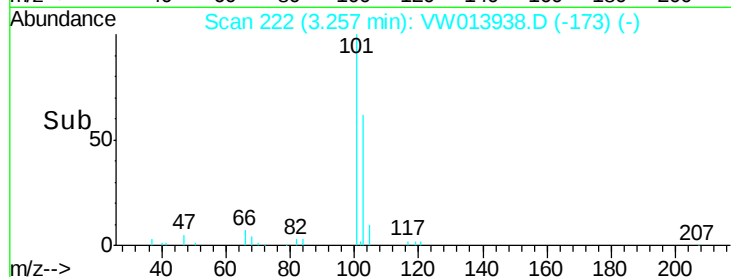
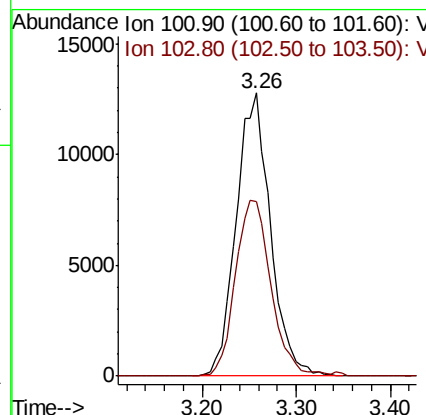
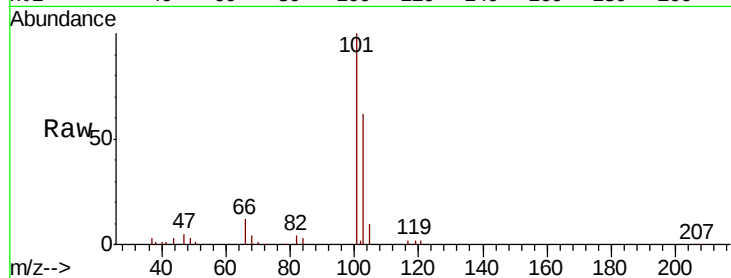
Trichlorofluoromethane
Concen: 21.870 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
101	100		
103	61.8	50.6	76.0

Manual Integrations
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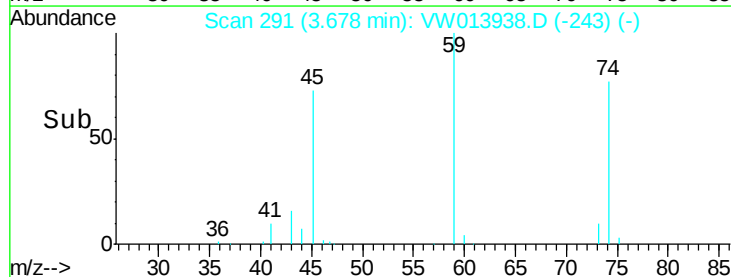
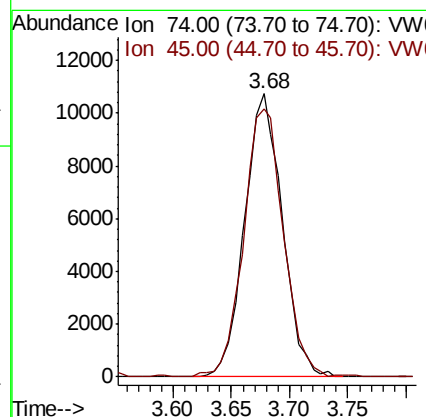
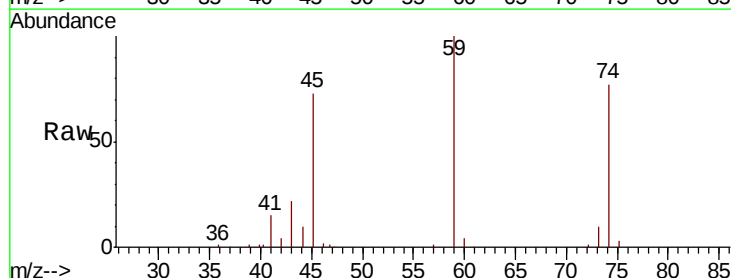
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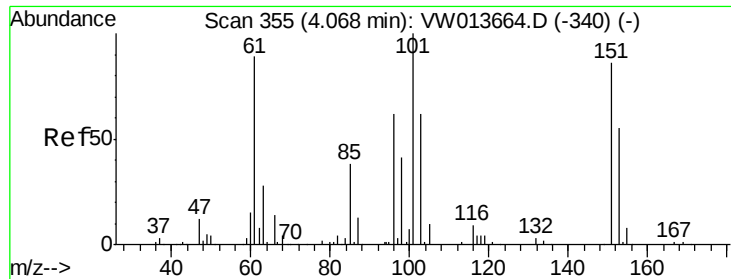


#8

Diethyl Ether
Concen: 20.305 ug/l
RT: 3.68 min Scan# 291
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
74	100		
45	99.7	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.311 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

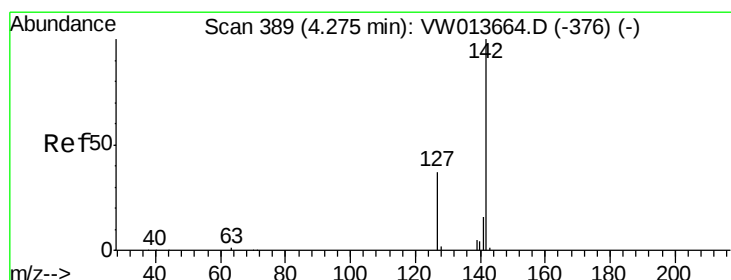
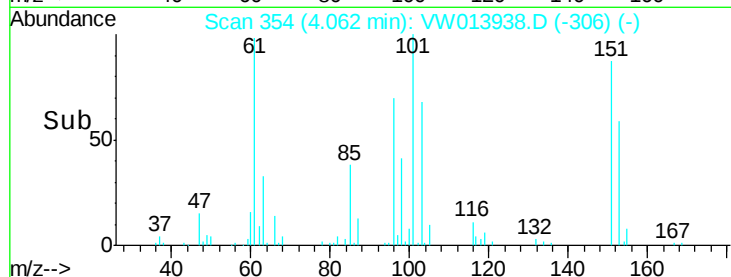
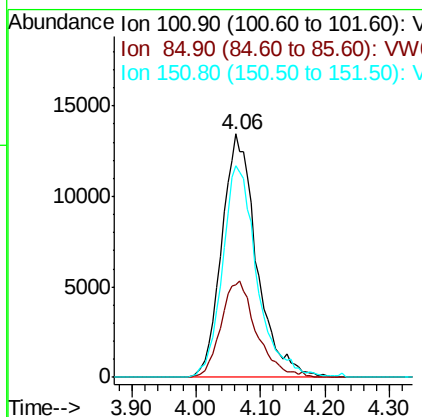
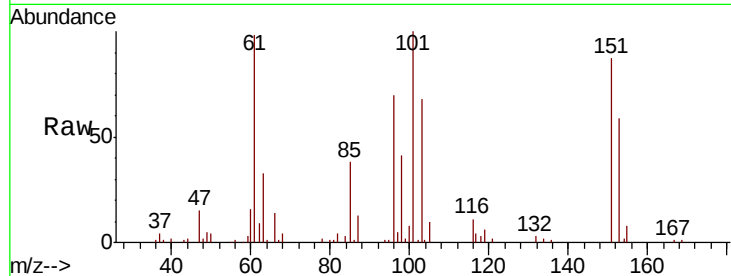
ClientSampleId :

VW1108SBS01

Tot Ion:	101	Resp:	51181
Ion Ratio	Lower	Upper	
101	100		
85	40.4	31.0	46.6
151	86.0	68.2	102.4

Manual Integrations
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#10

Methyl Iodide

Concen: 20.114 ug/l

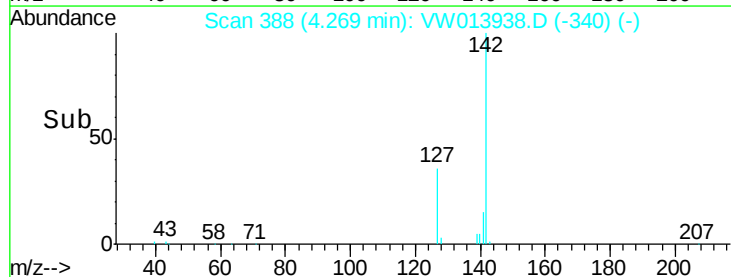
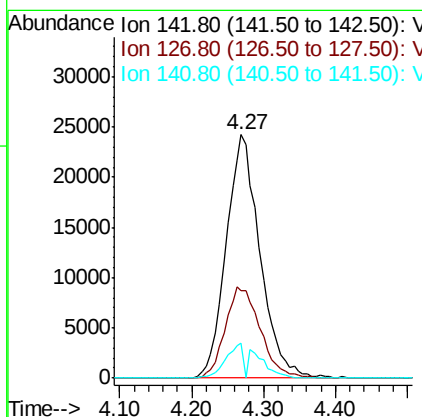
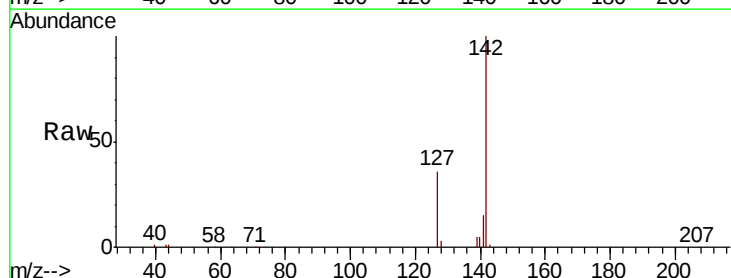
RT: 4.27 min Scan# 388

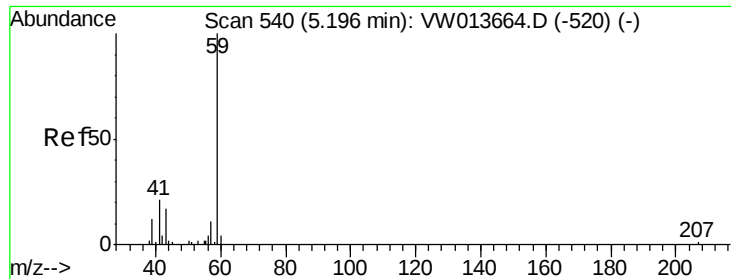
Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion:	142	Resp:	78719
Ion Ratio	Lower	Upper	
142	100		
127	39.1	30.3	45.5
141	7.2	11.8	17.8#





#11

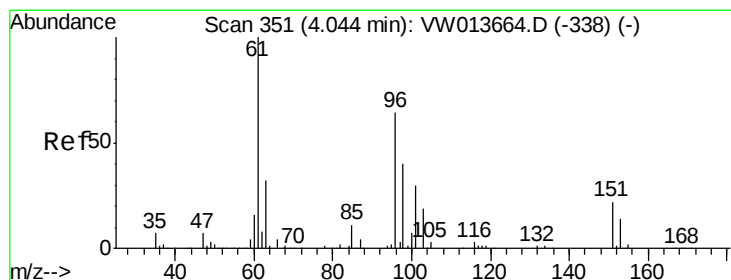
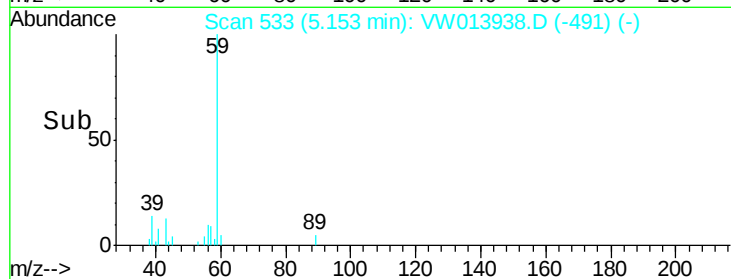
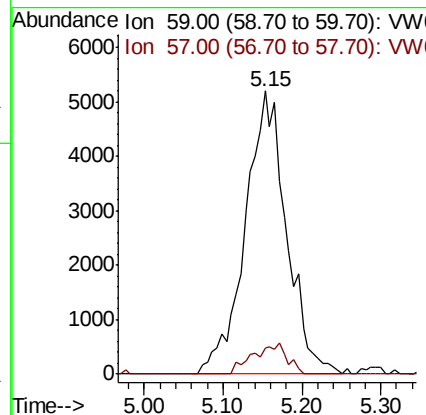
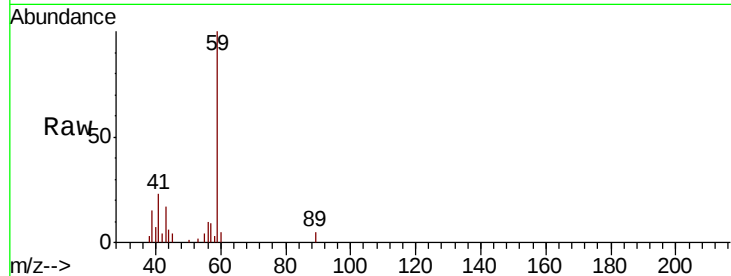
Tert butyl alcohol
Concen: 152.546 ug/l
RT: 5.15 min Scan# 533
Delta R.T. -0.04 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.0	8.8	13.2

Manual Integrations
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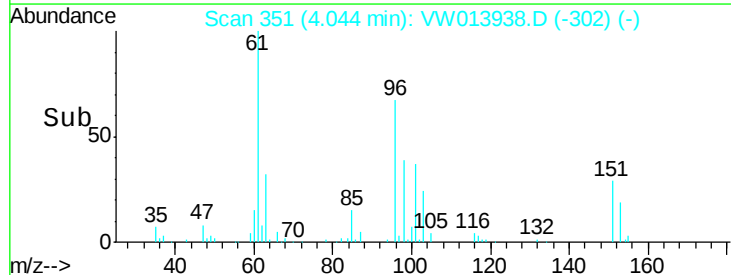
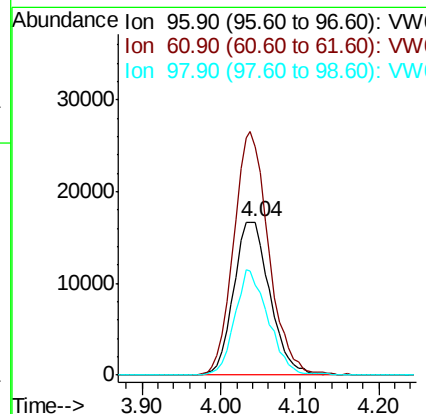
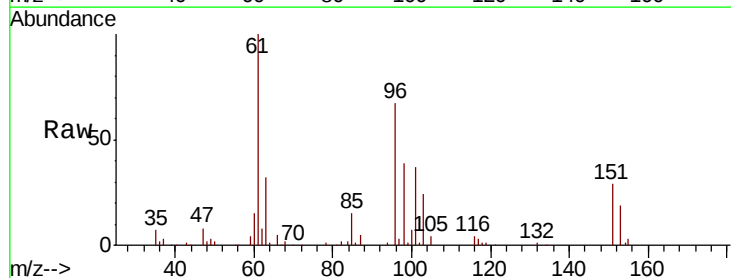
MMDadoda
11/12/2019 12:58:26 PM

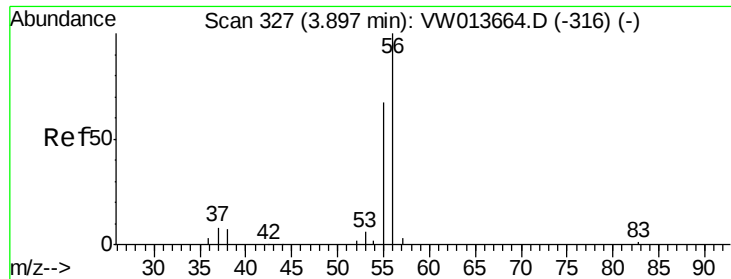


#12

1,1-Dichloroethene
Concen: 21.490 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	149.3	125.0	187.6
98	58.9	50.3	75.5





#13

Acrolein

Concen: 89.662 ug/l

RT: 3.89 min Scan# 325

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 56 Resp: 12725

Ion Ratio Lower Upper

56 100

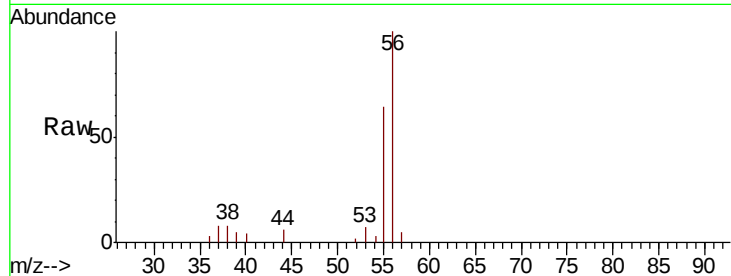
55 70.3 56.1 84.1

Manual Integrations

APPROVED

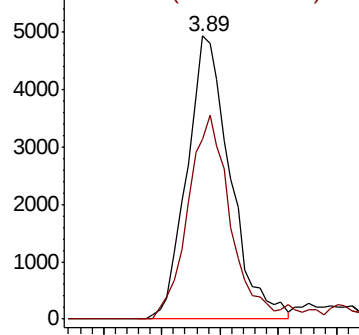
MMDadoda

11/12/2019 12:58:26 PM

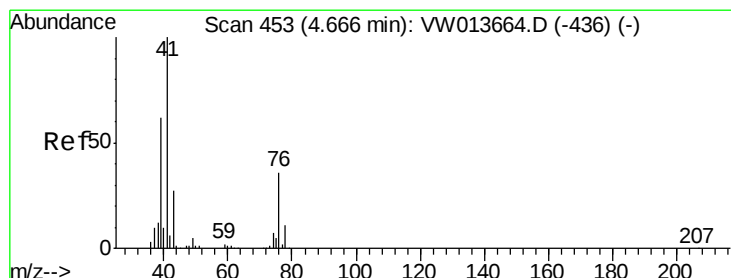
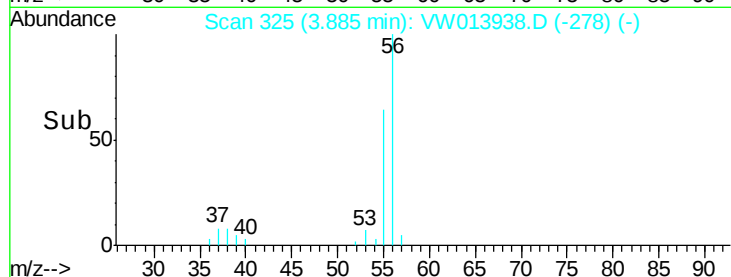


Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



Time-->



#14

Allyl chloride

Concen: 20.949 ug/l

RT: 4.66 min Scan# 452

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

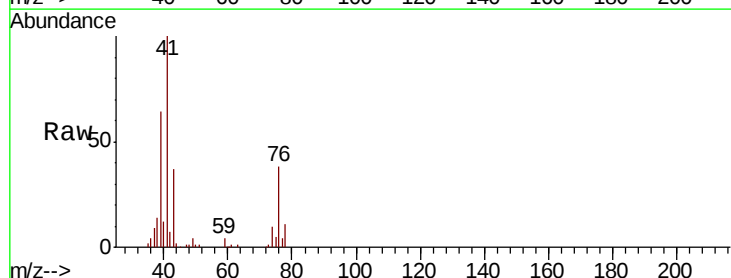
Tgt Ion: 41 Resp: 79912

Ion Ratio Lower Upper

41 100

39 63.3 50.0 75.0

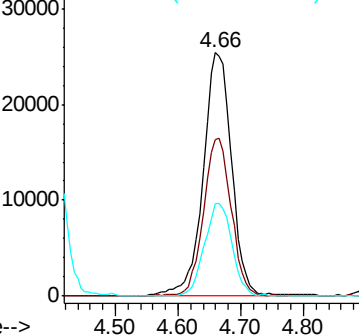
76 36.6 29.6 44.4



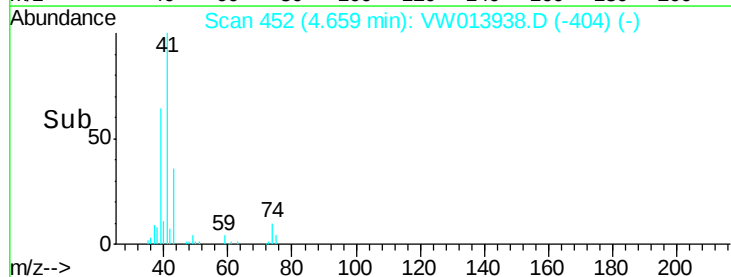
Abundance Ion 41.00 (40.70 to 41.70): VW

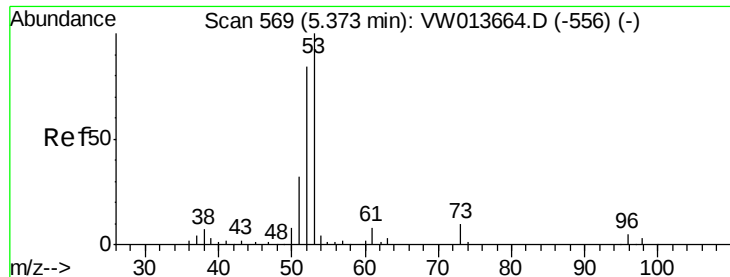
Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW



Time-->





#15

Acrylonitrile

Concen: 117.044 ug/l

RT: 5.36 min Scan# 567

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

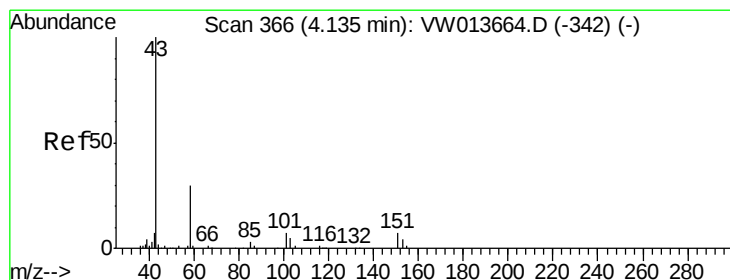
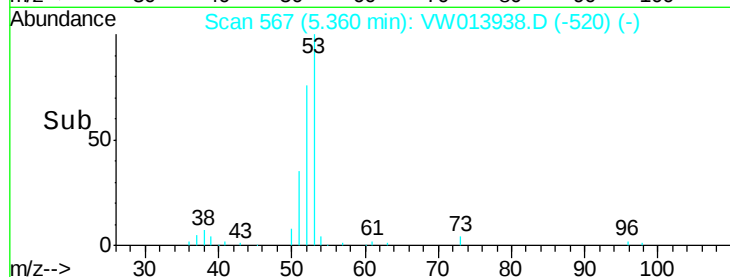
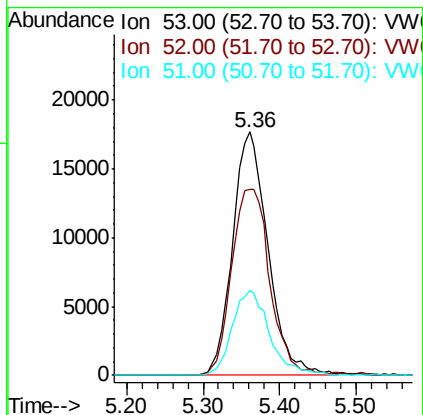
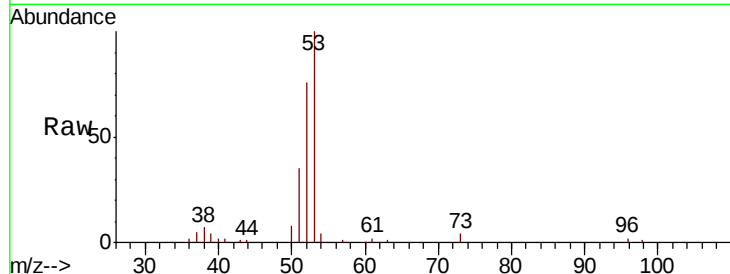
ClientSampleId :

VW1108SBS01

Tot Ion:	53	Resp:	56805
Ion	Ratio	Lower	Upper
53	100		
52	82.3	67.4	101.0
51	36.5	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 115.544 ug/l

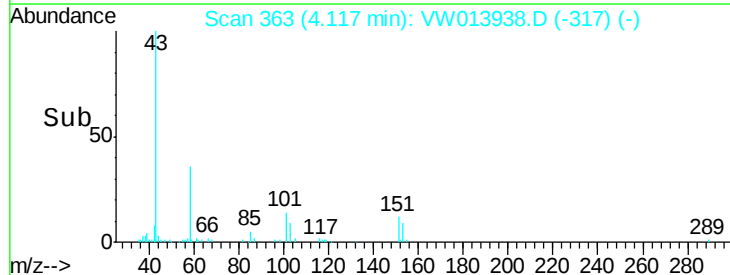
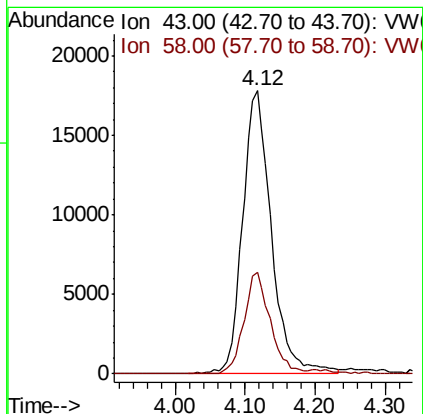
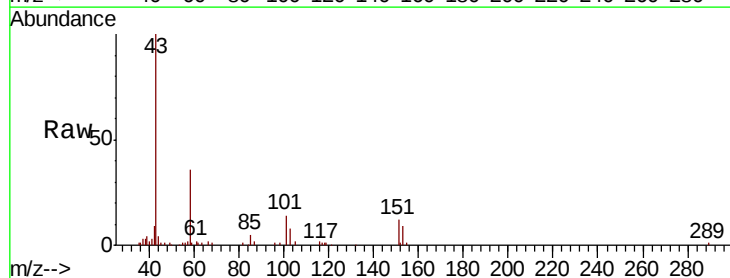
RT: 4.12 min Scan# 363

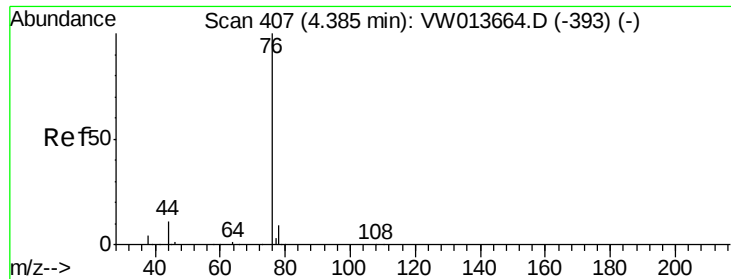
Delta R.T. -0.02 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion:	43	Resp:	50837
Ion	Ratio	Lower	Upper
43	100		
58	36.0	24.1	36.1





#17

Carbon Disulfide

Concen: 21.844 ug/l

RT: 4.38 min Scan# 407

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 76 Resp: 155631

Ion Ratio Lower Upper

76 100

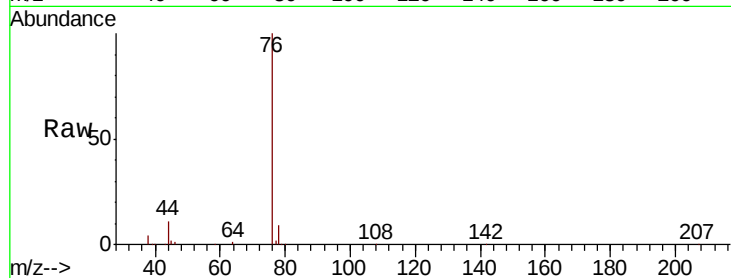
78 8.6 7.0 10.6

Manual Integrations

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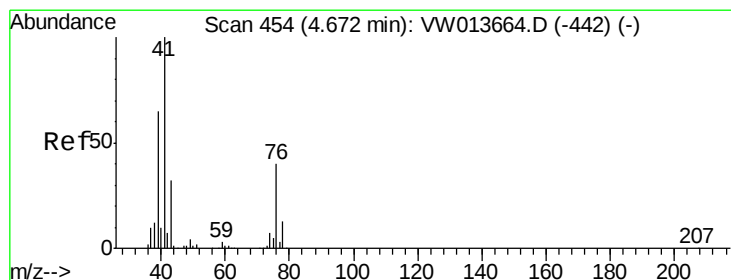
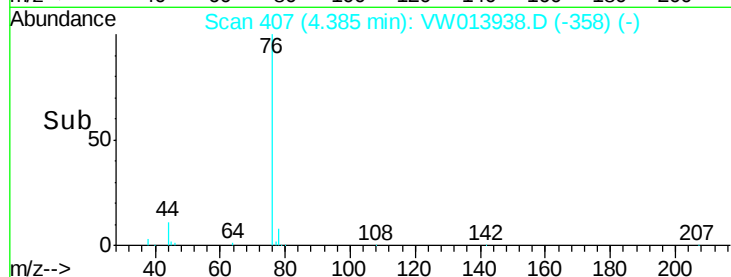
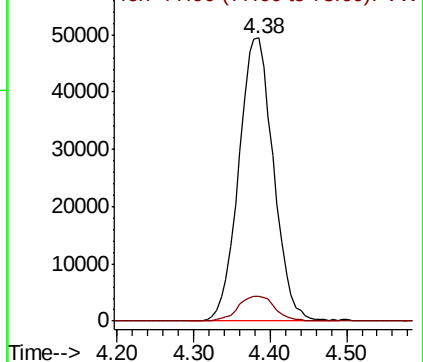
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Abundance Ion 75.90 (75.60 to 76.60): VW

Ion 77.90 (77.60 to 78.60): VW



#18

Methyl Acetate

Concen: 25.598 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW013938.D

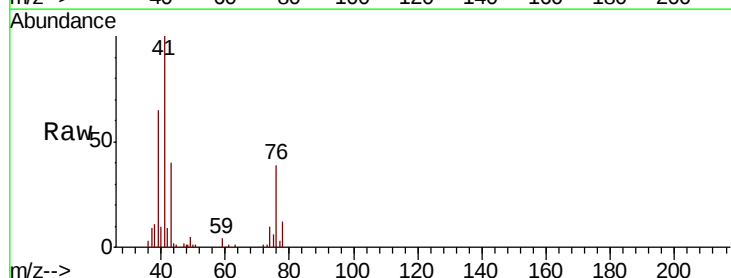
Acq: 08 Nov 2019 12:31

Tgt Ion: 43 Resp: 30873

Ion Ratio Lower Upper

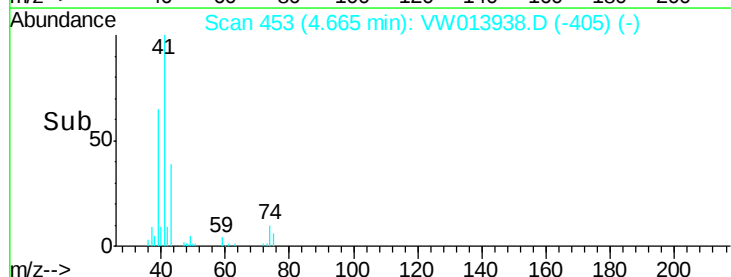
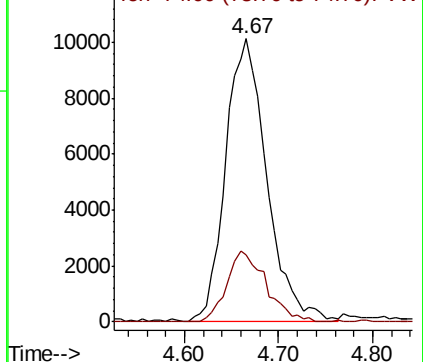
43 100

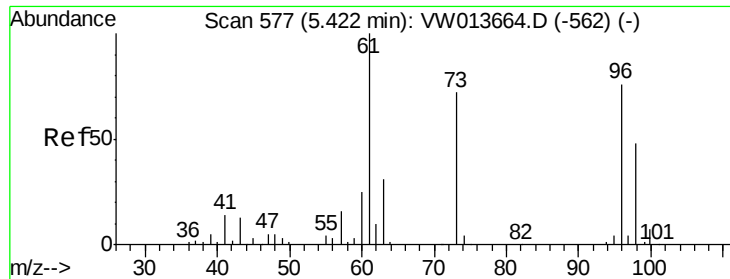
74 23.8 19.8 29.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 74.00 (73.70 to 74.70): VW





#19

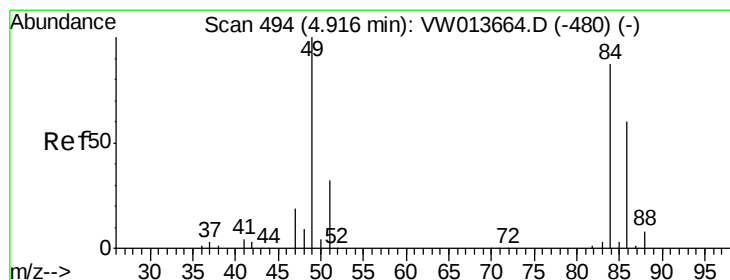
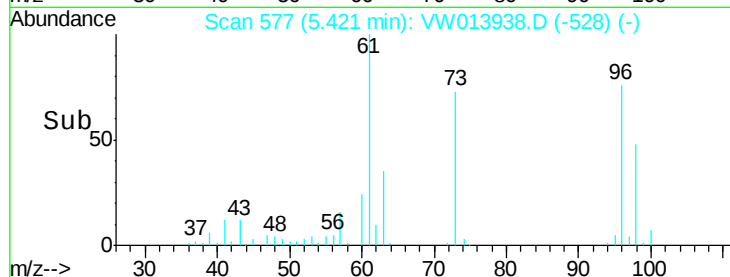
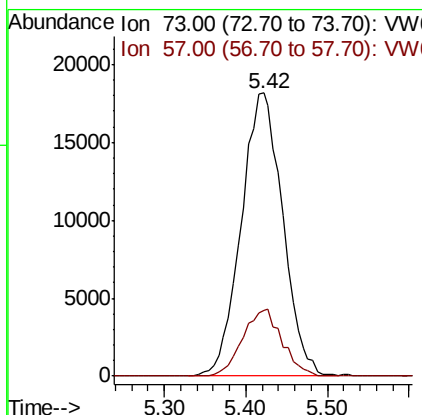
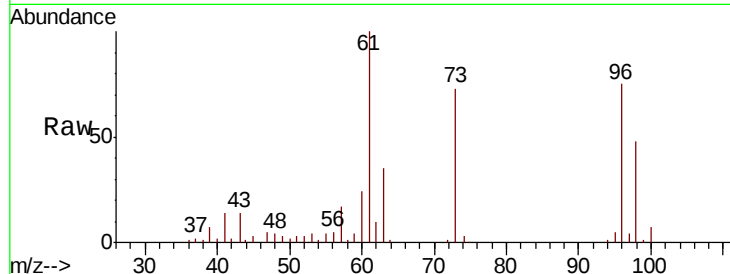
Methyl tert-butyl Ether
 Concen: 21.555 ug/l
 RT: 5.42 min Scan# 577
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion: 73 Resp: 64169
 Ion Ratio Lower Upper
 73 100
 57 23.2 17.6 26.4

Manual Integrations
 APPROVED

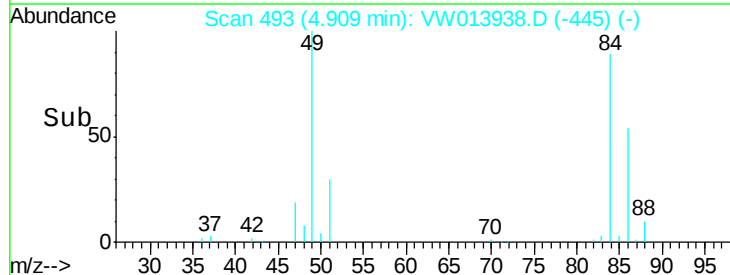
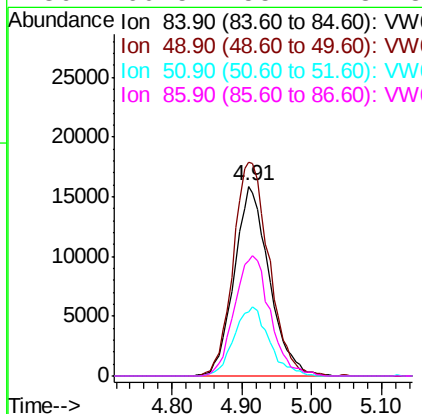
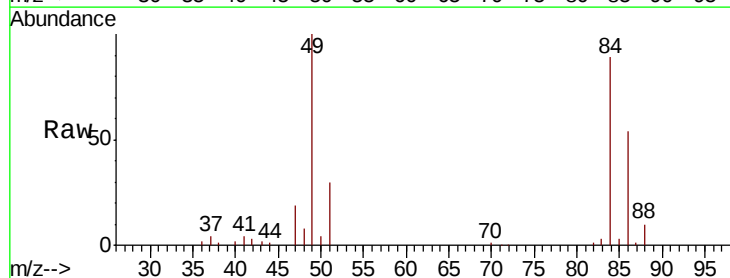
MMDadoda
 11/12/2019 12:58:26 PM

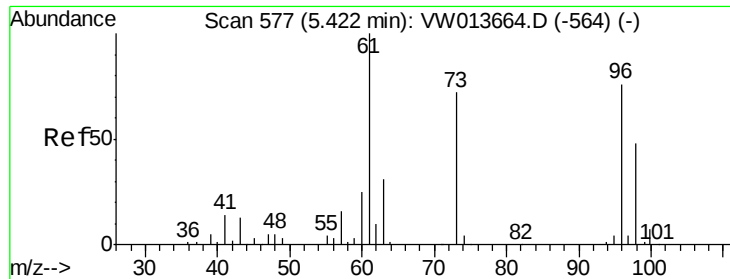


#20

Methylene Chloride
 Concen: 19.884 ug/l
 RT: 4.91 min Scan# 493
 Delta R.T. -0.01 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Tgt Ion: 84 Resp: 55057
 Ion Ratio Lower Upper
 84 100
 49 112.4 91.8 137.6
 51 33.9 29.8 44.6
 86 60.5 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 21.871 ug/l

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 96 Resp: 58398

Ion Ratio Lower Upper

96 100

61 131.5 104.8 157.2

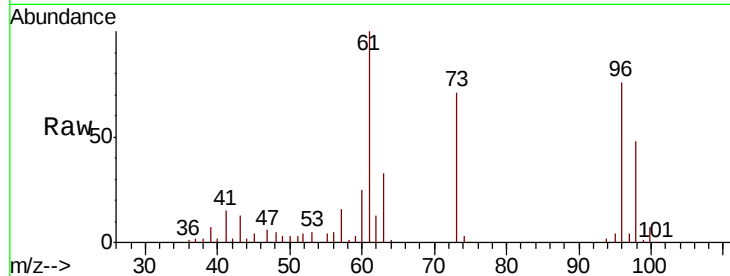
98 63.7 50.6 76.0

Manual Integrations

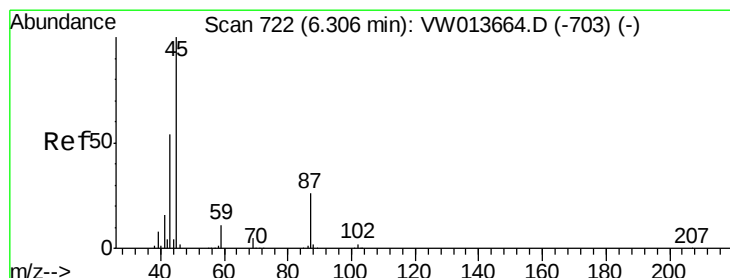
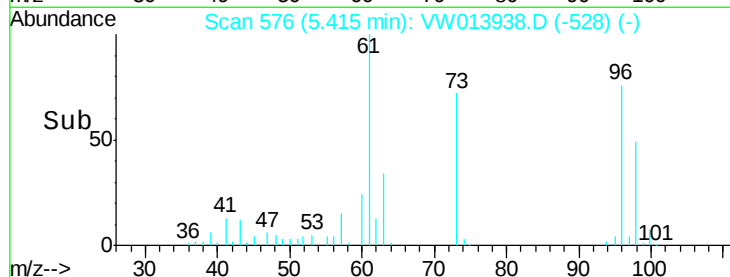
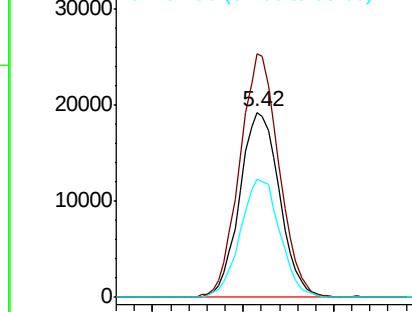
APPROVED

MMDadoda

11/12/2019 12:58:26 PM



Abundance Ion 95.90 (95.60 to 96.60): VW
Ion 60.90 (60.60 to 61.60): VW
Ion 97.90 (97.60 to 98.60): VW



#22

Diisopropyl ether

Concen: 20.584 ug/l

RT: 6.31 min Scan# 722

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion: 45 Resp: 143228

Ion Ratio Lower Upper

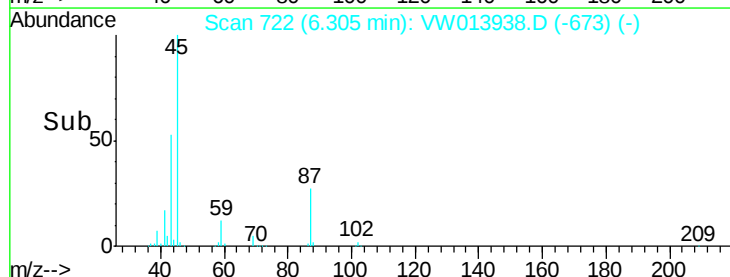
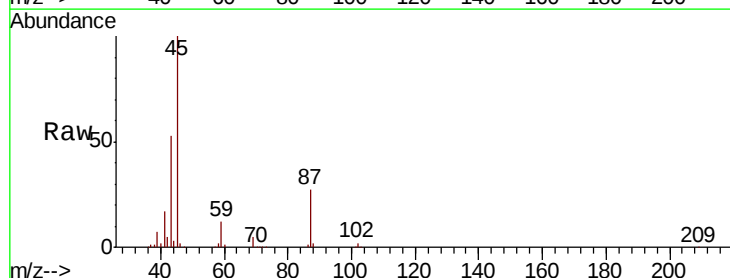
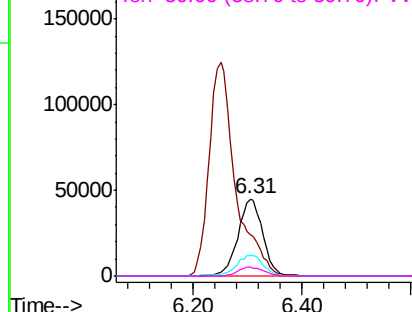
45 100

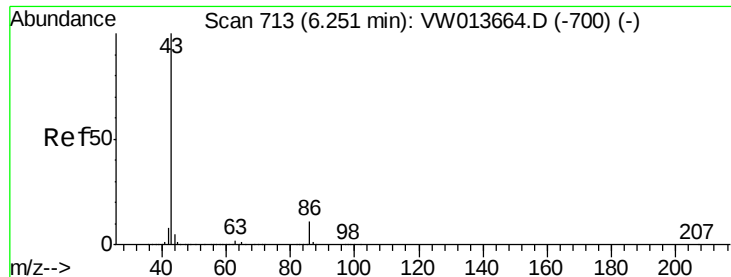
43 52.8 43.4 65.2

87 26.8 21.5 32.3

59 11.8 9.2 13.8

Abundance Ion 45.00 (44.70 to 45.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 87.00 (86.70 to 87.70): VW
Ion 59.00 (58.70 to 59.70): VW





#23

Vinyl Acetate

Concen: 104.149 ug/l

RT: 6.25 min Scan# 713

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 420502

Ion Ratio Lower Upper

43 100

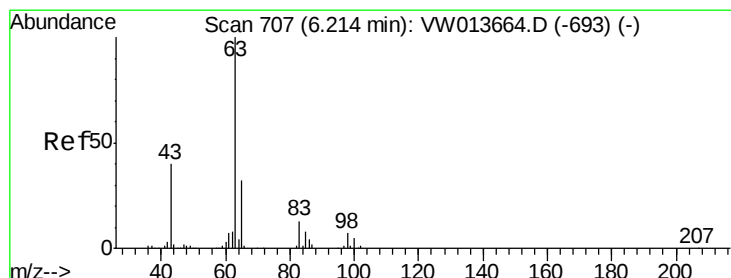
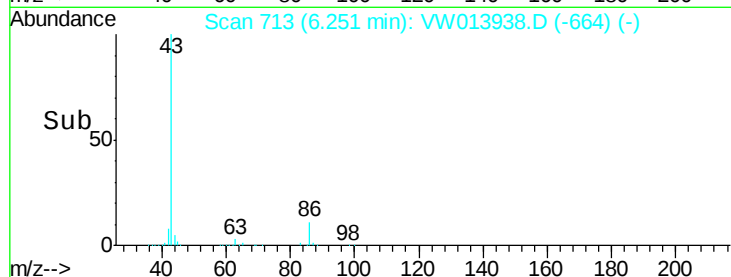
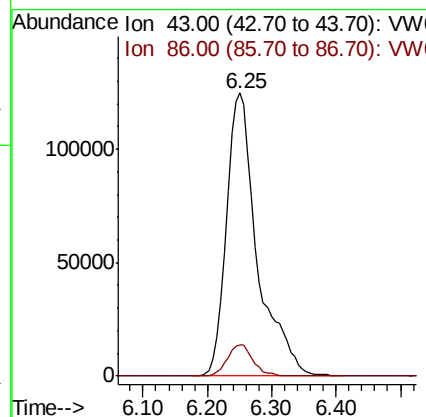
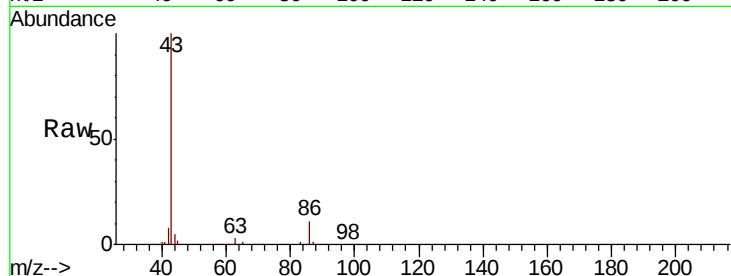
86 11.1 9.0 13.6

Manual Integrations

APPROVED

MMDadoda

11/12/2019 12:58:26 PM



#24

1,1-Dichloroethane

Concen: 20.804 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

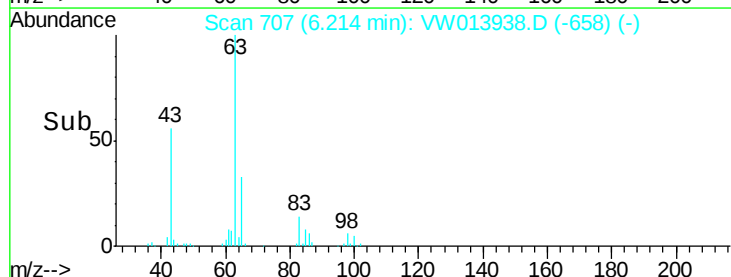
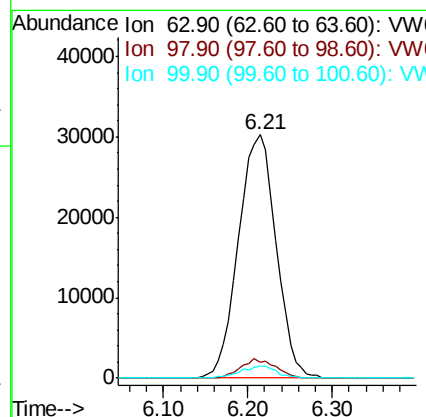
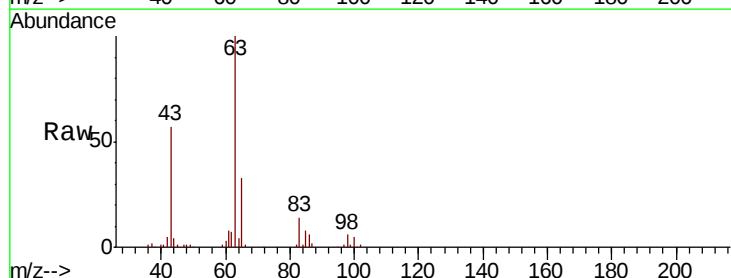
Tgt Ion: 63 Resp: 91682

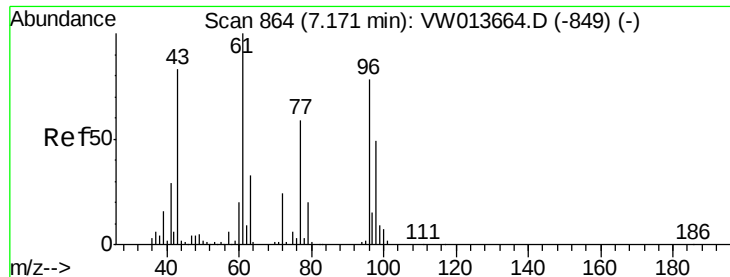
Ion Ratio Lower Upper

63 100

98 6.3 3.6 10.9

100 5.0 2.5 7.4





#25

2-Butanone

Concen: 115.432 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 73017

Ion Ratio Lower Upper

43 100

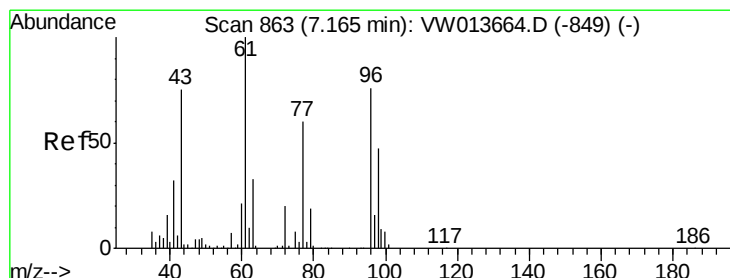
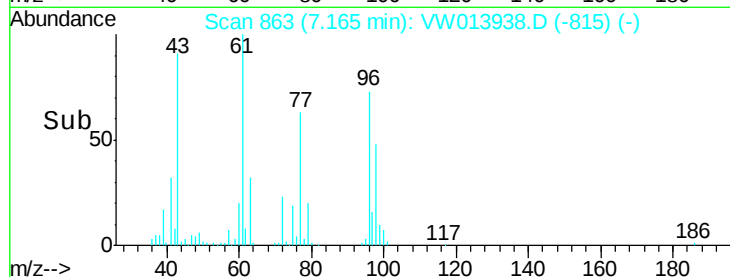
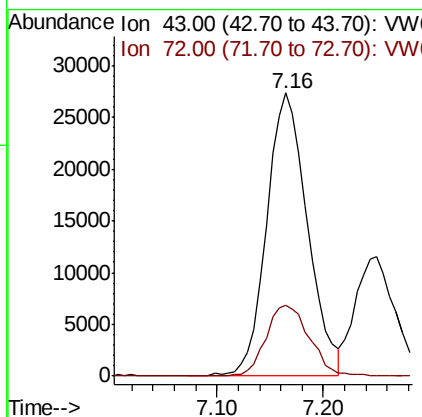
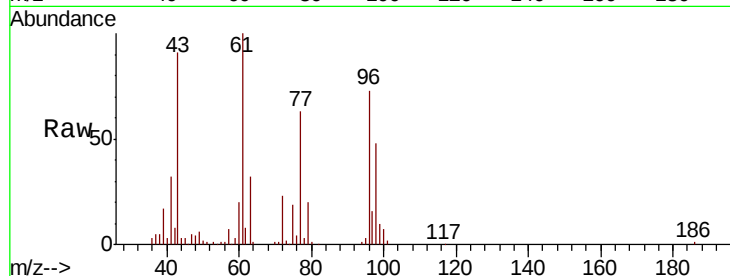
72 25.2 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 22.119 ug/l

RT: 7.16 min Scan# 863

Delta R.T. -0.00 min

Lab File: VW013938.D

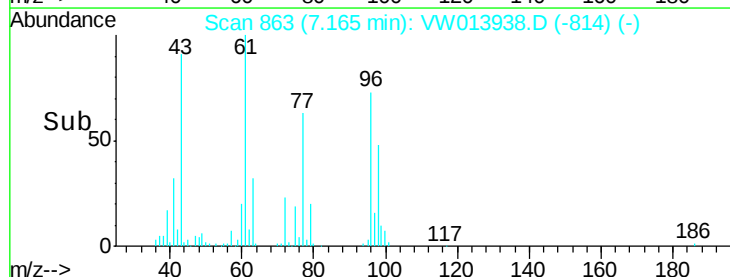
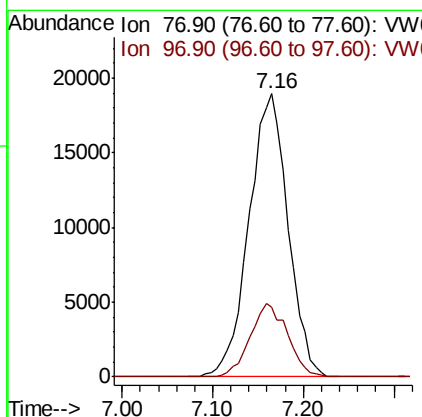
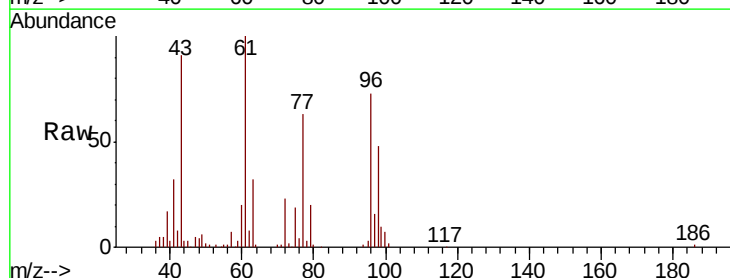
Acq: 08 Nov 2019 12:31

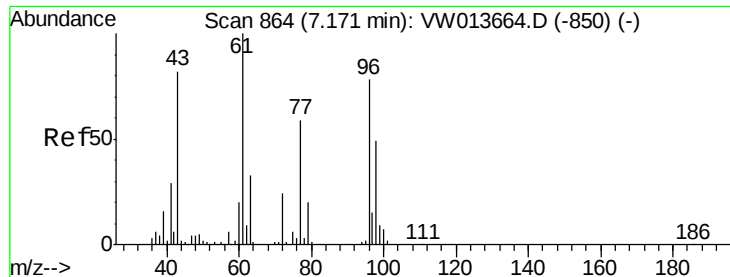
Tgt Ion: 77 Resp: 56367

Ion Ratio Lower Upper

77 100

97 24.7 12.8 38.4





#27

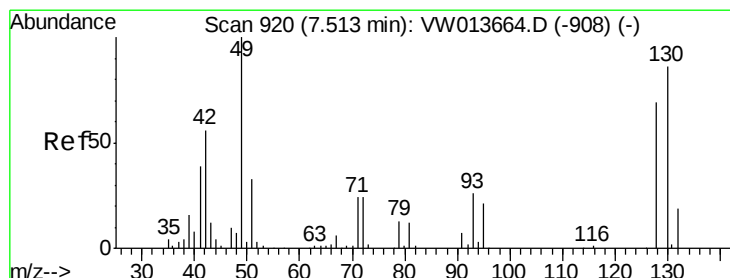
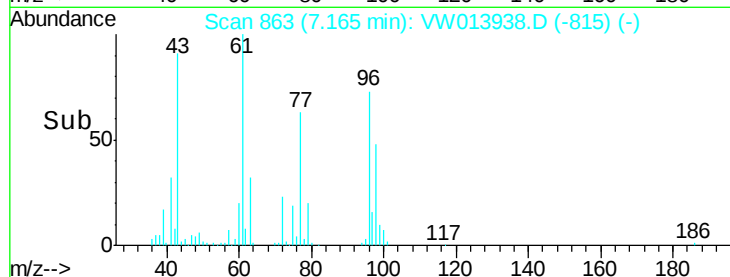
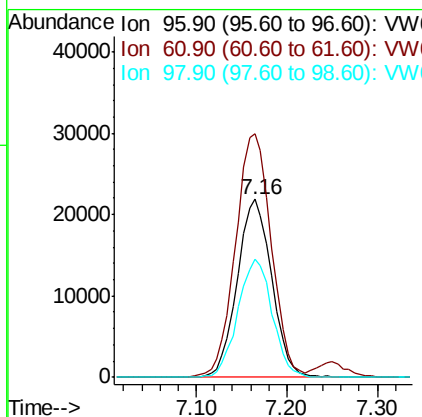
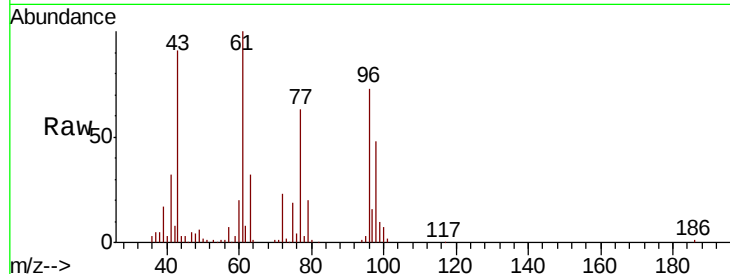
cis-1,2-Dichloroethene
Concen: 20.318 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	141.9	0.0	266.0
98	66.4	0.0	126.8

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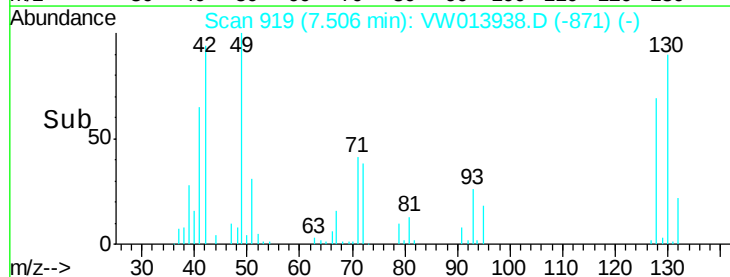
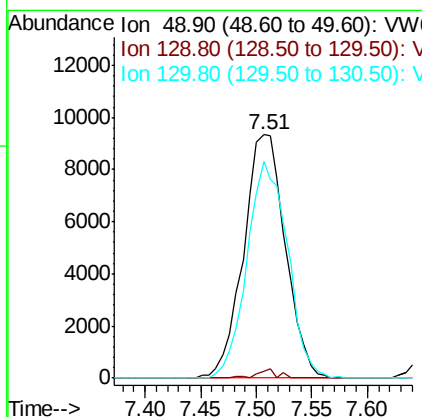
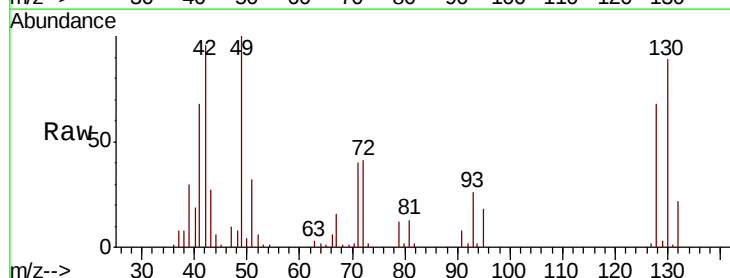
MMDadoda
11/12/2019 12:58:26 PM

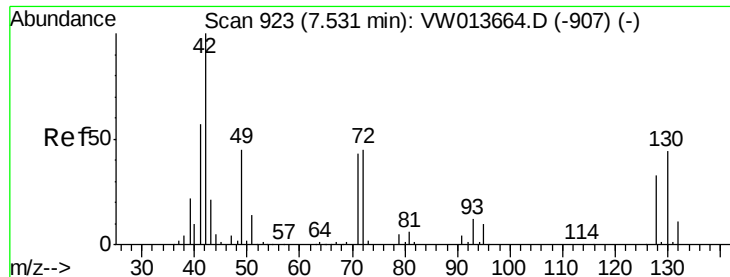


#28

Bromochloromethane
Concen: 16.492 ug/l
RT: 7.51 min Scan# 919
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	0.6#
130	86.2	67.5	101.3





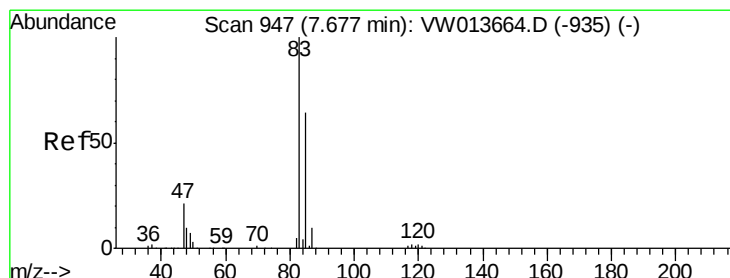
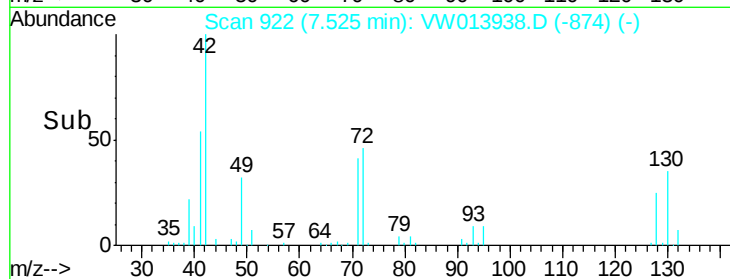
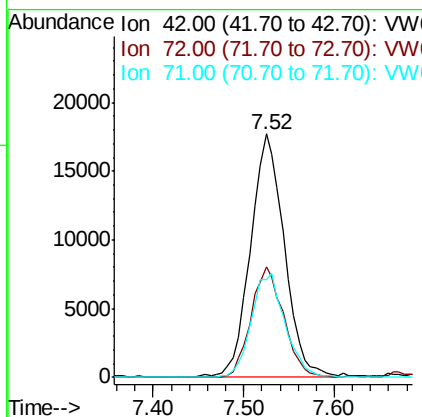
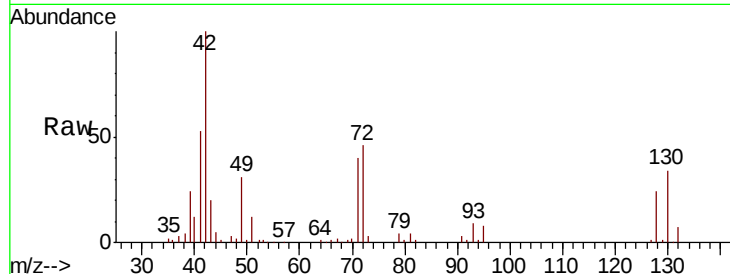
#29
Tetrahydrofuran
Concen: 116.833 ug/l
RT: 7.52 min Scan# 922
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	43.7	35.3	52.9
71	42.5	33.3	49.9

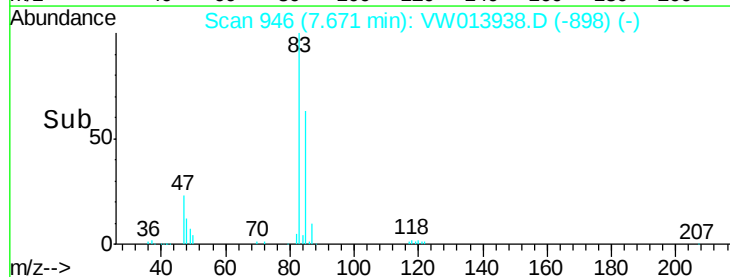
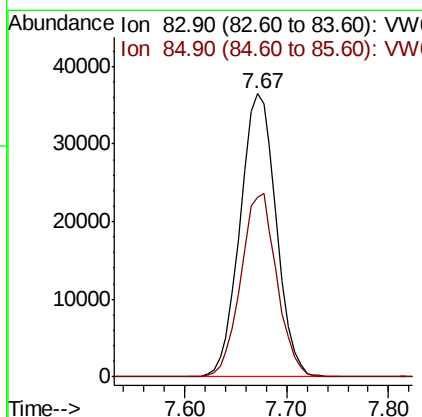
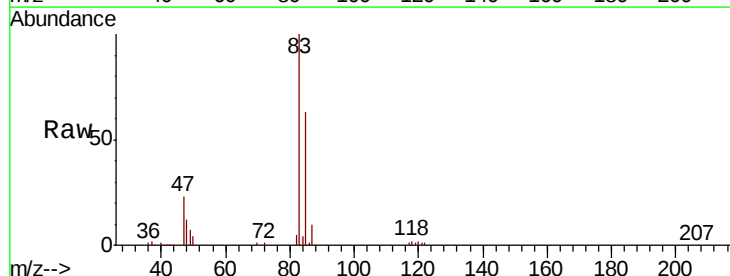
Manual Integrations
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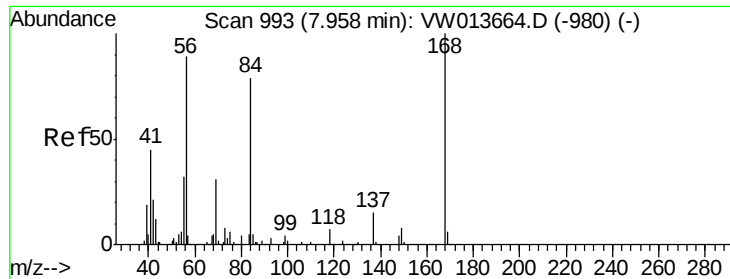
MMDadoda
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#30
Chloroform
Concen: 20.625 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.5	51.4	77.2





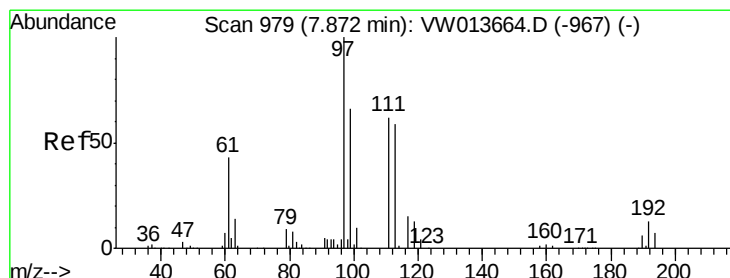
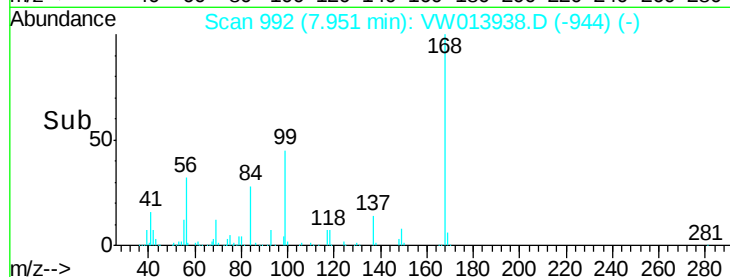
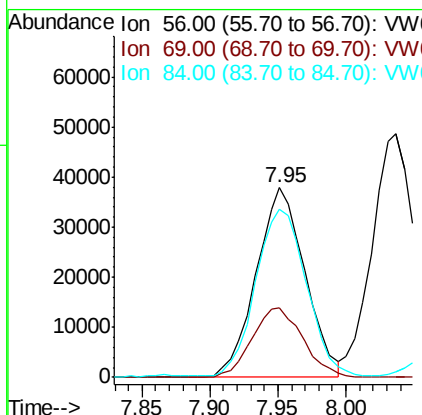
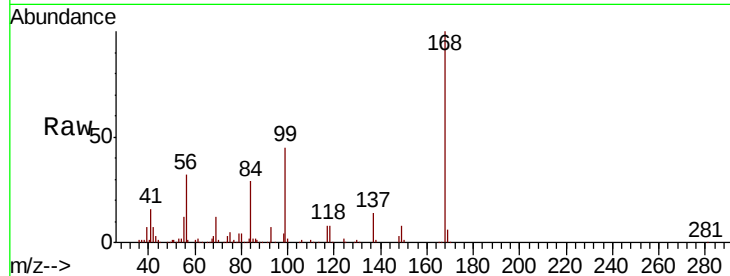
#31
Cyclohexane
Concen: 20.568 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	36.9	27.5	41.3
84	87.7	70.8	106.2

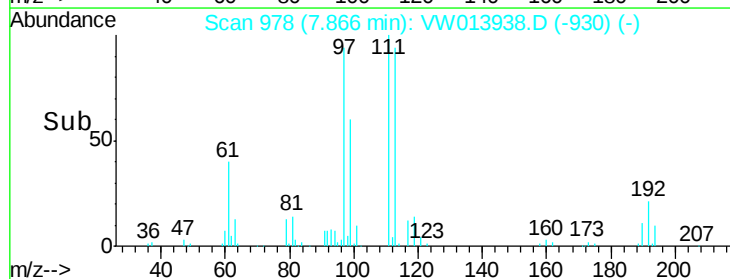
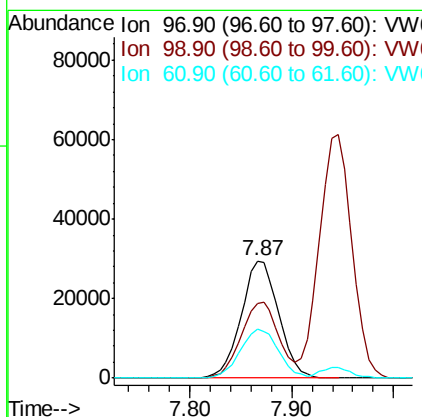
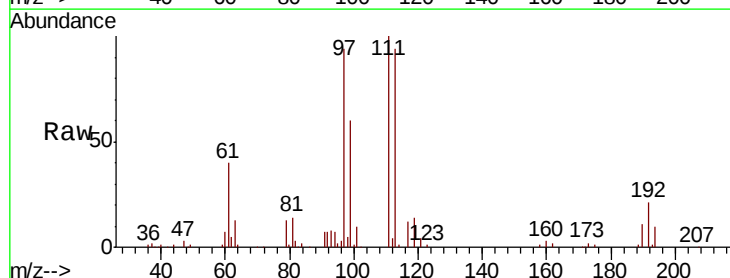
Manual Integrations
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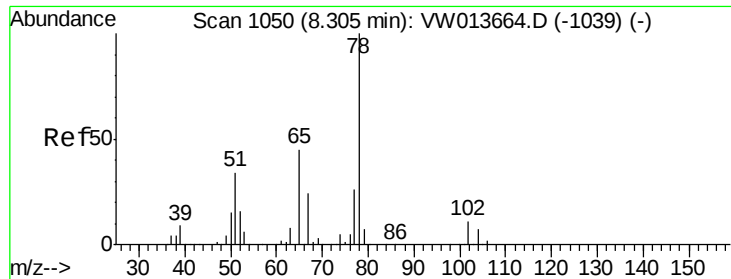
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#32
1,1,1-Trichloroethane
Concen: 21.924 ug/l
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.0	78.0
61	42.9	33.8	50.6





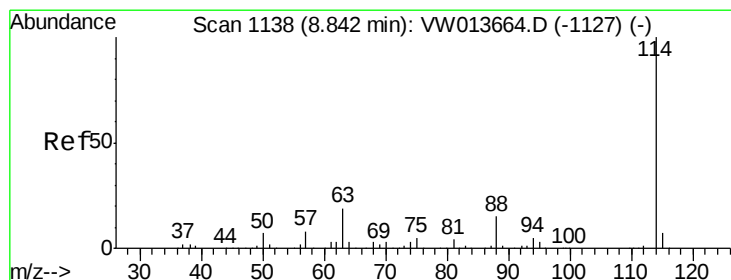
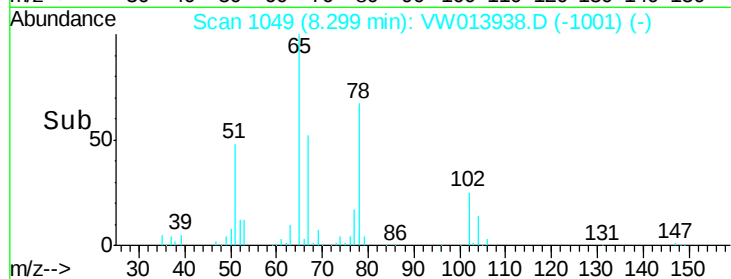
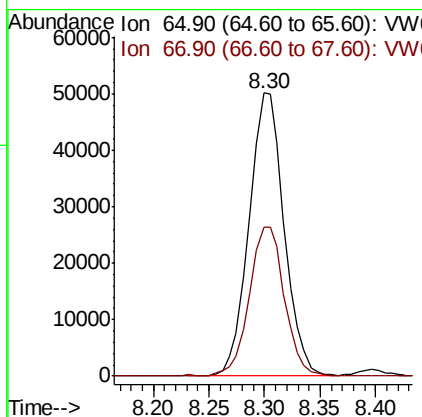
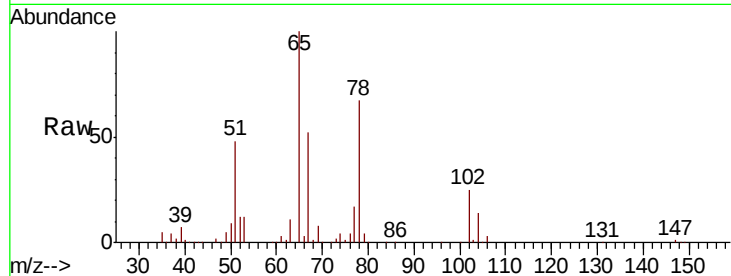
#33
 1,2-Dichloroethane-d4
 Concen: 53.080 ug/l
 RT: 8.30 min Scan# 1049
 Delta R.T. -0.01 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	110145		
67	52.7	0.0	109.4	

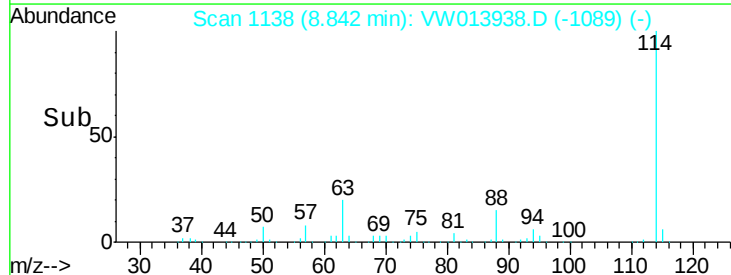
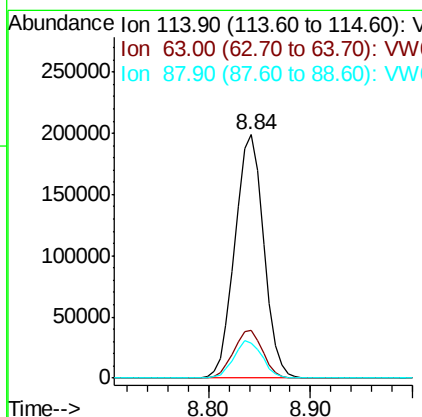
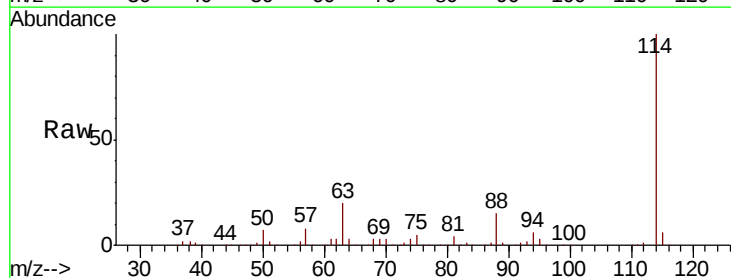
Manual Integrations
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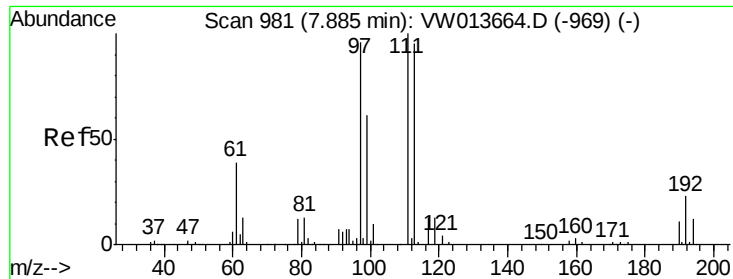
MMDadoda
 11/12/2019 12:58:26 PM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	389494		
63	19.7	0.0	37.6	
88	14.6	0.0	30.2	





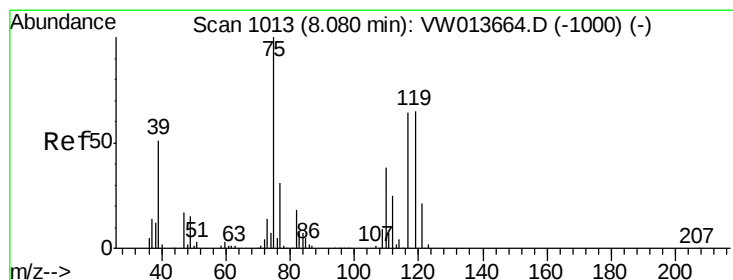
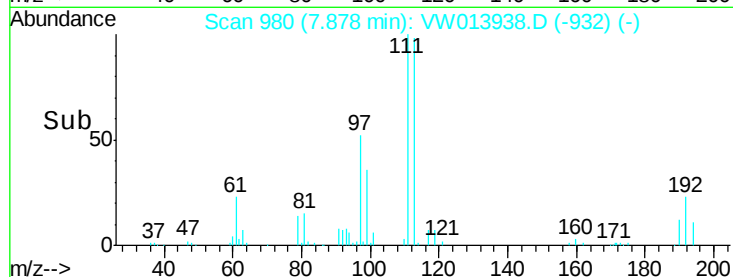
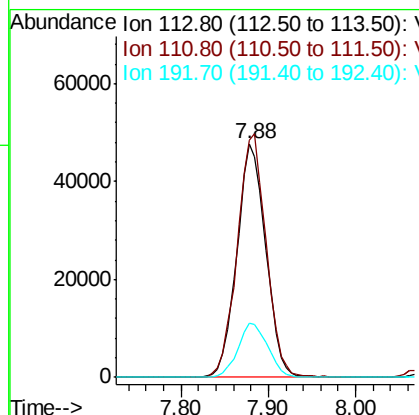
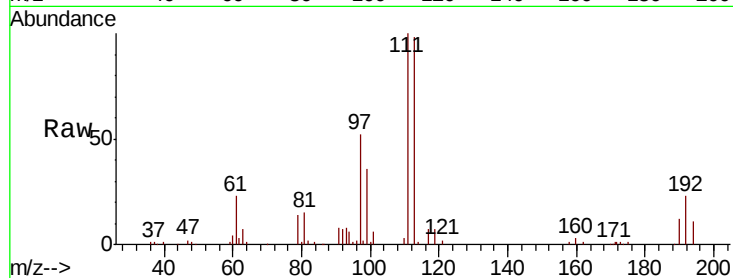
#35
Dibromofluoromethane
Concen: 50.660 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
113	100	109641		
111	104.5	83.0	124.6	
192	23.9	19.4	29.2	

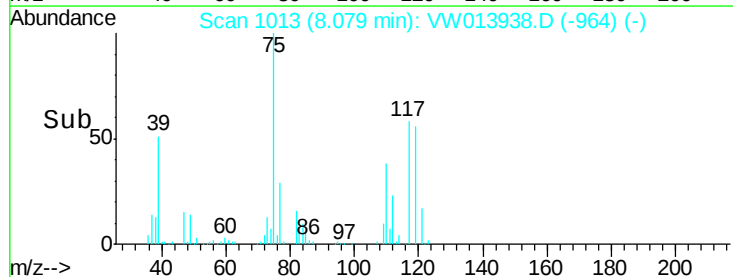
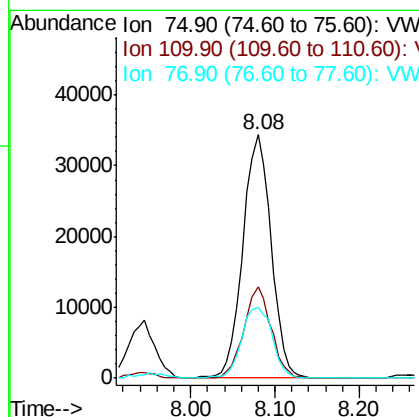
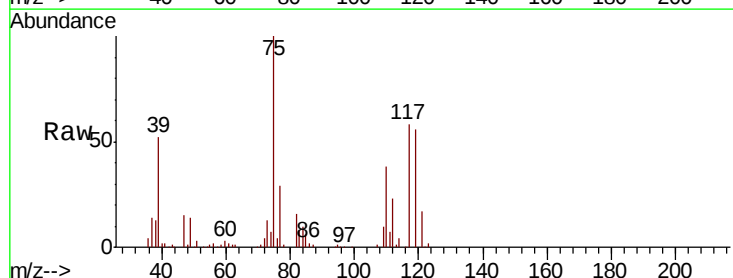
Manual Integrations
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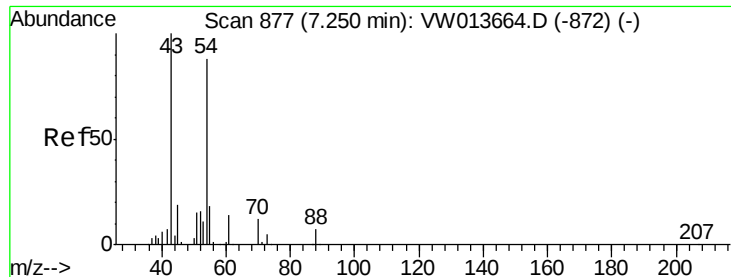
MMDadoda
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#36
1,1-Dichloropropene
Concen: 21.421 ug/l
RT: 8.08 min Scan# 1013
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	77701		
110	36.0	18.7	56.1	
77	31.6	25.4	38.0	





#37

Ethyl Acetate

Concen: 21.754 ug/l

RT: 7.25 min Scan# 877

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

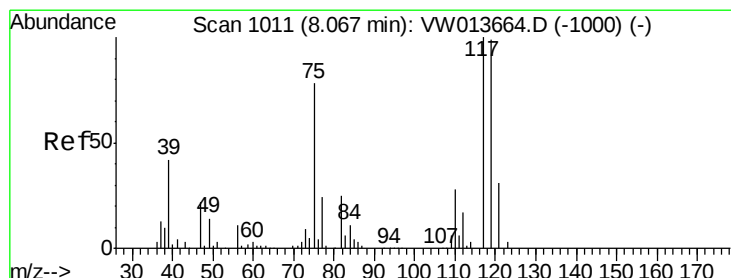
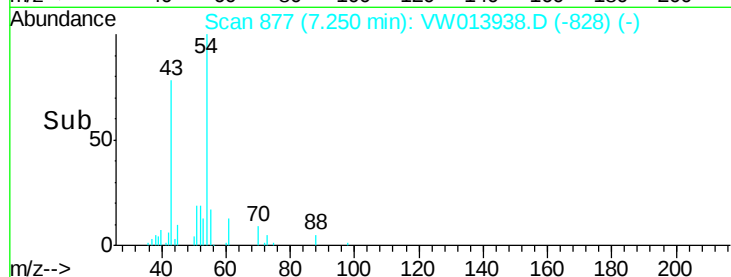
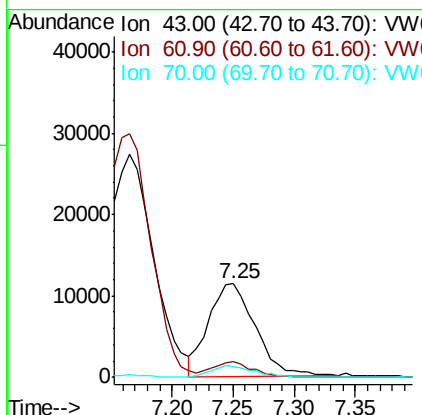
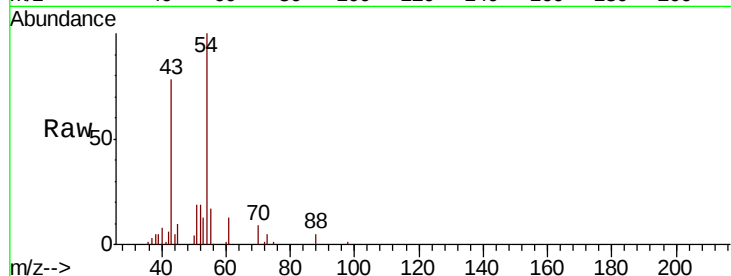
ClientSampleId :

VW1108SBS01

Tot Ion:	43	Resp:	30207
Ion	Ratio	Lower	Upper
43	100		
61	14.9	11.7	17.5
70	12.1	8.8	13.2

Manual Integrations
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#38

Carbon Tetrachloride

Concen: 21.984 ug/l

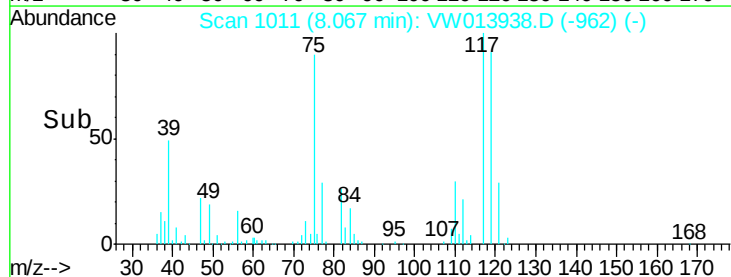
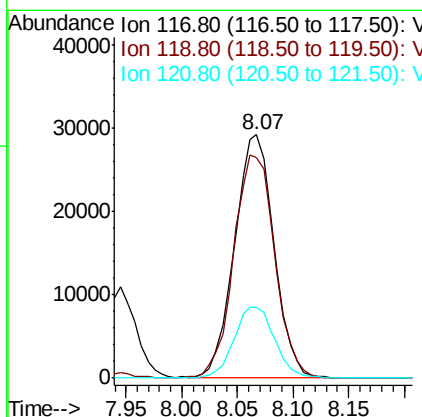
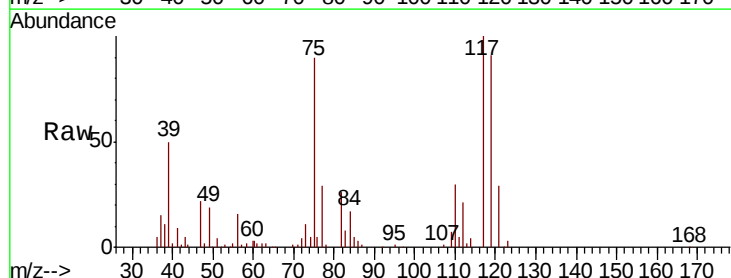
RT: 8.07 min Scan# 1011

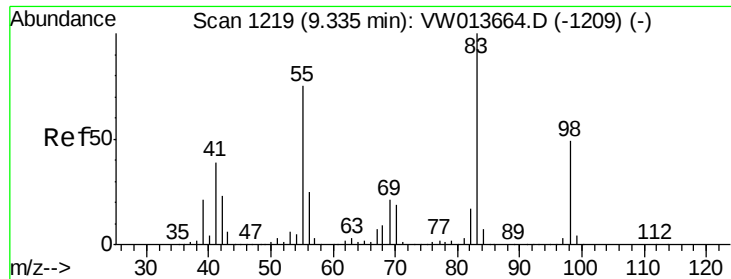
Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion:	117	Resp:	71809
Ion	Ratio	Lower	Upper
117	100		
119	90.8	79.0	118.4
121	29.0	24.5	36.7





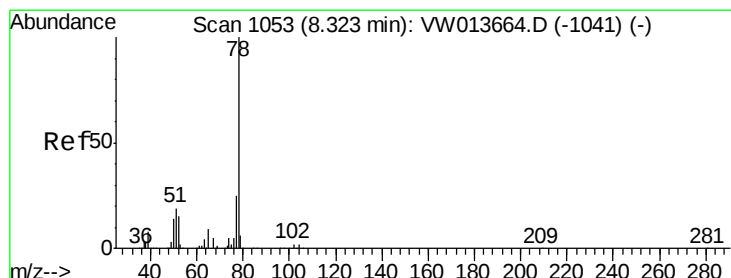
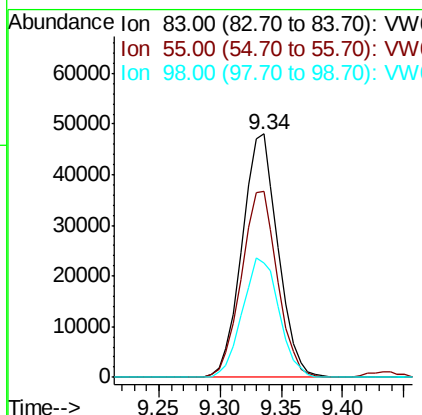
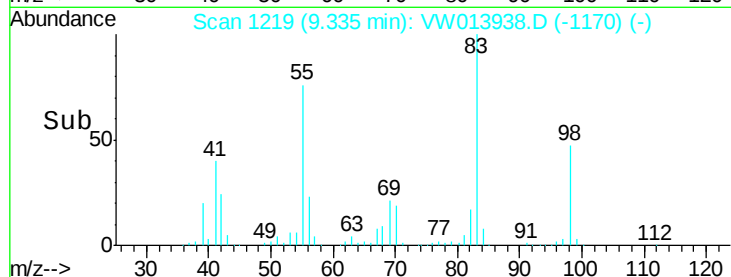
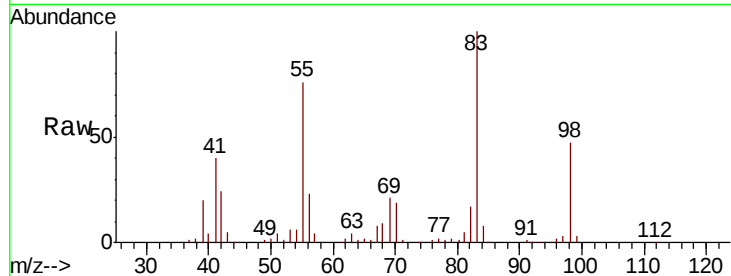
#39
Methvlcvclohexane
Concen: 20.881 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	83.00	Resp	97814
Ion	Ratio	Lower	Upper
83	100		
55	76.2	59.9	89.9
98	46.9	39.4	59.2

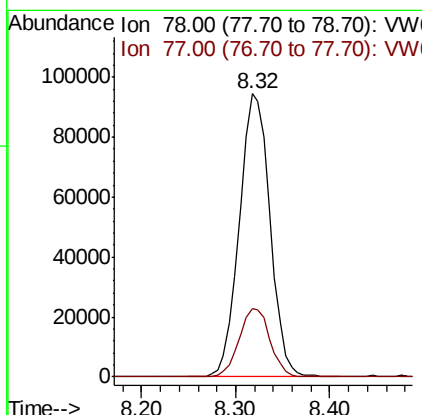
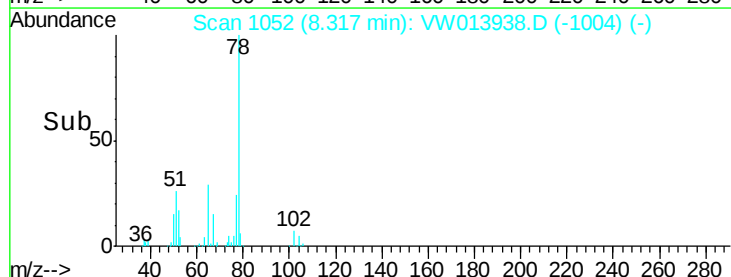
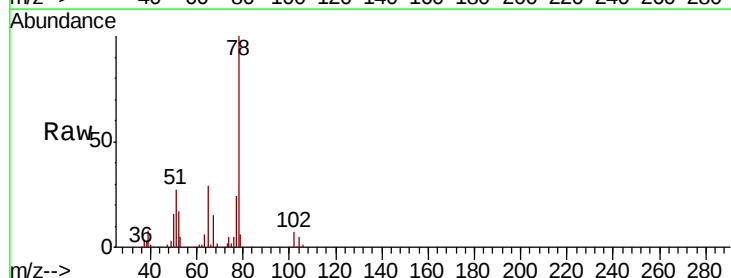
Manual Integrations
APPROVED

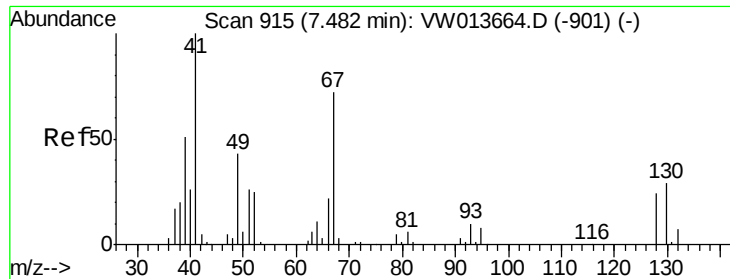
MMDadoda
11/12/2019 12:58:26 PM



#40
Benzene
Concen: 20.994 ug/l
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	78.00	Resp	215517
Ion	Ratio	Lower	Upper
78	100		
77	24.2	19.6	29.4





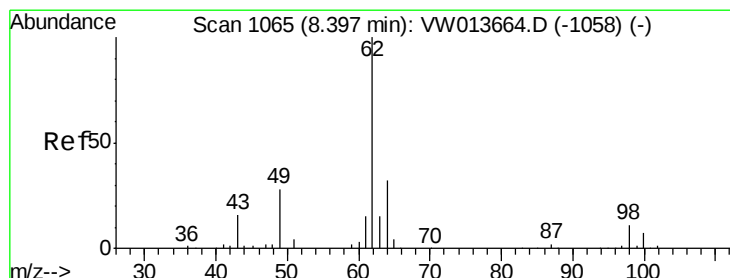
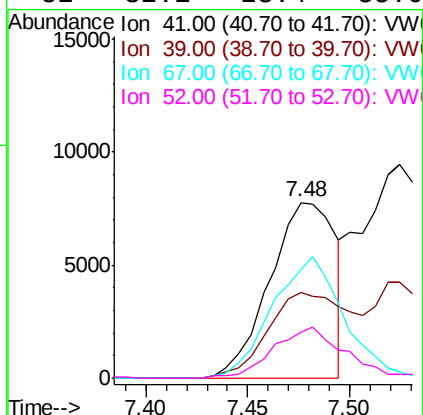
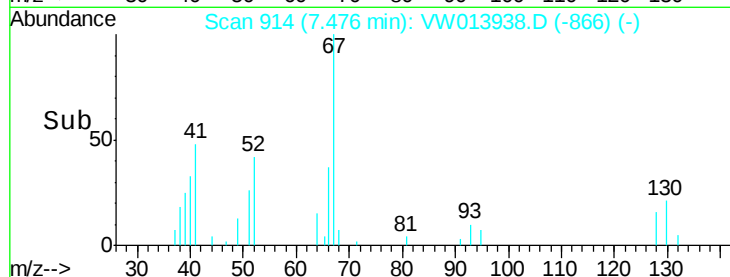
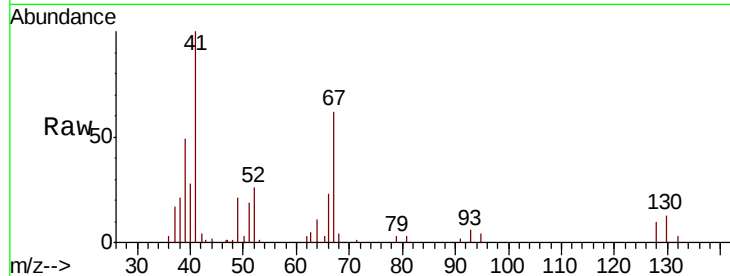
#41
Methacrylonitrile
Concen: 20.125 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	62.3	44.8	67.2
67	75.8	59.3	88.9
52	32.1	23.4	35.0

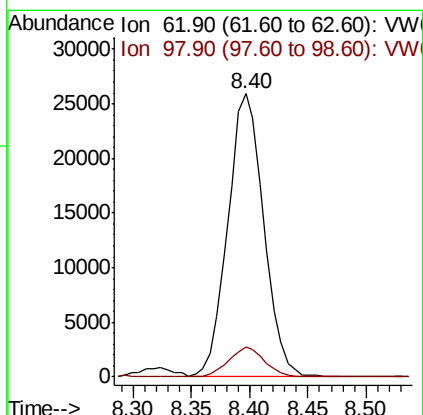
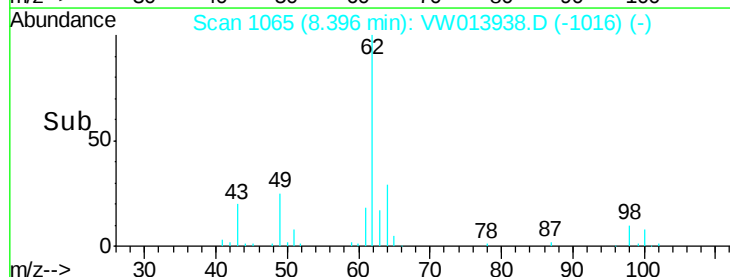
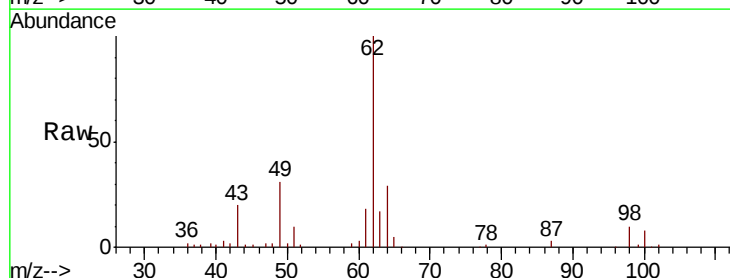
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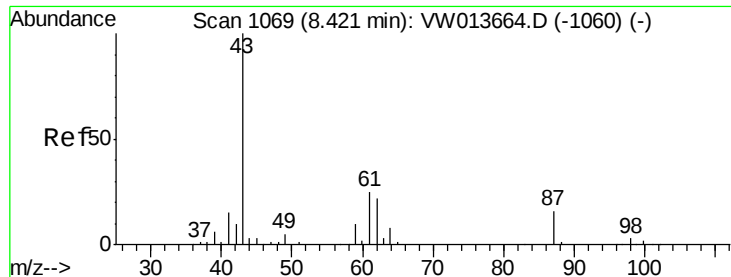
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.475 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
62	100		
98	10.4	0.0	22.4





#43

Isopropyl Acetate

Concen: 21.527 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

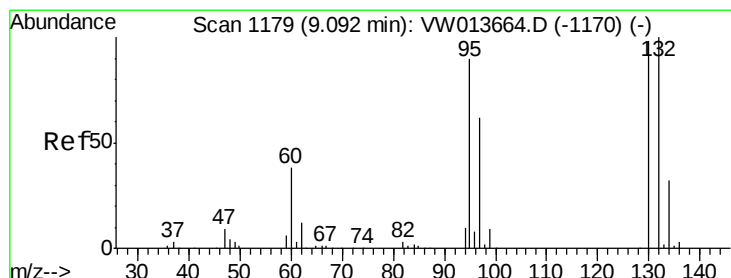
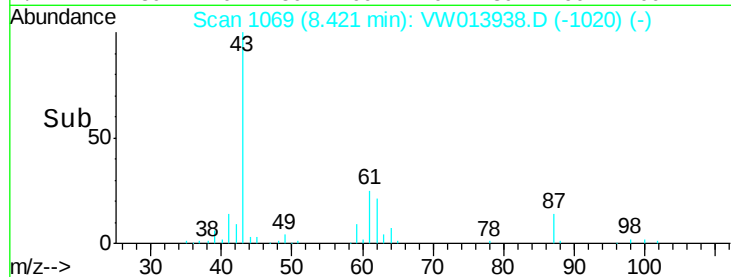
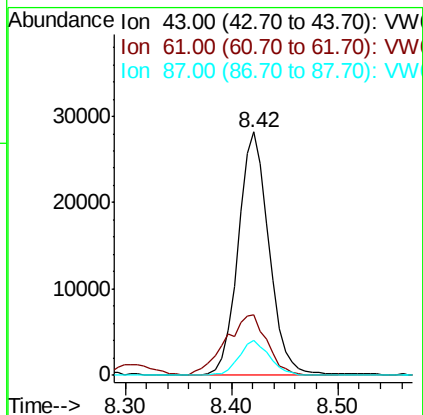
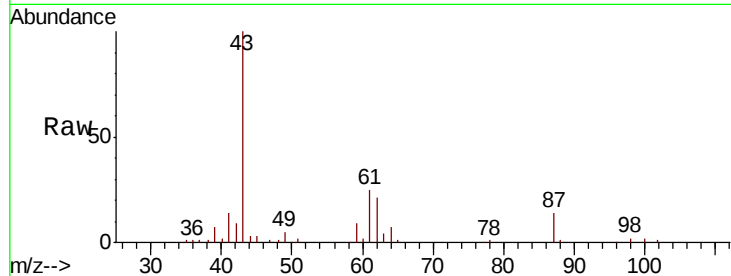
ClientSampleId :

VW1108SBS01

Tot Ion:	43	Resp:	57218
Ion	Ratio	Lower	Upper
43	100		
61	33.2	26.1	39.1
87	14.4	11.4	17.0

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#44

Trichloroethene

Concen: 21.268 ug/l

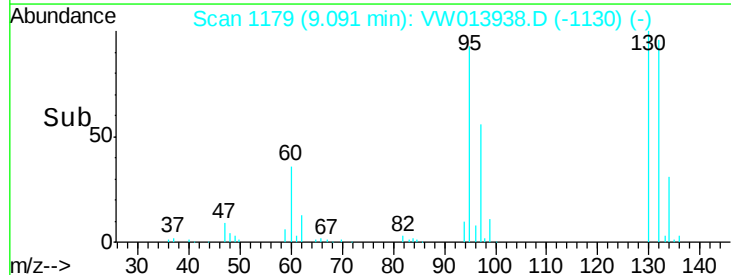
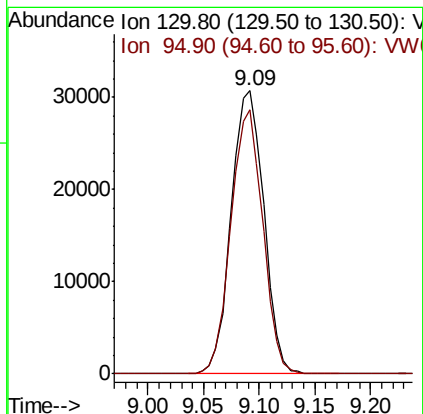
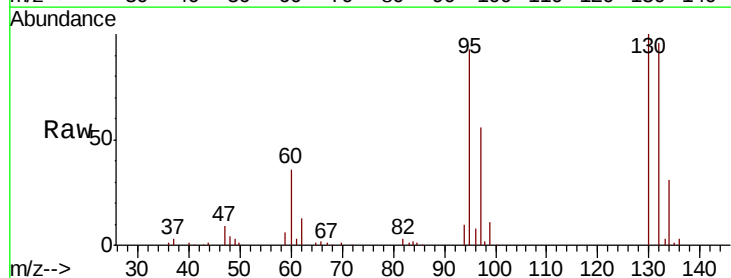
RT: 9.09 min Scan# 1179

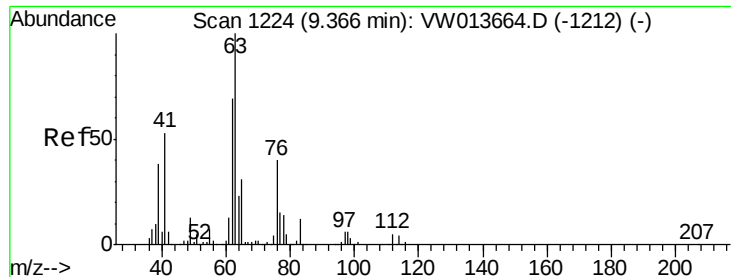
Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion:	130	Resp:	62539
Ion	Ratio	Lower	Upper
130	100		
95	93.5	0.0	184.6





#45

1,2-Dichloropropane

Concen: 20.045 ug/l

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 63 Resp: 49151

Ion Ratio Lower Upper

63 100

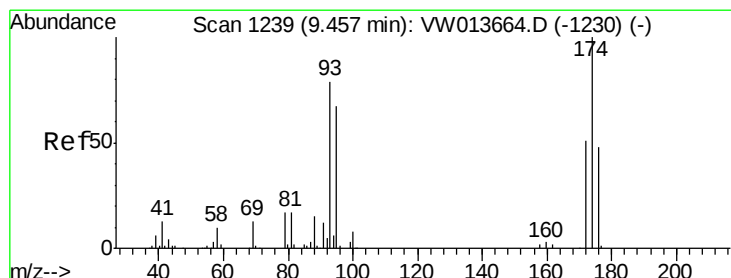
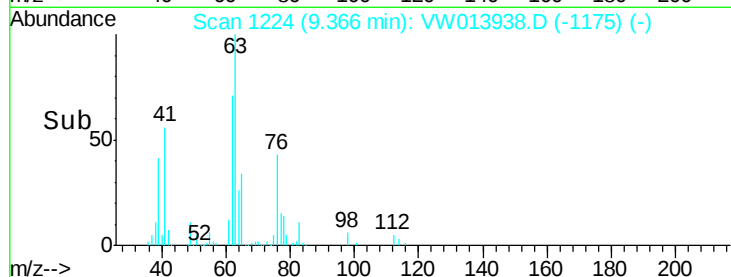
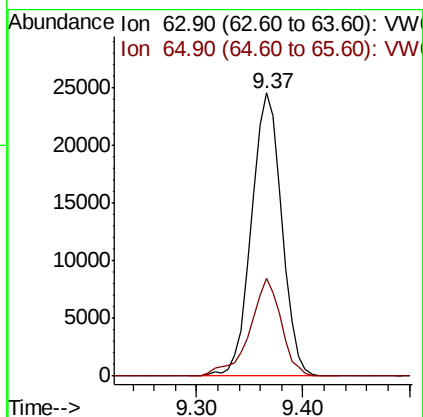
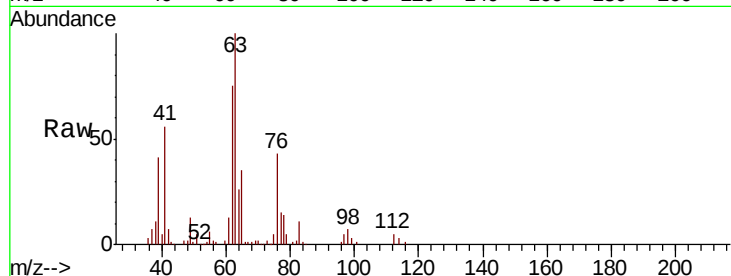
65 34.6 25.2 37.8

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#46

Dibromomethane

Concen: 21.492 ug/l

RT: 9.46 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

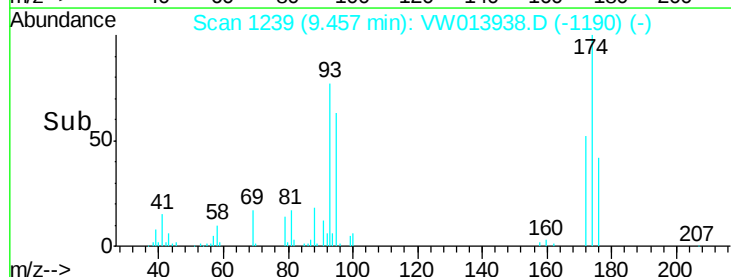
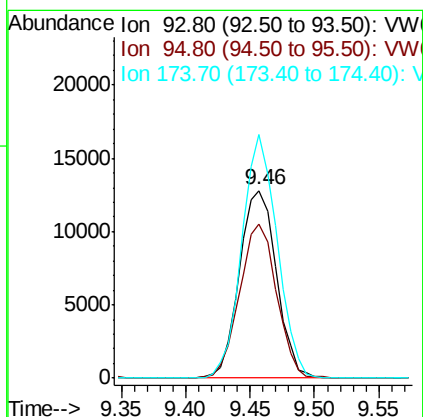
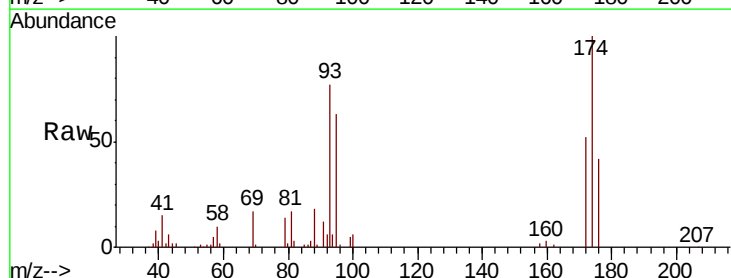
Tgt Ion: 93 Resp: 25577

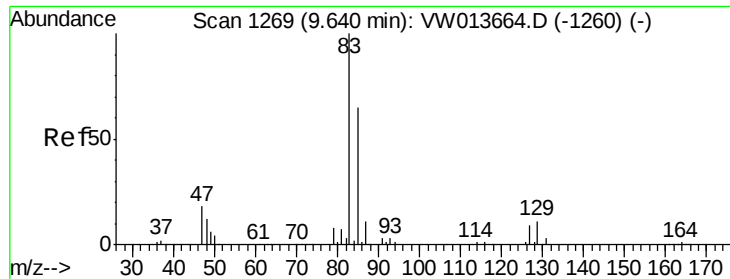
Ion Ratio Lower Upper

93 100

95 81.8 66.5 99.7

174 122.8 99.6 149.4





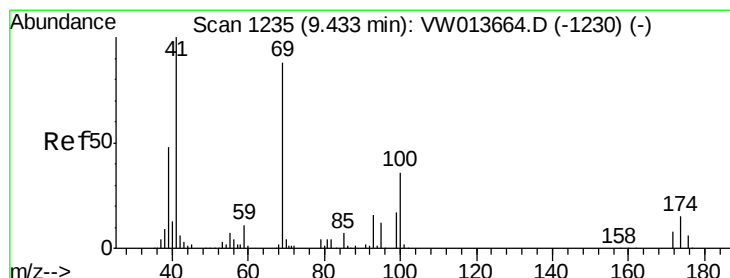
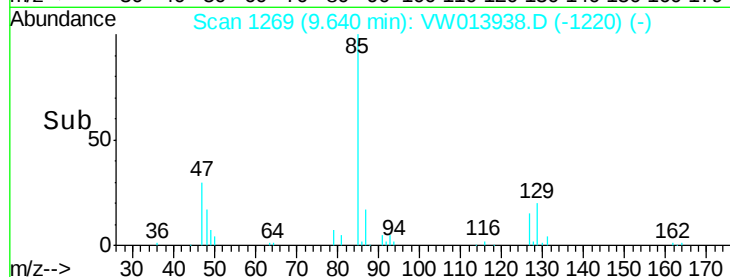
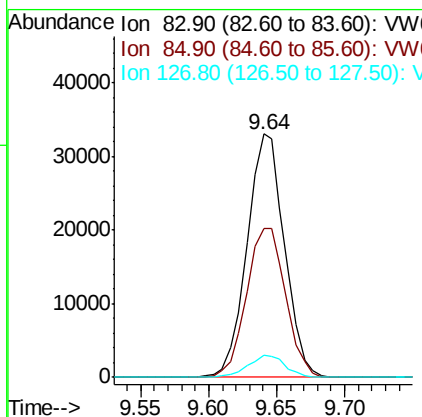
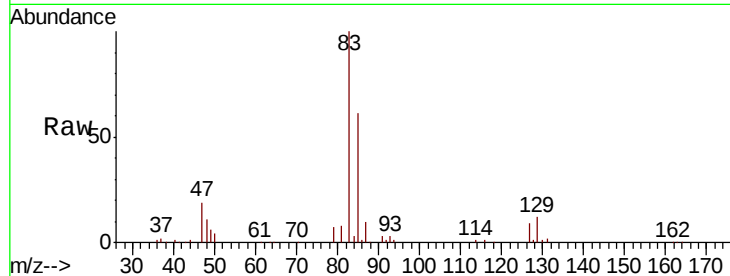
#47
Bromodichloromethane
Concen: 20.647 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	83	Resp	63577
Ion Ratio	100	Lower	Upper
83	100		
85	61.3	51.8	77.6
127	9.2	7.3	10.9

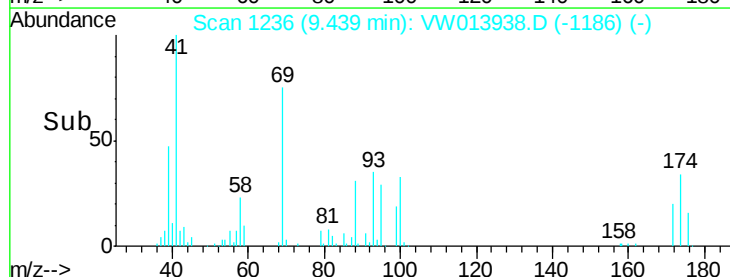
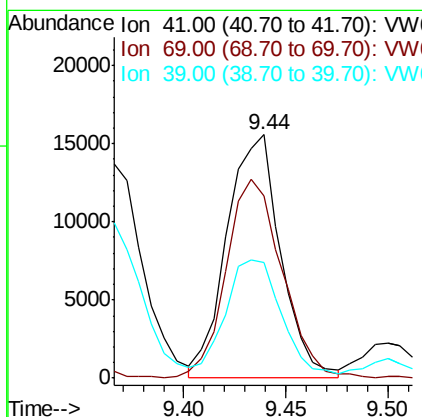
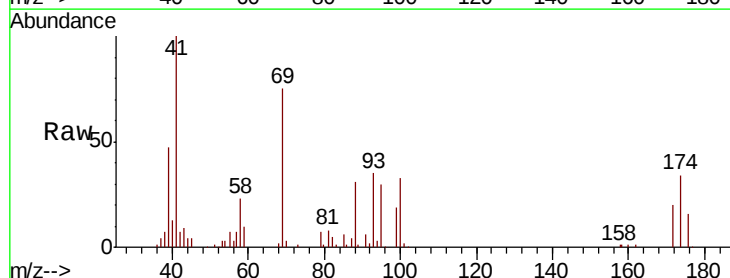
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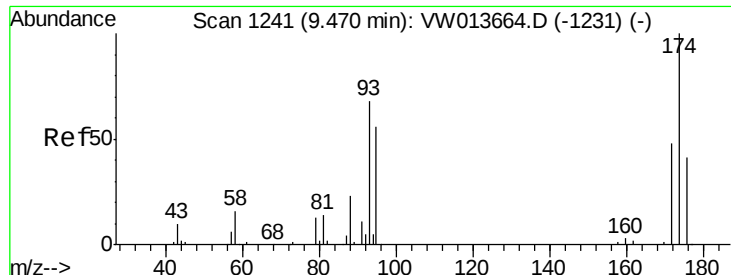
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#48
Methyl methacrylate
Concen: 21.646 ug/l
RT: 9.44 min Scan# 1236
Delta R.T. 0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	41	Resp	28530
Ion Ratio	100	Lower	Upper
41	100		
69	85.1	67.6	101.4
39	47.3	38.6	58.0





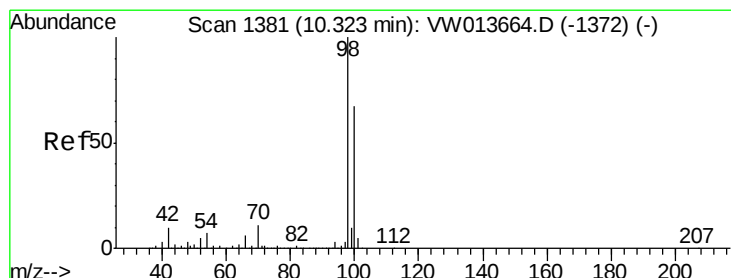
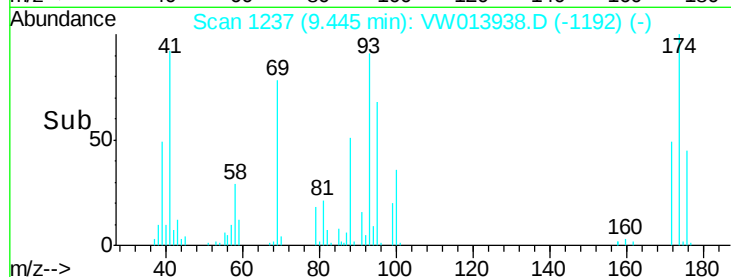
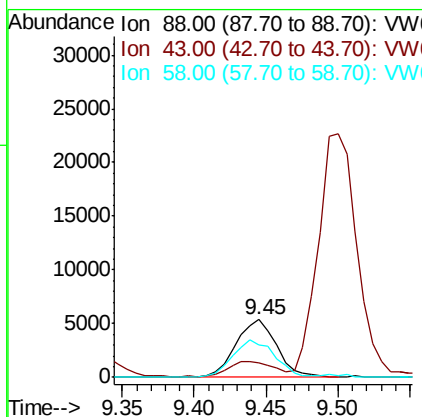
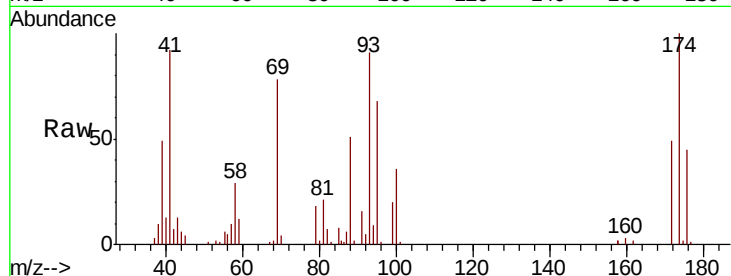
#49
1,4-Dioxane
Concen: 601.274 ug/l
RT: 9.45 min Scan# 1237
Delta R.T. -0.02 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	88	Resp	10574
Ion	Ratio	Lower	Upper
88	100		
43	32.4	0.0	0.0#
58	67.7	58.9	88.3

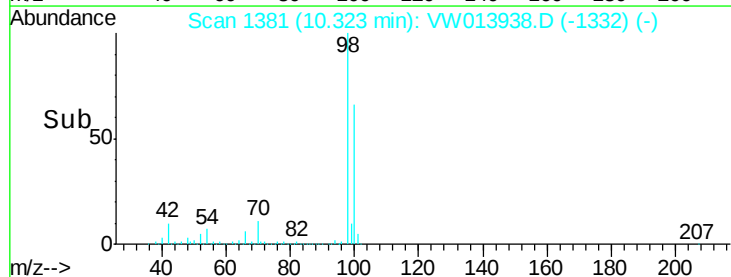
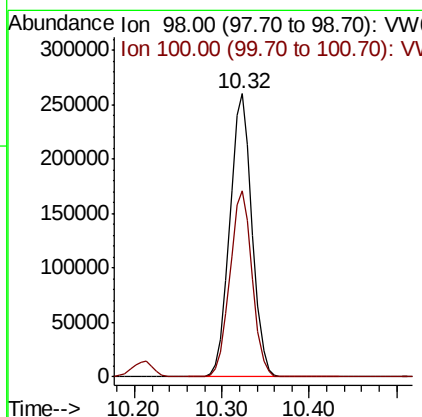
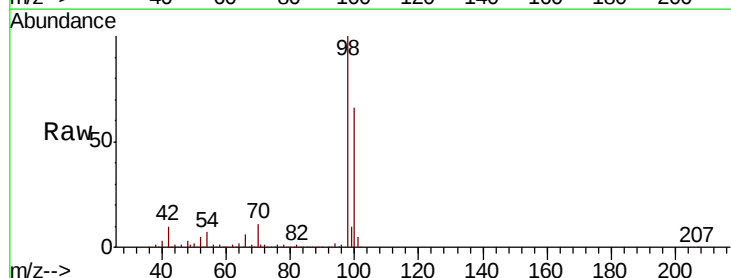
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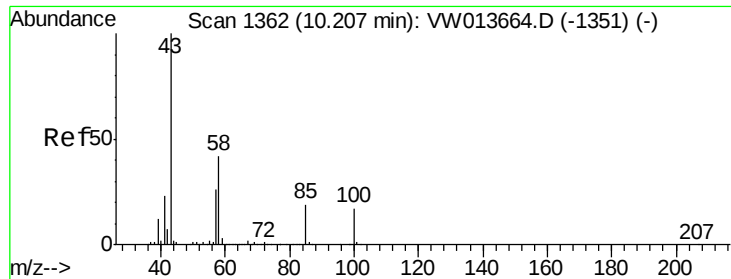
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#50
Toluene-d8
Concen: 51.931 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	98	Resp	457968
Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.4	80.0





#51

4-Methyl-2-Pentanone

Concen: 112.361 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 43 Resp: 148401

Ion Ratio Lower Upper

43 100

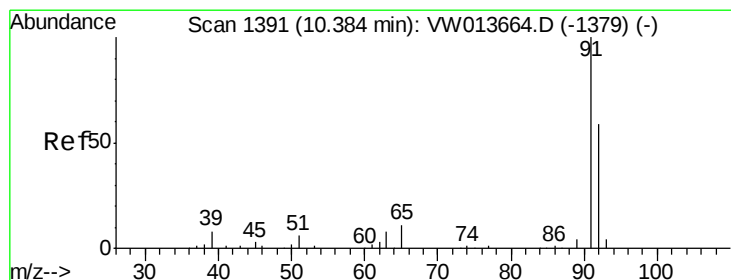
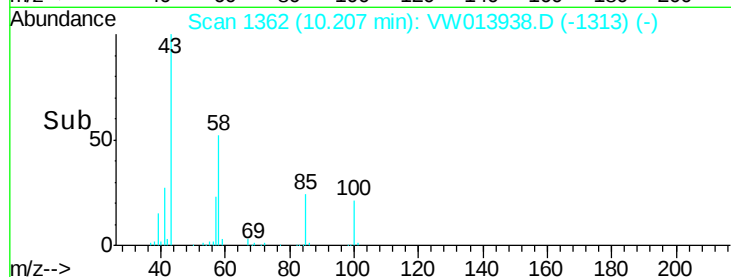
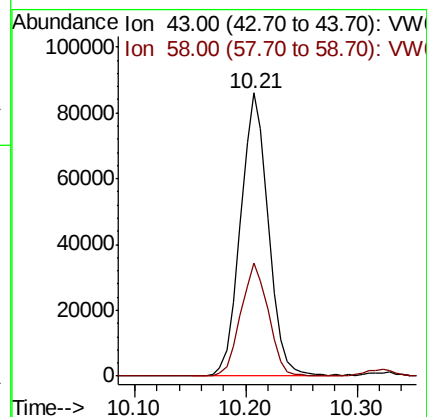
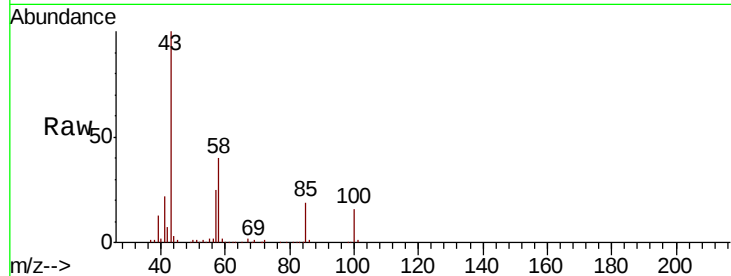
58 40.0 32.6 49.0

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#52

Toluene

Concen: 20.964 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. -0.00 min

Lab File: VW013938.D

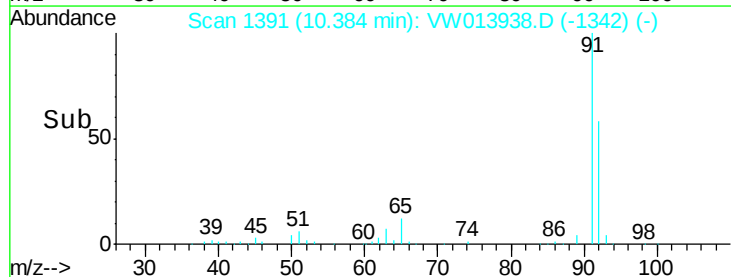
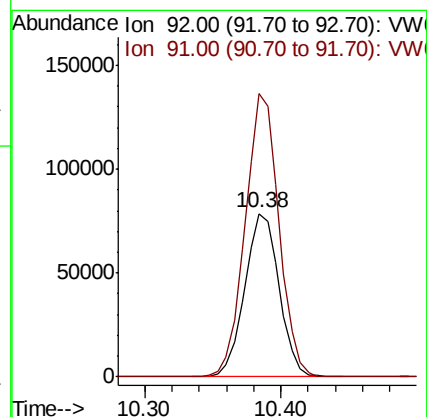
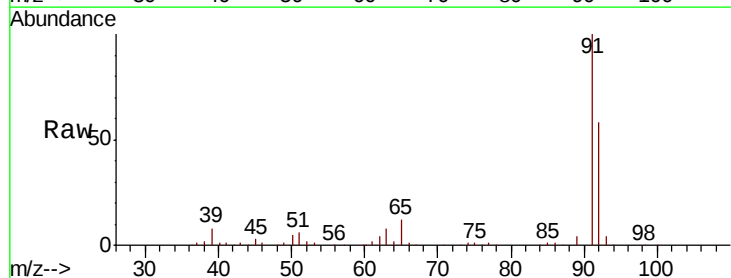
Acq: 08 Nov 2019 12:31

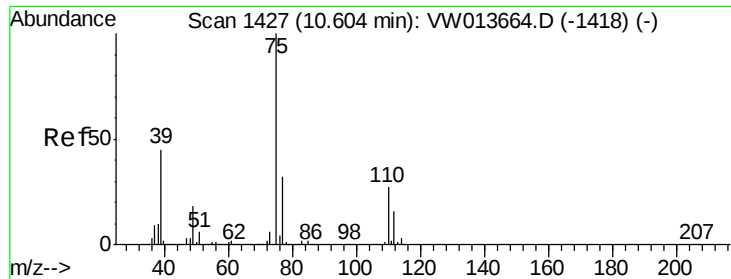
Tgt Ion: 92 Resp: 138816

Ion Ratio Lower Upper

92 100

91 170.4 134.5 201.7





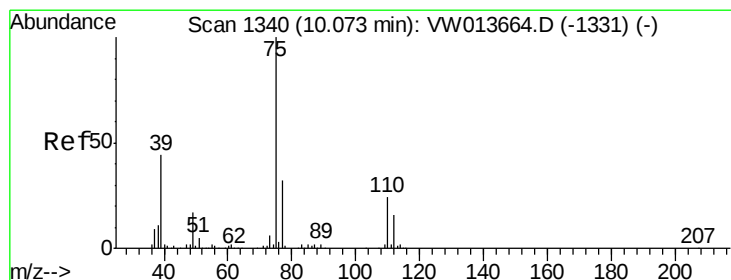
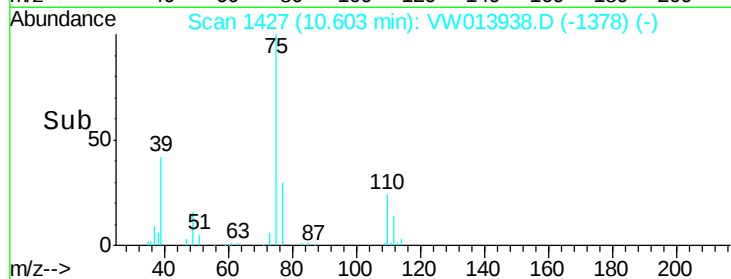
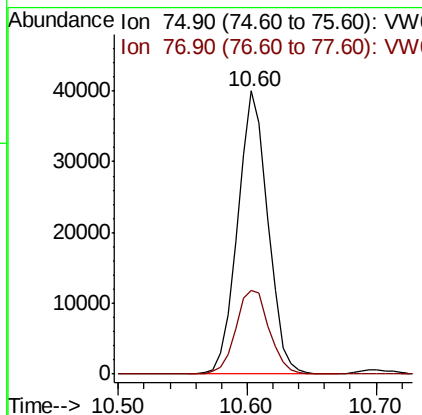
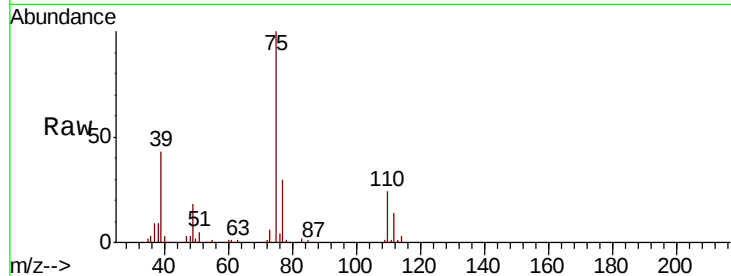
#53
 t-1,3-Dichloropropene
 Concen: 20.813 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion: 75 Resp: 64879
 Ion Ratio Lower Upper
 75 100
 77 29.5 25.5 38.3

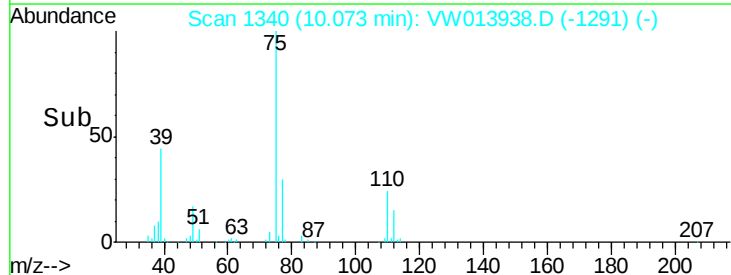
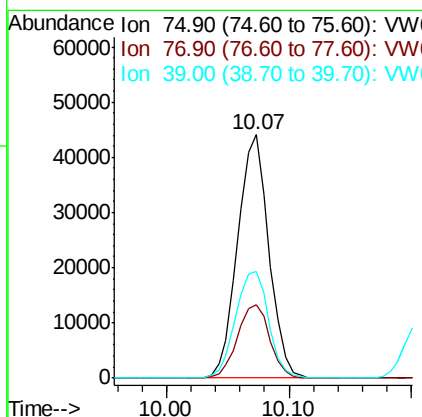
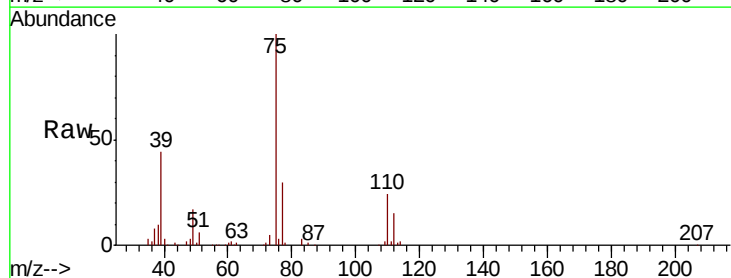
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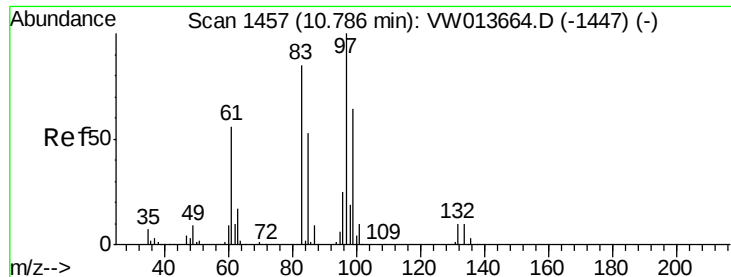
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#54
 cis-1,3-Dichloropropene
 Concen: 20.271 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Tgt Ion: 75 Resp: 77962
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.8 38.6
 39 43.8 35.3 52.9





#55

1,1,2-Trichloroethane

Concen: 21.177 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 97 Resp: 37560

Ion Ratio Lower Upper

97 100

83 84.4 67.8 101.8

85 54.8 42.1 63.1

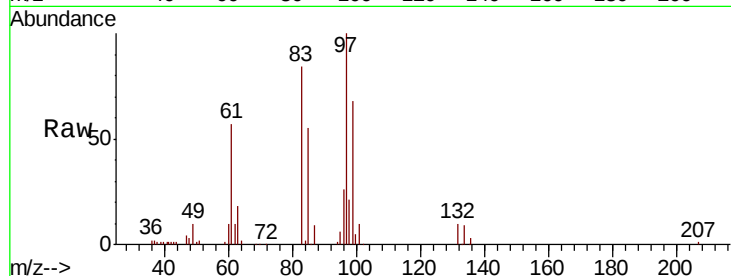
99 68.4 51.4 77.0

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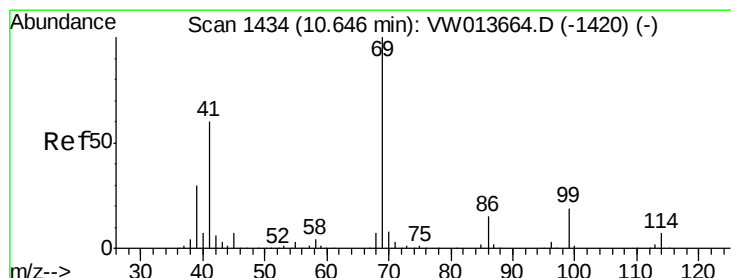
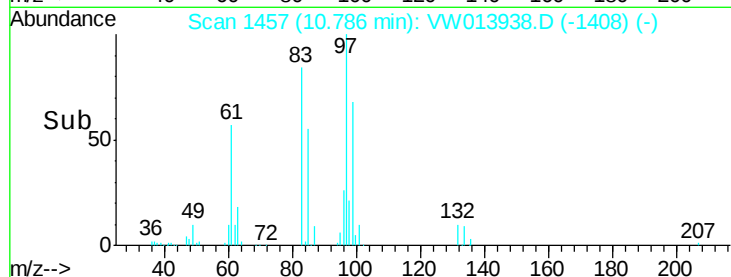
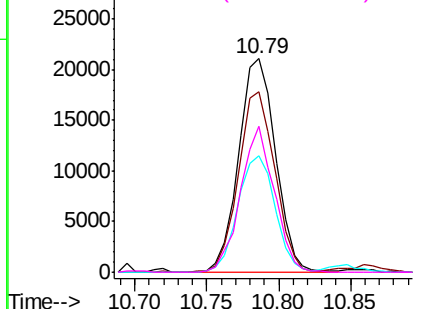


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 21.324 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion: 69 Resp: 47320

Ion Ratio Lower Upper

69 100

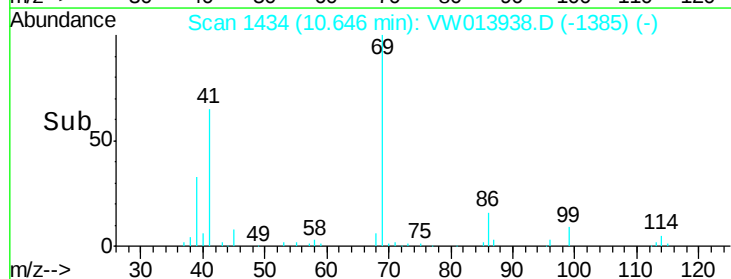
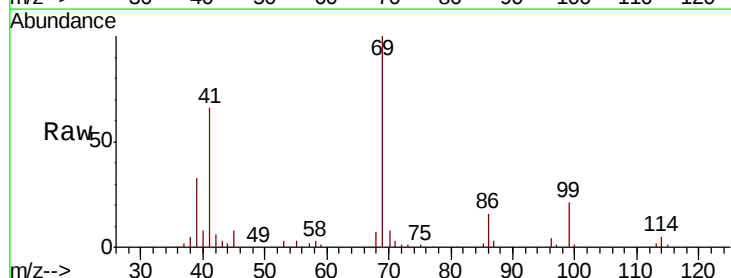
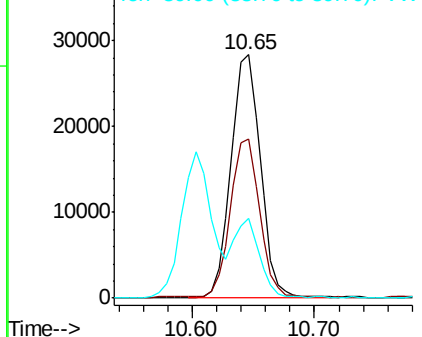
41 63.8 51.6 77.4

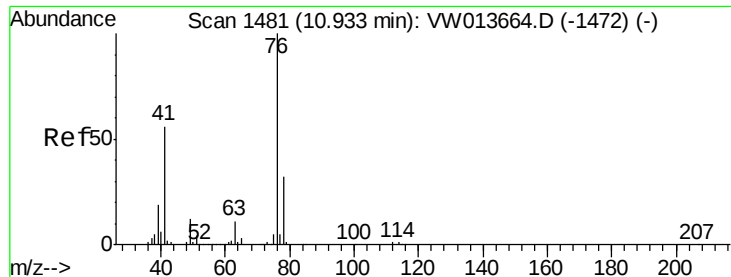
39 28.0 22.4 33.6

Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW





#57

1,3-Dichloropropane

Concen: 21.473 ug/l

RT: 10.93 min Scan# 1481

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 76 Resp: 65356

Ion Ratio Lower Upper

76 100

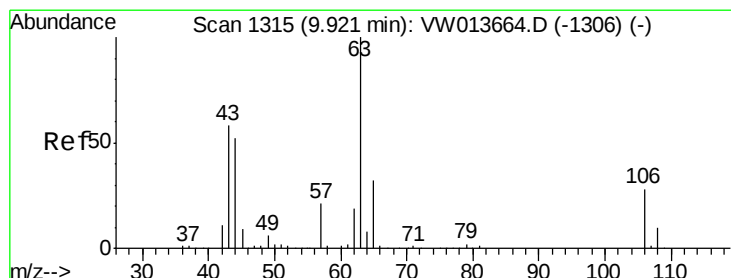
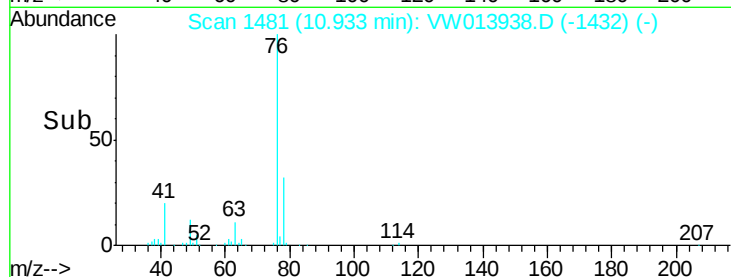
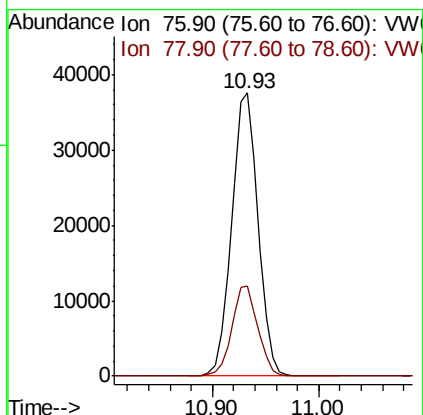
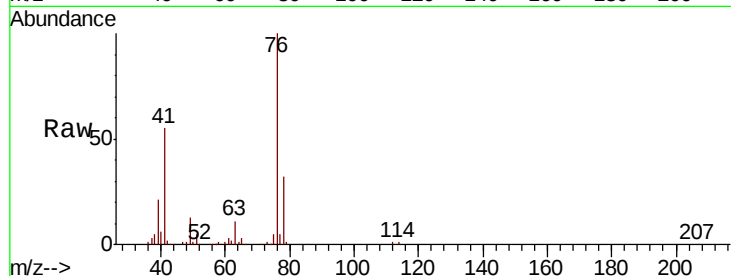
78 31.5 26.0 39.0

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#58

2-Chloroethyl Vinyl ether

Concen: 100.060 ug/l

RT: 9.92 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VW013938.D

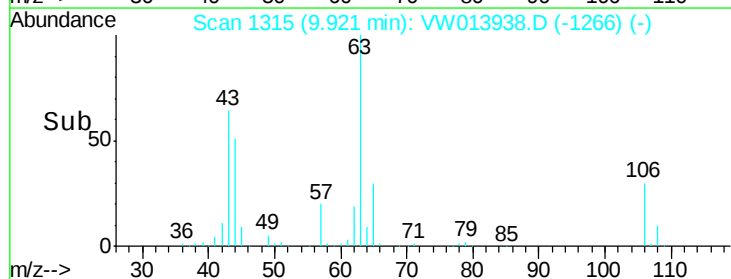
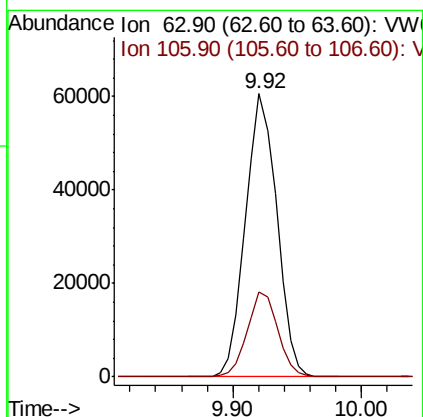
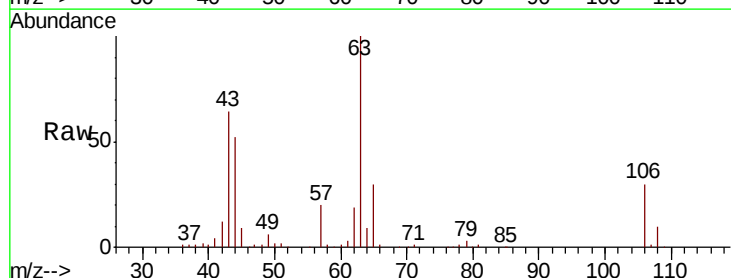
Acq: 08 Nov 2019 12:31

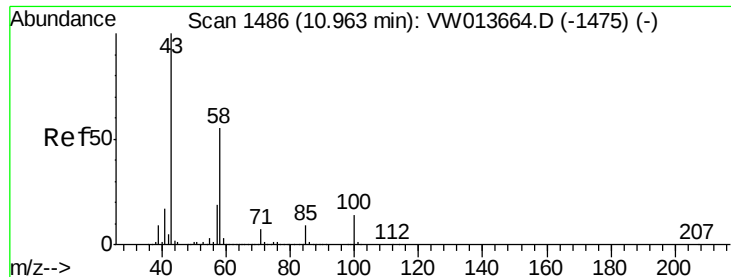
Tgt Ion: 63 Resp: 102190

Ion Ratio Lower Upper

63 100

106 29.2 23.8 35.8





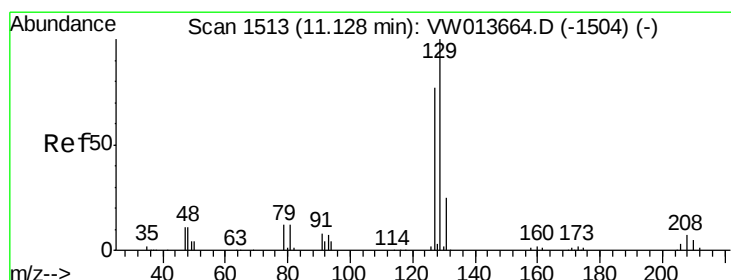
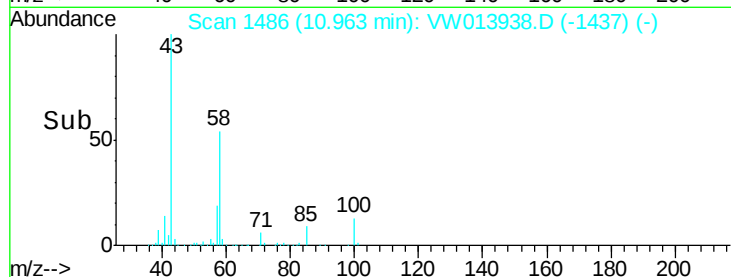
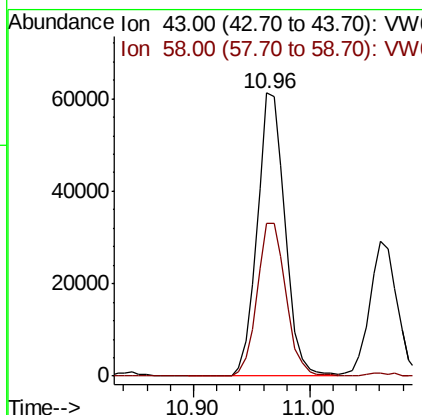
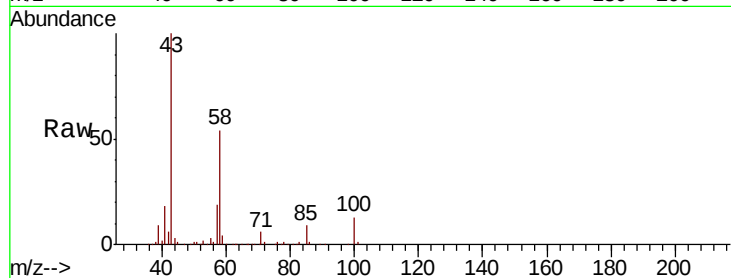
#59
2-Hexanone
Concen: 112.066 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion: 43 Resp: 102039
Ion Ratio Lower Upper
43 100
58 55.9 27.9 83.7

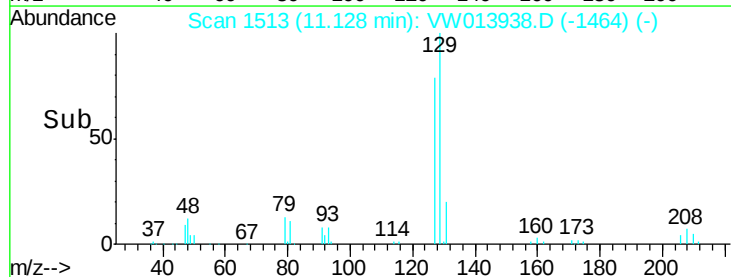
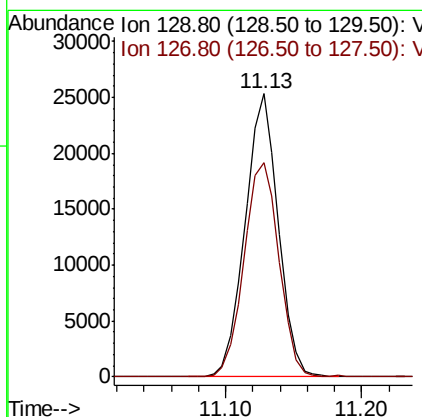
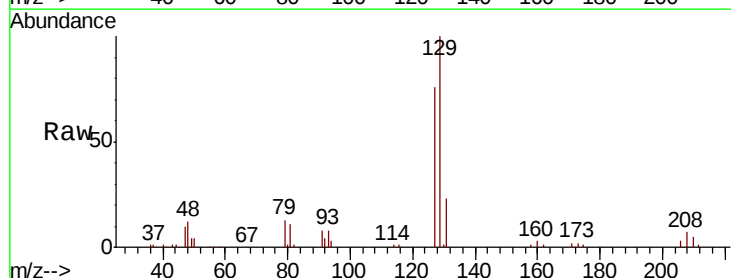
Manual Integrations
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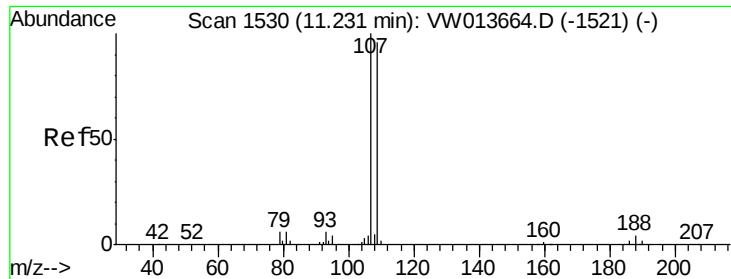
MMDadoda
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#60
Dibromochloromethane
Concen: 20.529 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion: 129 Resp: 43232
Ion Ratio Lower Upper
129 100
127 79.6 38.9 116.7





#61

1,2-Dibromoethane

Concen: 21.643 ug/l

RT: 11.23 min Scan# 1530

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 107 Resp: 36316

Ion Ratio Lower Upper

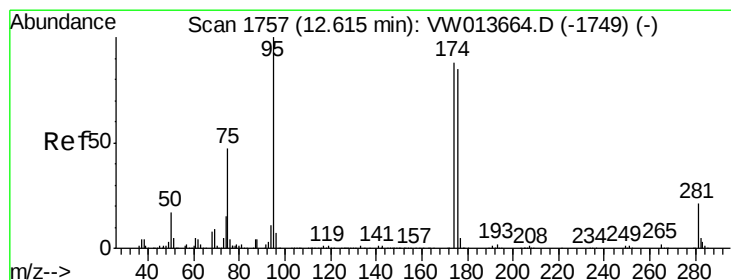
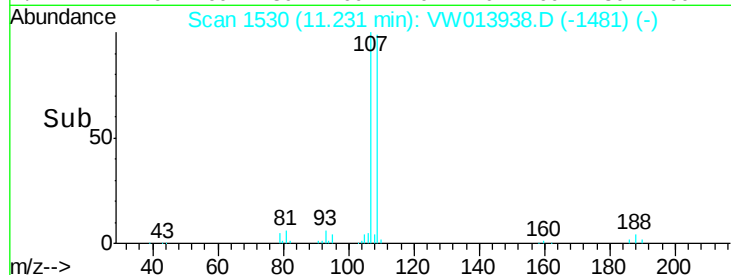
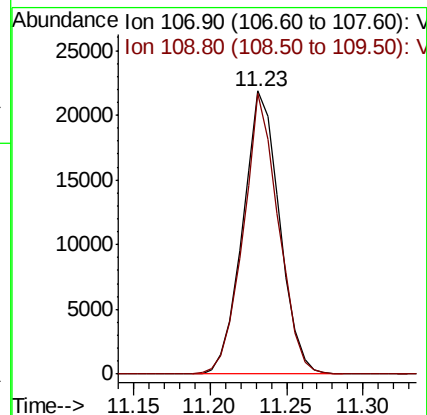
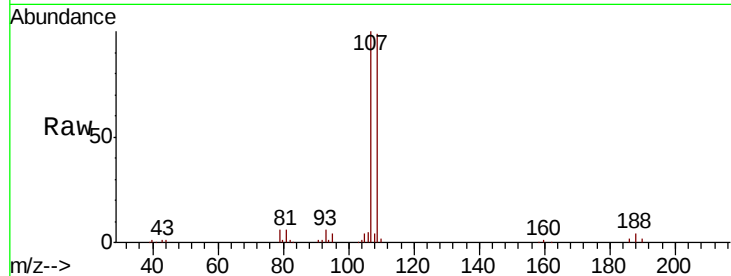
107 100

109 95.0 75.7 113.5

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 50.564 ug/l

RT: 12.62 min Scan# 1757

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

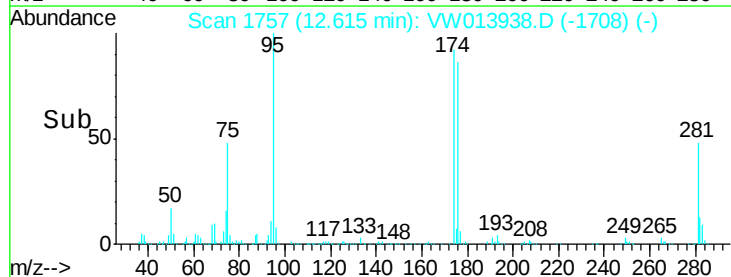
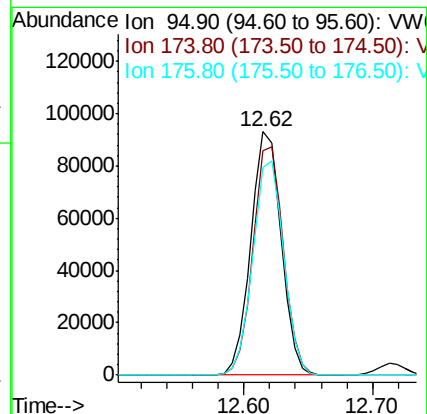
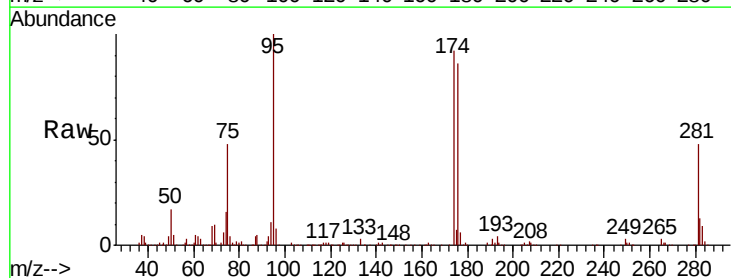
Tgt Ion: 95 Resp: 150987

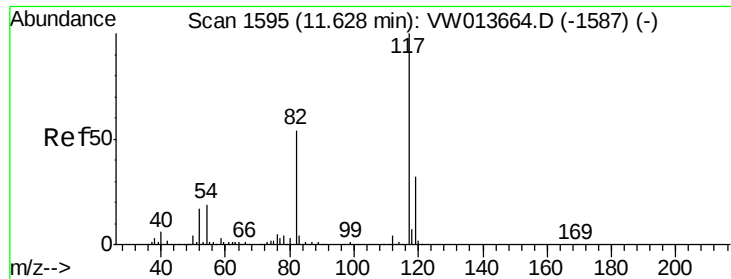
Ion Ratio Lower Upper

95 100

174 93.9 0.0 183.6

176 89.5 0.0 178.0





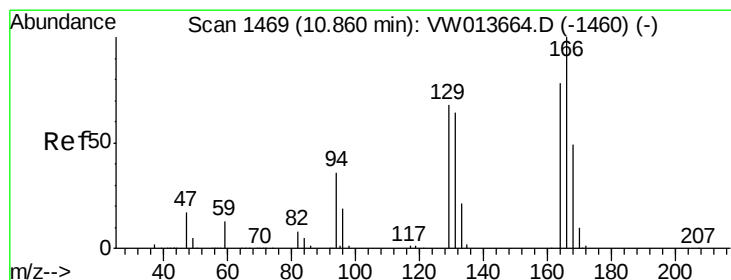
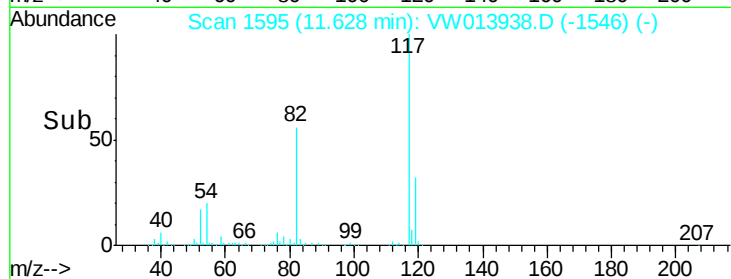
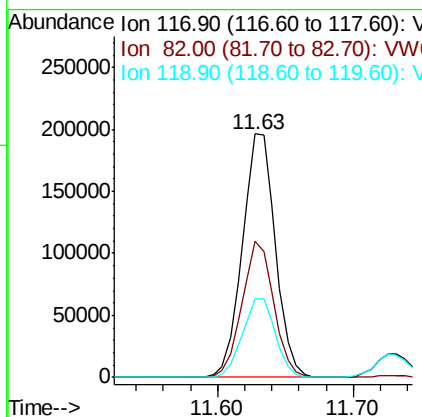
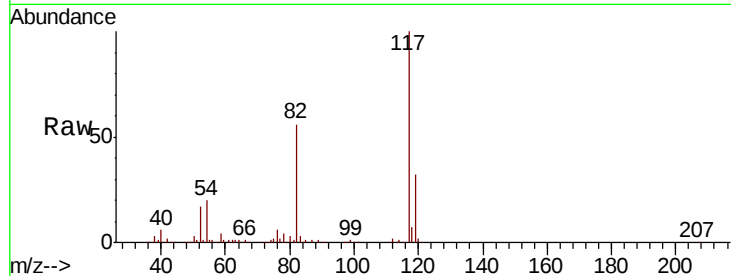
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	332960		
82	55.9		43.6	65.4
119	32.4		25.4	38.2

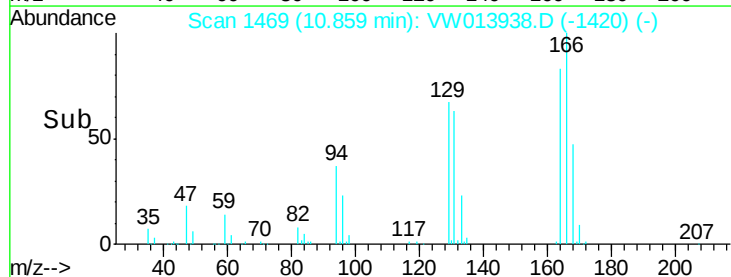
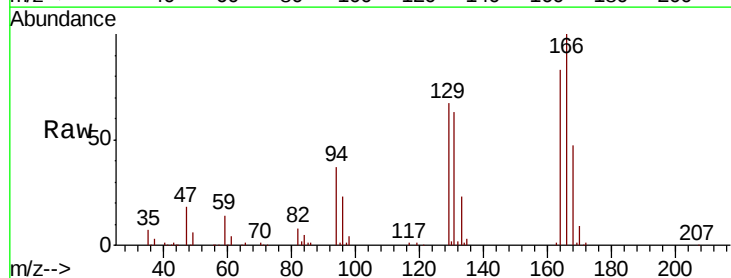
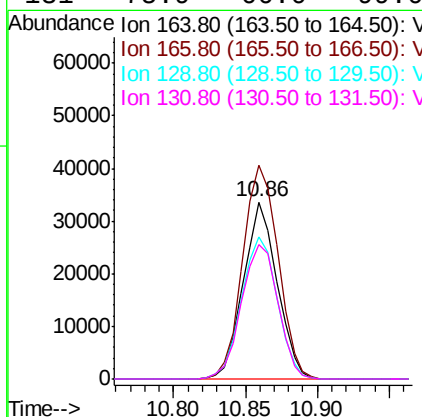
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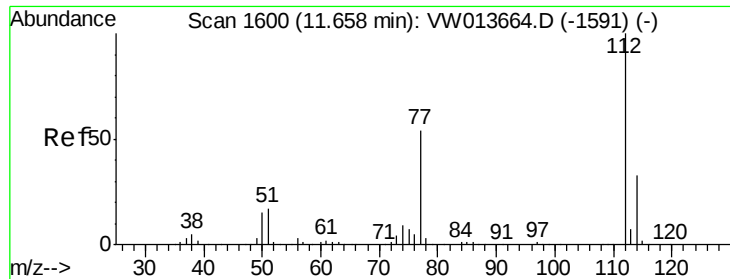
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#64
Tetrachloroethene
Concen: 21.442 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	54548		
166	120.8		103.2	154.8
129	80.6		70.6	105.8
131	75.9		66.0	99.0





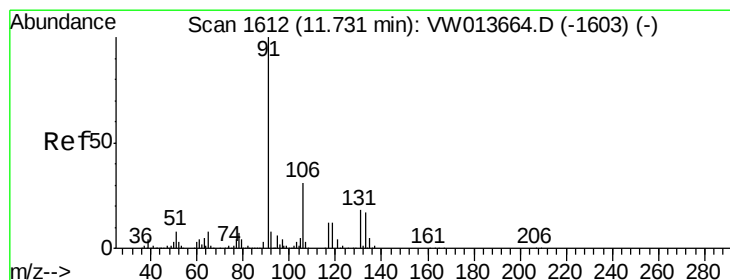
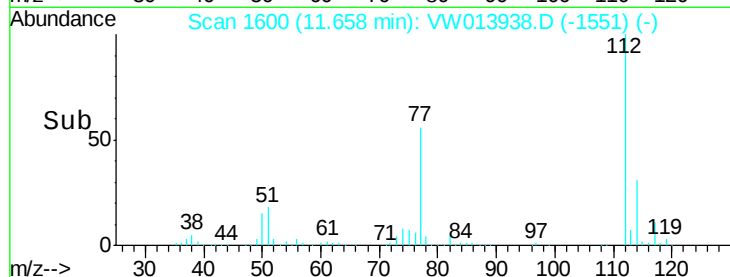
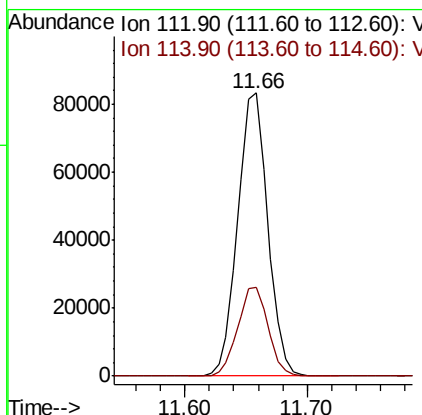
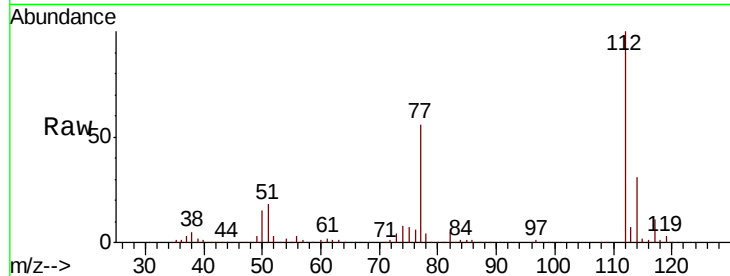
#65
Chlorobenzene
Concen: 20.704 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion:112 Resp: 141658
Ion Ratio Lower Upper
112 100
114 31.2 26.2 39.4

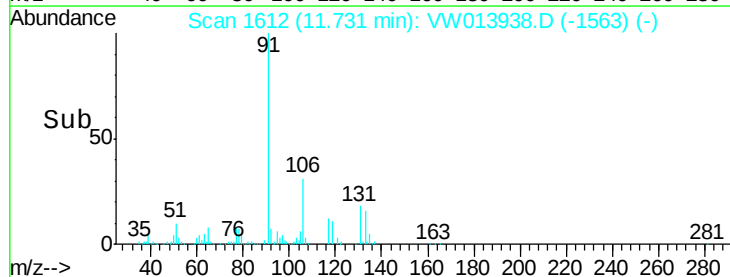
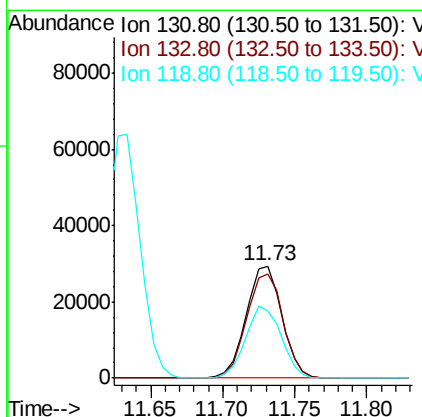
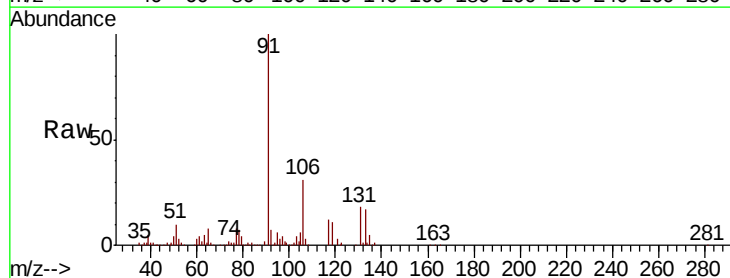
Manual Integrations
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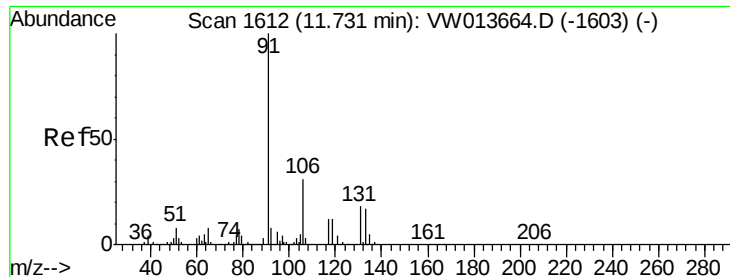
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.986 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion:131 Resp: 50111
Ion Ratio Lower Upper
131 100
133 95.2 47.4 142.3
119 64.3 33.1 99.2





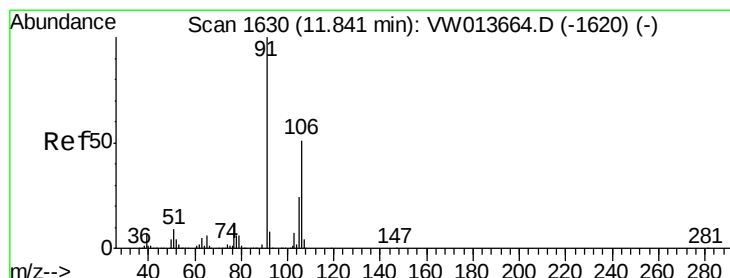
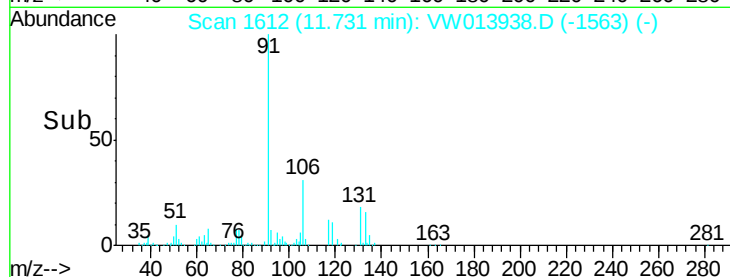
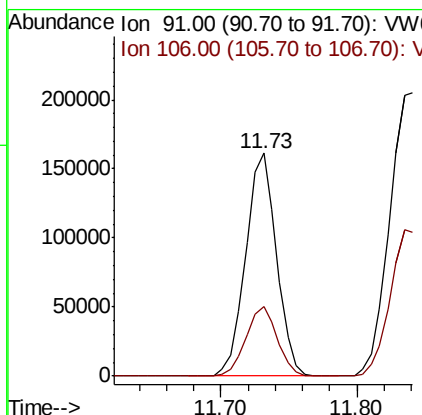
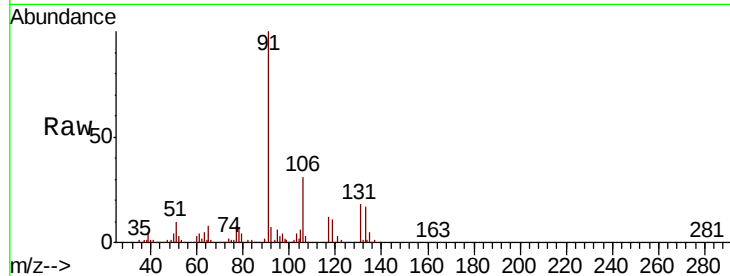
#67
Ethyl Benzene
Concen: 20.776 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion: 91 Resp: 256317
Ion Ratio Lower Upper
91 100
106 31.1 25.0 37.6

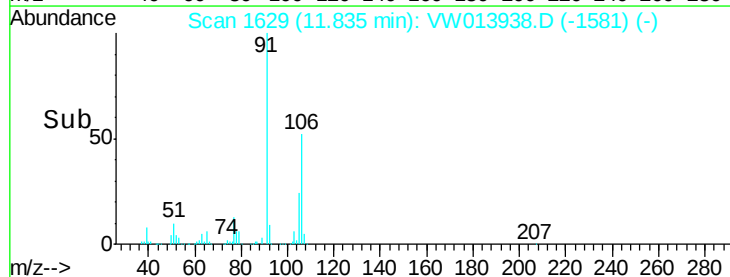
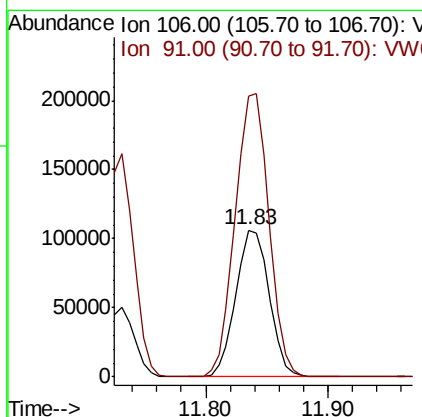
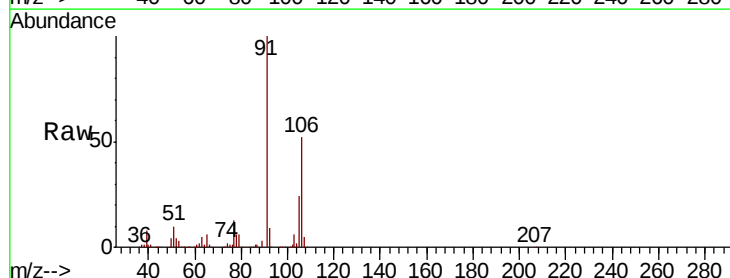
Manual Integrations
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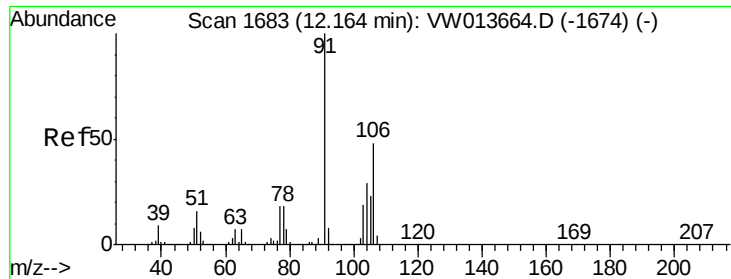
MMDadoda
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#68
m/p-Xylenes
Concen: 42.185 ug/l
RT: 11.83 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion: 106 Resp: 201077
Ion Ratio Lower Upper
106 100
91 195.1 159.2 238.8





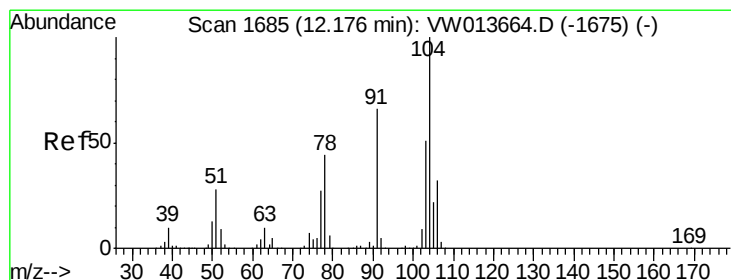
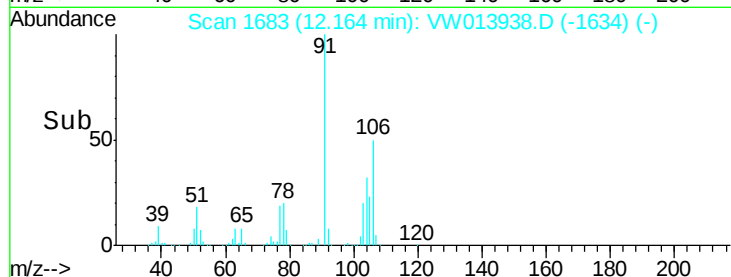
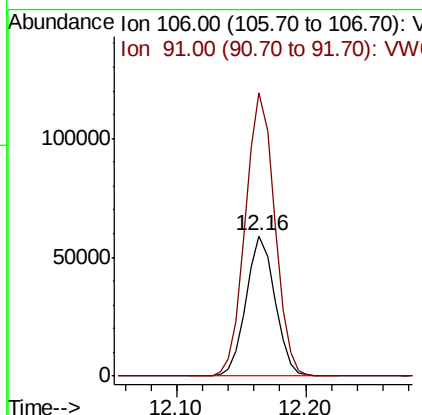
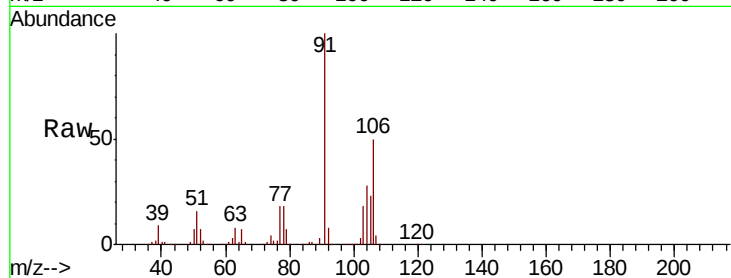
#69
o-Xylene
Concen: 20.789 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ion	Ratio	Lower	Upper
91085	106	100		
	91	205.8	104.9	314.7

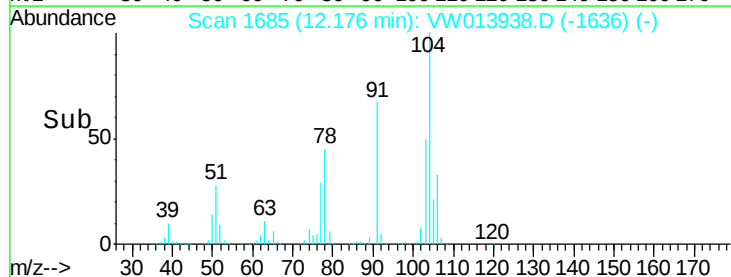
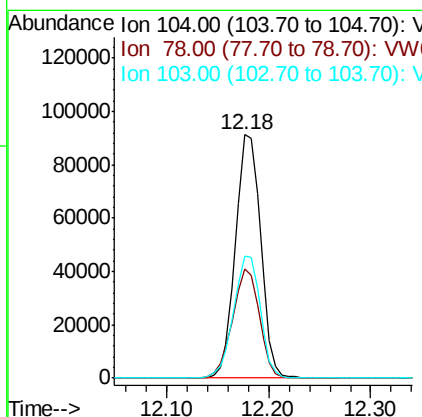
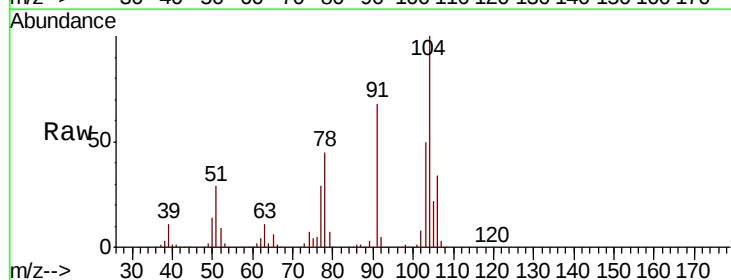
Manual Integrations
APPROVED

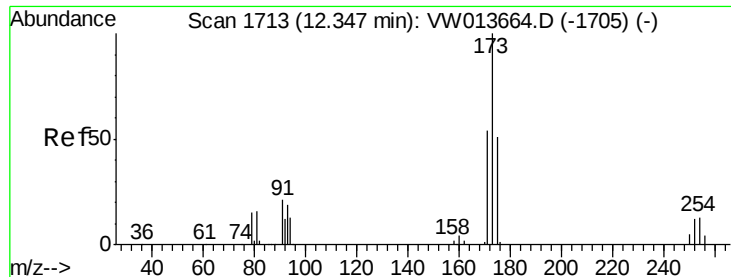
MMDadoda
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#70
Styrene
Concen: 20.712 ug/l
RT: 12.18 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
155917	104	100		
	78	47.6	37.1	55.7
	103	53.0	43.6	65.4





#71

Bromoform

Concen: 21.883 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion:173 Resp: 27422

Ion Ratio Lower Upper

173 100

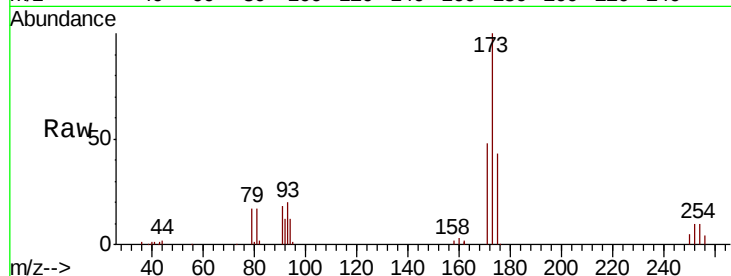
175 47.0 25.2 75.6

254 0.1 0.1 0.1

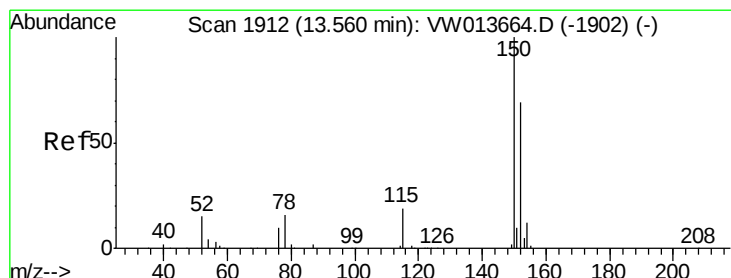
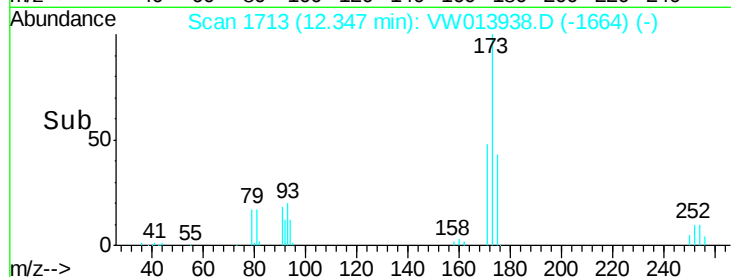
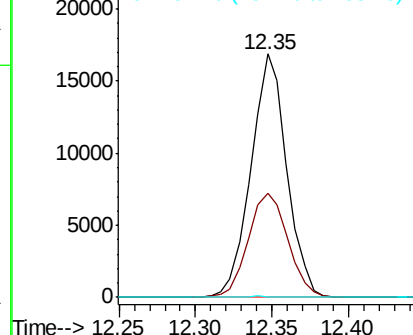
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Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

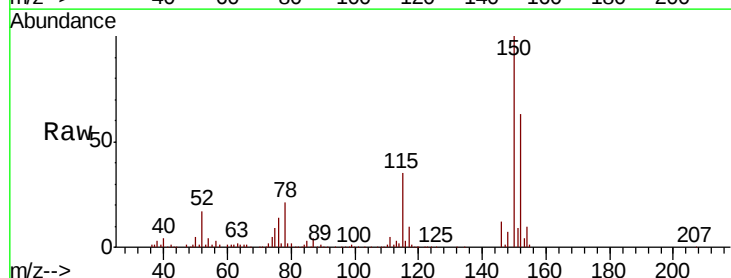
Tgt Ion:152 Resp: 170461

Ion Ratio Lower Upper

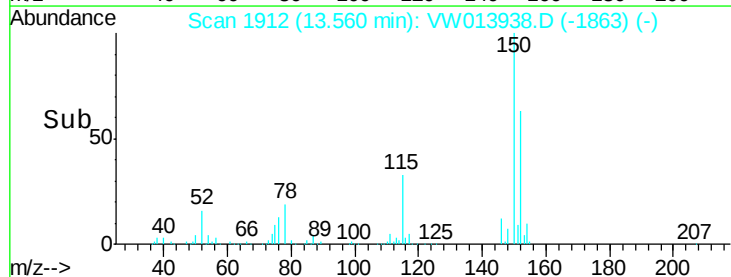
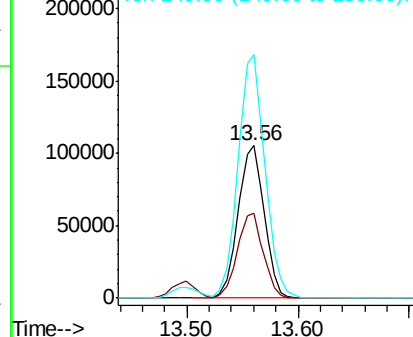
152 100

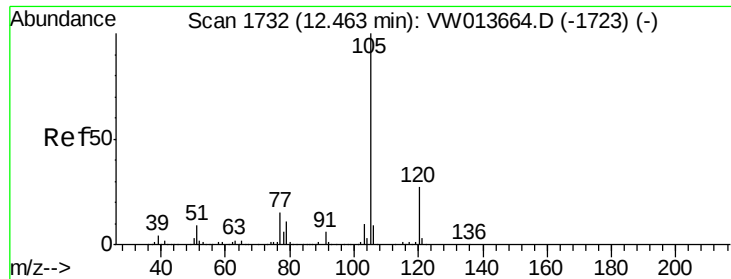
115 55.1 27.4 82.2

150 165.1 0.0 345.4



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.910 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 105 Resp: 255964

Ion Ratio Lower Upper

105 100

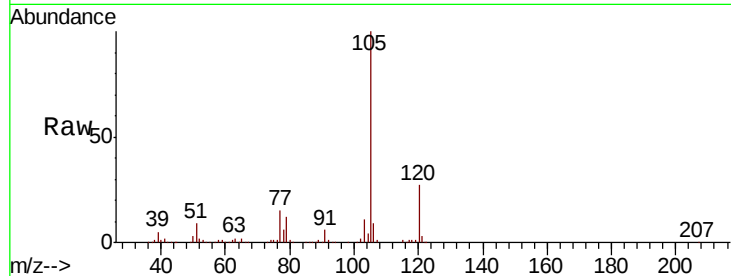
120 26.3 13.5 40.4

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.46

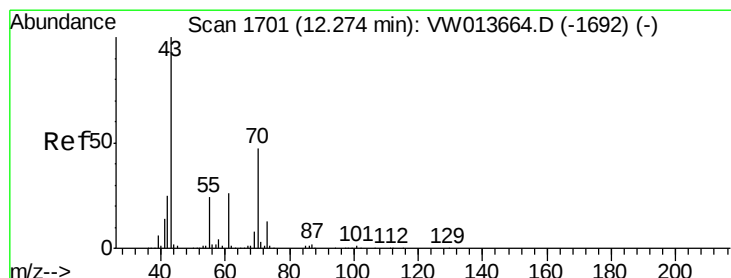
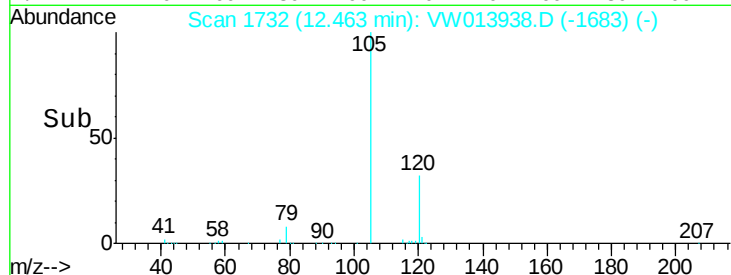
150000

100000

50000

0

Time-->



#74

N-ethyl acetate

Concen: 21.264 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion: 43 Resp: 50354

Ion Ratio Lower Upper

43 100

70 45.0 36.6 55.0

55 25.5 20.3 30.5

61 24.9 20.4 30.6

Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 70.00 (69.70 to 70.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 61.00 (60.70 to 61.70): VW

50000

40000

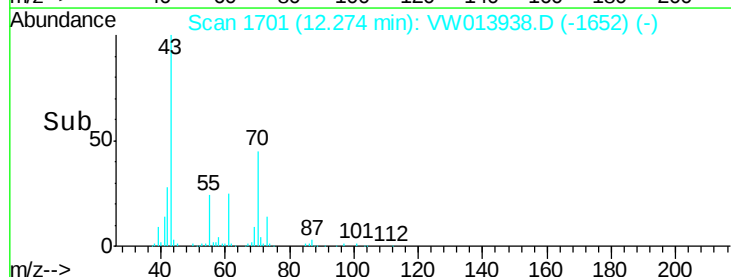
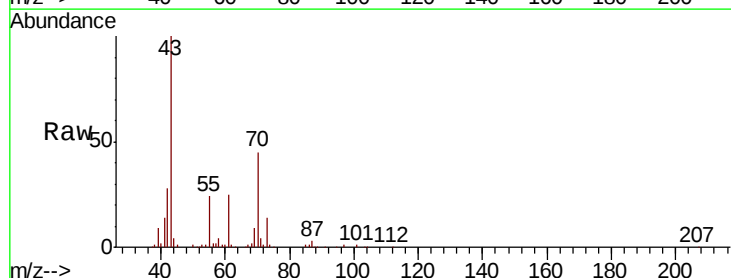
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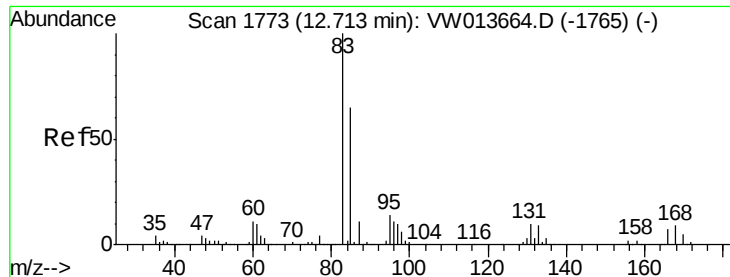
20000

10000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 21.537 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

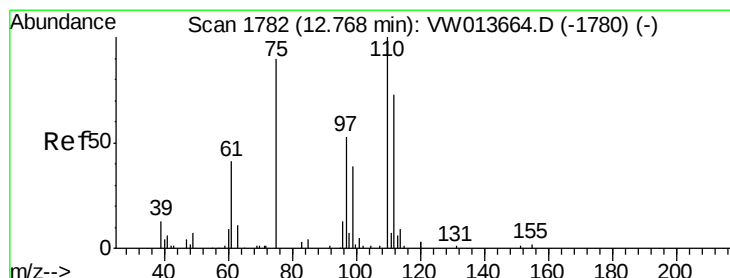
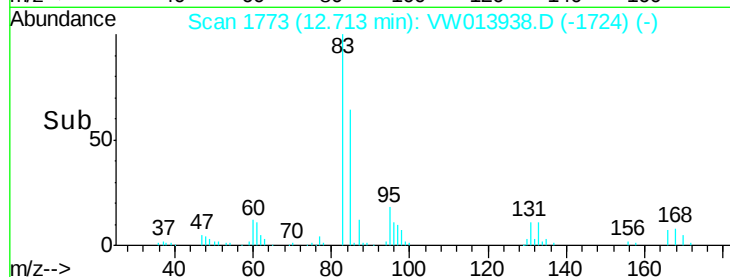
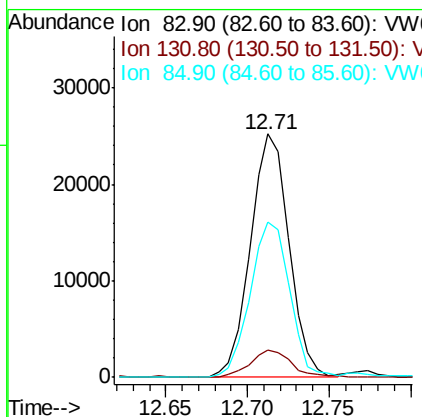
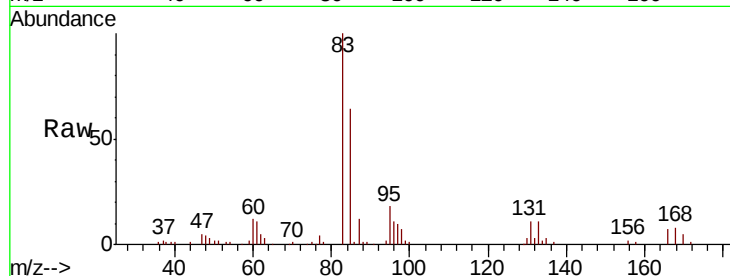
ClientSampleId :

VW1108SBS01

Tot Ion:	83	Resp:	41604
Ion Ratio	Lower	Upper	
83	100		
131	12.1	5.7	17.1
85	65.3	32.5	97.4

Manual Integrations
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#76

1,2,3-Trichloropropane

Concen: 22.125 ug/l m

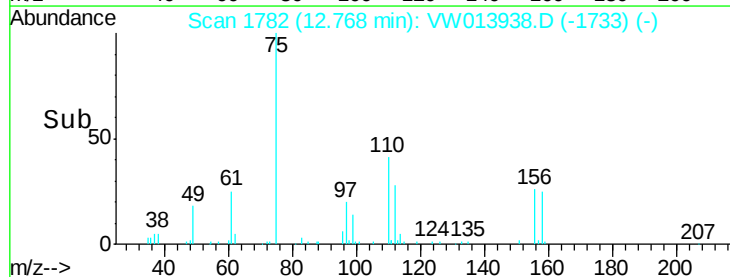
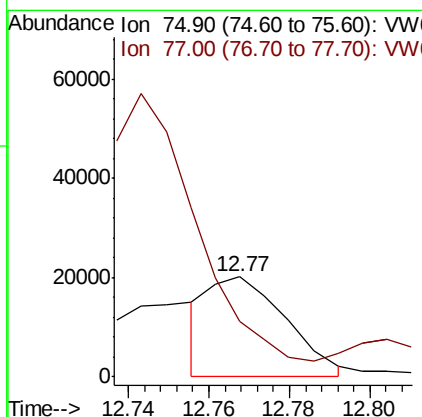
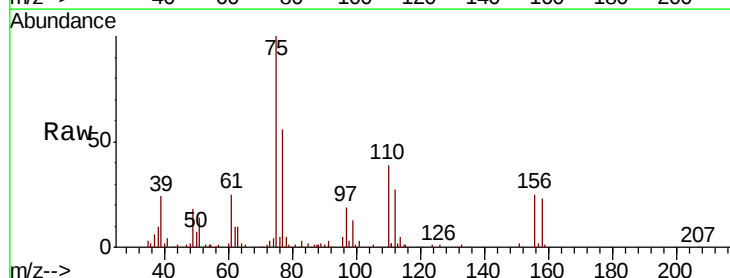
RT: 12.77 min Scan# 1782

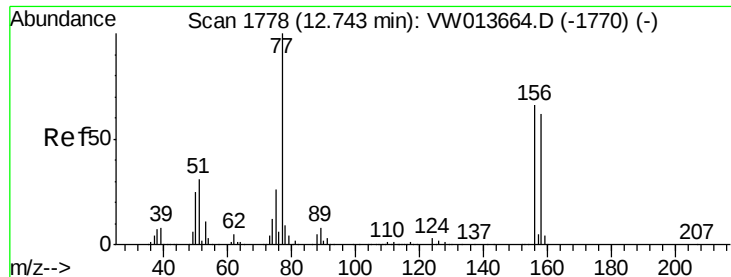
Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion:	75	Resp:	27084
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 21.009 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

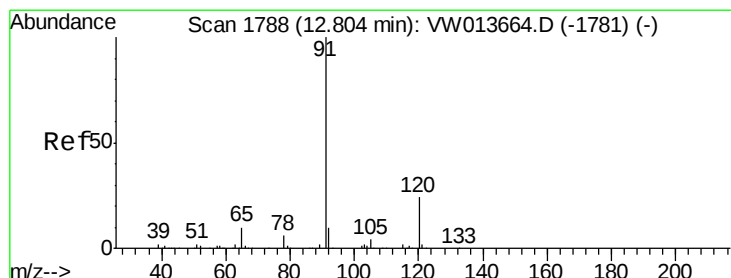
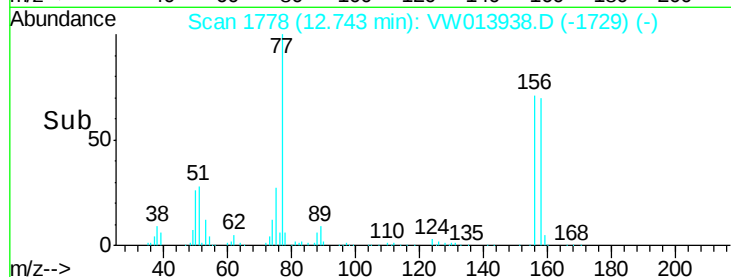
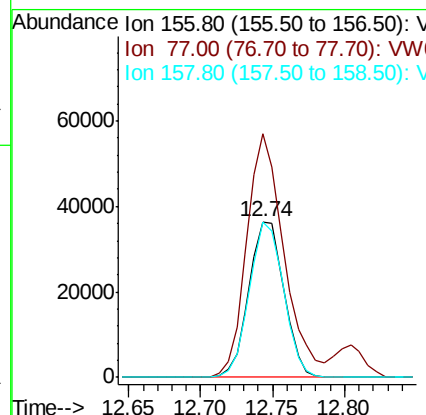
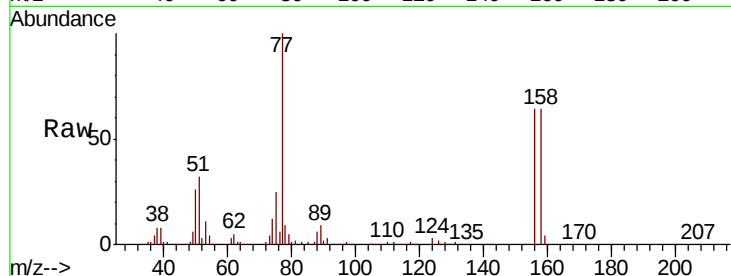
ClientSampleId :

VW1108SBS01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	166.3	82.9	248.7	
158	96.9	48.4	145.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 21.202 ug/l

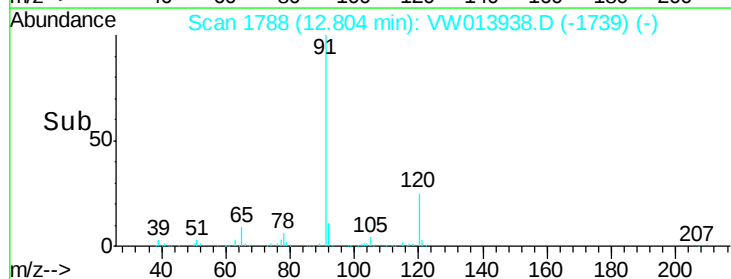
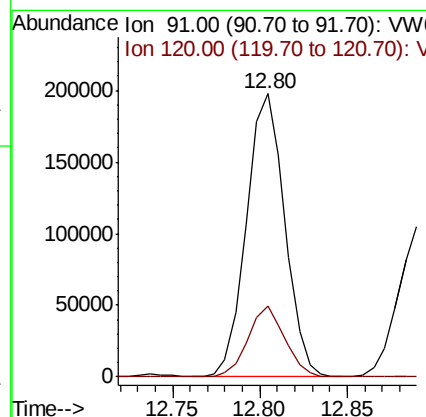
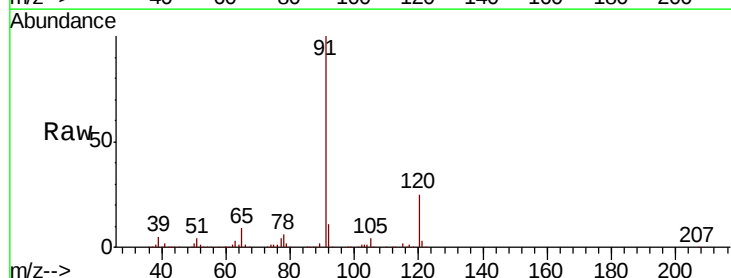
RT: 12.80 min Scan# 1788

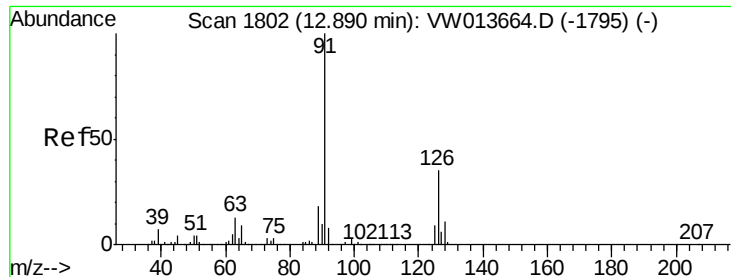
Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.9	12.0	36.0	





#79

2-Chlorotoluene

Concen: 21.059 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion: 91 Resp: 167678

Ion Ratio Lower Upper

91 100

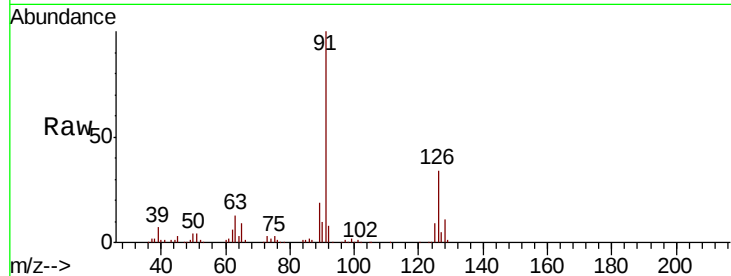
126 34.7 17.4 52.2

Manual Integrations

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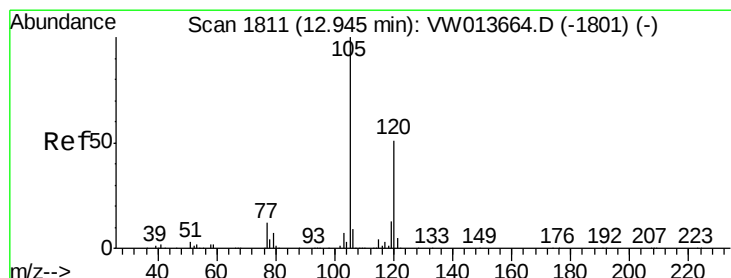
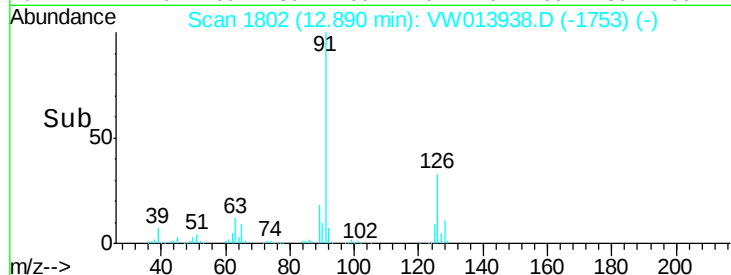
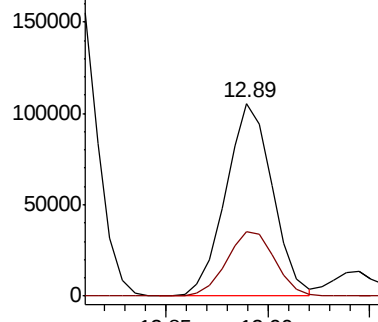
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.957 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013938.D

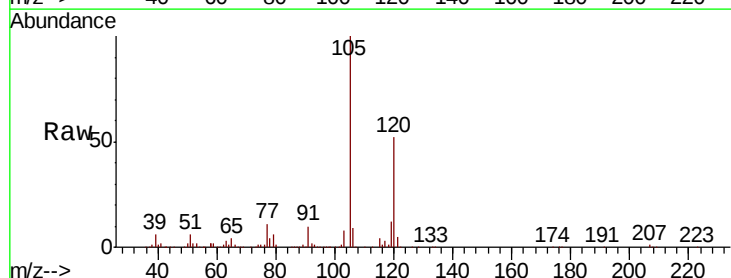
Acq: 08 Nov 2019 12:31

Tgt Ion:105 Resp: 216567

Ion Ratio Lower Upper

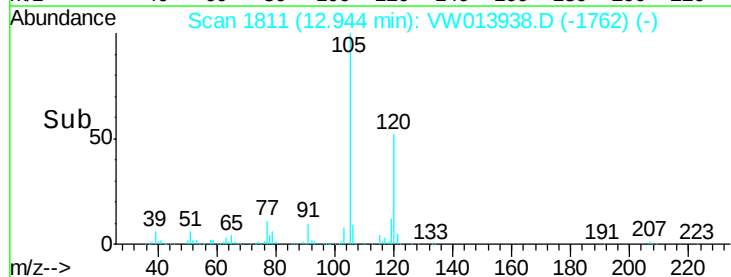
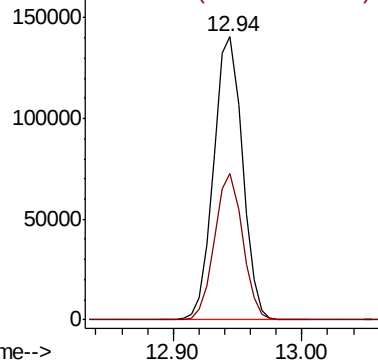
105 100

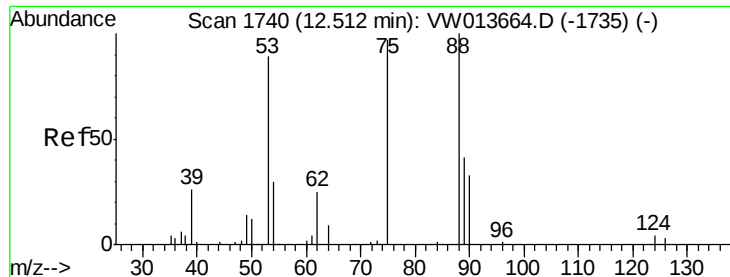
120 50.5 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





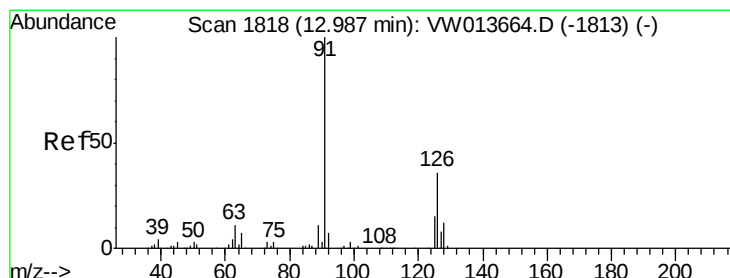
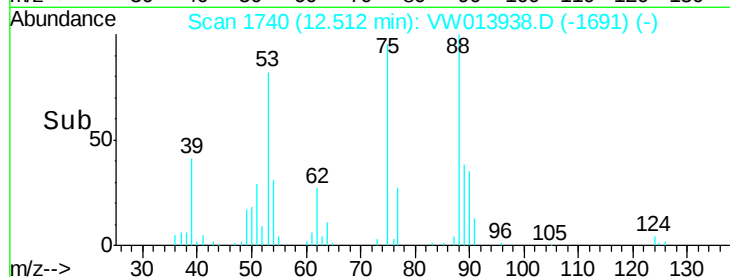
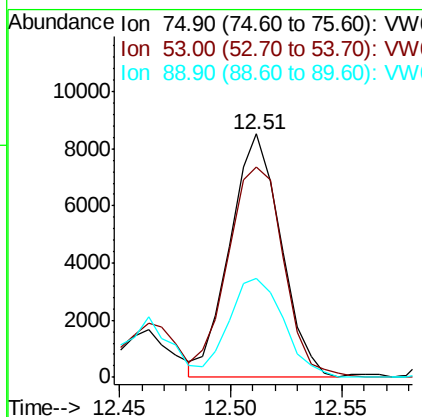
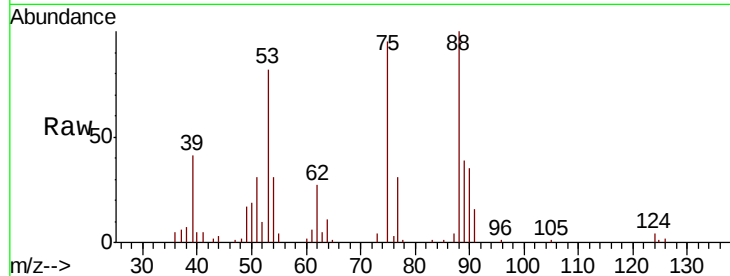
#81
trans-1,4-Dichloro-2-butene
Concen: 21.019 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.0	71.7	107.5
89	43.3	35.8	53.8

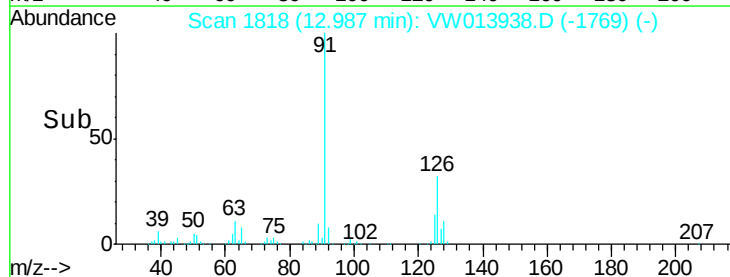
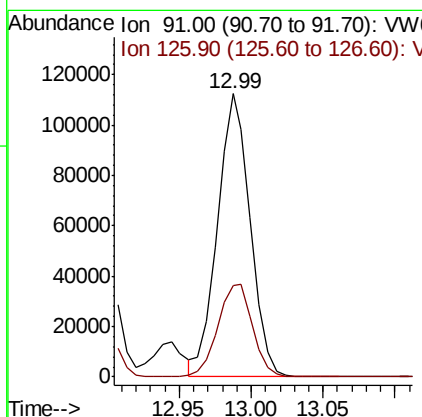
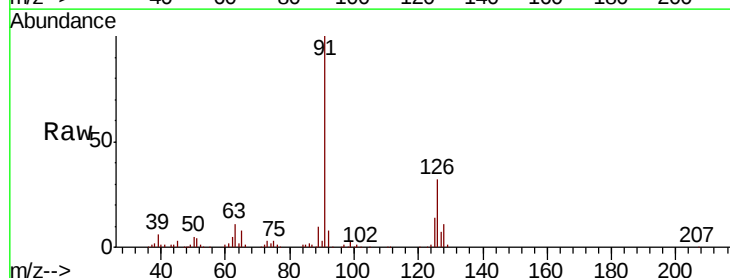
Manual Integrations
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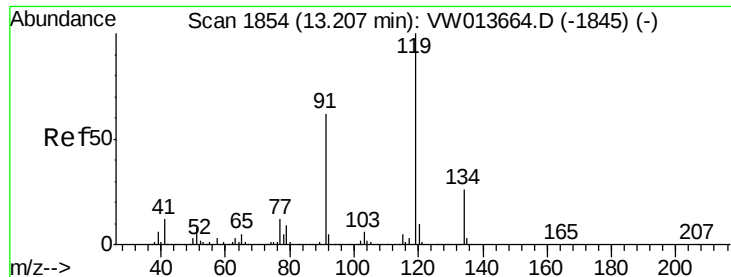
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#82
4-Chlorotoluene
Concen: 21.297 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.9	17.2	51.5





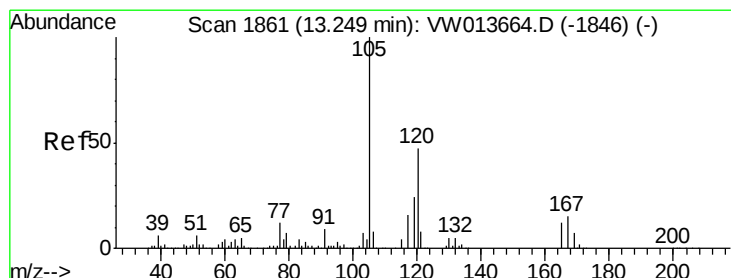
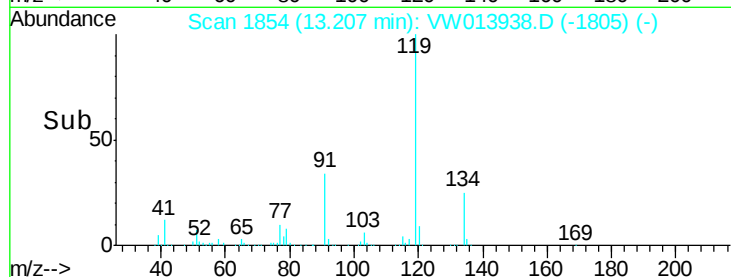
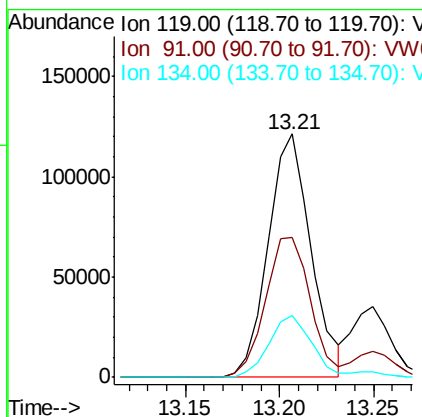
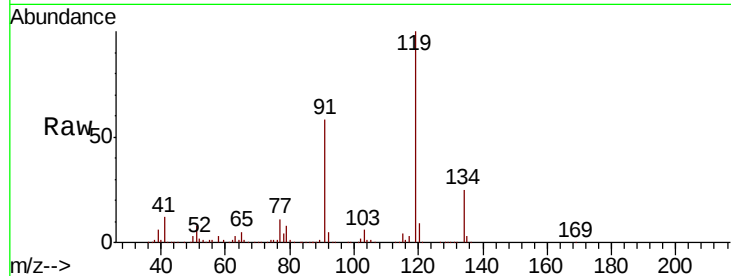
#83
tert-Butylbenzene
Concen: 20.856 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	60.3	30.4	91.3
134	25.6	13.6	40.8

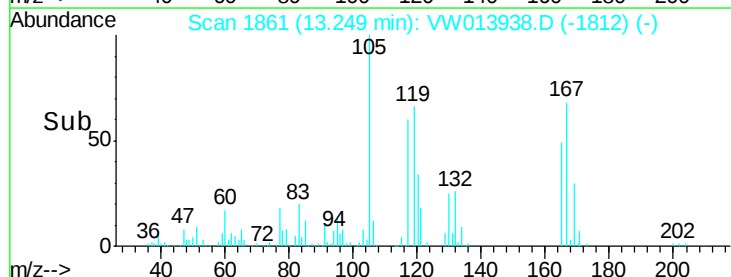
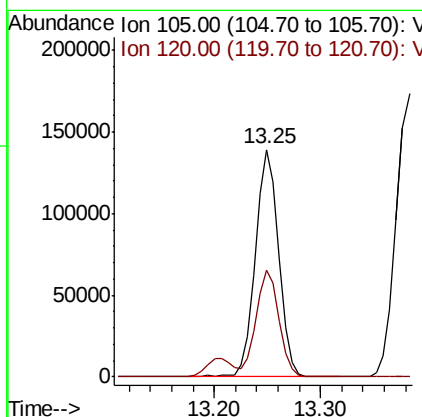
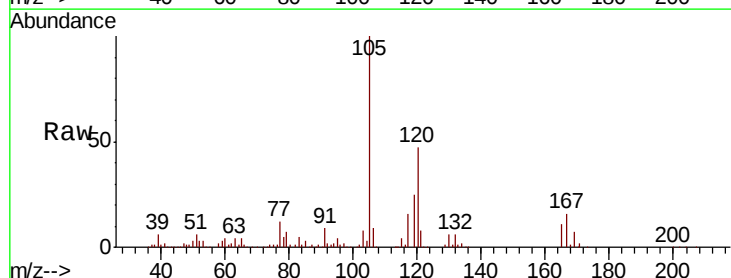
Manual Integrations
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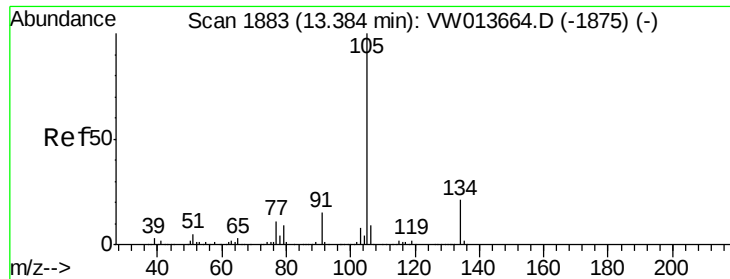
MMDadoda
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#84
1,2,4-Trimethylbenzene
Concen: 20.986 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.0	23.5	70.5





#85

sec-Butylbenzene

Concen: 21.150 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

Instrument :

MSVOA_W

ClientSampleId :

VW1108SBS01

Tot Ion:105 Resp: 265296

Ion Ratio Lower Upper

105 100

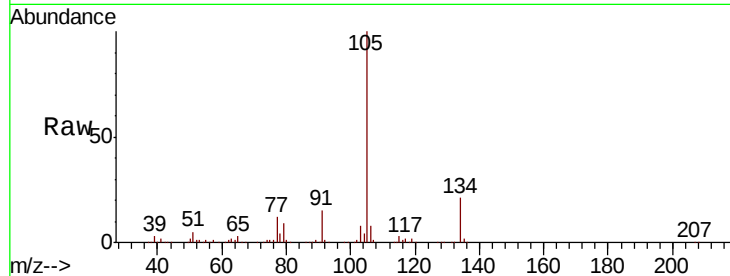
134 20.3 10.5 31.5

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

200000

150000

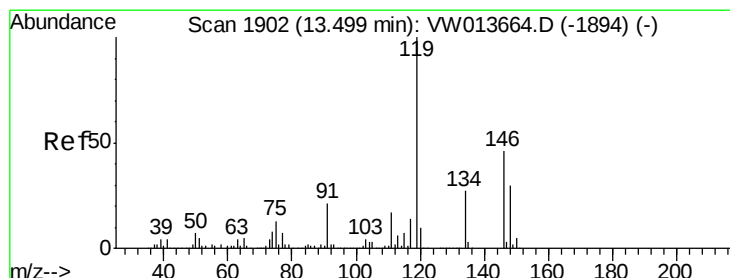
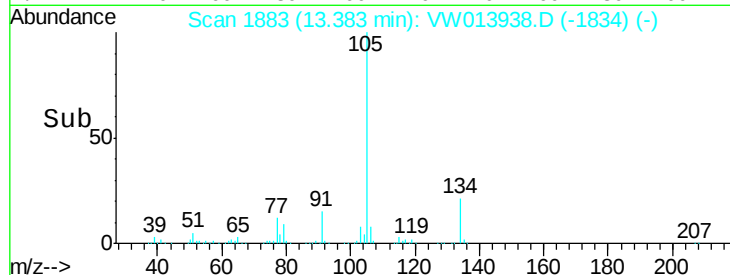
100000

50000

0

13.30 13.40

Time-->



#86

p-Isopropyltoluene

Concen: 21.188 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW013938.D

Acq: 08 Nov 2019 12:31

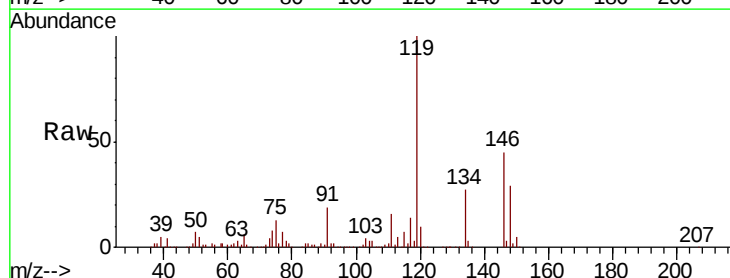
Tgt Ion:119 Resp: 247568

Ion Ratio Lower Upper

119 100

134 26.7 13.4 40.1

91 20.9 10.8 32.3



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VW

200000

150000

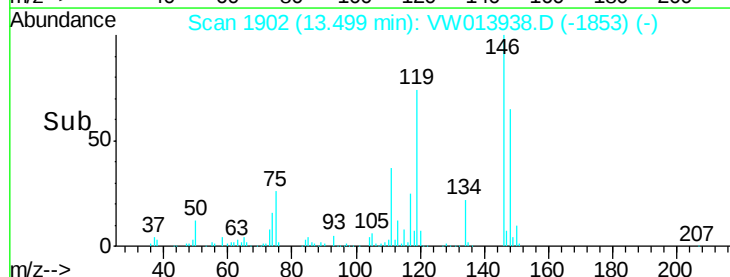
100000

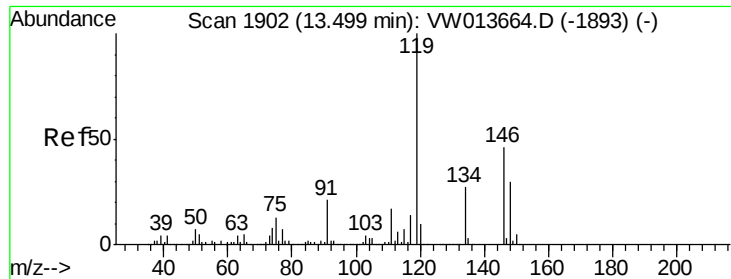
50000

0

13.45 13.50 13.55

Time-->





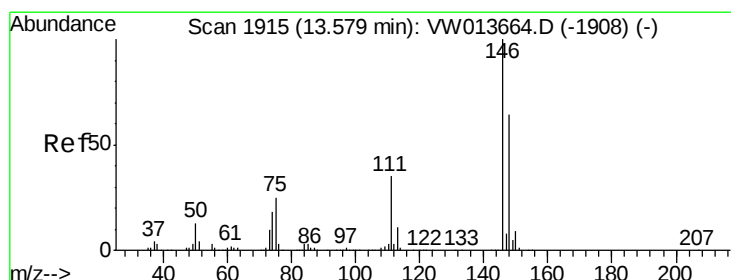
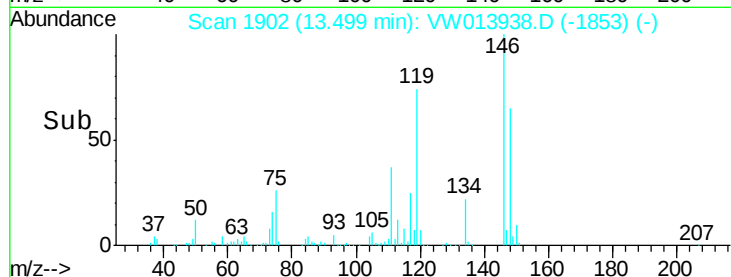
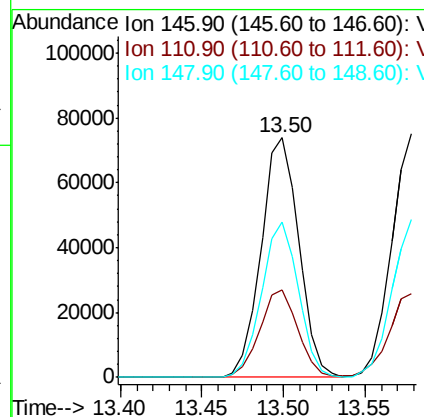
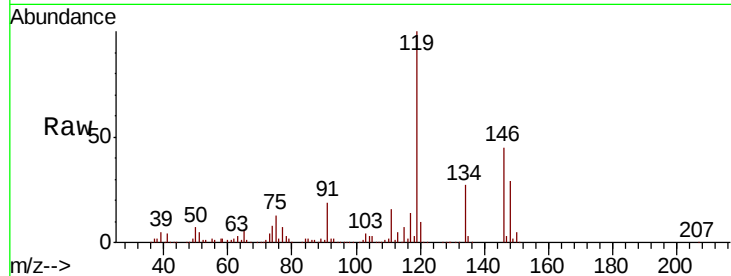
#87
 1,3-Dichlorobenzene
 Concen: 20.997 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	36.9	18.6	56.0
148	63.3	31.7	95.1

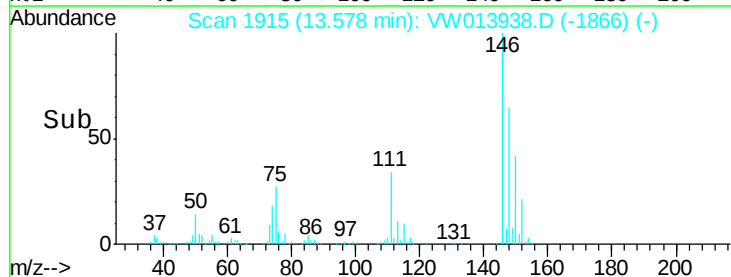
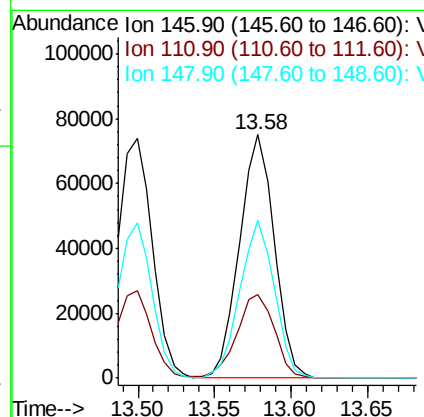
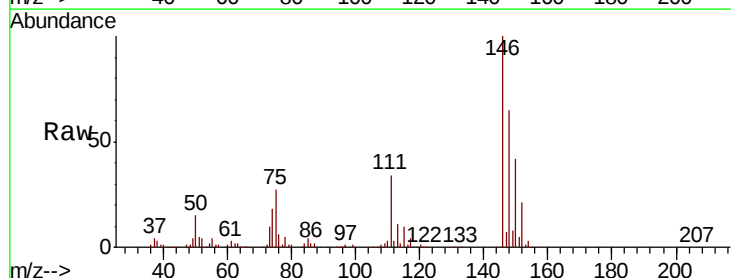
Manual Integrations
 APPROVED

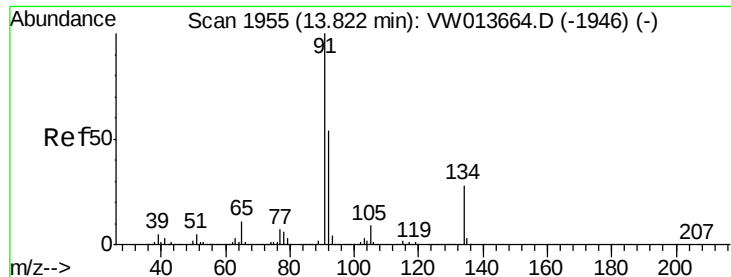
MMDadoda
 11/12/2019 12:58:26 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.072 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.1	18.1	54.3
148	64.5	32.0	96.2





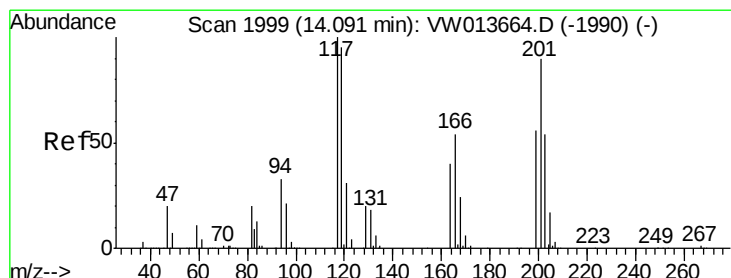
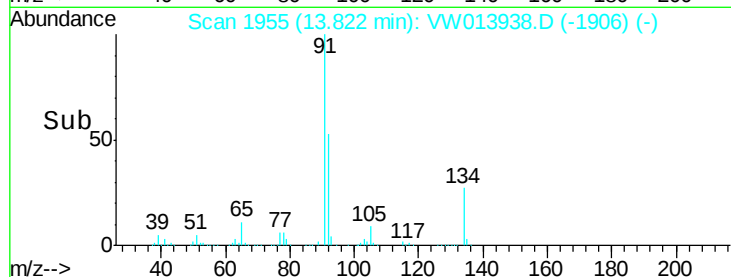
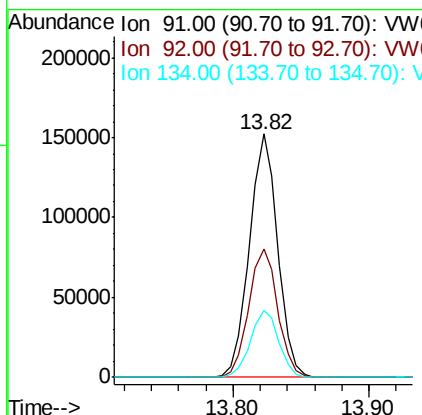
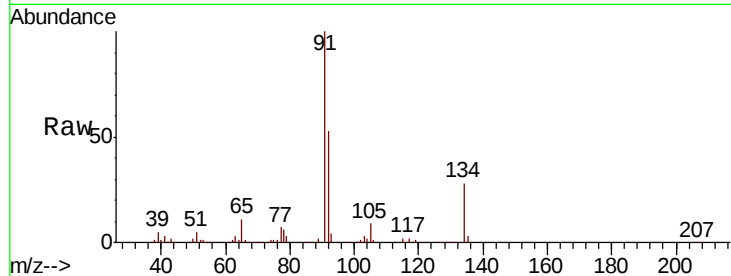
#89
n-Butylbenzene
Concen: 21.051 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	222012		
92	54.1	27.5	82.4	
134	27.7	14.0	41.9	

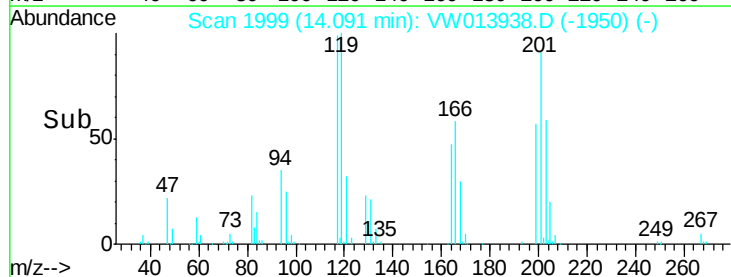
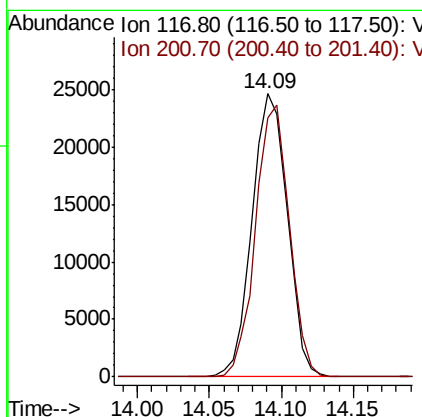
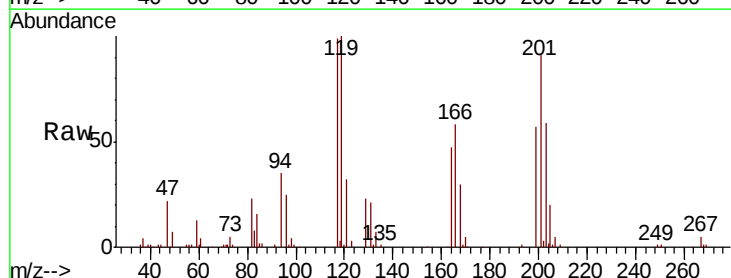
Manual Integrations
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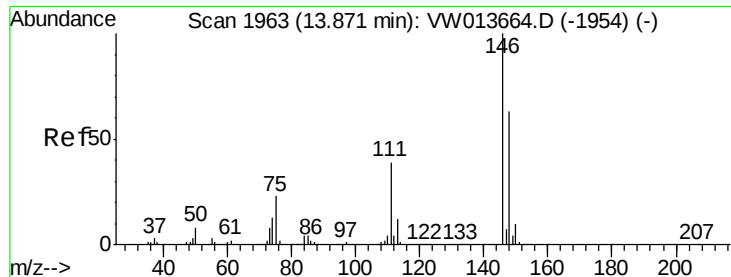
MMDadoda
11/12/2019 12:58:26 PM



#90
Hexachloroethane
Concen: 20.528 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	41691		
201	92.1	46.1	138.2	





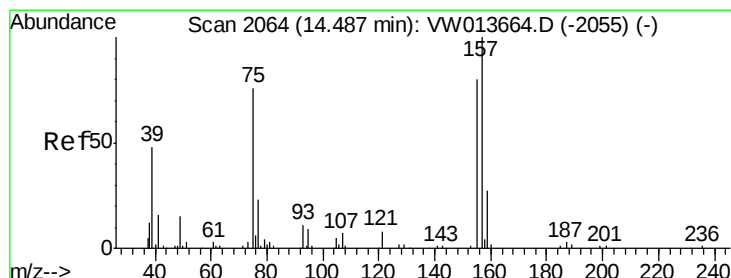
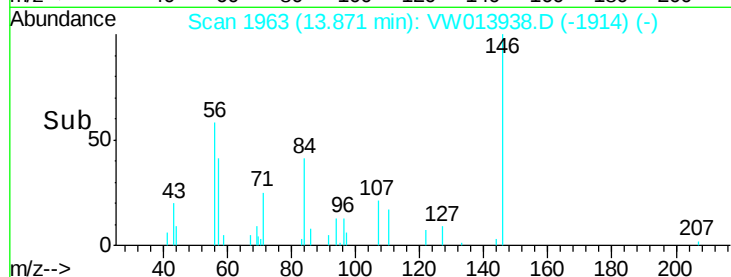
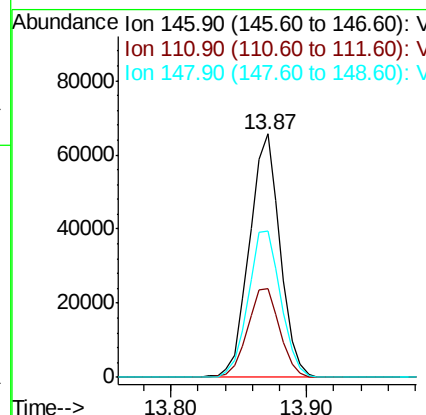
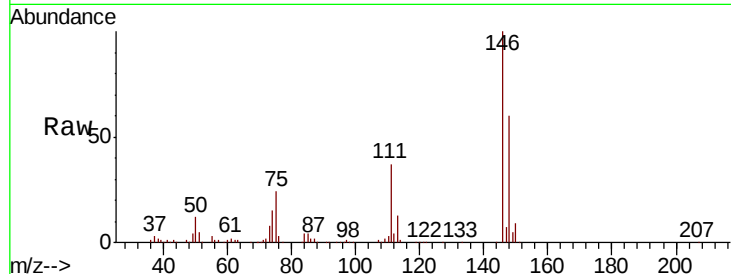
#91
1,2-Dichlorobenzene
Concen: 21.070 ug/l
RT: 13.87 min Scan# 1963
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.5	19.9	59.6
148	64.0	31.9	95.9

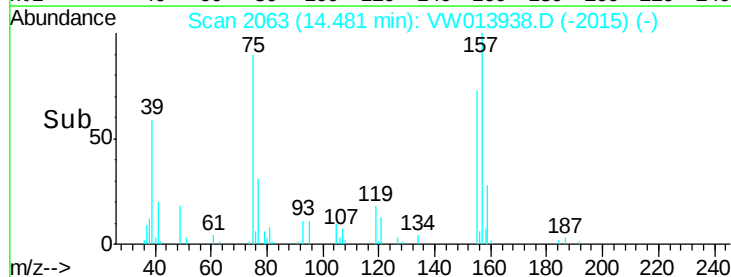
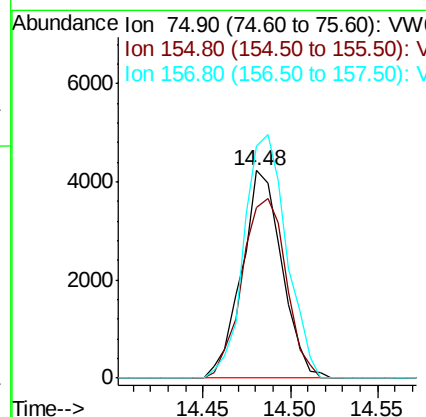
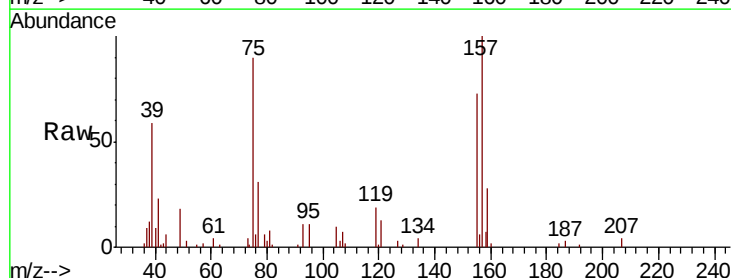
Manual Integrations
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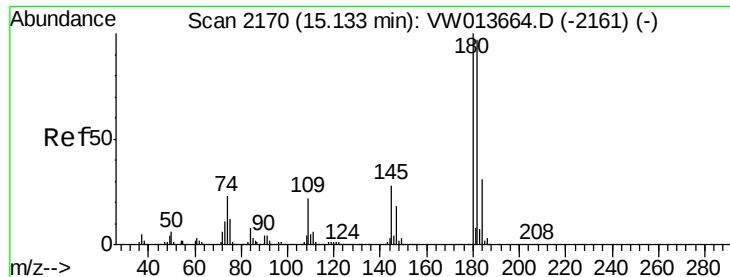
MMDadoda
11/12/2019 12:58:26 PM



#92
1,2-Dibromo-3-Chloropropane
Concen: 23.142 ug/l
RT: 14.48 min Scan# 2063
Delta R.T. -0.01 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.0	51.9	155.7
157	123.6	64.8	194.3





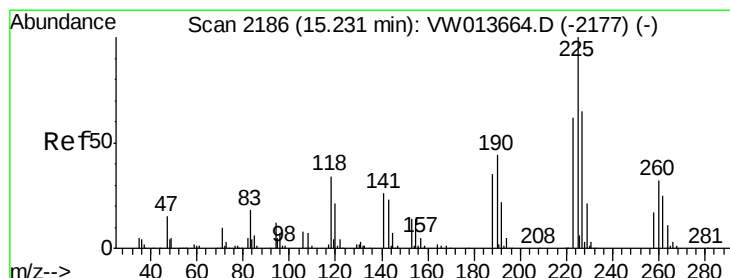
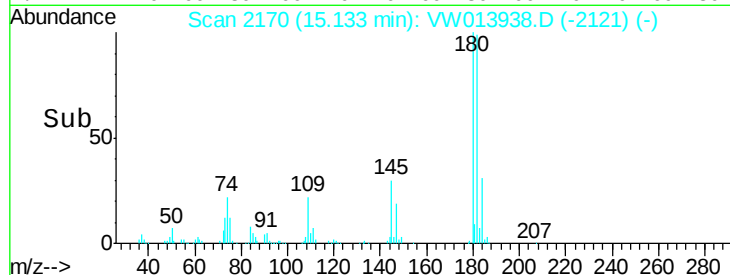
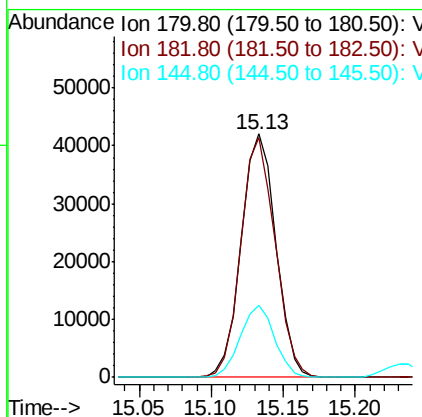
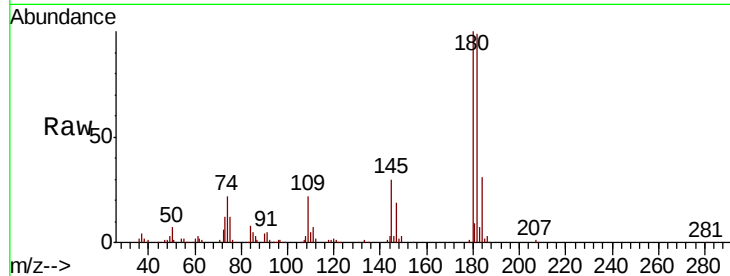
#93
 1,2,4-Trichlorobenzene
 Concen: 19.581 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. -0.00 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1108SBS01

Tot Ion	Ratio	Resp	Lower	Upper
180	100	70008		
182	97.5		47.4	142.2
145	29.5		14.1	42.3

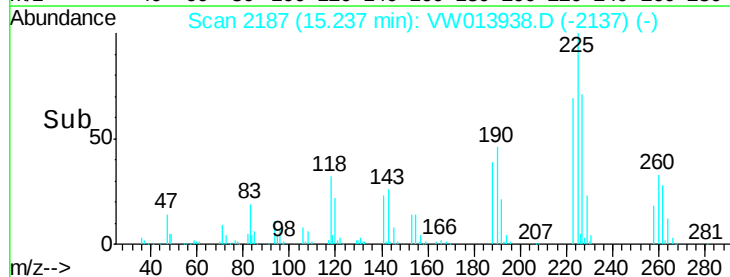
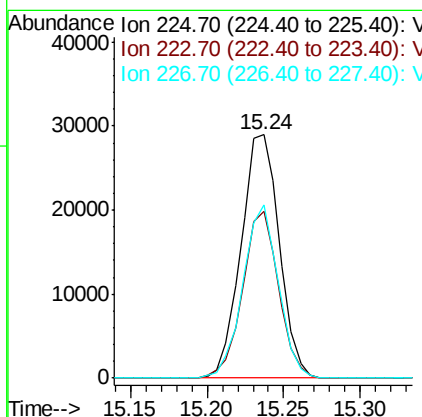
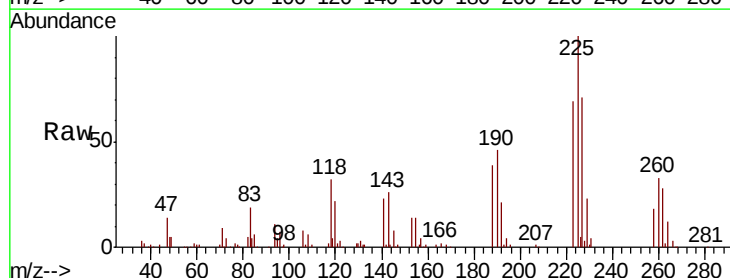
Manual Integrations
 APPROVED

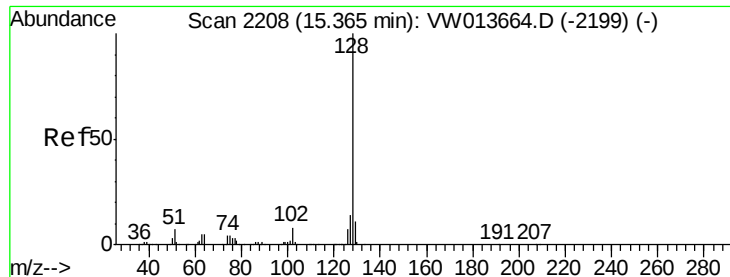
MMDadoda
 11/12/2019 12:58:26 PM



#94
 Hexachlorobutadiene
 Concen: 20.841 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.01 min
 Lab File: VW013938.D
 Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	50302		
223	64.3		31.9	95.9
227	65.9		32.5	97.4





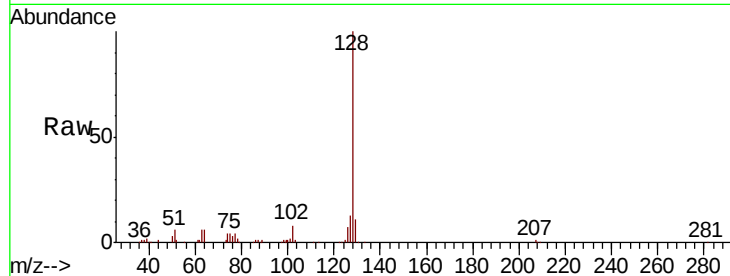
#95
Naphthalene
Concen: 19.532 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Instrument :
MSVOA_W
ClientSampleId :
VW1108SBS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.0	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
11/12/2019 12:58:26 PM

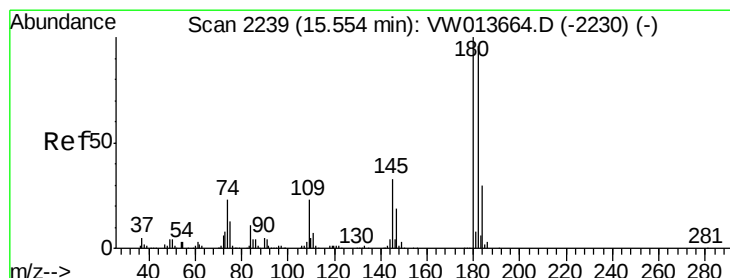
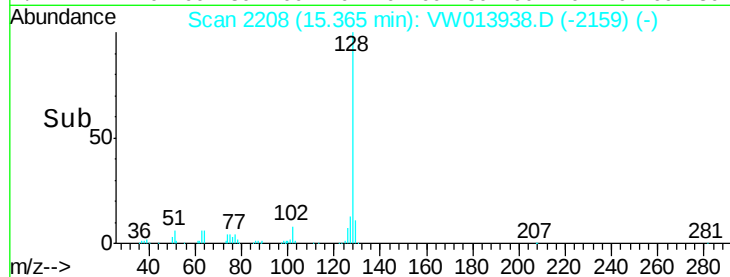
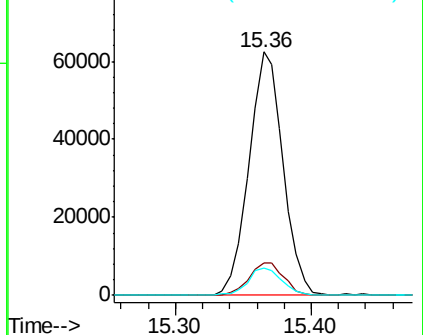


Abundance

Ion 128.00 (127.70 to 128.70): V

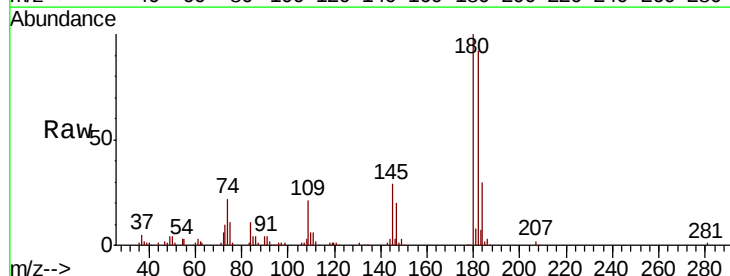
Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 19.604 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013938.D
Acq: 08 Nov 2019 12:31

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.3
145	29.1	14.9	44.9



Abundance

Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

