

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW042320\
 Data File : VW015323.D
 Acq On : 23 Apr 2020 11:19
 Operator : SY/VA
 Sample : VW0423SBS01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Manual Integrations
 APPROVED

MMDadoda
 4/24/2020 1:32:44 PM

Quant Time: Apr 24 09:18:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 21 06:39:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	231201	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	333732	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	305724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	166643	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	95927	50.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.48%	
35) Dibromofluoromethane	7.88	113	97410	52.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.38%	
50) Toluene-d8	10.32	98	389060	50.03	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.06%	
62) 4-Bromofluorobenzene	12.62	95	147080	49.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.00	85	38177	20.910	ug/l	97
3) Chloromethane	2.21	50	39959	20.098	ug/l	98
4) Vinyl Chloride	2.36	62	48391	20.611	ug/l	99
5) Bromomethane	2.76	94	39328	23.559	ug/l	92
6) Chloroethane	2.92	64	28842	19.804	ug/l	99
7) Trichlorofluoromethane	3.26	101	73112	22.006	ug/l	100
8) Diethyl Ether	3.68	74	18310	19.635	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.06	101	45853	22.381	ug/l	93
10) Methyl Iodide	4.28	142	38346	17.820	ug/l	97
11) Tert butyl alcohol	5.18	59	13517	87.705	ug/l	99
12) 1,1-Dichloroethene	4.04	96	42022	21.309	ug/l	93
13) Acrolein	3.90	56	9780	121.242	ug/l	94
14) Allyl chloride	4.67	41	51274	19.599	ug/l #	84
15) Acrylonitrile	5.37	53	32641	91.977	ug/l	97
16) Acetone	4.13	43	27515	83.322	ug/l	97
17) Carbon Disulfide	4.38	76	121027	20.652	ug/l	100
18) Methyl Acetate	4.68	43	15405	17.624	ug/l	95
19) Methyl tert-butyl Ether	5.43	73	90372	19.963	ug/l	95
20) Methylene Chloride	4.92	84	41536	19.192	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	48187	21.545	ug/l	89
22) Diisopropyl ether	6.31	45	100915	20.108	ug/l #	90
23) Vinyl Acetate	6.26	43	290001	98.468	ug/l	94
24) 1,1-Dichloroethane	6.22	63	71770	20.634	ug/l	98
25) 2-Butanone	7.17	43	40203	91.763	ug/l #	88
26) 2,2-Dichloropropane	7.17	77	77703	21.235	ug/l	97
27) cis-1,2-Dichloroethene	7.17	96	51343	21.264	ug/l	99
28) Bromochloromethane	7.51	49	24941	19.722	ug/l #	72
29) Tetrahydrofuran	7.53	42	25044	91.752	ug/l	90
30) Chloroform	7.68	83	79790	21.255	ug/l	98
31) Cyclohexane	7.95	56	72748	20.807	ug/l #	84
32) 1,1,1-Trichloroethane	7.87	97	79595	21.969	ug/l	99
36) 1,1-Dichloropropene	8.08	75	65639	21.791	ug/l	98
37) Ethyl Acetate	7.25	43	18630	19.058	ug/l	97
38) Carbon Tetrachloride	8.07	117	72374	21.987	ug/l	96

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	83193	20.751	ug/l	98
40) Benzene	8.32	78	170852	21.234	ug/l	96
41) Methacrylonitrile	7.48	41	10353	17.651	ug/l #	86
42) 1,2-Dichloroethane	8.40	62	49166	20.757	ug/l	99
43) Isopropyl Acetate	8.42	43	38152	18.608	ug/l	94
44) Trichloroethene	9.09	130	54844	22.284	ug/l	92
45) 1,2-Dichloropropane	9.37	63	38934	20.808	ug/l	98
46) Dibromomethane	9.46	93	22012	20.337	ug/l #	85
47) Bromodichloromethane	9.64	83	60307	20.842	ug/l	99
48) Methyl methacrylate	9.43	41	17270	17.818	ug/l #	85
49) 1,4-Dioxane	9.45	88	4826	334.454	ug/l	91
51) 4-Methyl-2-Pentanone	10.21	43	86848	90.235	ug/l	95
52) Toluene	10.38	92	117298	20.830	ug/l	100
53) t-1,3-Dichloropropene	10.60	75	57280	20.077	ug/l	100
54) cis-1,3-Dichloropropene	10.07	75	68126	20.543	ug/l	98
55) 1,1,2-Trichloroethane	10.79	97	30972	20.435	ug/l	98
56) Ethyl methacrylate	10.65	69	36074	18.476	ug/l	93
57) 1,3-Dichloropropane	10.93	76	51783	20.626	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.92	63	85934	94.932	ug/l #	89
59) 2-Hexanone	10.96	43	60507	88.069	ug/l	96
60) Dibromochloromethane	11.13	129	42272	21.124	ug/l	100
61) 1,2-Dibromoethane	11.23	107	30000	20.285	ug/l	100
64) Tetrachloroethene	10.86	164	49592	22.728	ug/l	92
65) Chlorobenzene	11.66	112	128856	21.479	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	46817	21.713	ug/l	98
67) Ethyl Benzene	11.73	91	236889	21.174	ug/l	99
68) m/p-Xylenes	11.84	106	186453	42.518	ug/l	100
69) o-Xylene	12.16	106	86961	21.245	ug/l	98
70) Styrene	12.18	104	145466	20.849	ug/l	100
71) Bromoform	12.35	173	24394	20.079	ug/l #	98
73) Isopropylbenzene	12.46	105	247705	21.439	ug/l	100
74) N-amyl acetate	12.27	43	37414	18.613	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.71	83	32063	19.545	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	19759m	15.327	ug/l	
77) Bromobenzene	12.75	156	56845	21.414	ug/l	82
78) n-propylbenzene	12.80	91	285557	21.227	ug/l	97
79) 2-Chlorotoluene	12.89	91	160301	21.144	ug/l	96
80) 1,3,5-Trimethylbenzene	12.94	105	209112	21.010	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	11218	19.022	ug/l	97
82) 4-Chlorotoluene	12.99	91	168969	20.991	ug/l	98
83) tert-Butylbenzene	13.21	119	187023	21.499	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	205807	20.965	ug/l	100
85) sec-Butylbenzene	13.38	105	256667	21.364	ug/l	97
86) p-Isopropyltoluene	13.50	119	241773	21.658	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	111887	21.213	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	109840	21.245	ug/l	98
89) n-Butylbenzene	13.82	91	214536	21.026	ug/l	98
90) Hexachloroethane	14.09	117	43671	21.332	ug/l	74
91) 1,2-Dichlorobenzene	13.87	146	98209	21.428	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.48	75	5521	18.597	ug/l	87

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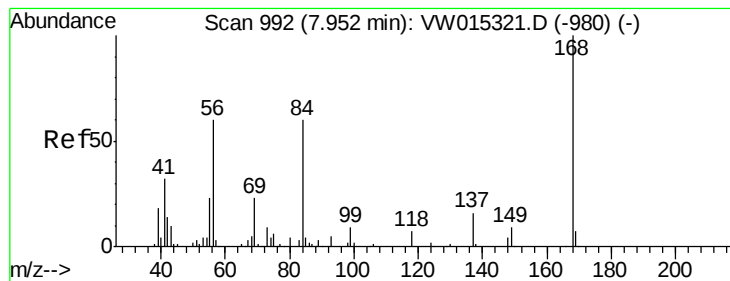
Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_W\METHOD\82W042020S.M
Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	68656	21.551	ug/l	98
94) Hexachlorobutadiene	15.24	225	47217	22.231	ug/l	97
95) Naphthalene	15.36	128	100637	19.638	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	57094	22.027	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion:168 Resp: 231201

Ion Ratio Lower Upper

168 100

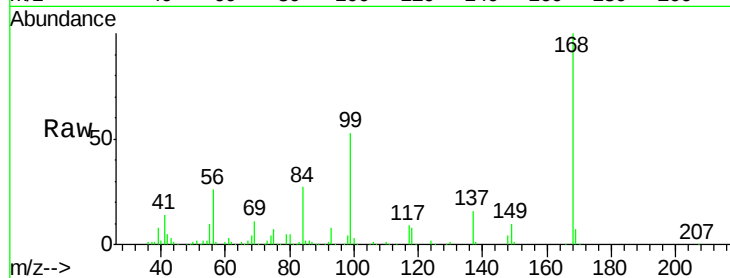
99 53.1 48.5 72.7

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

120000

100000

80000

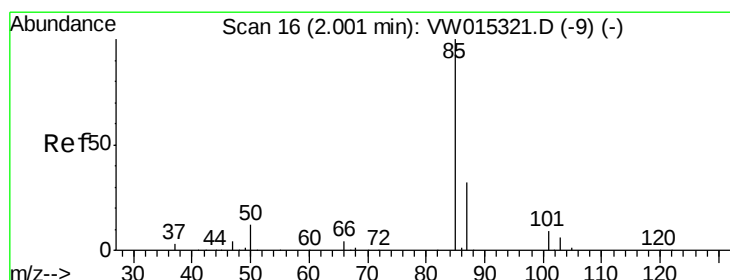
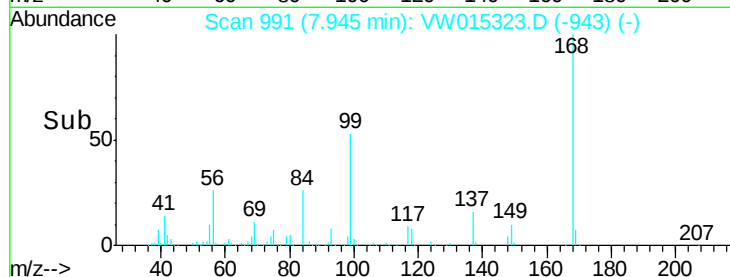
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 20.910 ug/l

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW015323.D

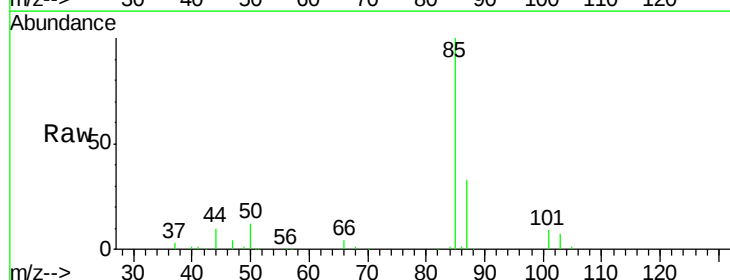
Acq: 23 Apr 2020 11:19

Tgt Ion: 85 Resp: 38177

Ion Ratio Lower Upper

85 100

87 32.6 17.2 51.6



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.00

30000

25000

20000

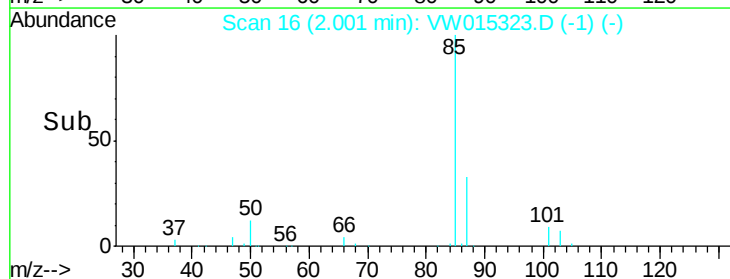
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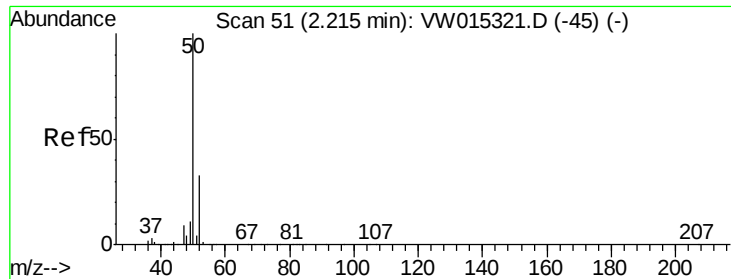
10000

5000

0

Time--> 1.90 1.95 2.00 2.05 2.10





#3

Chloromethane

Concen: 20.098 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 50 Resp: 39959

Ion Ratio Lower Upper

50 100

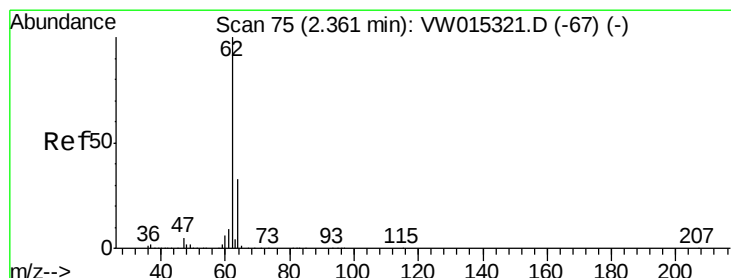
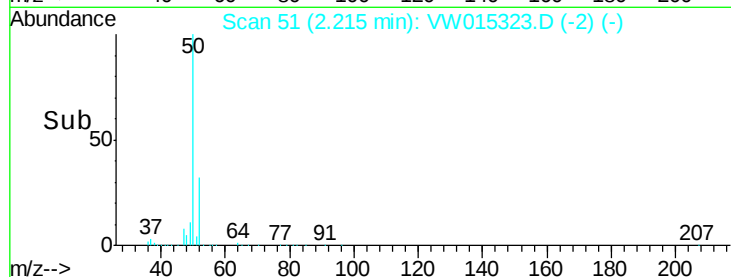
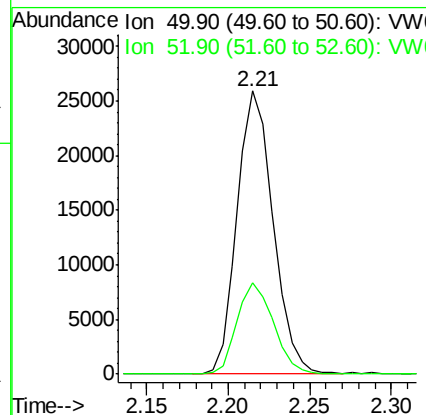
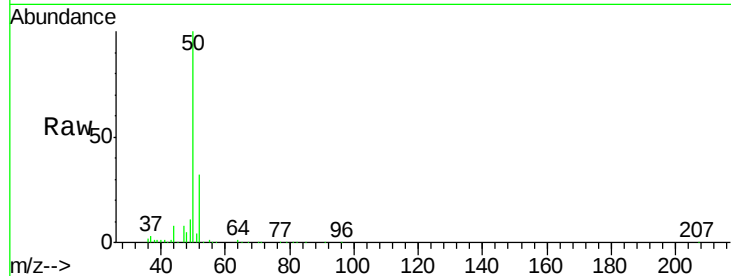
52 32.2 26.5 39.7

Manual Integrations

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#4

Vinyl Chloride

Concen: 20.611 ug/l

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW015323.D

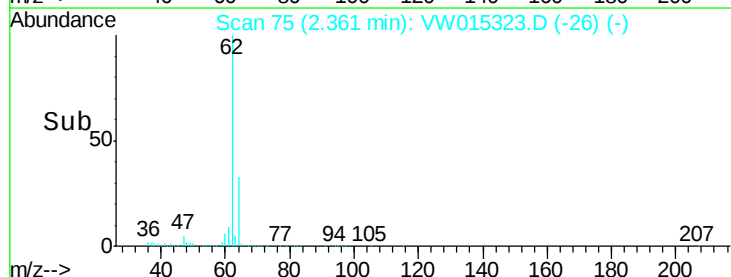
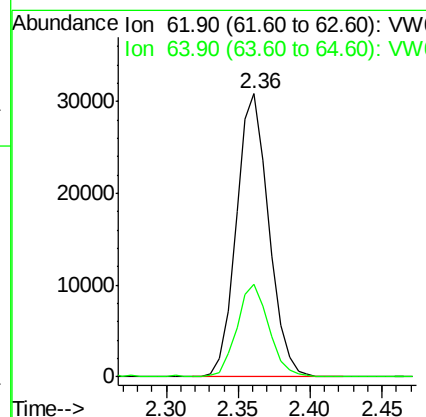
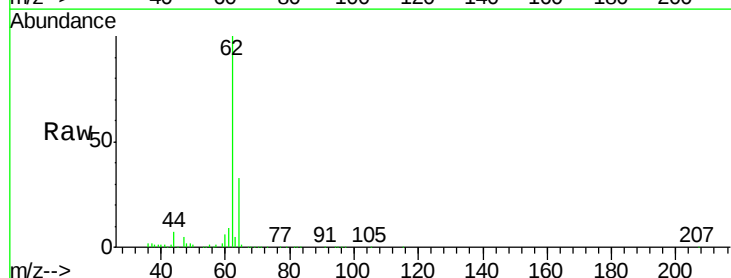
Acq: 23 Apr 2020 11:19

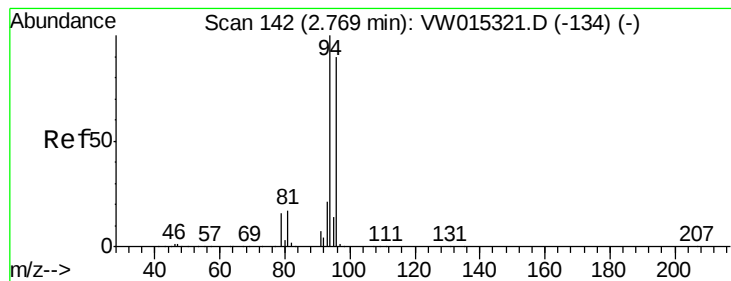
Tgt Ion: 62 Resp: 48391

Ion Ratio Lower Upper

62 100

64 32.4 25.4 38.2





#5

Bromomethane

Concen: 23.559 ug/l

RT: 2.76 min Scan# 141

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 94 Resp: 39328

Ion Ratio Lower Upper

94 100

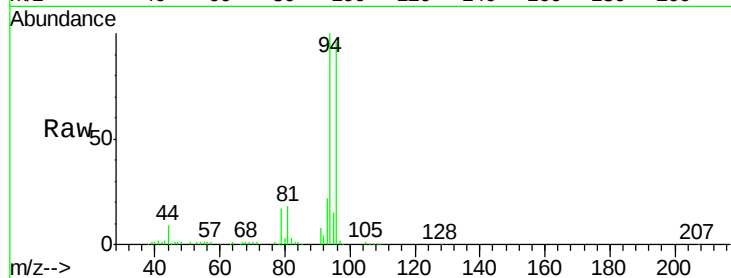
96 95.6 70.4 105.6

Manual Integrations

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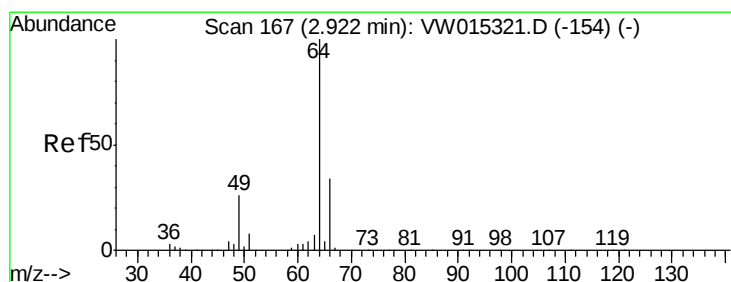
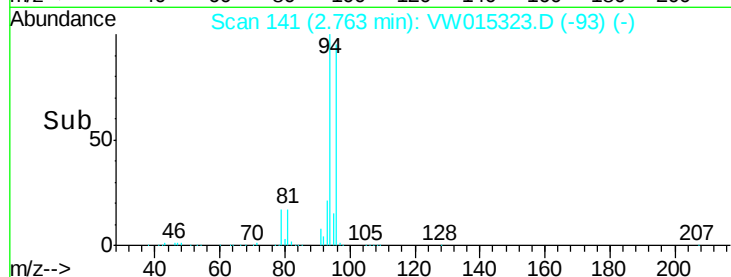
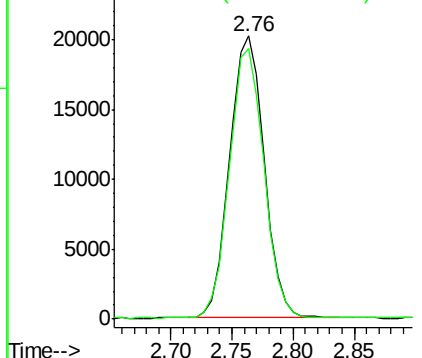
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Abundance Ion 93.90 (93.60 to 94.60): VW

Ion 95.90 (95.60 to 96.60): VW



#6

Chloroethane

Concen: 19.804 ug/l

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW015323.D

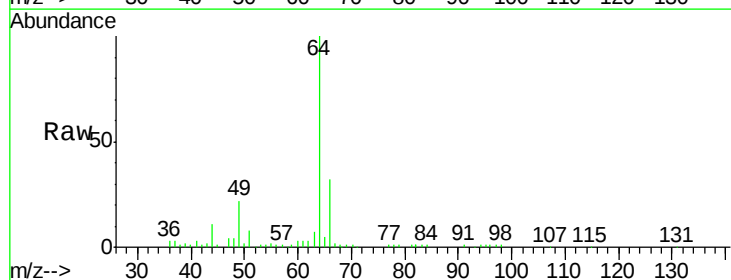
Acq: 23 Apr 2020 11:19

Tgt Ion: 64 Resp: 28842

Ion Ratio Lower Upper

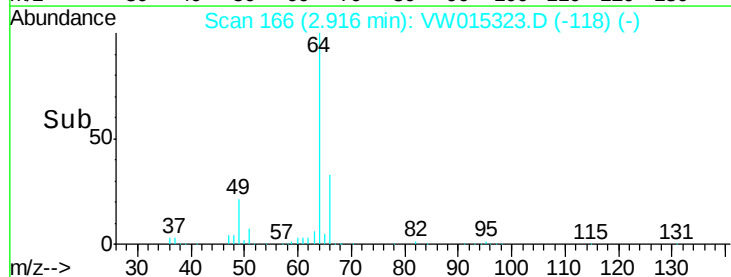
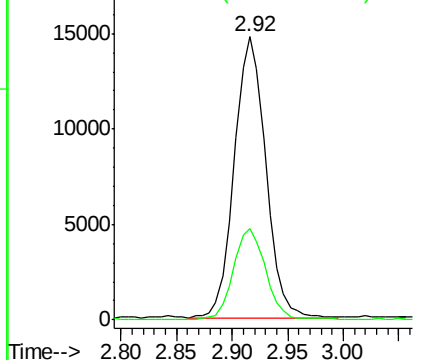
64 100

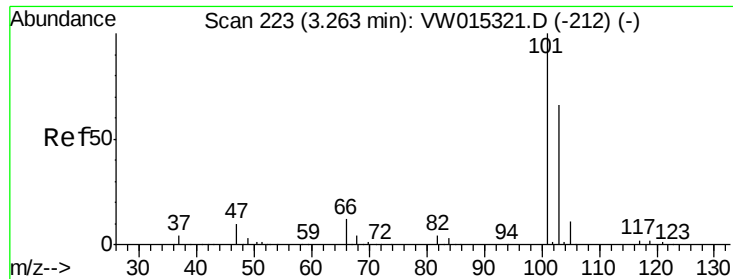
66 32.6 25.8 38.6



Abundance Ion 63.90 (63.60 to 64.60): VW

Ion 65.90 (65.60 to 66.60): VW





#7

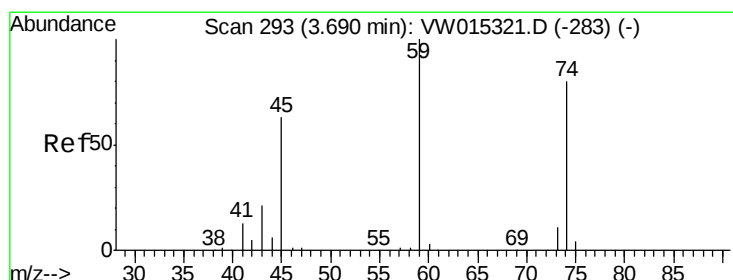
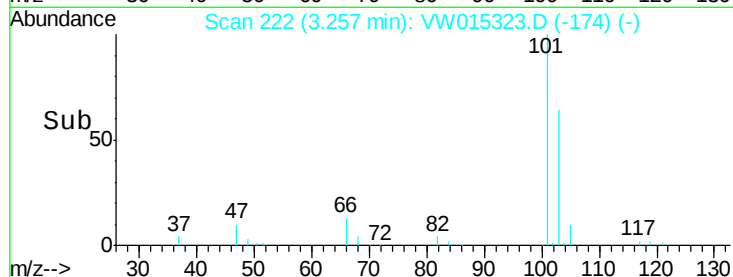
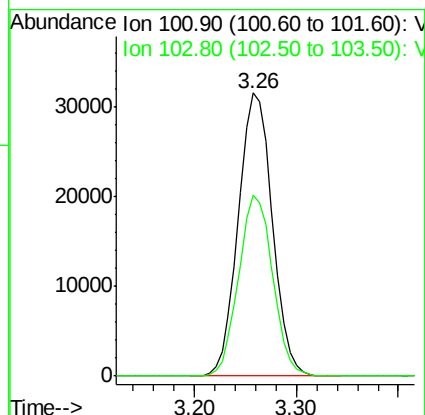
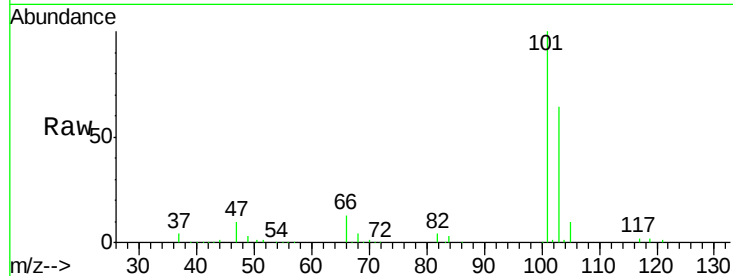
Trichlorofluoromethane
Concen: 22.006 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015323.D
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Tot Ion:101 Resp: 73112
Ion Ratio Lower Upper
101 100
103 63.9 51.3 76.9

Manual Integrations
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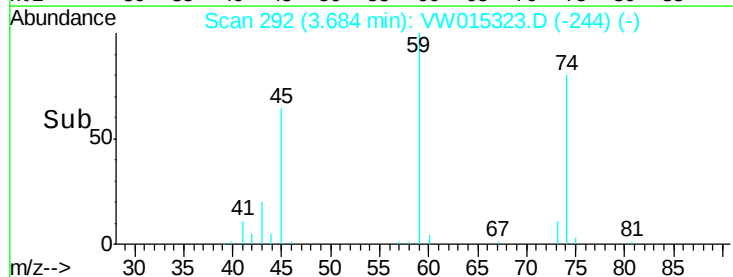
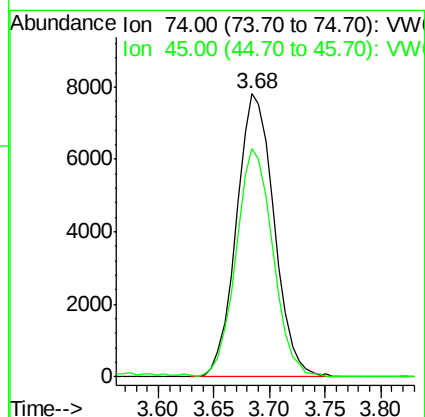
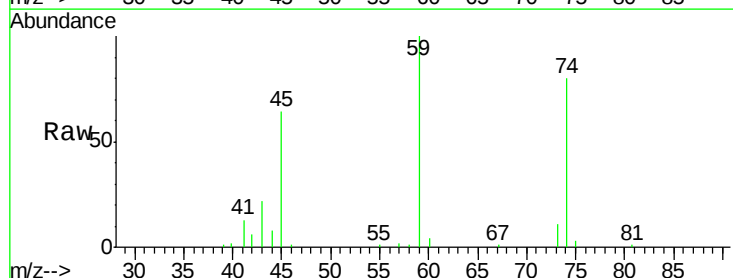
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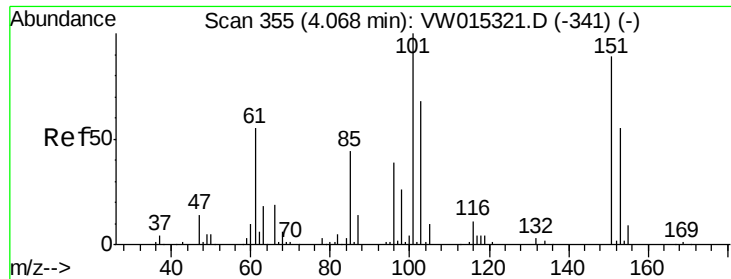


#8

Diethyl Ether
Concen: 19.635 ug/l
RT: 3.68 min Scan# 292
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 74 Resp: 18310
Ion Ratio Lower Upper
74 100
45 79.0 45.5 136.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 22.381 ug/l

RT: 4.06 min Scan# 354

Delta R.T. 0.00 min

Lab File: VW015323.D

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Instrument :

MSVOA_W

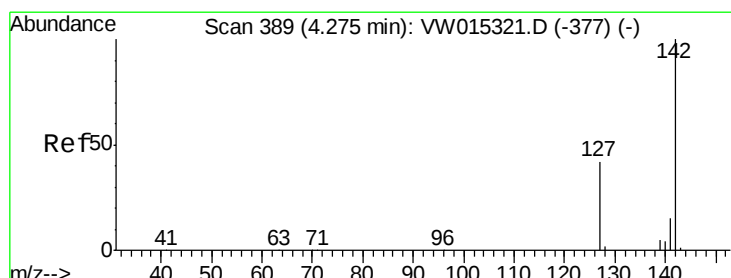
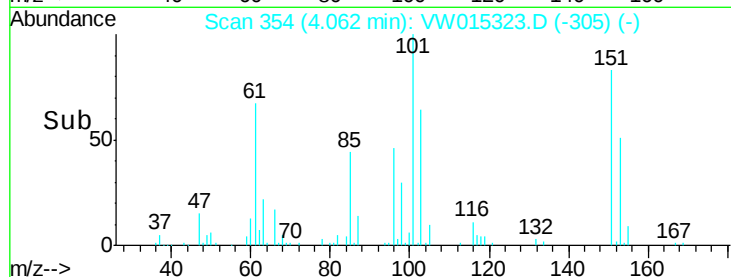
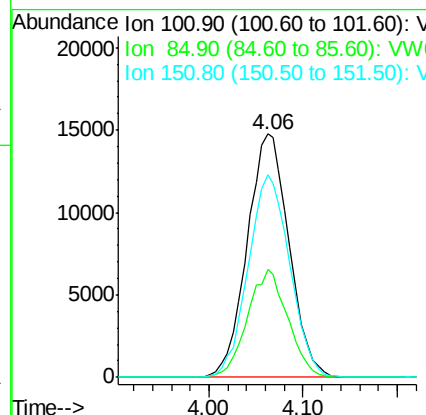
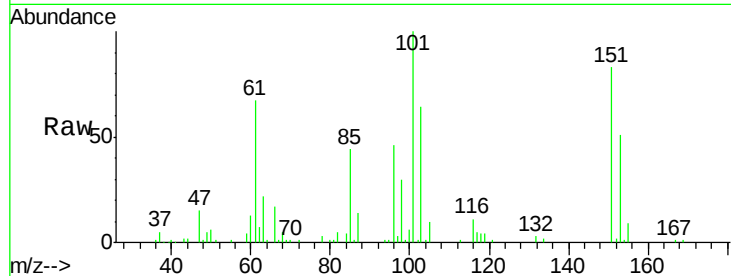
ClientSampleId :

VW0423SBS01

Tot Ion:	101	Resp:	45853
Ion Ratio	Lower	Upper	
101	100		
85	42.6	35.3	52.9
151	82.9	59.3	88.9

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#10

Methyl Iodide

Concen: 17.820 ug/l

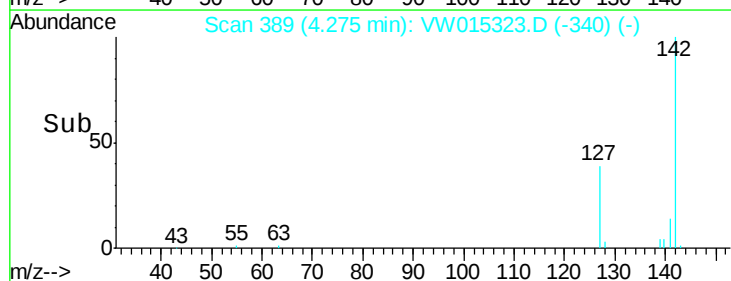
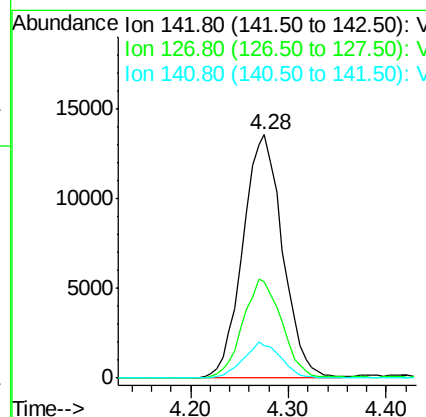
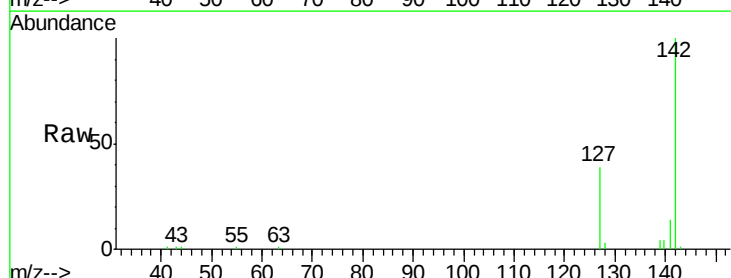
RT: 4.28 min Scan# 389

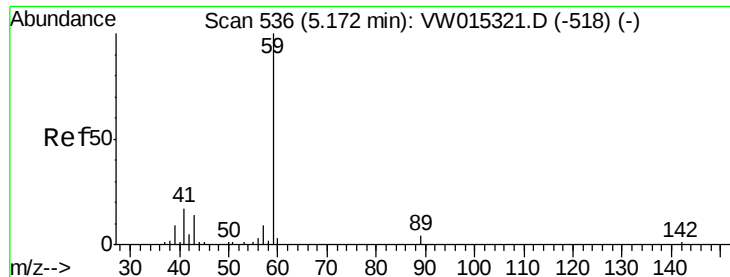
Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	142	Resp:	38346
Ion Ratio	Lower	Upper	
142	100		
127	39.9	33.9	50.9
141	13.9	11.4	17.2





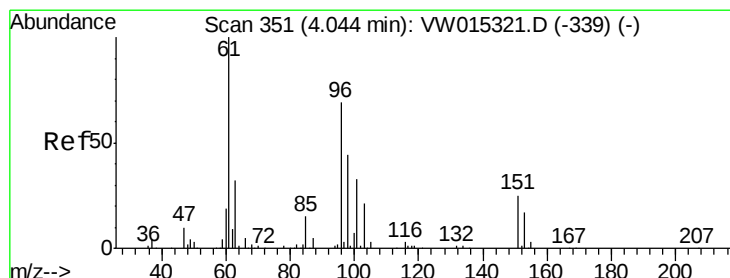
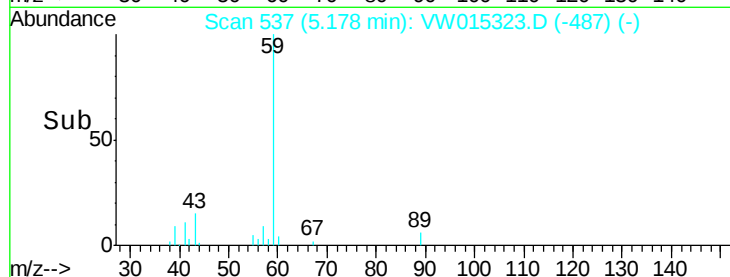
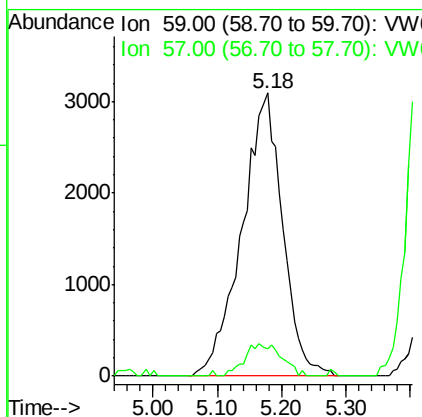
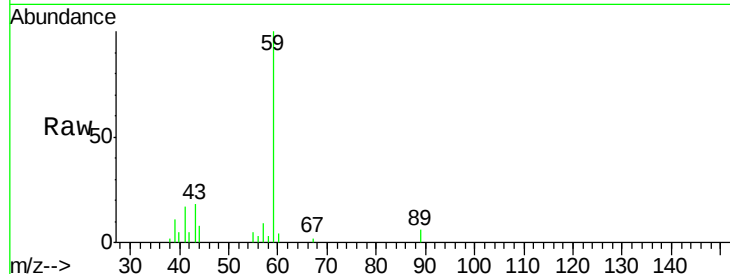
#11
Tert butyl alcohol
Concen: 87.705 ug/l
RT: 5.18 min Scan# 537
Delta R.T. 0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.4	12.6

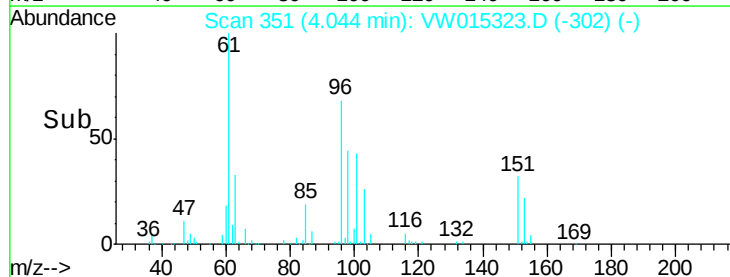
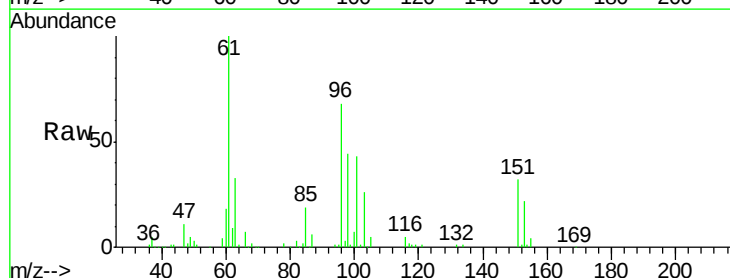
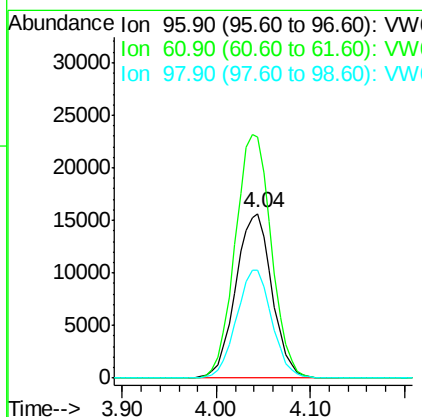
Manual Integrations
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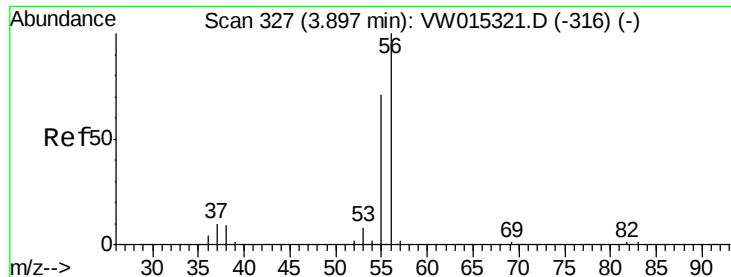
MMDadoda
4/24/2020 1:32:44 PM



#12
1,1-Dichloroethene
Concen: 21.309 ug/l
RT: 4.04 min Scan# 351
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
96	100		
61	147.1	127.0	190.4
98	65.3	51.0	76.4





#13

Acrolein

Concen: 121.242 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 56 Resp: 9780

Ion Ratio Lower Upper

56 100

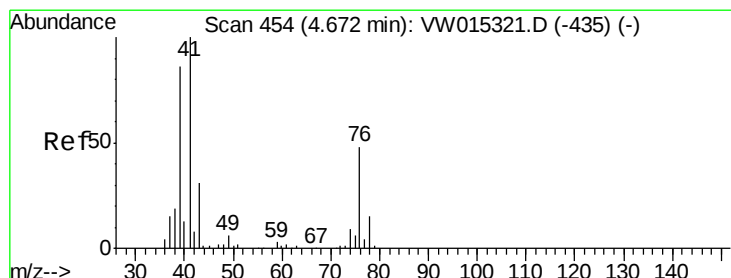
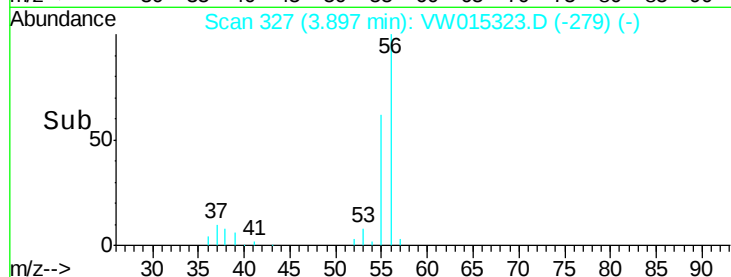
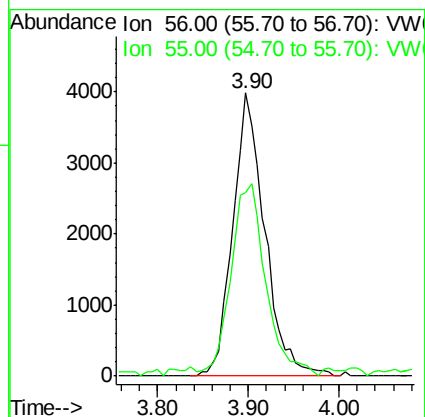
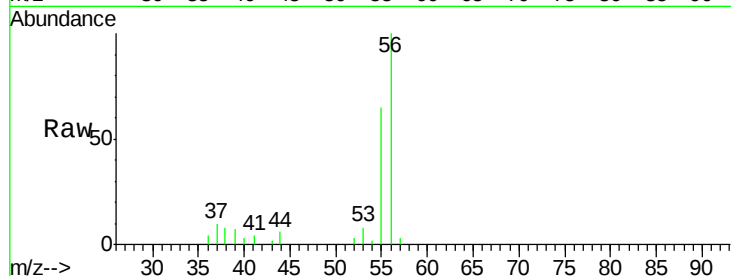
55 74.7 56.2 84.2

Manual Integrations

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#14

Allyl chloride

Concen: 19.599 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

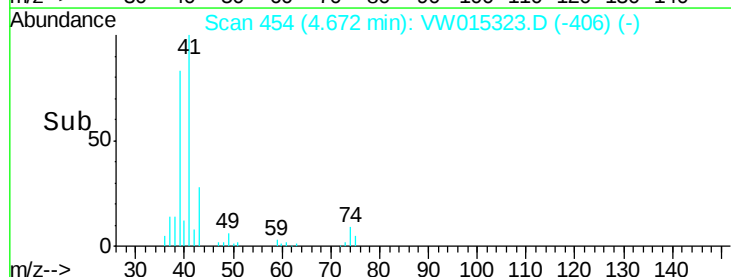
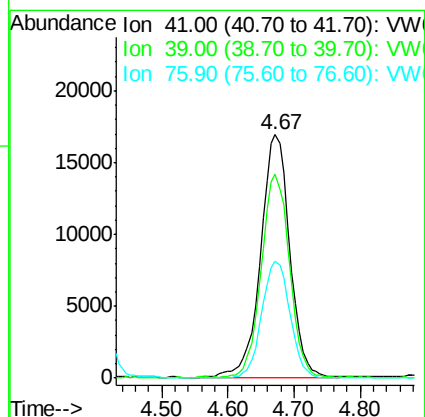
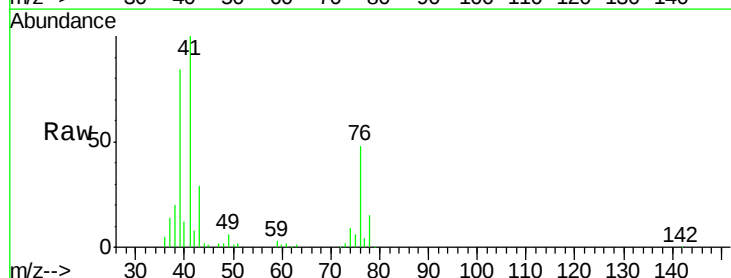
Tgt Ion: 41 Resp: 51274

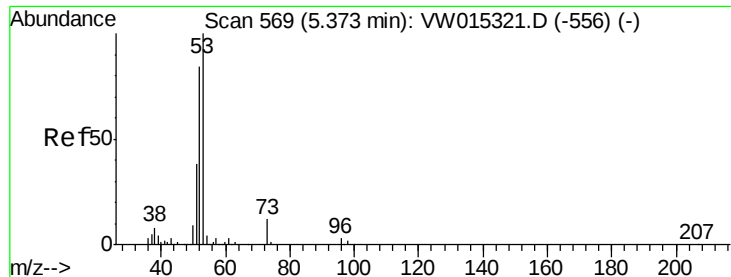
Ion Ratio Lower Upper

41 100

39 82.9 54.0 81.0#

76 46.9 31.8 47.6





#15

Acrylonitrile

Concen: 91.977 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

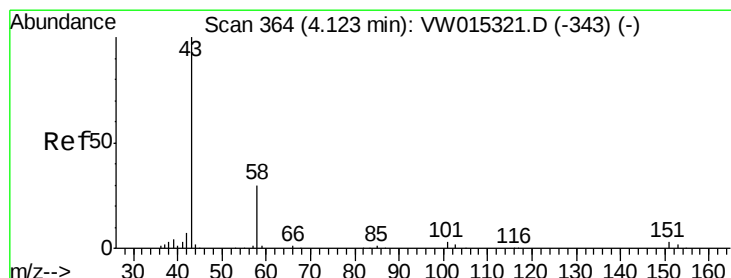
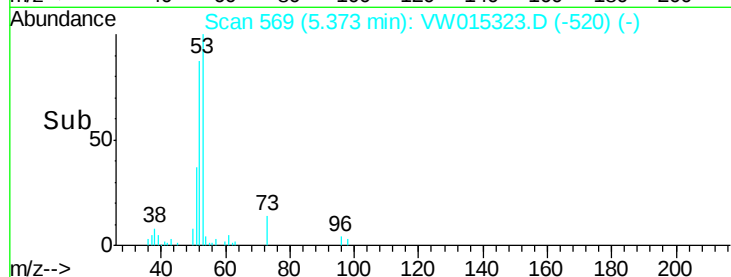
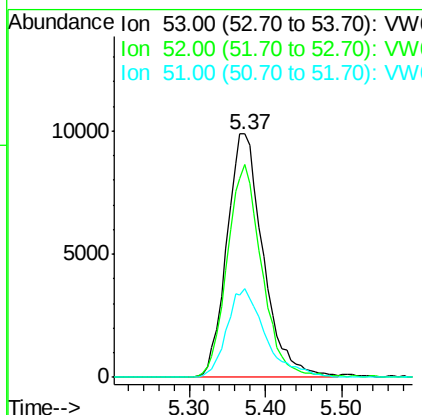
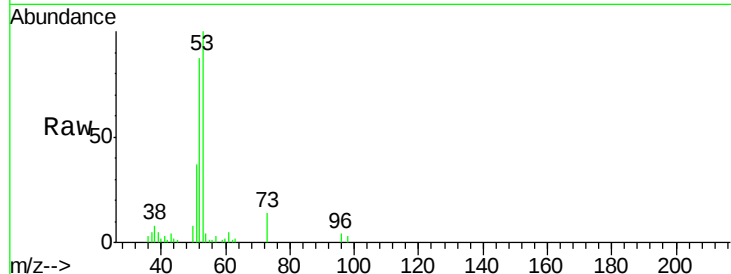
ClientSampleId :

VW0423SBS01

Tot Ion:	53	Resp:	32641
Ion Ratio	Lower	Upper	
53	100		
52	82.7	65.2	97.8
51	38.4	28.2	42.4

Manual Integrations
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#16

Acetone

Concen: 83.322 ug/l

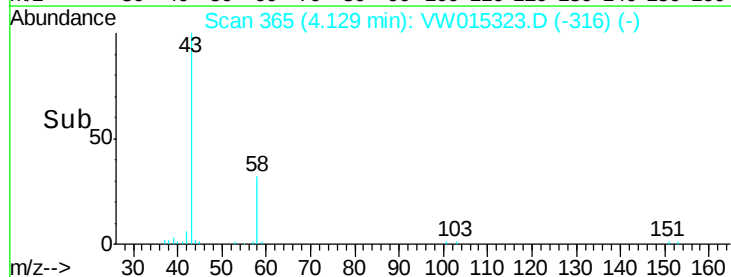
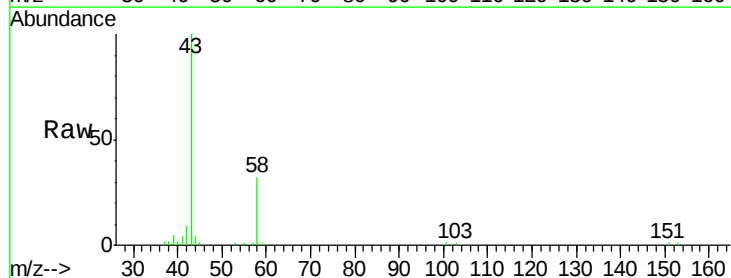
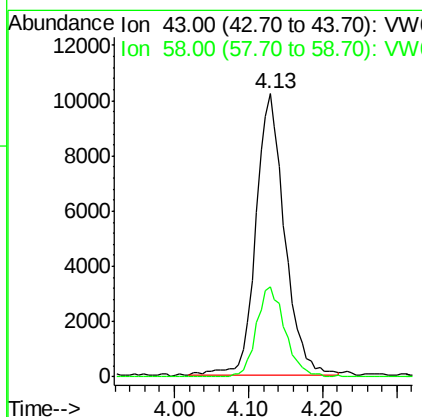
RT: 4.13 min Scan# 365

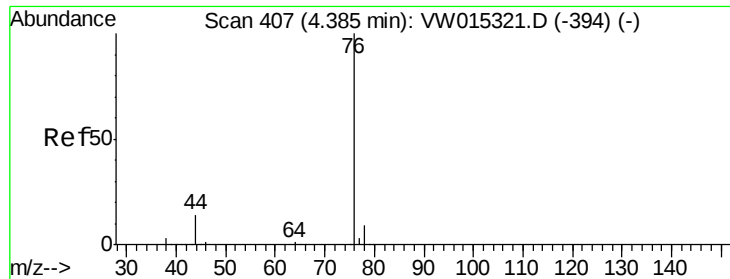
Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	43	Resp:	27515
Ion Ratio	Lower	Upper	
43	100		
58	31.9	27.0	40.4





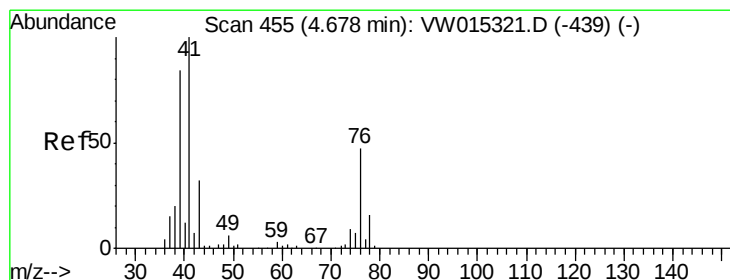
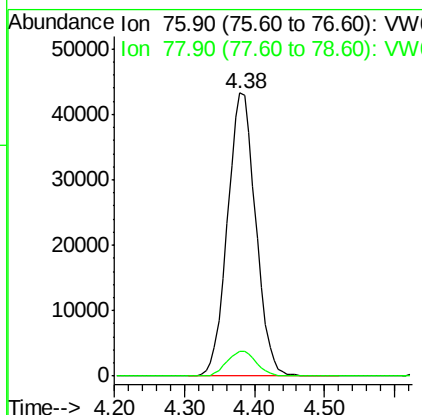
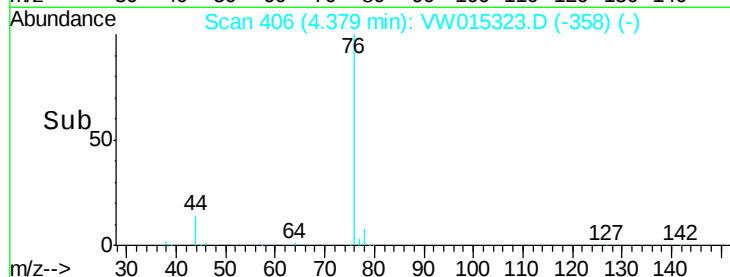
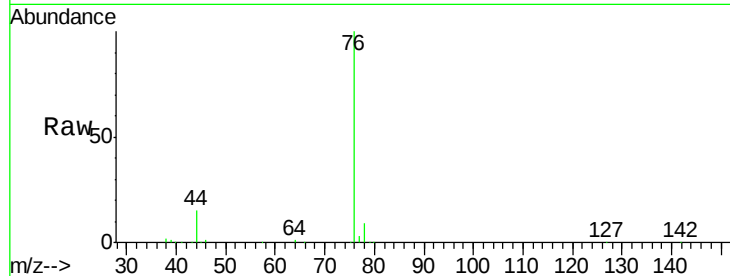
#17
Carbon Disulfide
Concen: 20.652 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 76 Resp: 121027
Ion Ratio Lower Upper
76 100
78 8.9 7.0 10.6

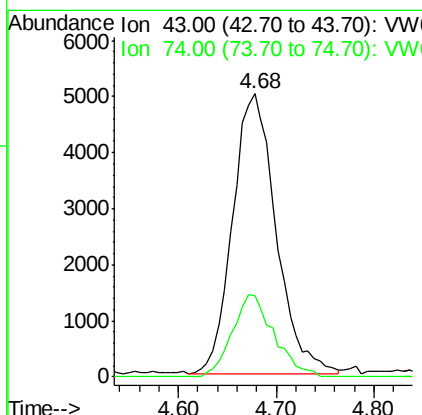
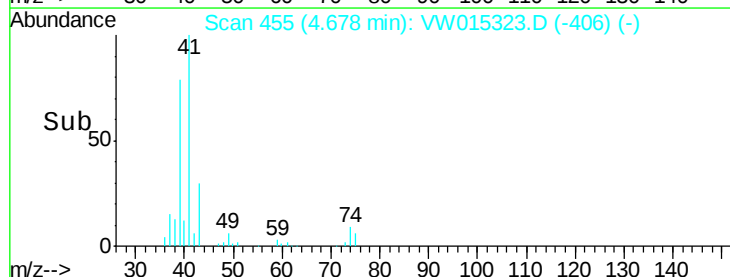
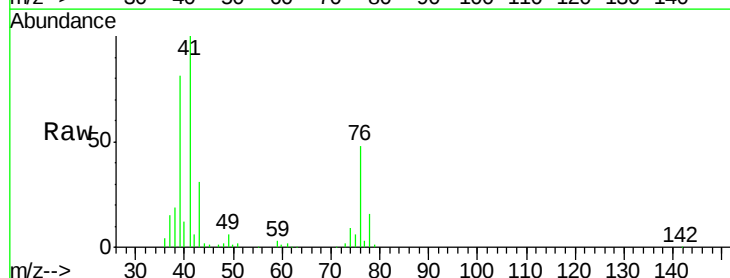
Manual Integrations
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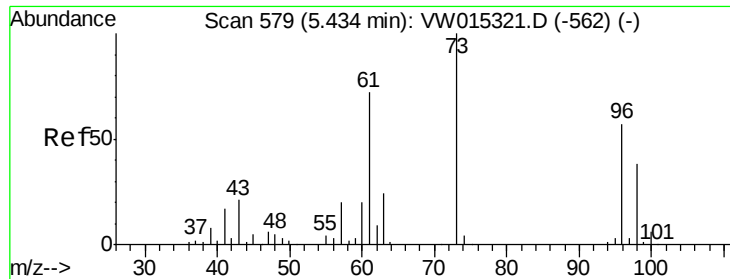
MMDadoda
4/24/2020 1:32:44 PM



#18
Methyl Acetate
Concen: 17.624 ug/l
RT: 4.68 min Scan# 455
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 43 Resp: 15405
Ion Ratio Lower Upper
43 100
74 28.1 20.6 31.0





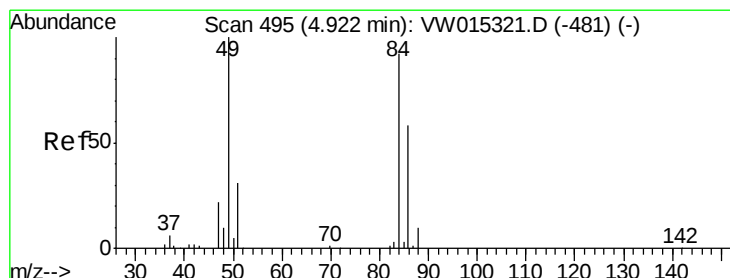
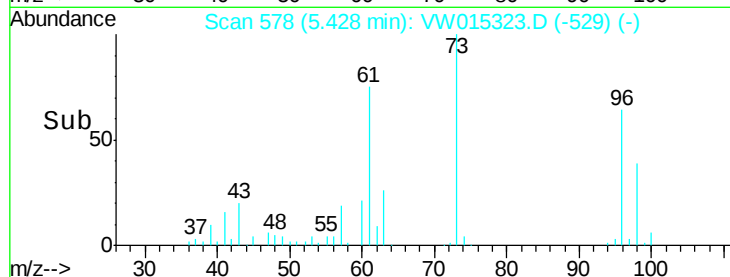
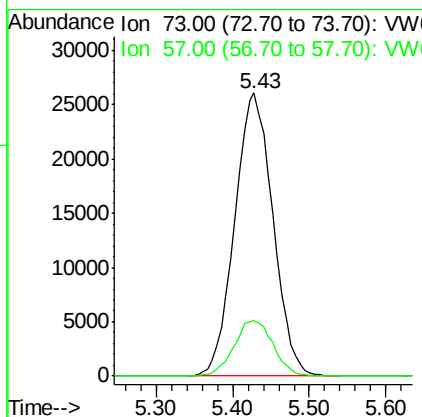
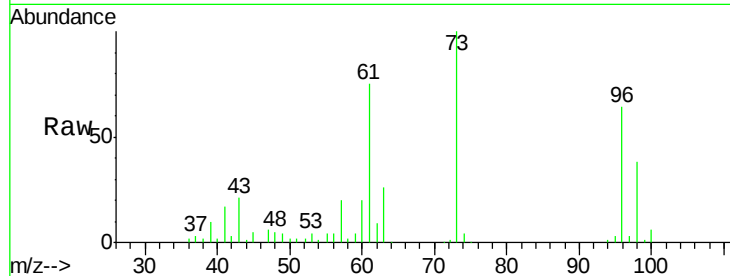
#19
Methvl tert-butvl Ether
Concen: 19.963 ug/l
RT: 5.43 min Scan# 578
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 73 Resp: 90372
Ion Ratio Lower Upper
73 100
57 19.7 17.8 26.6

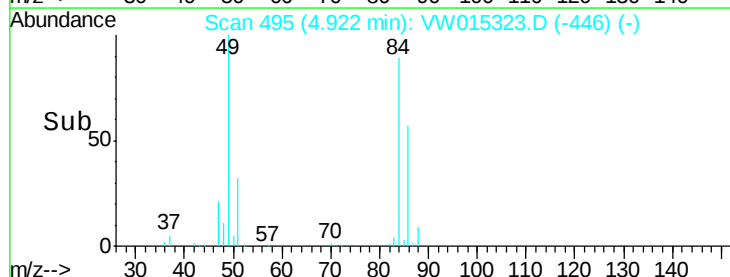
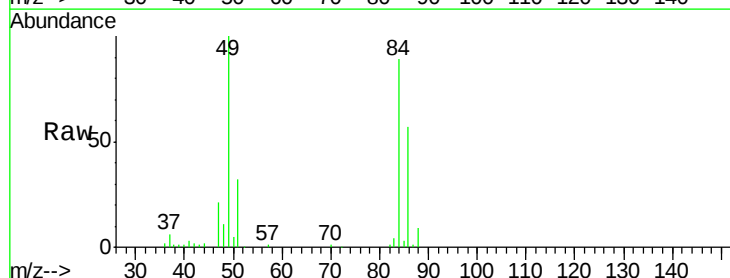
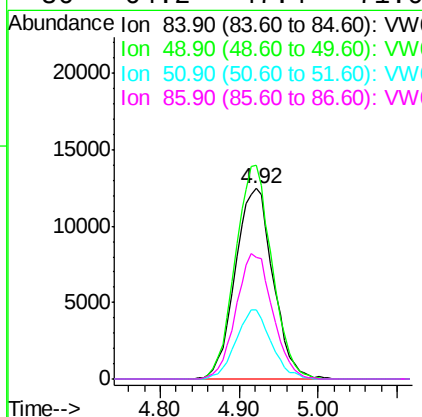
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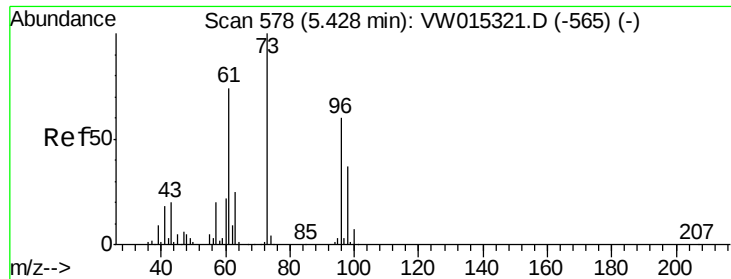
MMDadoda
4/24/2020 1:32:44 PM



#20
Methylene Chloride
Concen: 19.192 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 84 Resp: 41536
Ion Ratio Lower Upper
84 100
49 112.2 95.4 143.0
51 36.2 29.8 44.8
86 64.2 47.4 71.0





#21

trans-1,2-Dichloroethene

Concen: 21.545 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

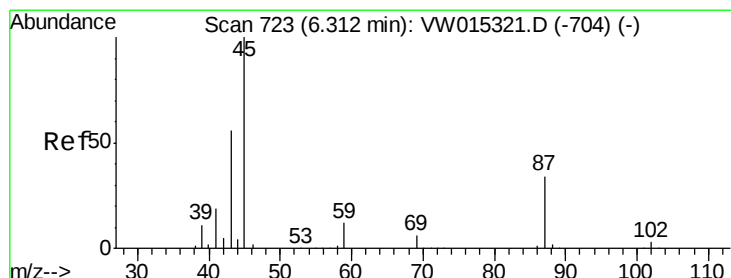
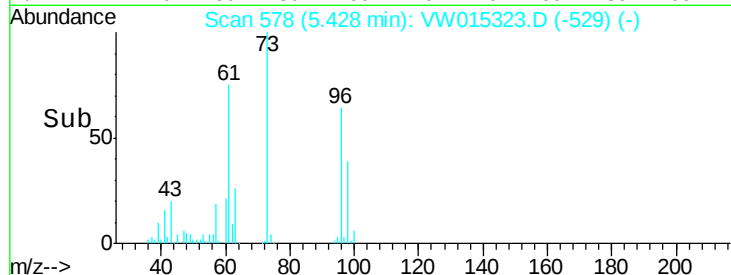
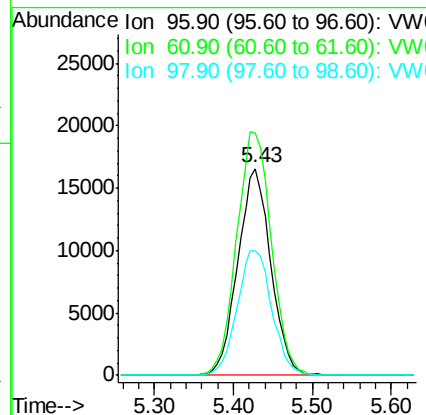
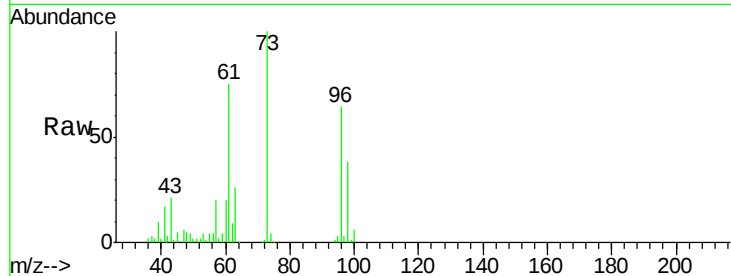
ClientSampleId :

VW0423SBS01

Tot Ion:	96	Resp:	48187
Ion	Ratio	Lower	Upper
96	100		
61	117.4	107.8	161.6
98	60.6	50.2	75.2

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#22

Diisopropyl ether

Concen: 20.108 ug/l

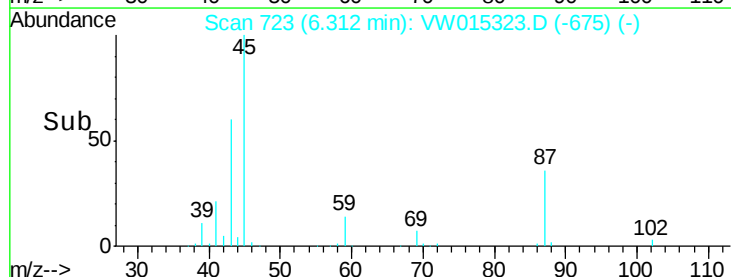
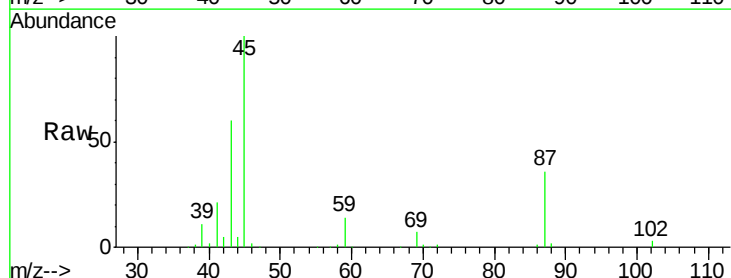
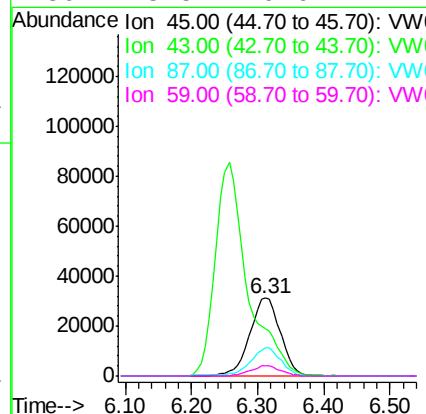
RT: 6.31 min Scan# 723

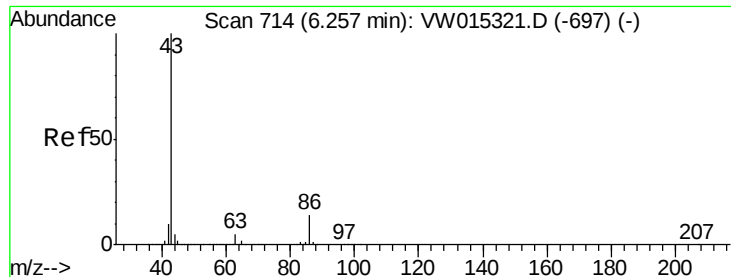
Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	45	Resp:	100915
Ion	Ratio	Lower	Upper
45	100		
43	59.4	41.8	62.6
87	35.6	23.2	34.8#
59	13.5	9.6	14.4





#23

Vinyl Acetate

Concen: 98.468 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 43 Resp: 290001

Ion Ratio Lower Upper

43 100

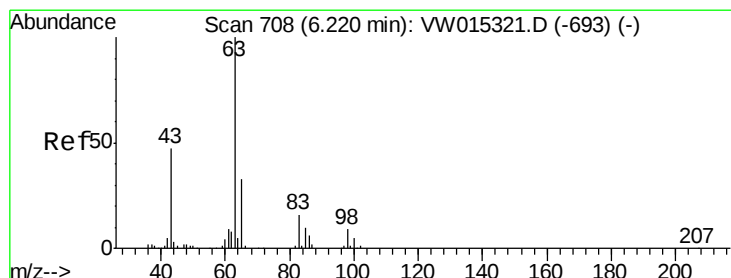
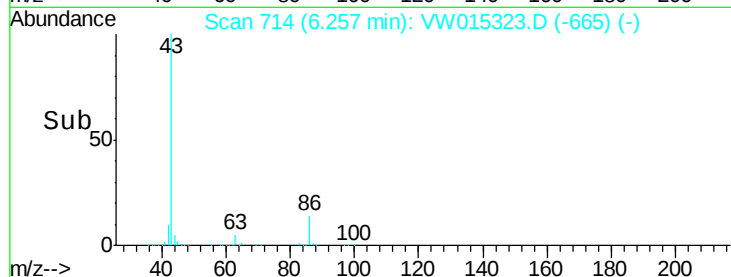
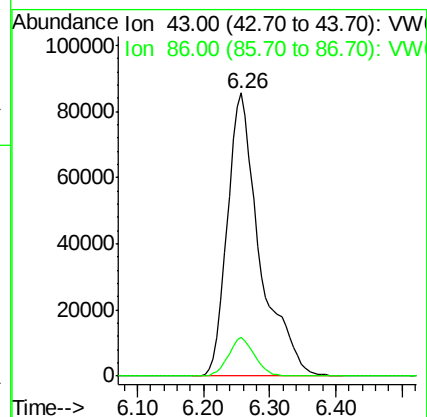
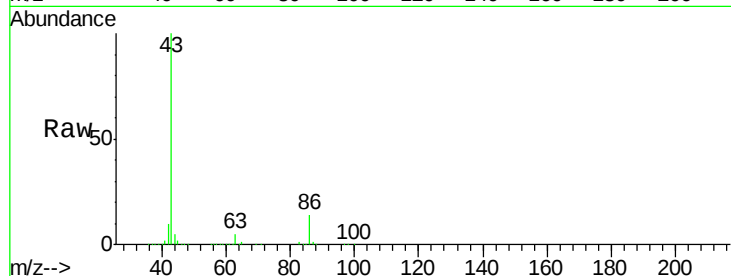
86 13.6 9.1 13.7

Manual Integrations

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4/24/2020 1:32:44 PM



#24

1,1-Dichloroethane

Concen: 20.634 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

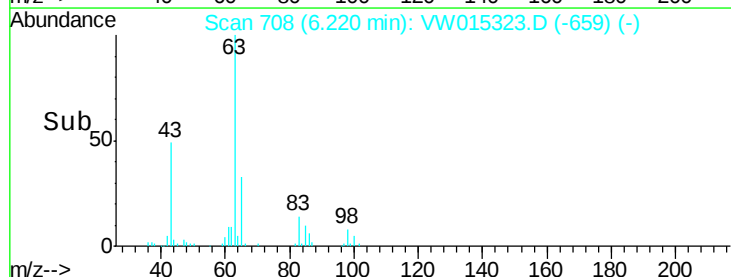
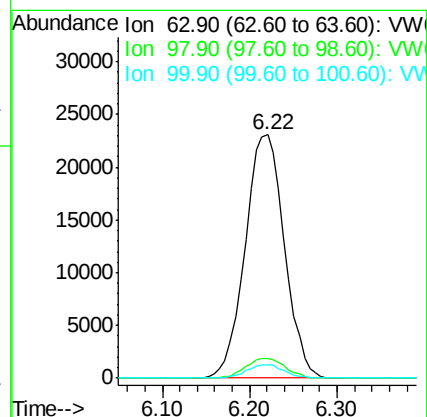
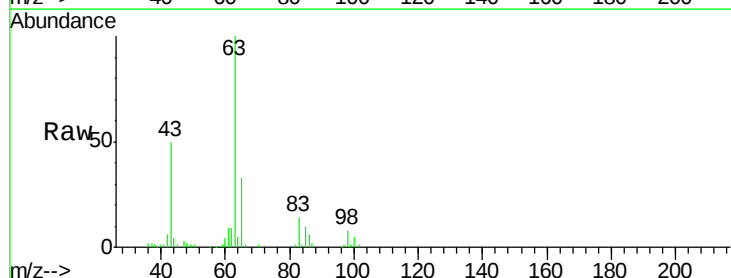
Tgt Ion: 63 Resp: 71770

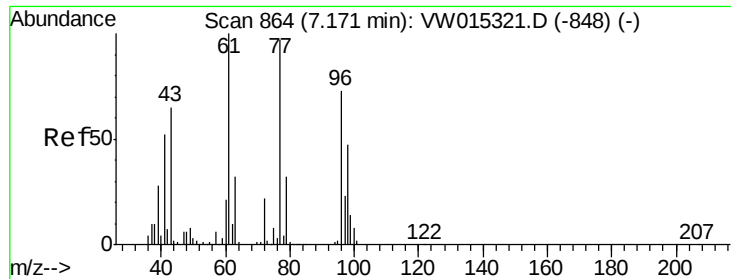
Ion Ratio Lower Upper

63 100

98 7.9 3.6 10.9

100 5.4 2.4 7.2





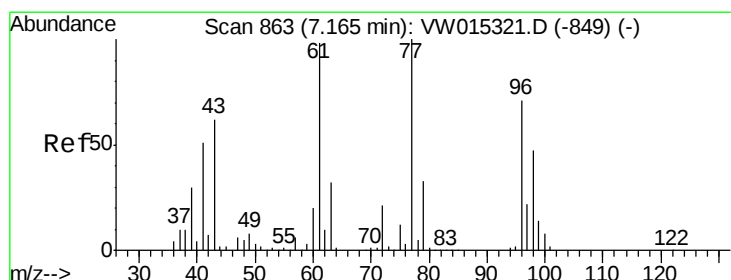
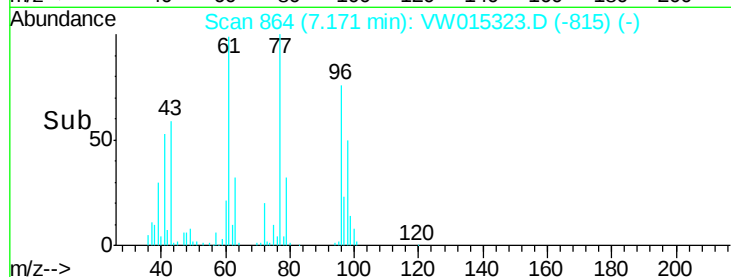
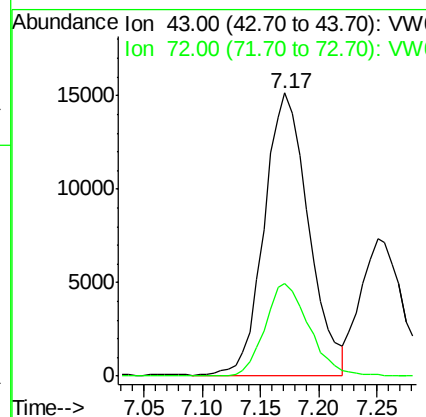
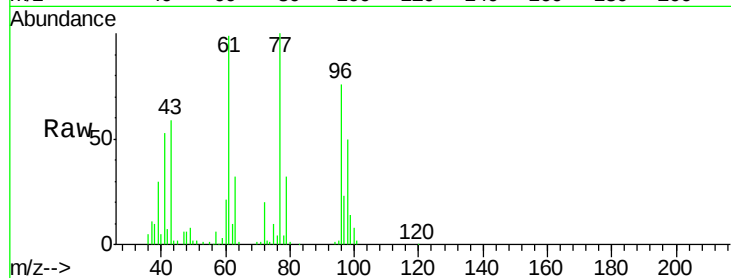
#25
2-Butanone
Concen: 91.763 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 43 Resp: 40203
Ion Ratio Lower Upper
43 100
72 33.0 21.6 32.4#

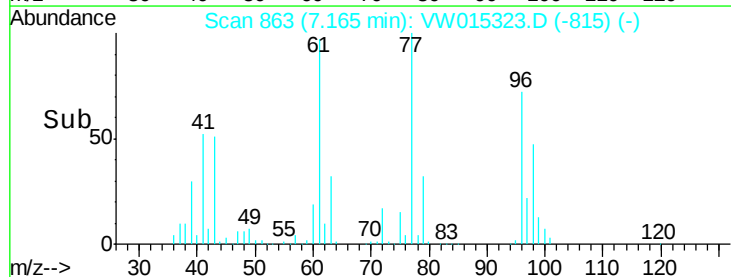
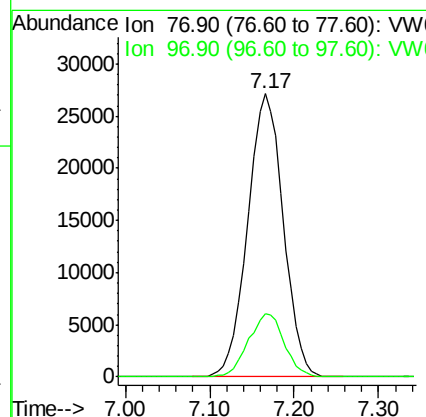
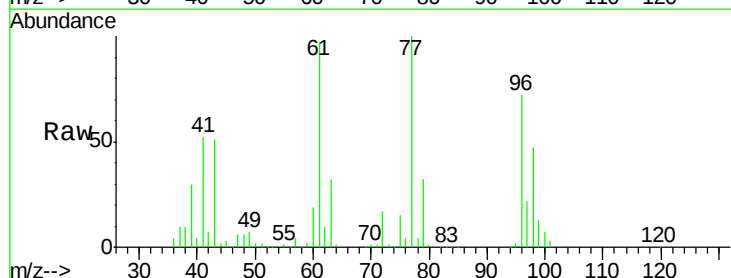
Manual Integrations
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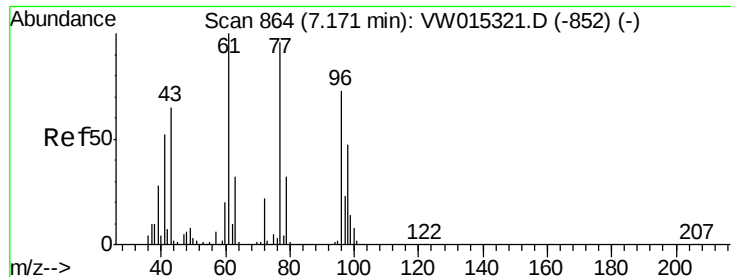
MMDadoda
4/24/2020 1:32:44 PM



#26
2,2-Dichloropropane
Concen: 21.235 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 77 Resp: 77703
Ion Ratio Lower Upper
77 100
97 22.5 11.9 35.5





#27

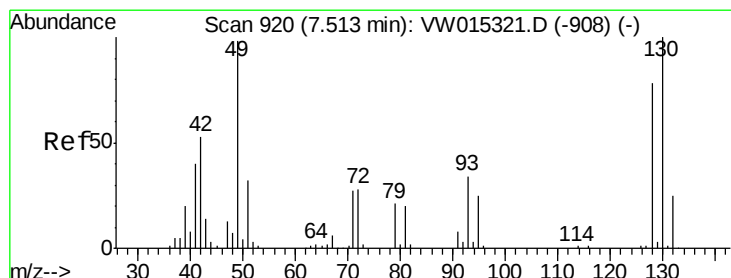
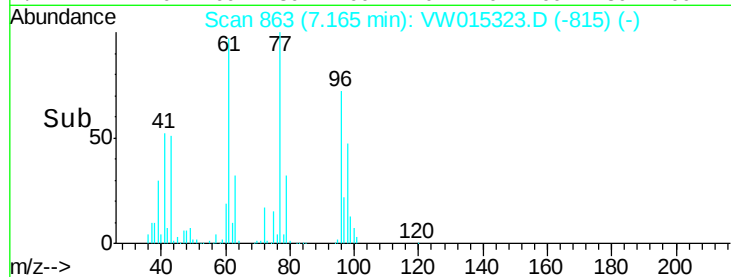
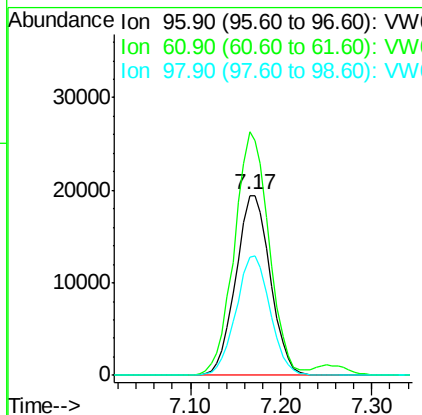
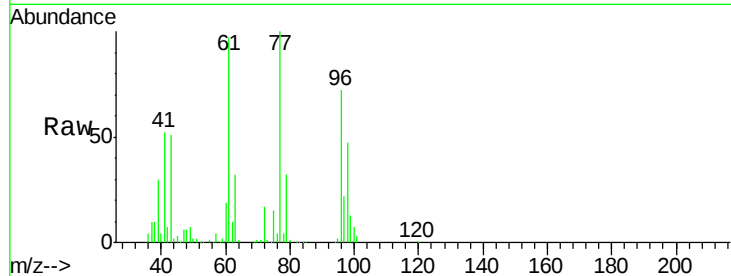
cis-1,2-Dichloroethene
Concen: 21.264 ug/l
RT: 7.17 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	135.7	0.0	275.0
98	65.6	0.0	130.8

Manual Integrations
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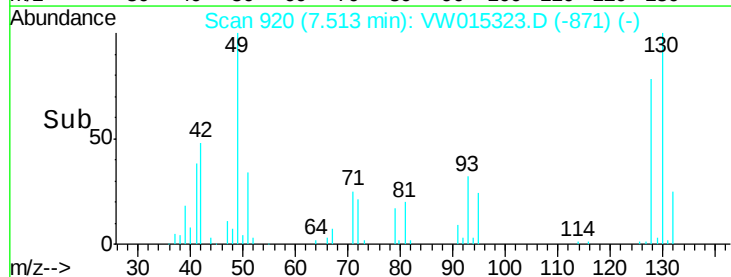
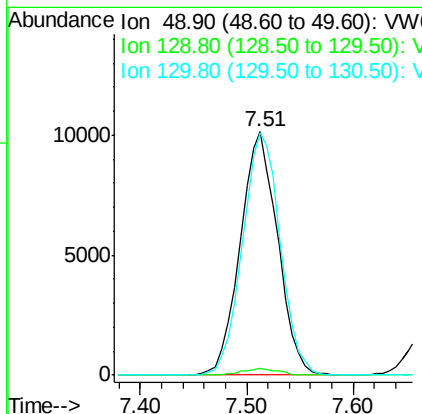
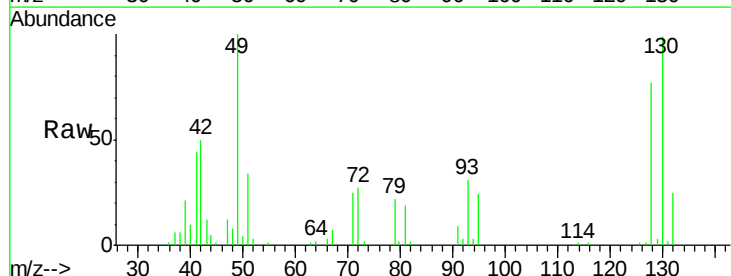
MMDadoda
4/24/2020 1:32:44 PM

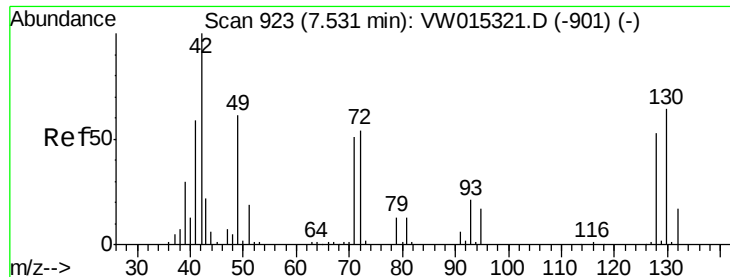


#28

Bromochloromethane
Concen: 19.722 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
49	100		
129	2.5	0.0	4.6
130	100.5	60.9	91.3#





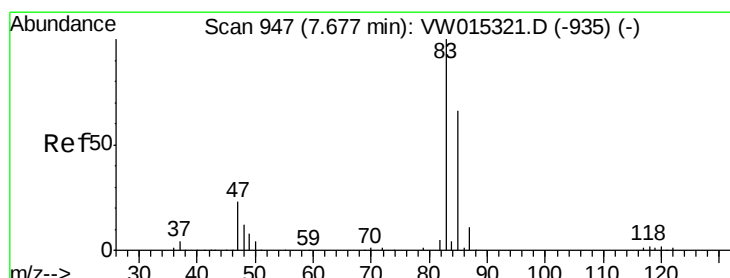
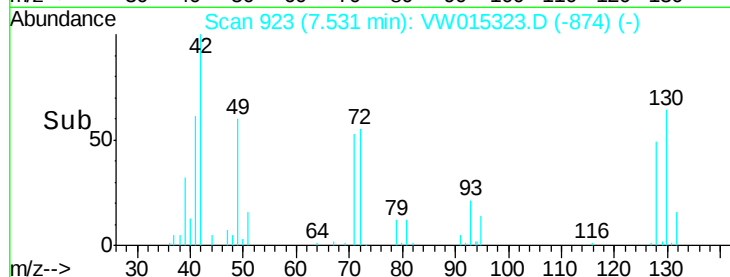
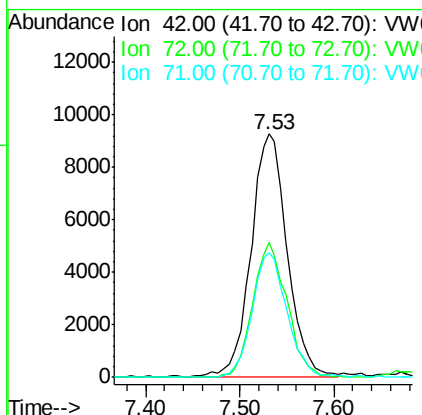
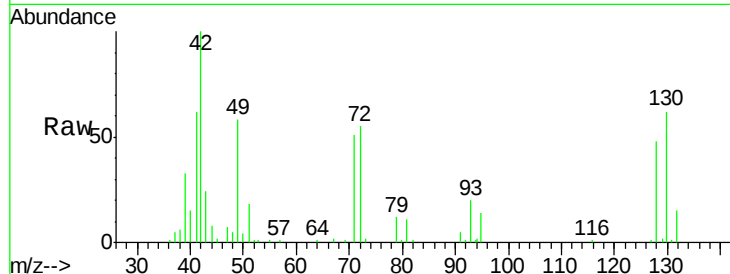
#29
Tetrahydrofuran
Concen: 91.752 ug/l
RT: 7.53 min Scan# 923
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	52.3	36.2	54.2
71	49.3	34.2	51.4

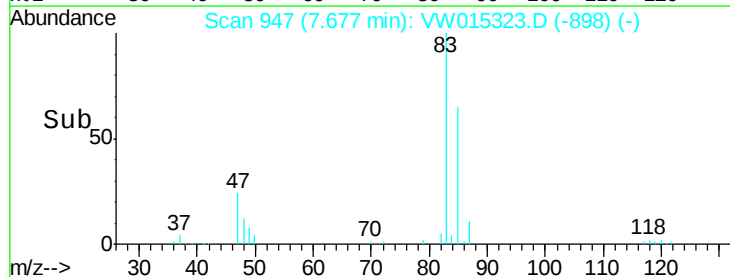
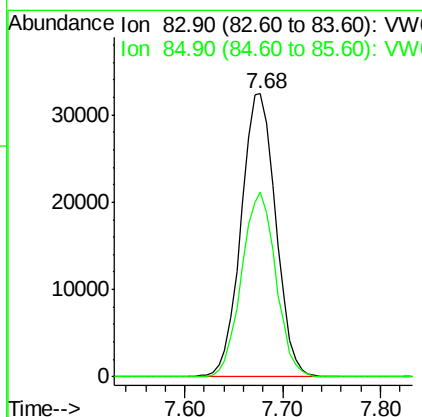
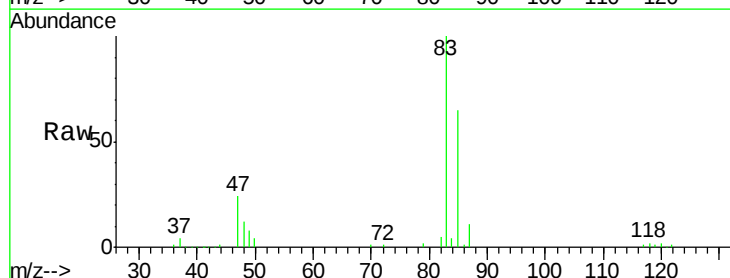
Manual Integrations
APPROVED

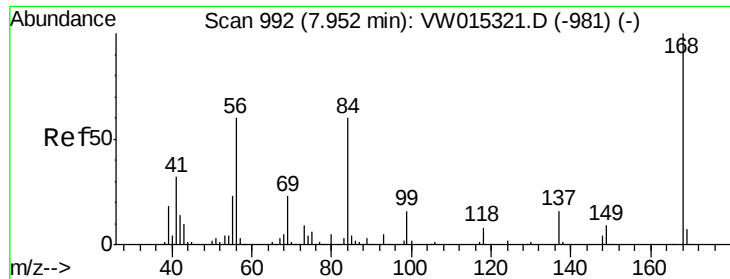
MMDadoda
4/24/2020 1:32:44 PM



#30
Chloroform
Concen: 21.255 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3





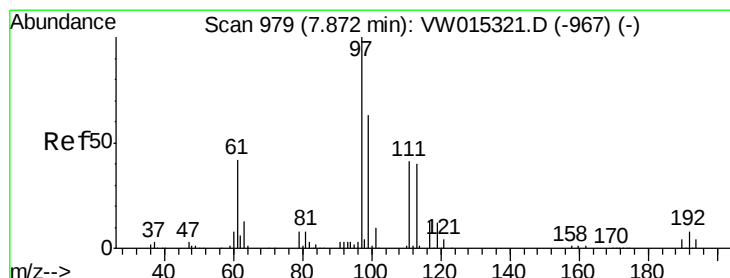
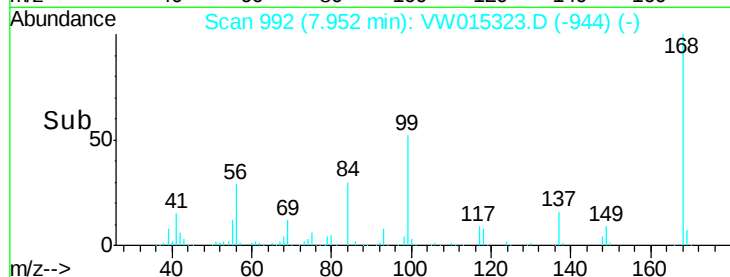
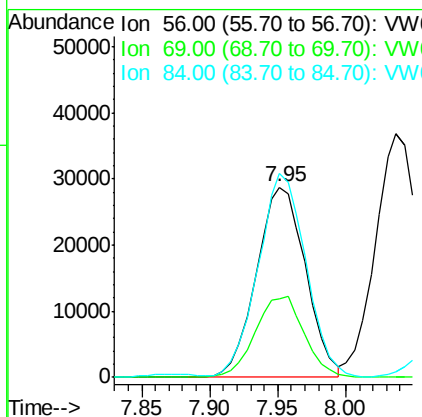
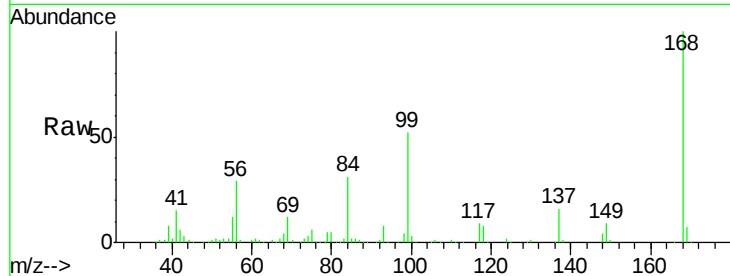
#31
Cyclohexane
Concen: 20.807 ug/l
RT: 7.95 min Scan# 992
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
56	100		
69	41.1	27.1	40.7#
84	105.7	71.9	107.9

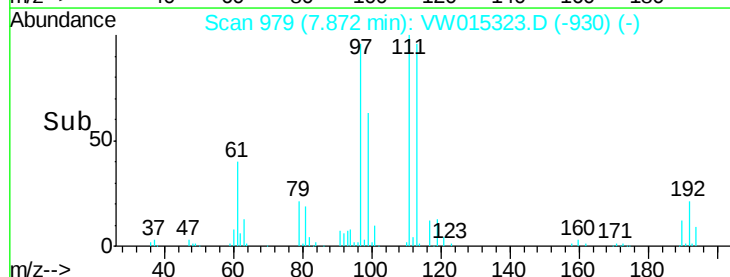
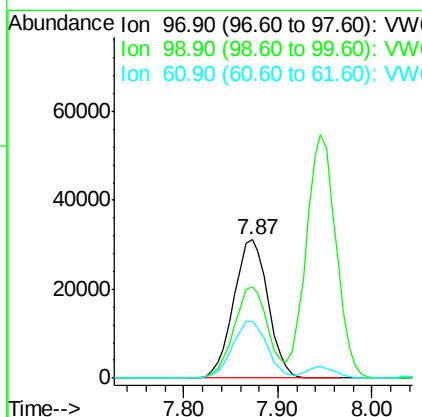
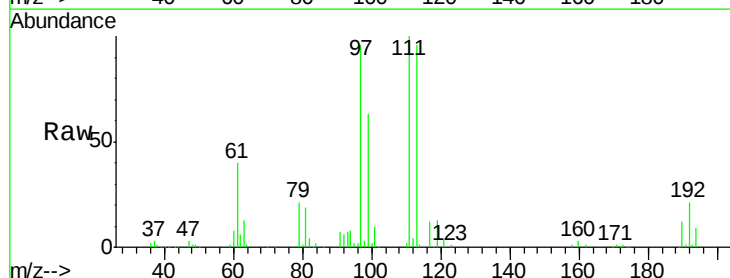
Manual Integrations
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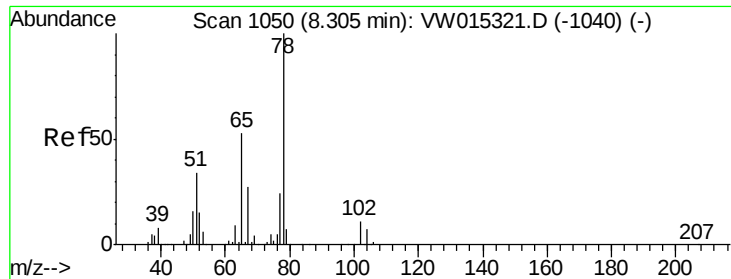
MMDadoda
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#32
1,1,1-Trichloroethane
Concen: 21.969 ug/l
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.4	52.2	78.2
61	41.4	34.2	51.2





#33

1,2-Dichloroethane-d4

Concen: 50.738 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 65 Resp: 95927

Ion Ratio Lower Upper

65 100

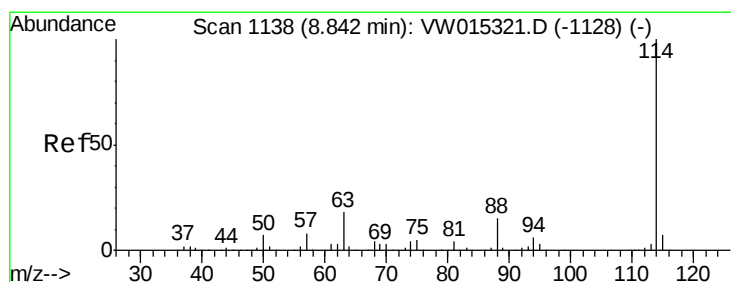
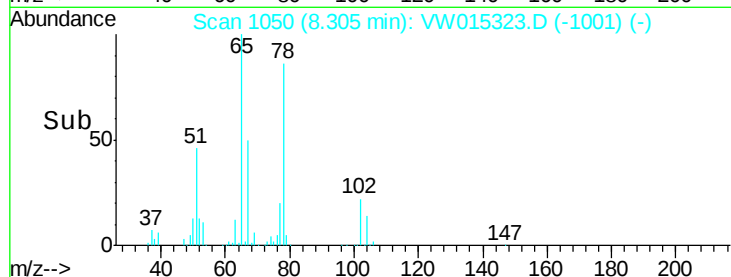
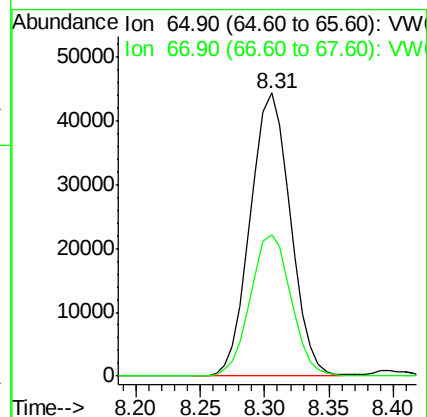
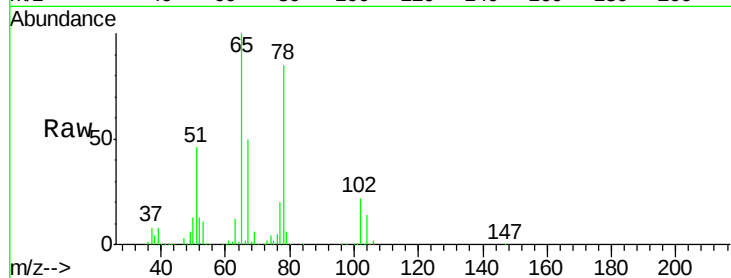
67 50.8 0.0 107.0

Manual Integrations

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.84 min Scan# 1138

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

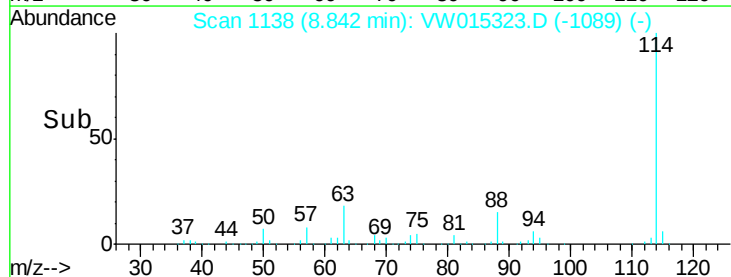
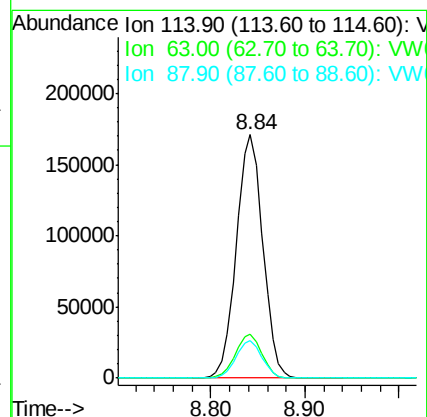
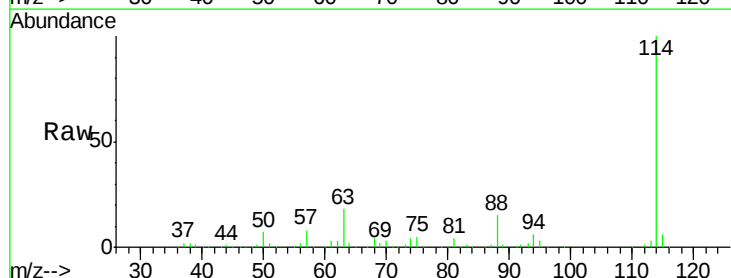
Tgt Ion: 114 Resp: 333732

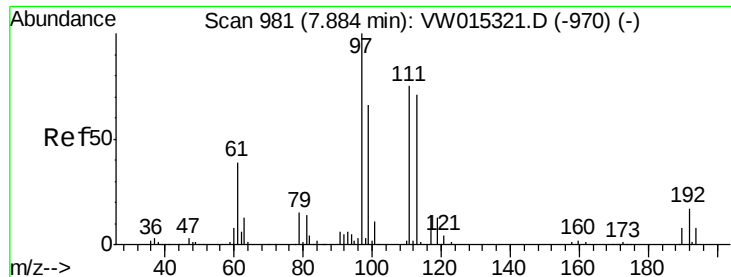
Ion Ratio Lower Upper

114 100

63 17.8 0.0 39.8

88 15.3 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.694 ug/l

RT: 7.88 min Scan# 981

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

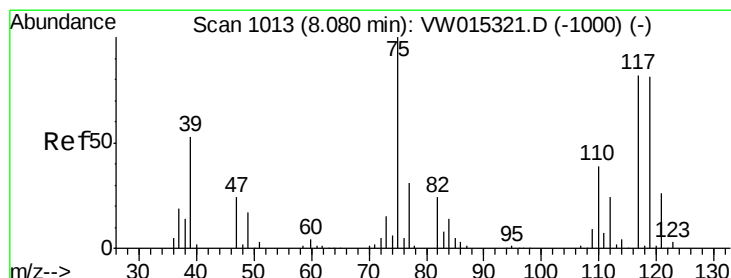
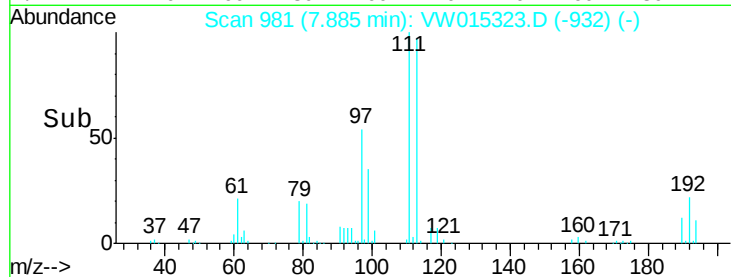
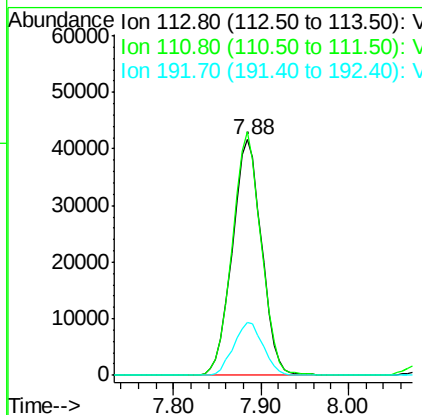
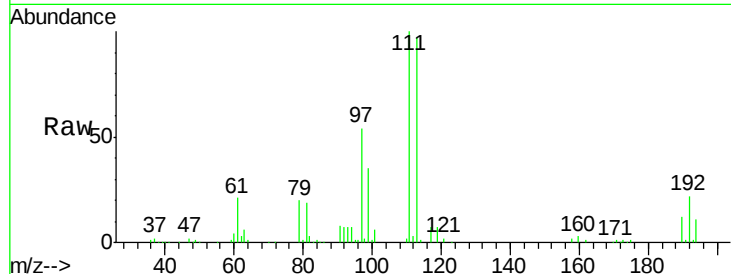
ClientSampleId :

VW0423SBS01

Tot Ion:	113	Resp:	97410
Ion	Ratio	Lower	Upper
113	100		
111	101.3	83.0	124.4
192	22.7	15.1	22.7

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 21.791 ug/l

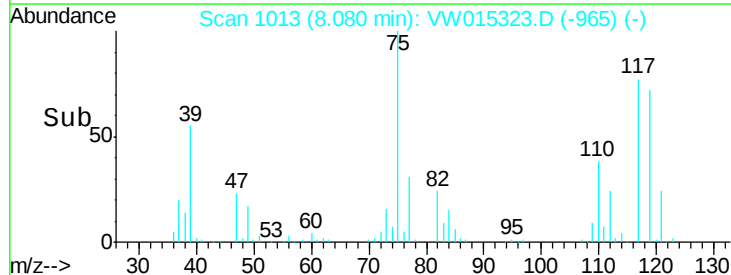
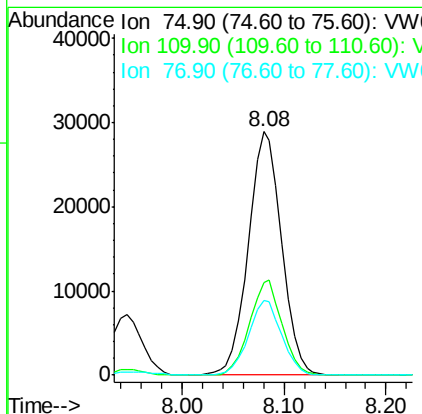
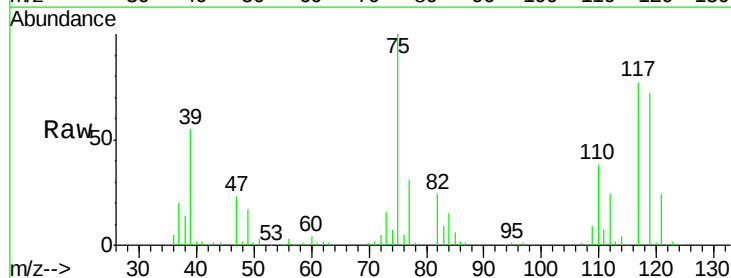
RT: 8.08 min Scan# 1013

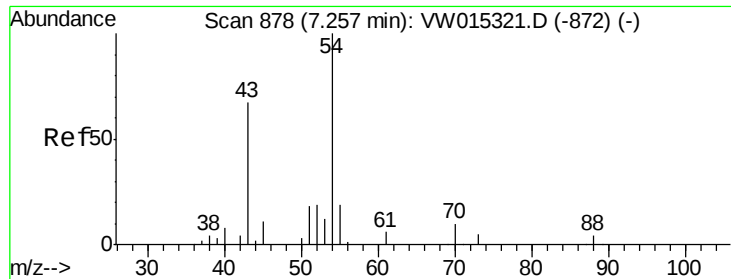
Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	75	Resp:	65639
Ion	Ratio	Lower	Upper
75	100		
110	38.0	18.2	54.6
77	30.8	24.5	36.7





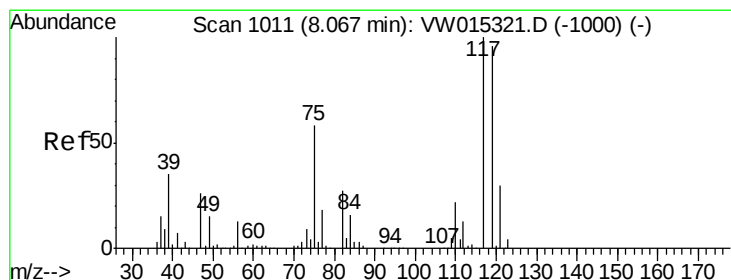
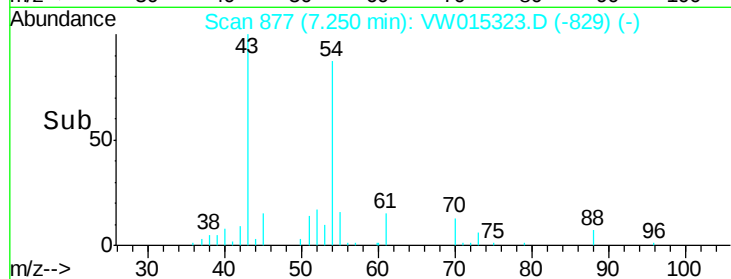
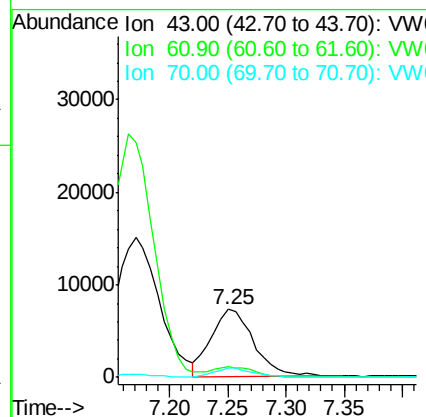
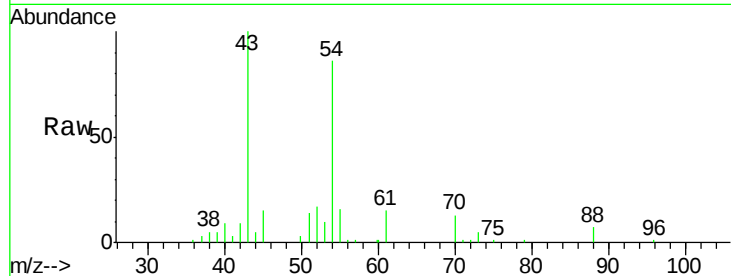
#37
Ethyl Acetate
Concen: 19.058 ug/l
RT: 7.25 min Scan# 877
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	43	61	70
Resp	18630		
Ratio	100	15.6	12.8
Lower		11.9	8.8
Upper		17.9	13.2

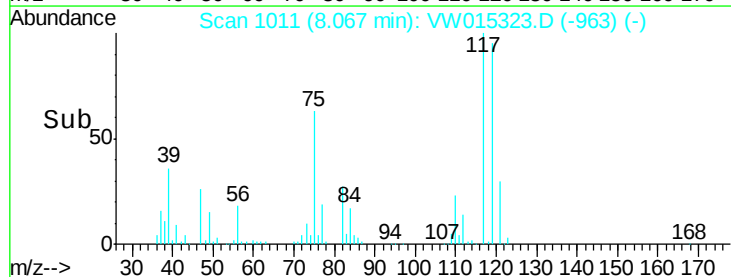
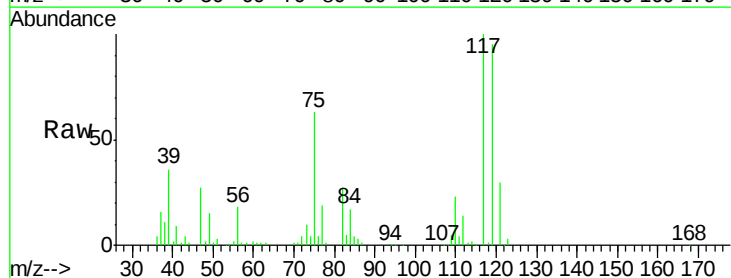
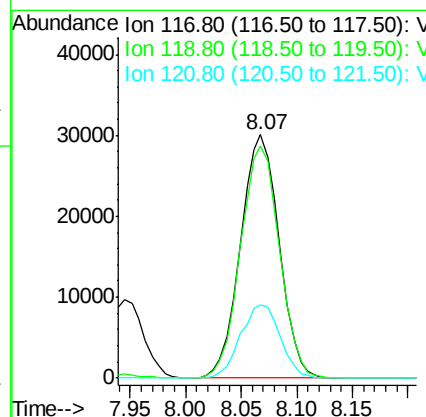
Manual Integrations
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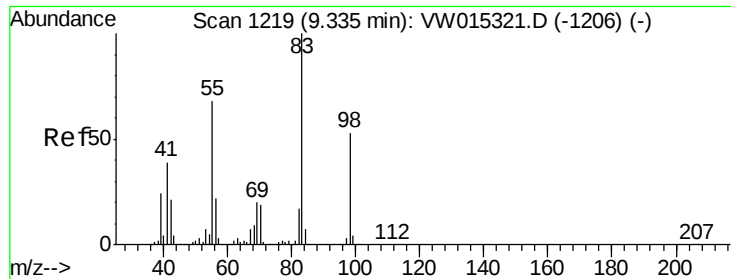
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#38
Carbon Tetrachloride
Concen: 21.987 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	117	119	121
Resp	72374		
Ratio	100	95.2	30.0
Lower		72.3	23.7
Upper		108.5	35.5





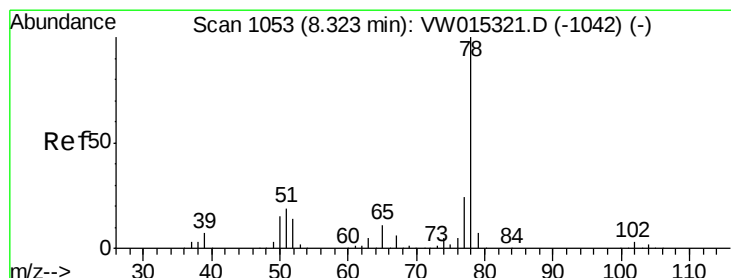
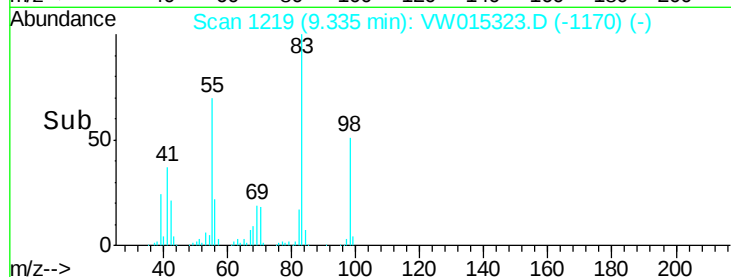
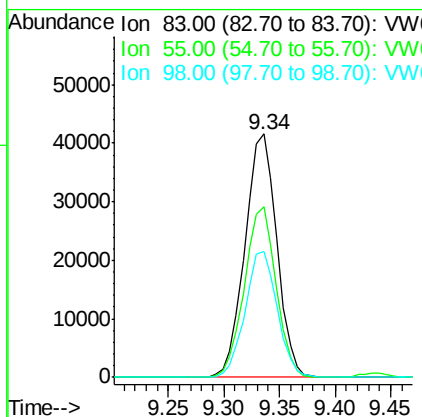
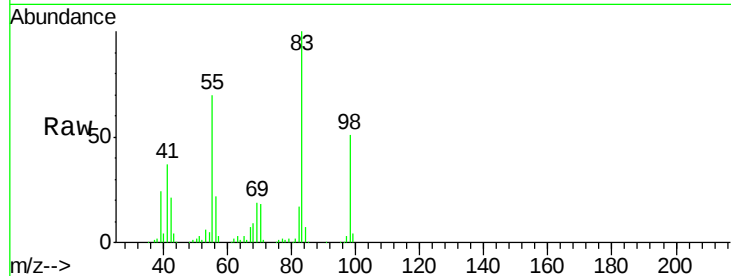
#39
Methvlcvclohexane
Concen: 20.751 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
83	100		
55	70.3	58.1	87.1
98	51.5	40.2	60.4

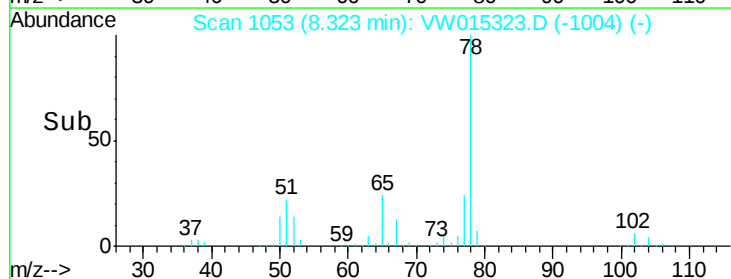
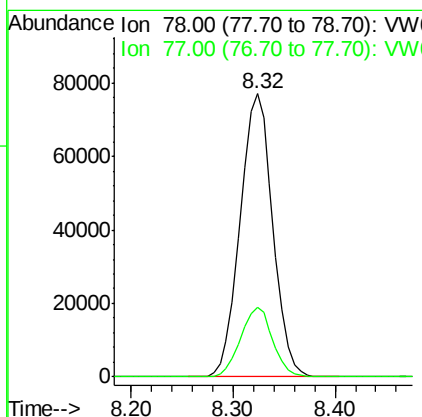
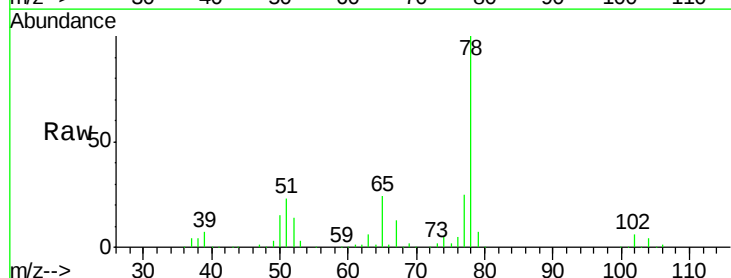
Manual Integrations
APPROVED

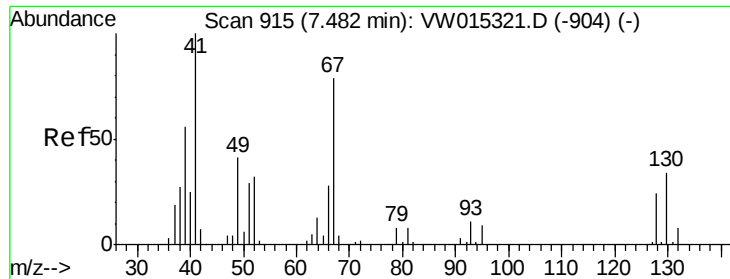
MMDadoda
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#40
Benzene
Concen: 21.234 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.6	18.2	27.2





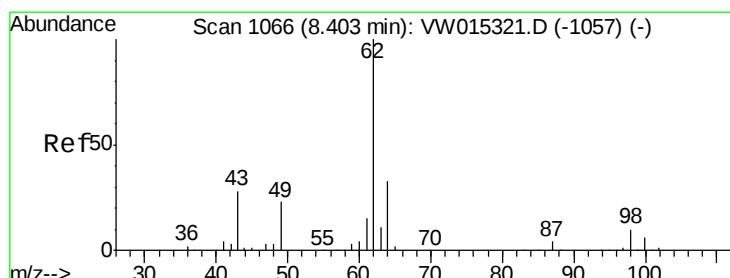
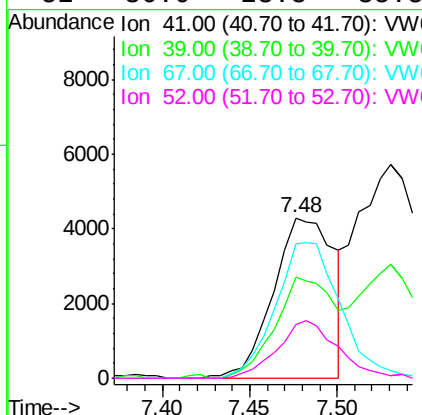
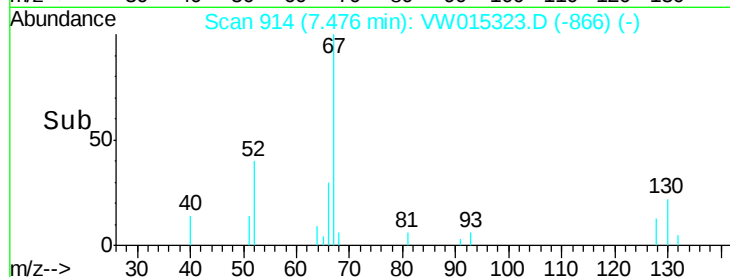
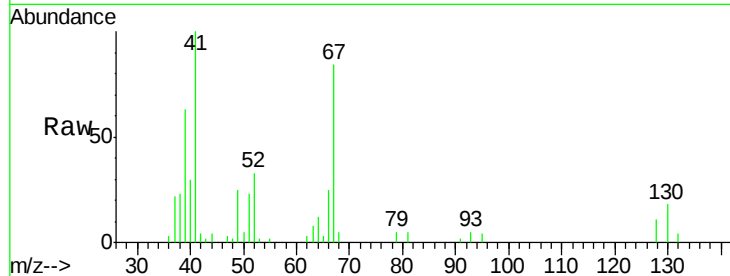
#41
Methacrylonitrile
Concen: 17.651 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
41	100		
39	59.8	41.9	62.9
67	91.0	60.6	91.0#
52	36.0	23.8	35.8#

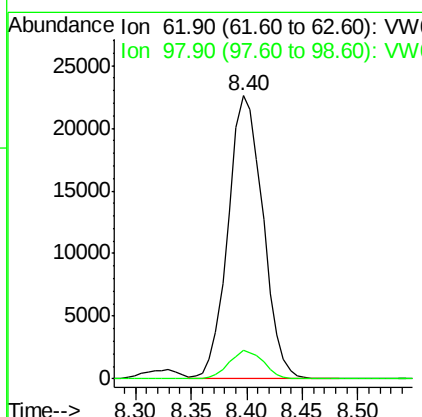
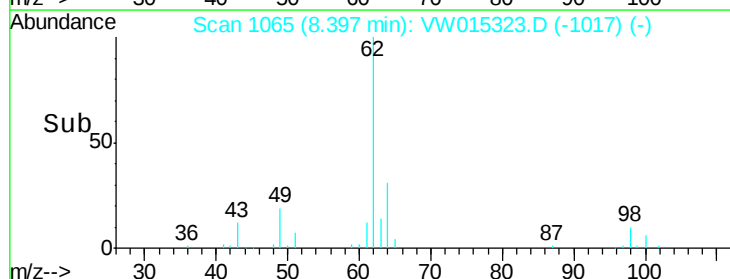
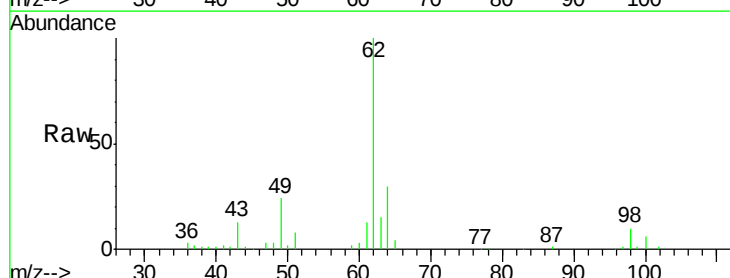
Manual Integrations
APPROVED

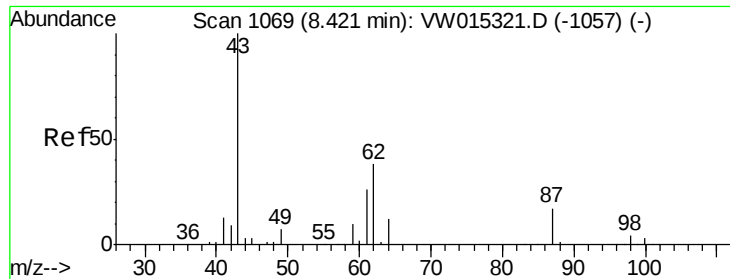
MMDadoda
4/24/2020 1:32:44 PM



#42
1,2-Dichloroethane
Concen: 20.757 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	20.4





#43

Isopropyl Acetate

Concen: 18.608 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

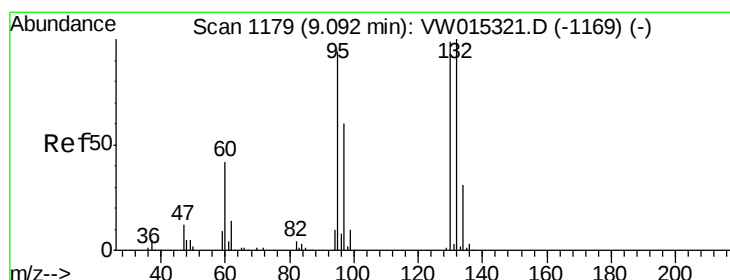
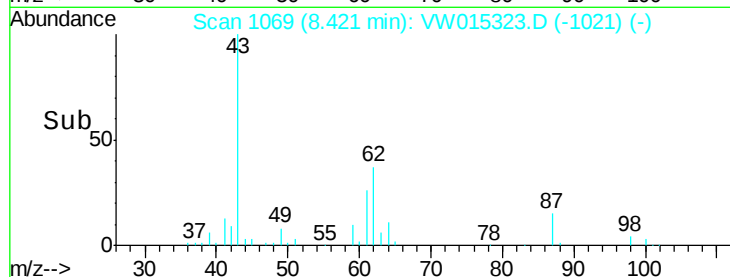
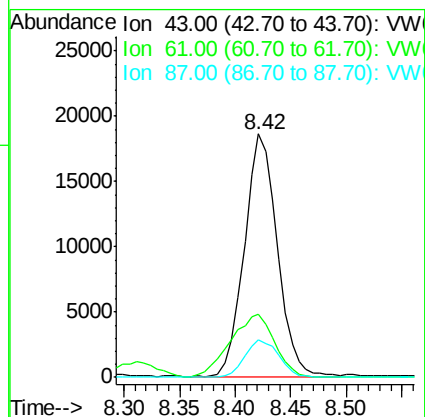
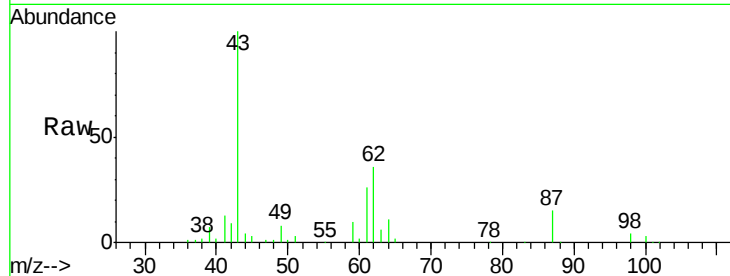
ClientSampled :

VW0423SBS01

Tot Ion:	43	Resp:	38152
Ion	Ratio	Lower	Upper
43	100		
61	35.1	24.8	37.2
87	16.1	11.4	17.2

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#44

Trichloroethene

Concen: 22.284 ug/l

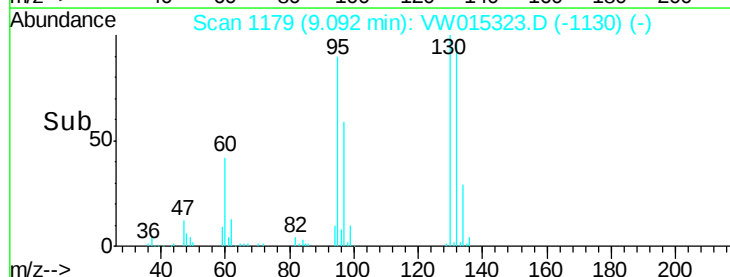
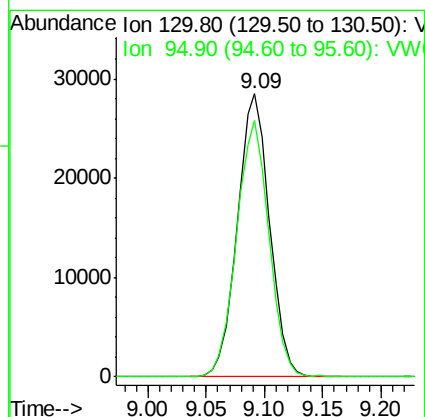
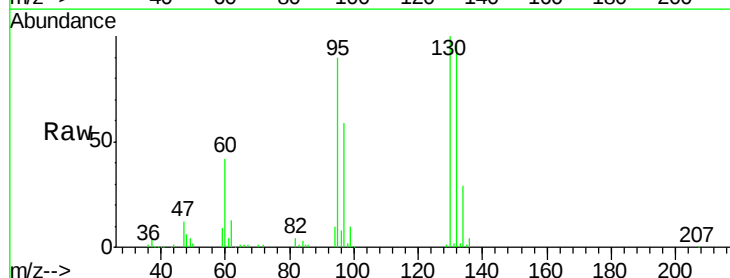
RT: 9.09 min Scan# 1179

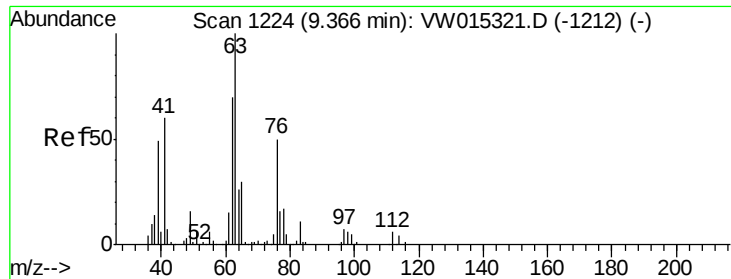
Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	130	Resp:	54844
Ion	Ratio	Lower	Upper
130	100		
95	90.5	0.0	196.4





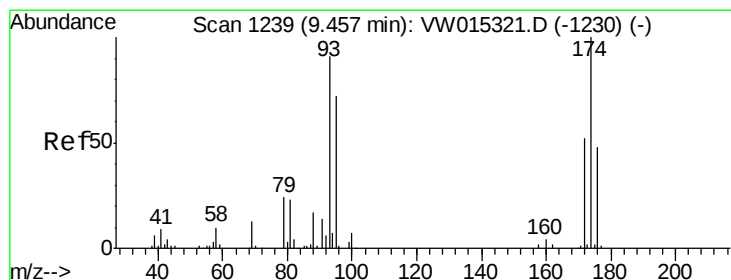
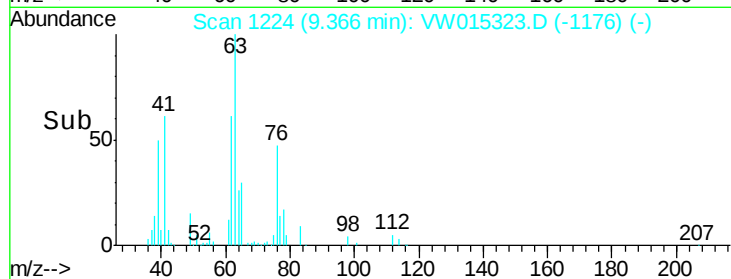
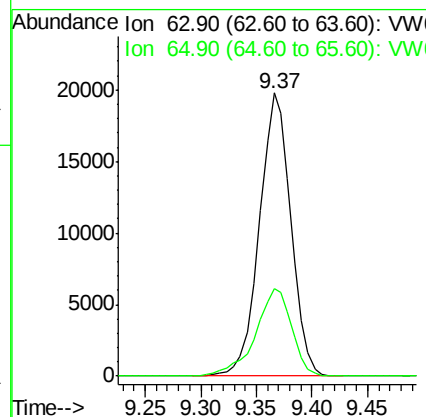
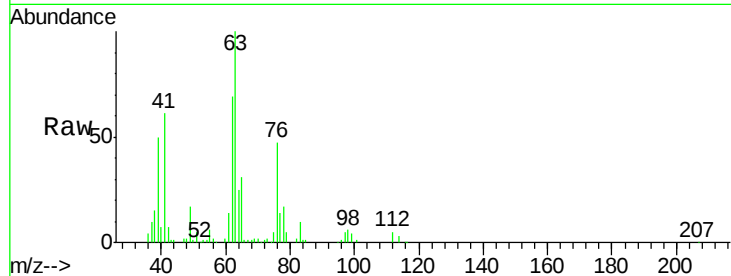
#45
 1,2-Dichloropropane
 Concen: 20.808 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.0	25.5	38.3

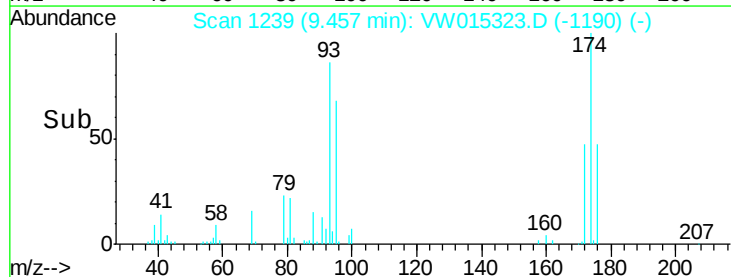
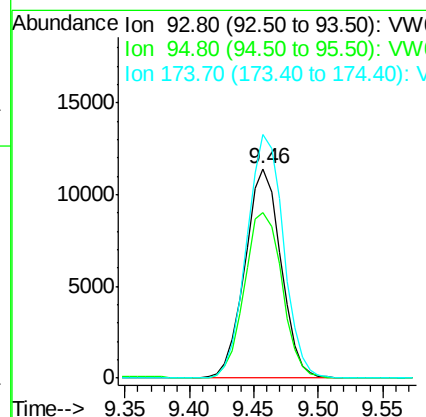
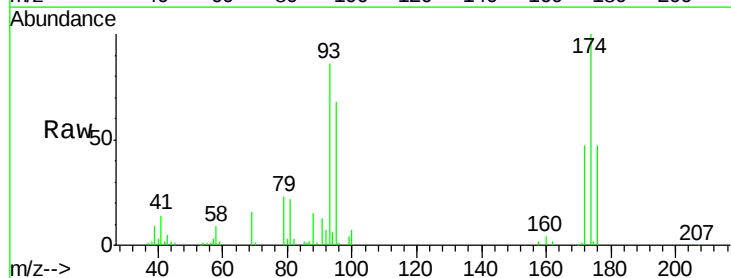
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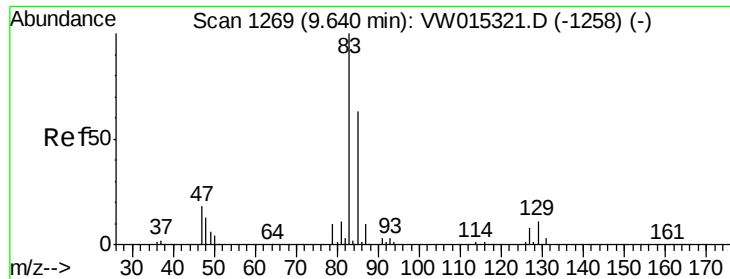
MMDadoda
 4/24/2020 1:32:44 PM



#46
 Dibromomethane
 Concen: 20.337 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
93	100		
95	82.8	67.5	101.3
174	118.5	74.1	111.1#





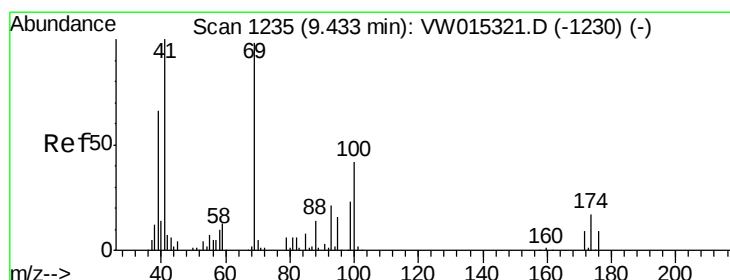
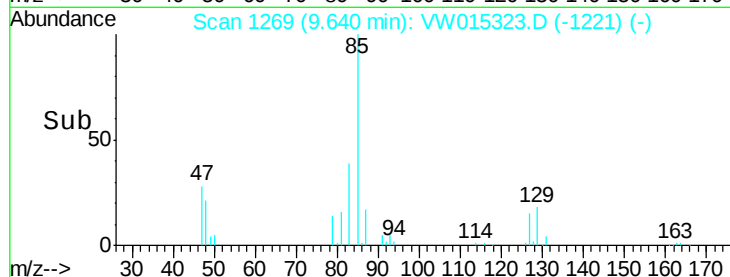
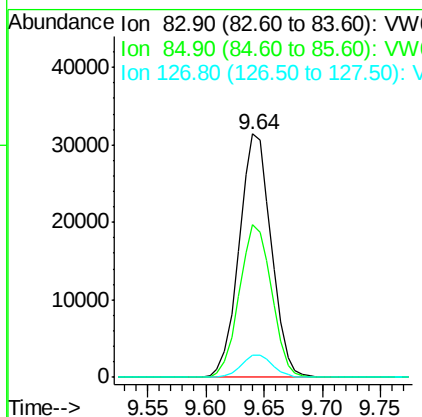
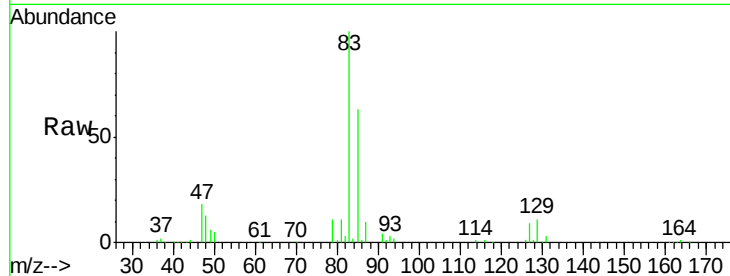
#47
Bromodichloromethane
Concen: 20.842 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	83	Resp	60307
Ion Ratio	100	Lower	Upper
83	100		
85	62.7	50.6	76.0
127	9.1	6.7	10.1

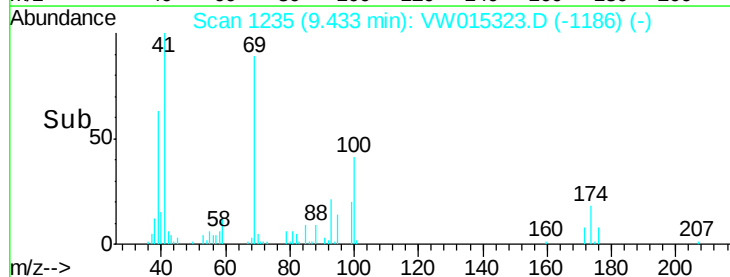
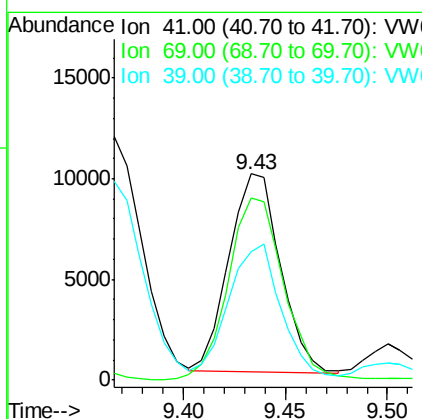
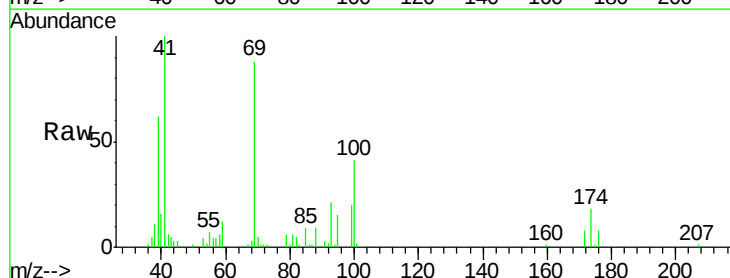
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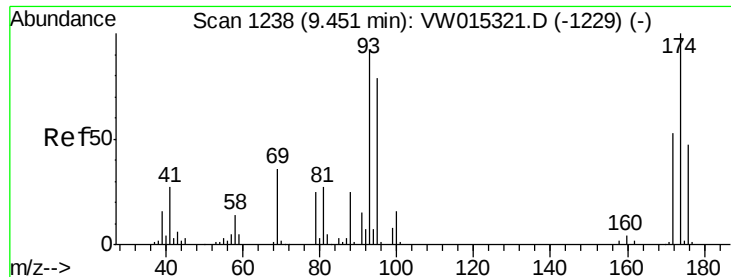
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#48
Methyl methacrylate
Concen: 17.818 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	41	Resp	17270
Ion Ratio	100	Lower	Upper
41	100		
69	100.3	70.6	105.8
39	66.2	42.6	64.0#





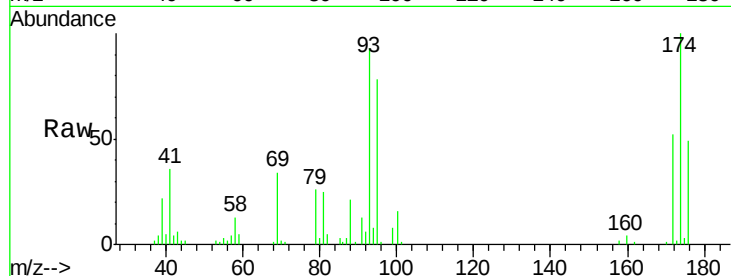
#49
1,4-Dioxane
Concen: 334.454 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. 0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

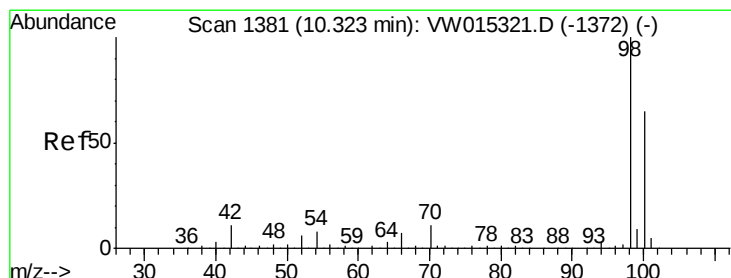
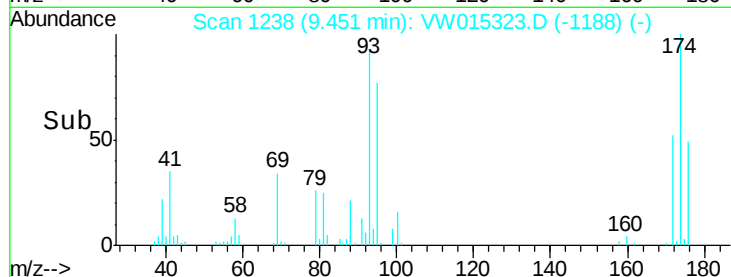
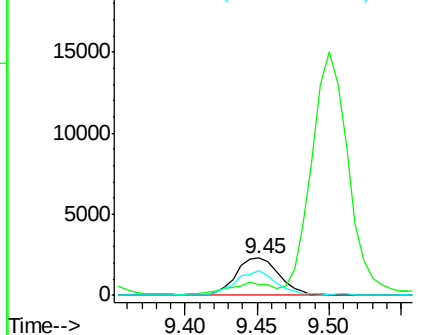
Tot Ion	Ratio	Lower	Upper
88	100		
43	35.1	23.5	35.3
58	62.3	55.4	83.2

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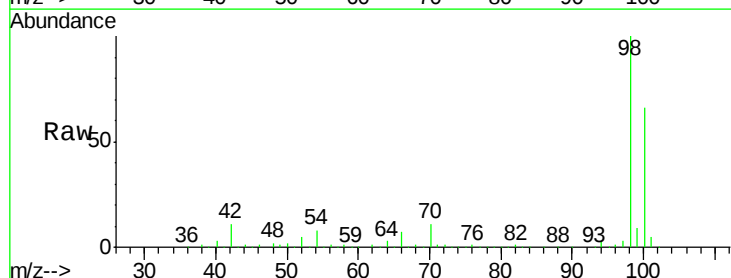


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

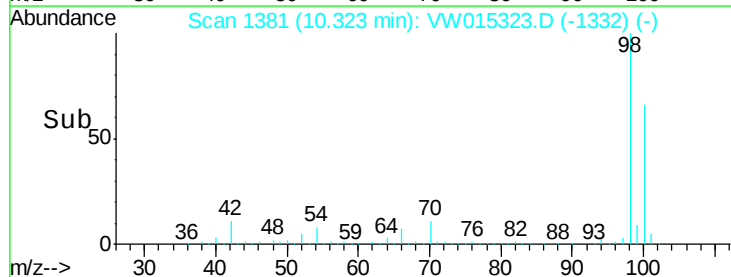
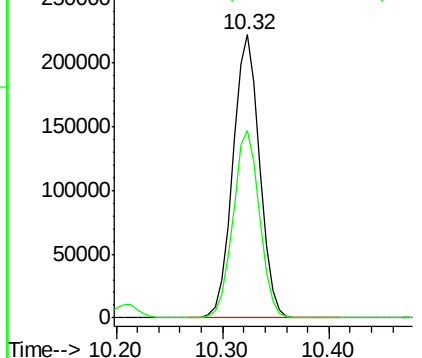


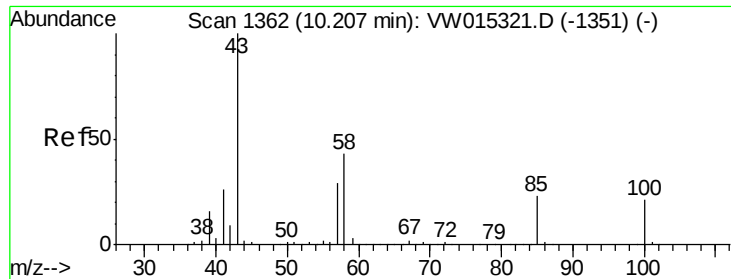
#50
Toluene-d8
Concen: 50.030 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
98	100		
100	65.6	52.9	79.3



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 90.235 ug/l

RT: 10.21 min Scan# 1362

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 43 Resp: 86848

Ion Ratio Lower Upper

43 100

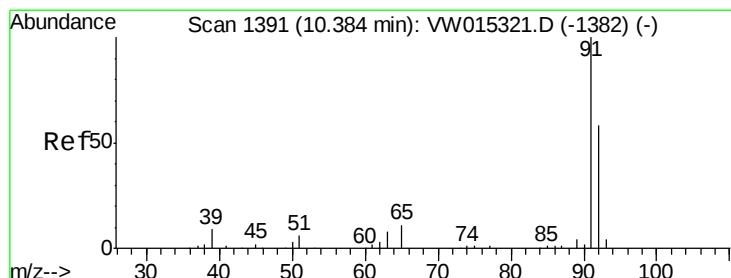
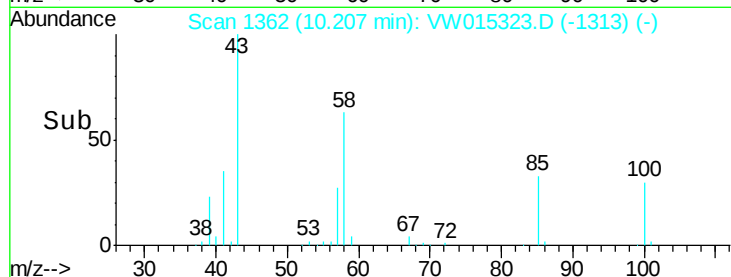
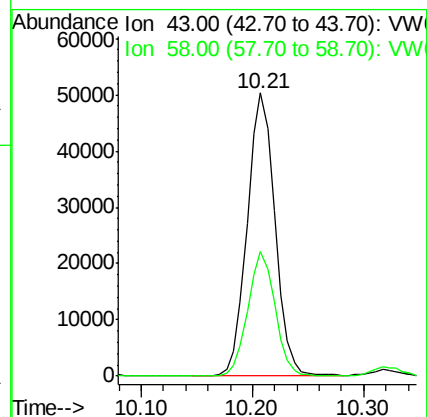
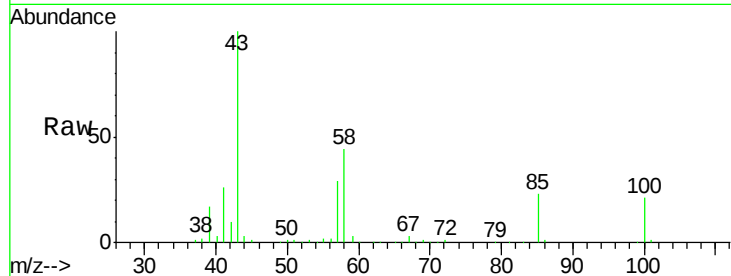
58 43.4 32.3 48.5

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#52

Toluene

Concen: 20.830 ug/l

RT: 10.38 min Scan# 1391

Delta R.T. 0.00 min

Lab File: VW015323.D

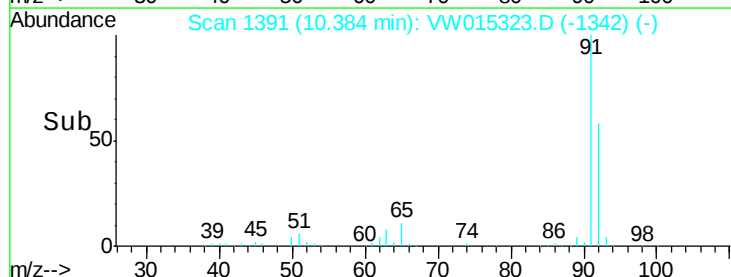
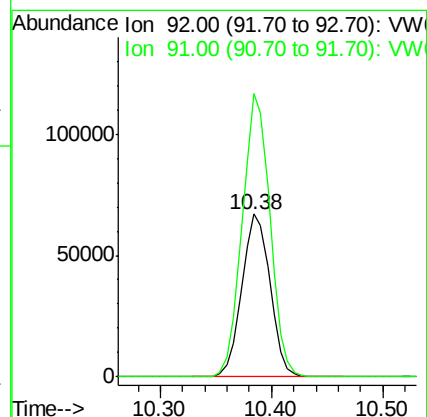
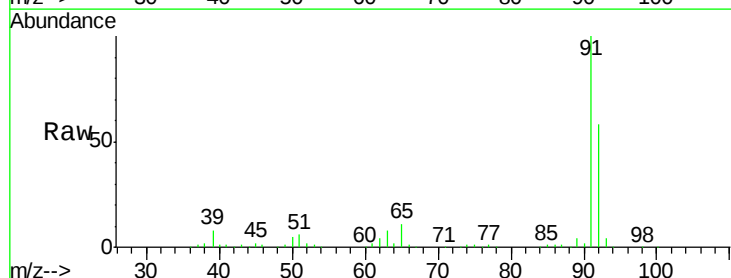
Acq: 23 Apr 2020 11:19

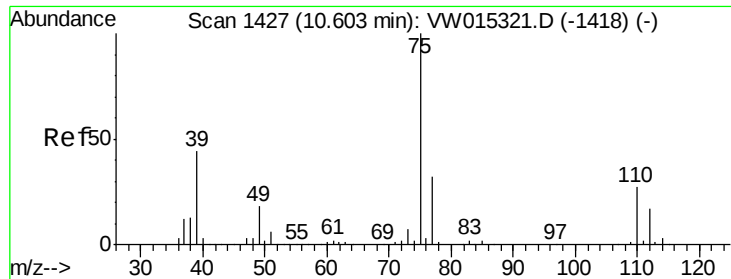
Tgt Ion: 92 Resp: 117298

Ion Ratio Lower Upper

92 100

91 172.1 137.1 205.7





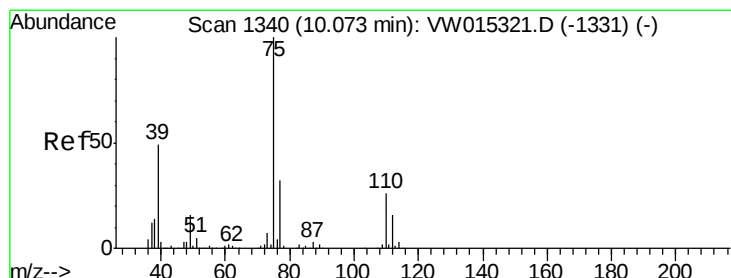
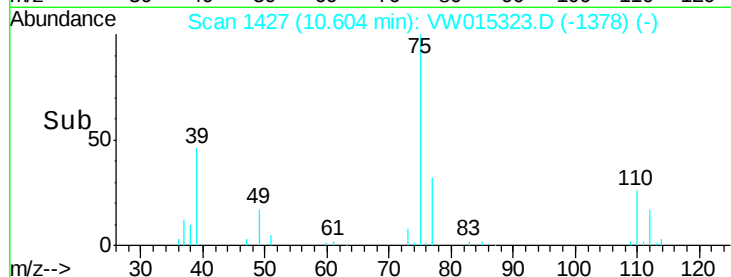
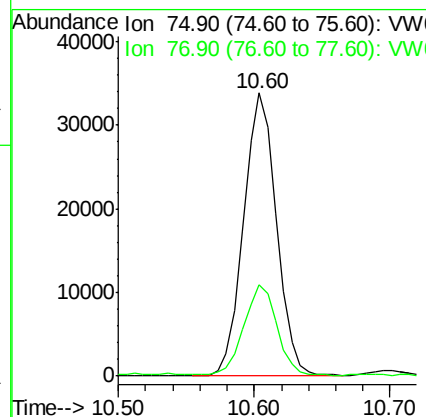
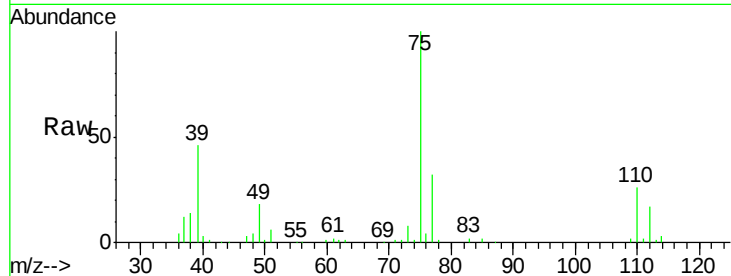
#53
t-1,3-Dichloropropene
Concen: 20.077 ug/l
RT: 10.60 min Scan# 1427
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 75 Resp: 57280
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

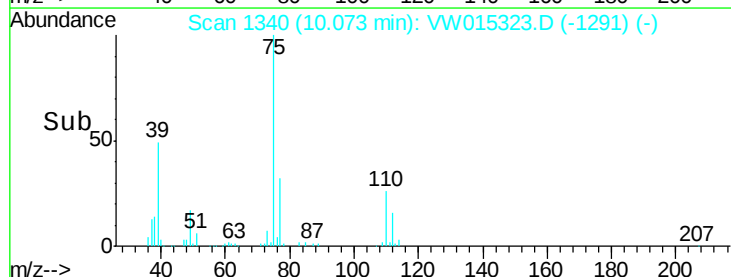
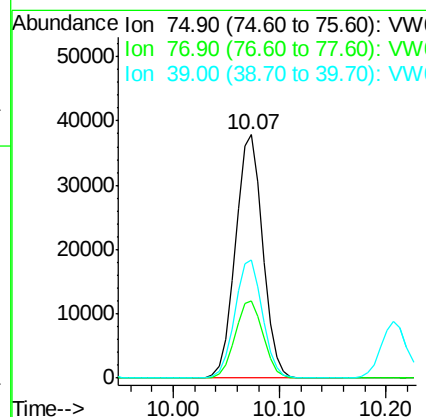
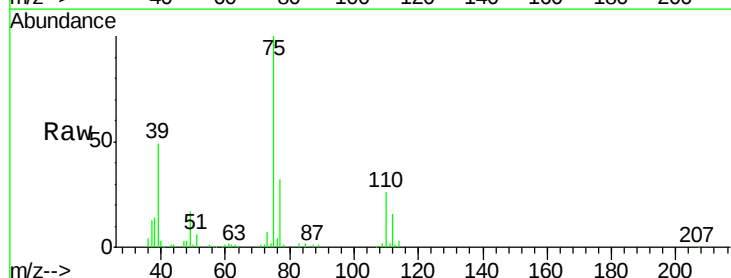
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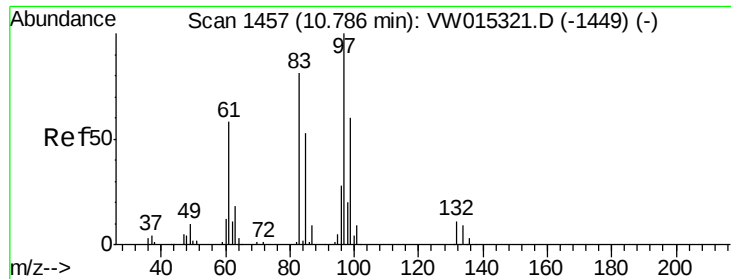
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#54
cis-1,3-Dichloropropene
Concen: 20.543 ug/l
RT: 10.07 min Scan# 1340
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 75 Resp: 68126
Ion Ratio Lower Upper
75 100
77 31.7 26.6 39.8
39 48.6 37.8 56.6





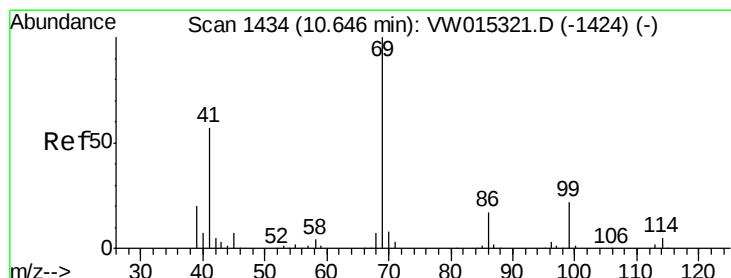
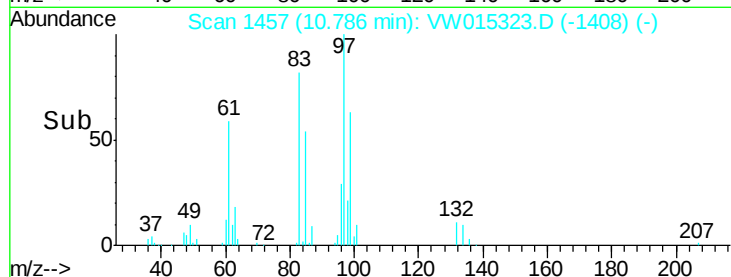
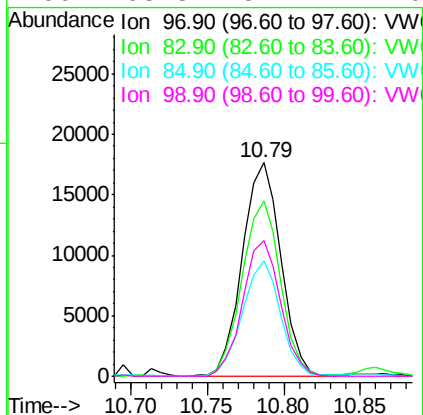
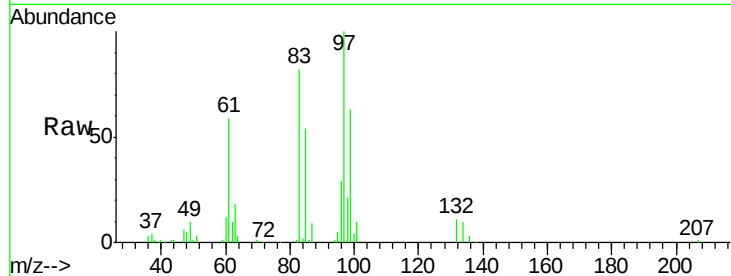
#55
 1,1,2-Trichloroethane
 Concen: 20.435 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion:	97	Resp:	30972
Ion	Ratio	Lower	Upper
97	100		
83	82.4	67.3	100.9
85	53.7	43.8	65.8
99	63.3	51.4	77.0

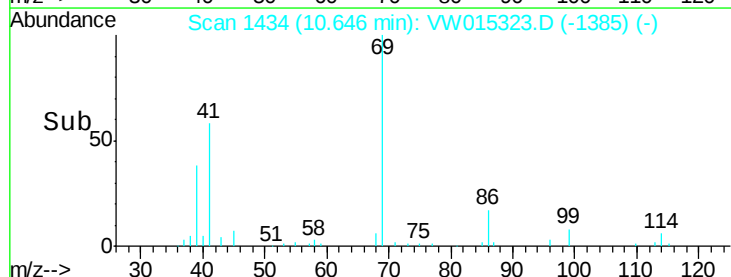
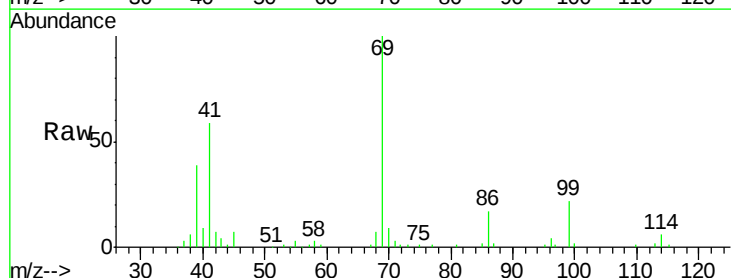
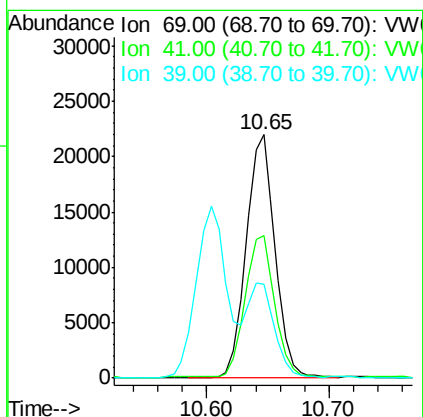
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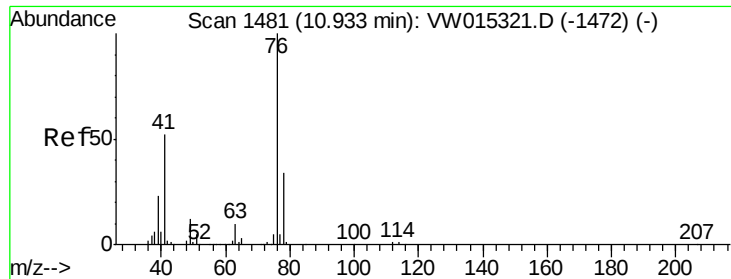
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 4/24/2020 1:32:44 PM



#56
 Ethyl methacrylate
 Concen: 18.476 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion:	69	Resp:	36074
Ion	Ratio	Lower	Upper
69	100		
41	59.5	51.3	76.9
39	35.2	24.6	37.0





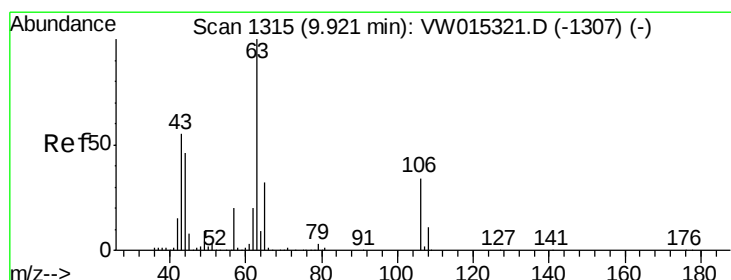
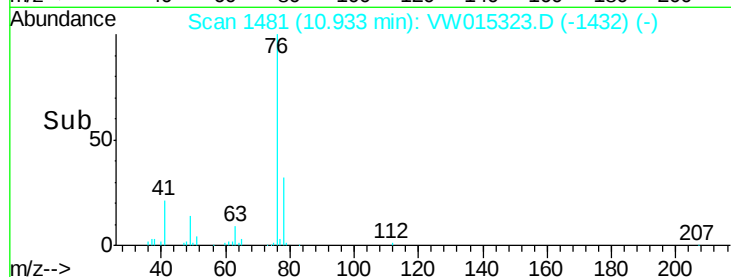
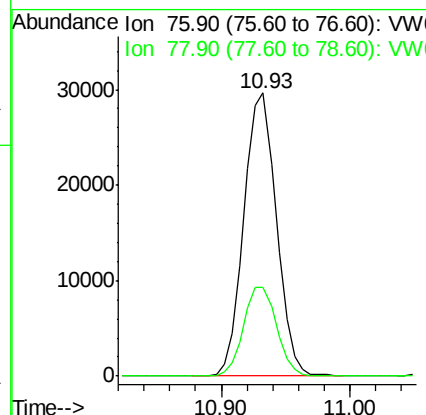
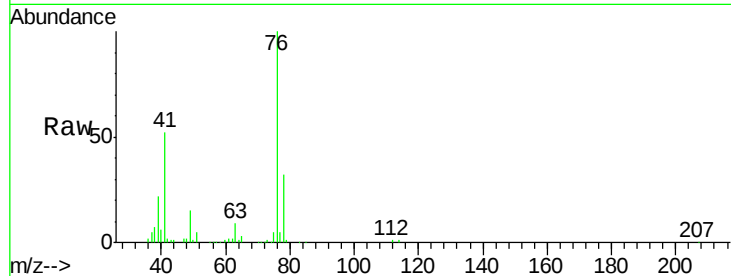
#57
 1,3-Dichloropropane
 Concen: 20.626 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion: 76 Resp: 51783
 Ion Ratio Lower Upper
 76 100
 78 32.0 26.2 39.4

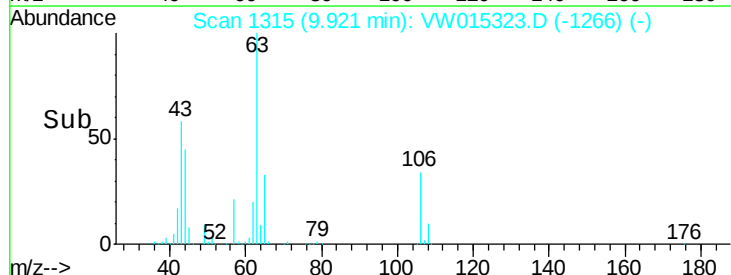
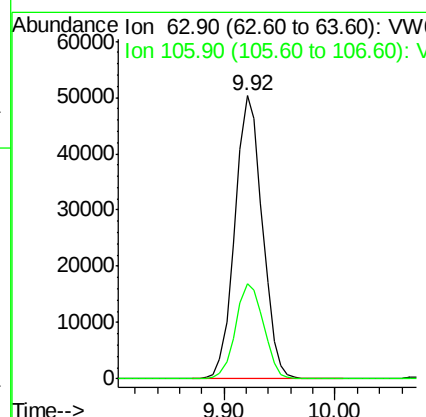
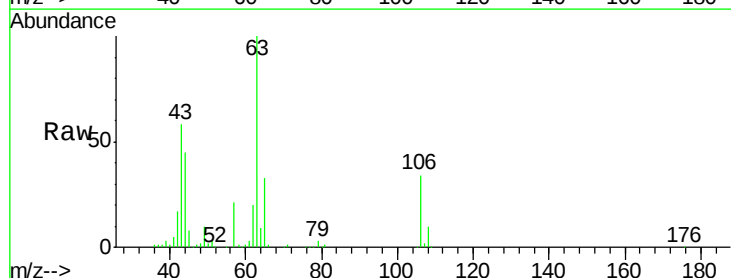
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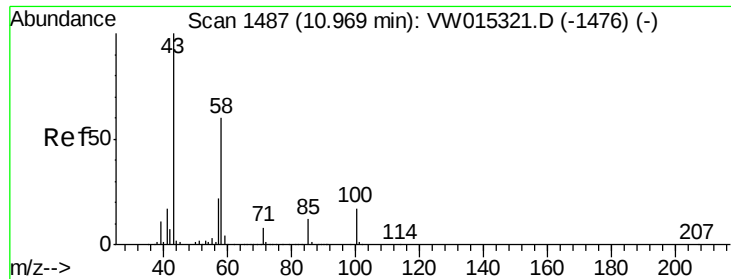
MMDadoda
 4/24/2020 1:32:44 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 94.932 ug/l
 RT: 9.92 min Scan# 1315
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion: 63 Resp: 85934
 Ion Ratio Lower Upper
 63 100
 106 34.1 22.6 33.8#





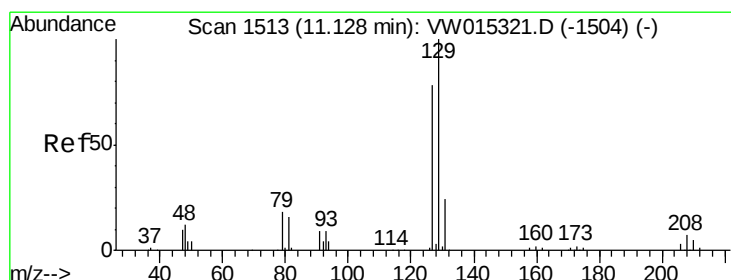
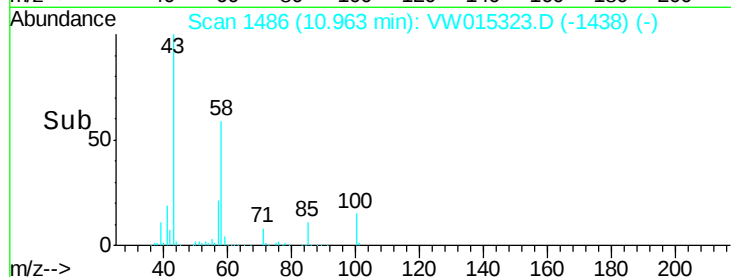
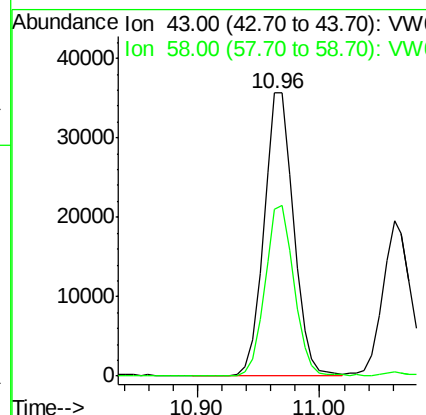
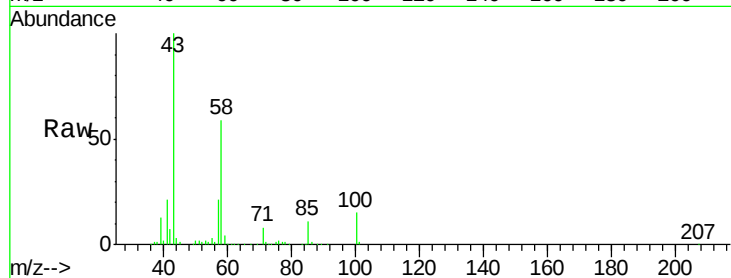
#59
2-Hexanone
Concen: 88.069 ug/l
RT: 10.96 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 43 Resp: 60507
Ion Ratio Lower Upper
43 100
58 59.0 28.1 84.3

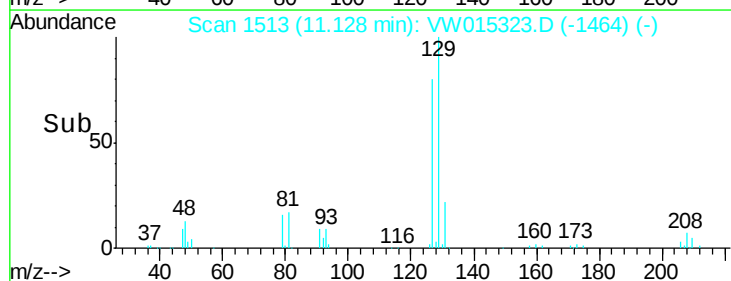
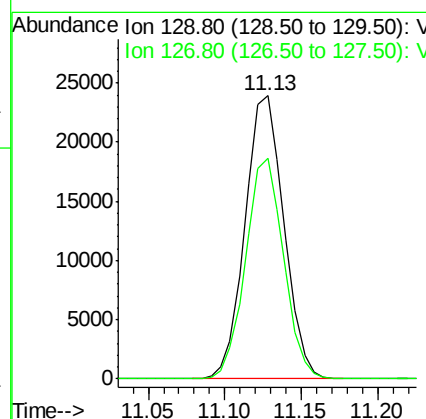
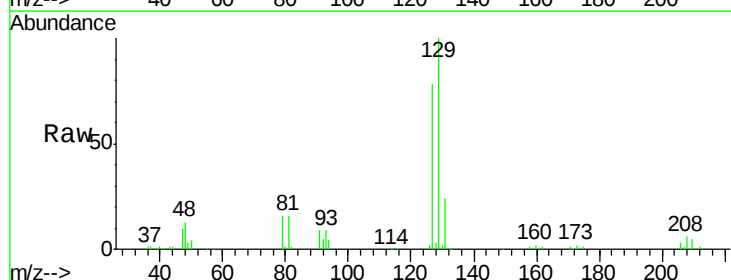
Manual Integrations
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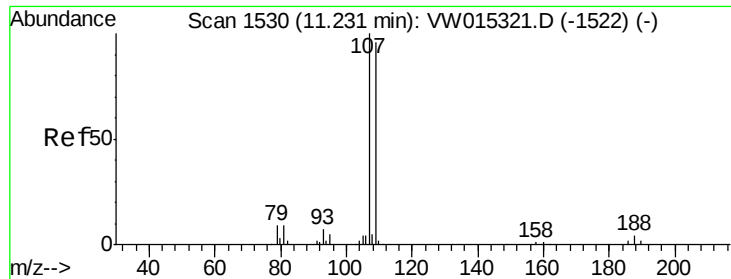
MMDadoda
4/24/2020 1:32:44 PM



#60
Dibromochloromethane
Concen: 21.124 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 129 Resp: 42272
Ion Ratio Lower Upper
129 100
127 76.1 38.3 114.8





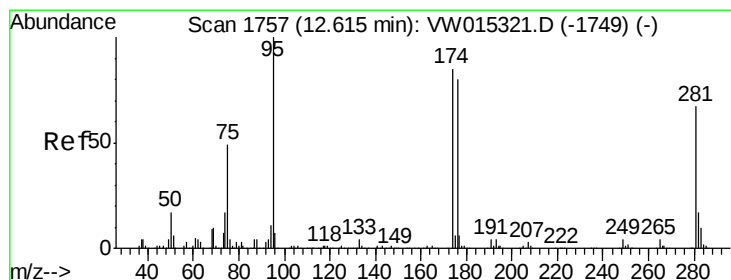
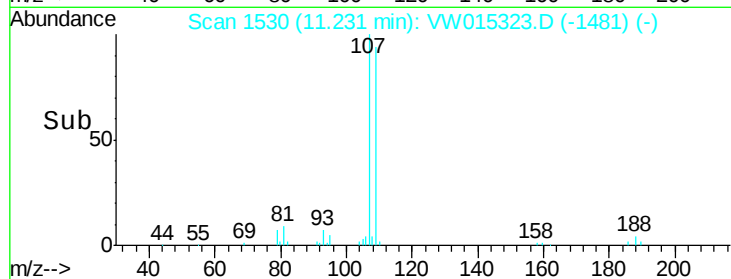
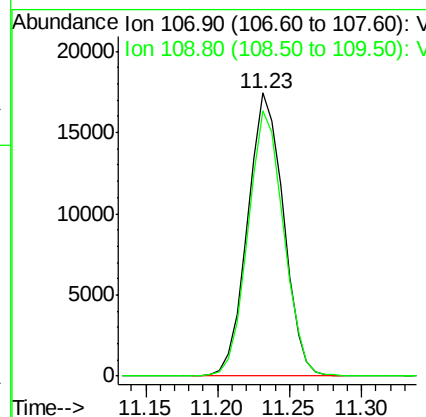
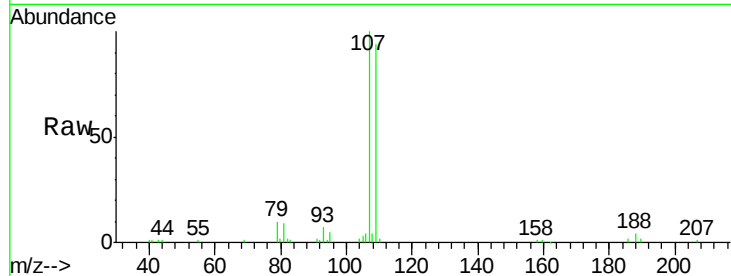
#61
 1,2-Dibromoethane
 Concen: 20.285 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	74.3	111.5

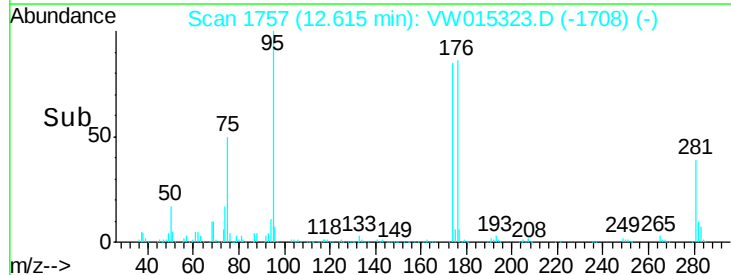
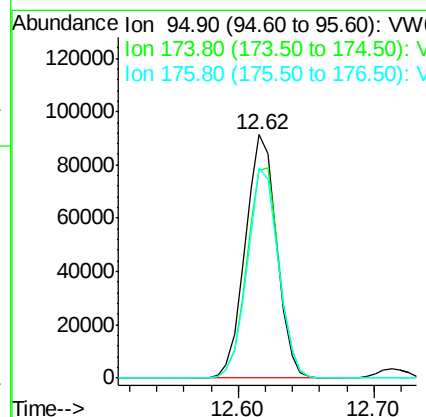
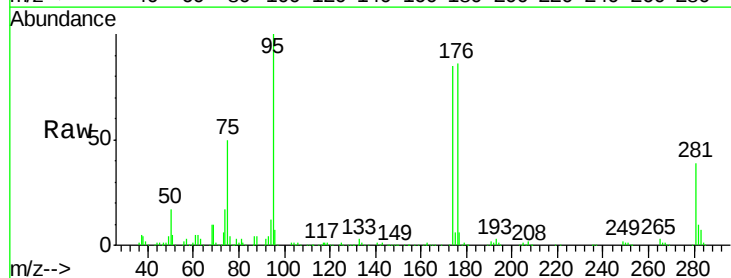
Manual Integrations
 APPROVED

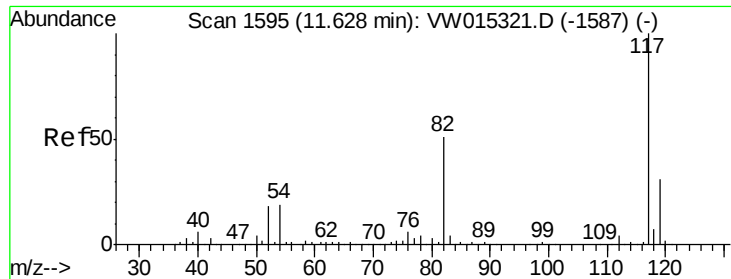
MMDadoda
 4/24/2020 1:32:44 PM



#62
 4-Bromofluorobenzene
 Concen: 49.570 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.9	0.0	144.4
176	85.6	0.0	140.6





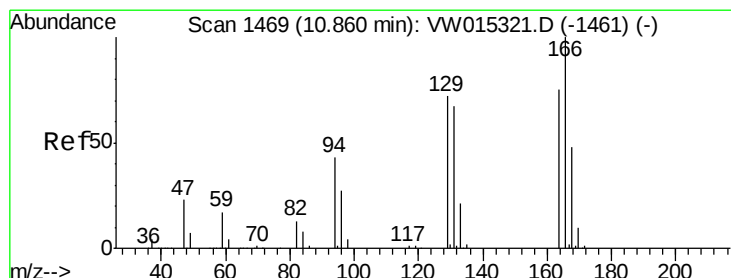
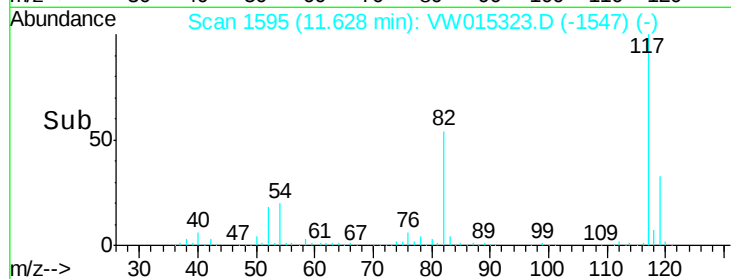
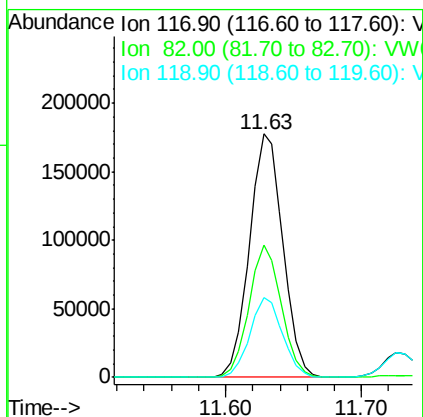
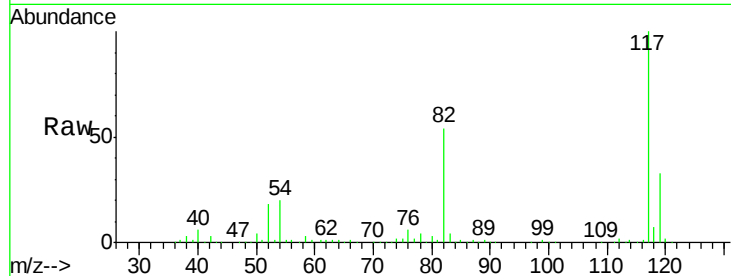
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
117	100	305724		
82	54.2		44.1	66.1
119	32.8		24.9	37.3

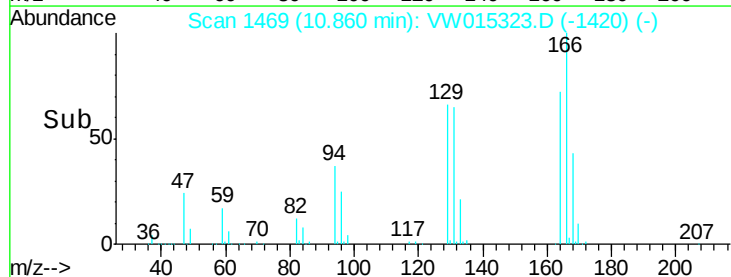
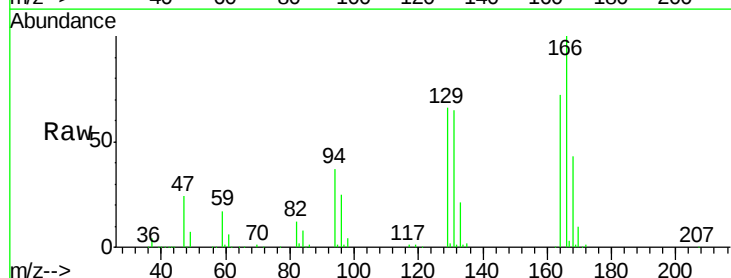
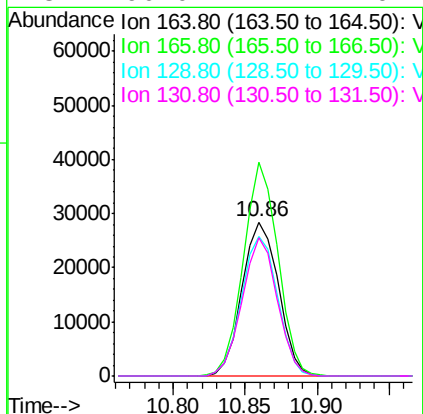
Manual Integrations
APPROVED

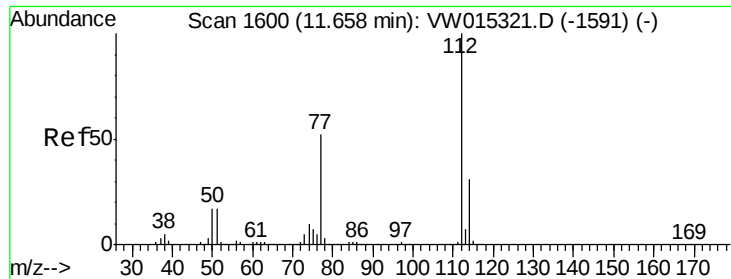
MMDadoda
4/24/2020 1:32:44 PM



#64
Tetrachloroethene
Concen: 22.728 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	49592		
166	138.9		102.6	154.0
129	91.1		80.2	120.2
131	90.0		77.4	116.2





#65

Chlorobenzene

Concen: 21.479 ug/l

RT: 11.66 min Scan# 1600

Delta R.T. 0.01 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion:112 Resp: 128856

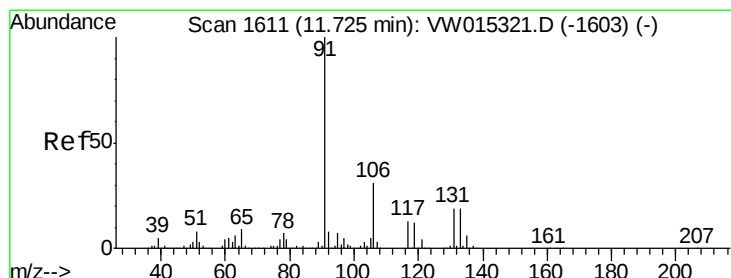
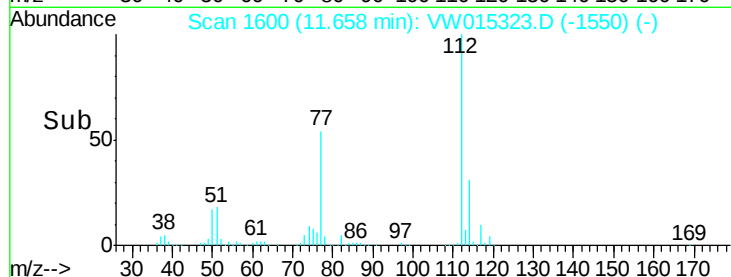
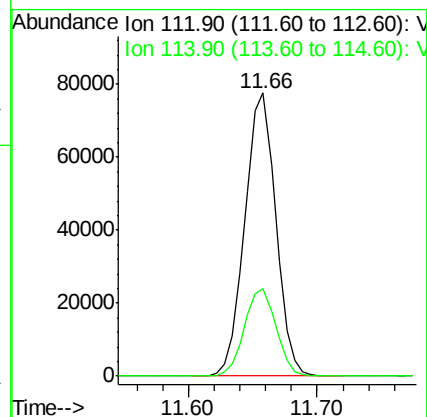
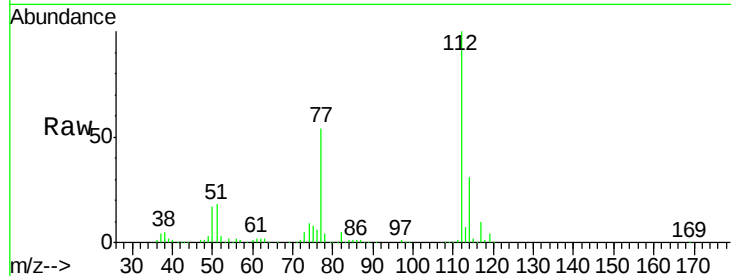
Ion Ratio Lower Upper

112 100

114 31.0 25.8 38.6

Manual Integrations
APPROVED

MMDadoda
4/24/2020 1:32:44 PM



#66

1,1,1,2-Tetrachloroethane

Concen: 21.713 ug/l

RT: 11.73 min Scan# 1611

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

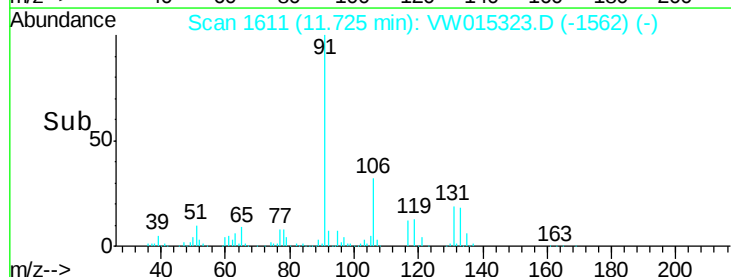
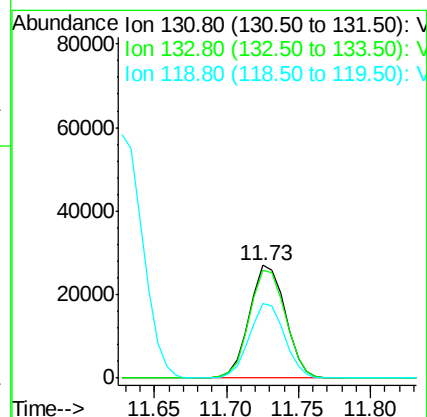
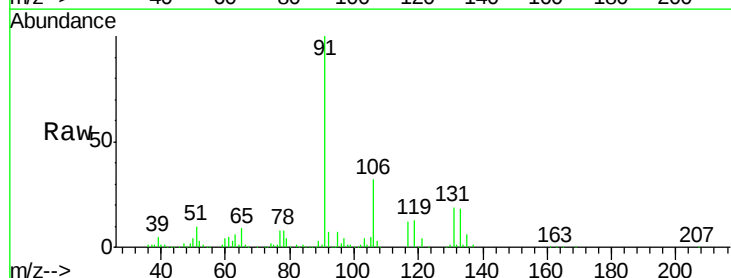
Tgt Ion:131 Resp: 46817

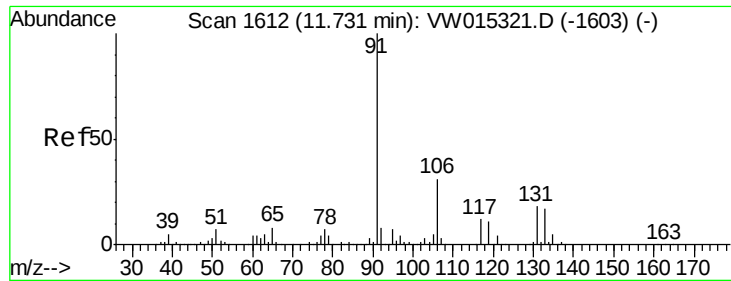
Ion Ratio Lower Upper

131 100

133 96.0 47.7 143.1

119 64.6 34.0 101.8





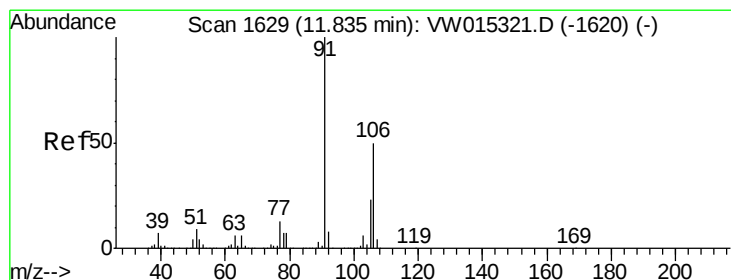
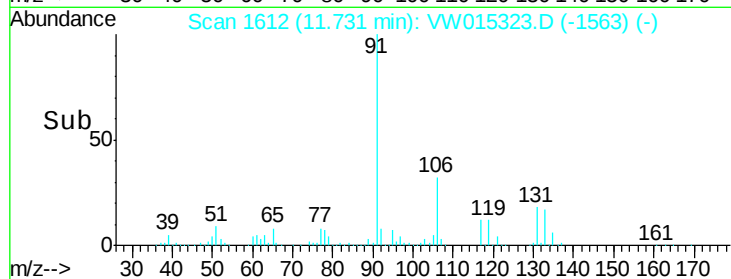
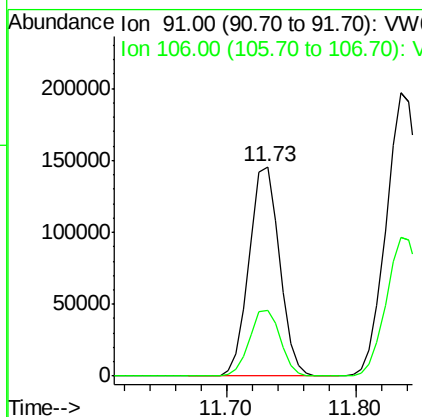
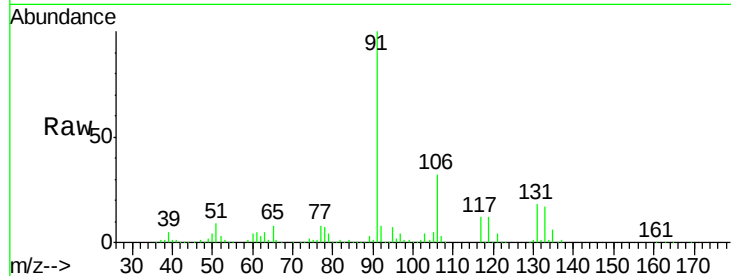
#67
Ethyl Benzene
Concen: 21.174 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion: 91 Resp: 236889
Ion Ratio Lower Upper
91 100
106 31.7 25.7 38.5

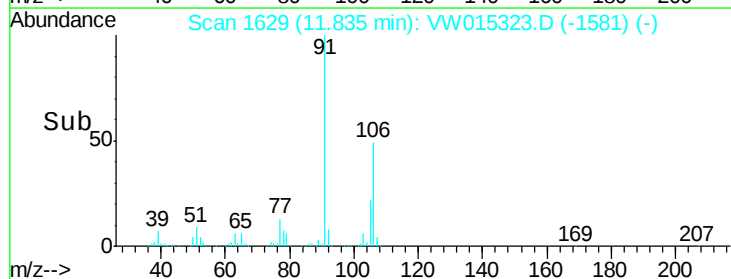
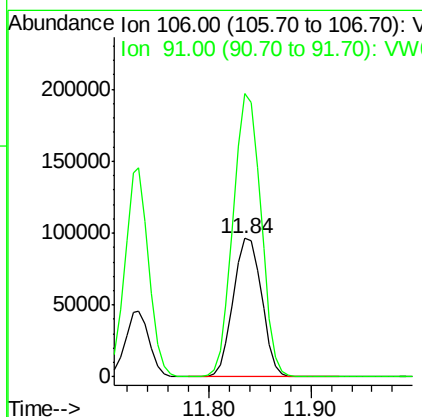
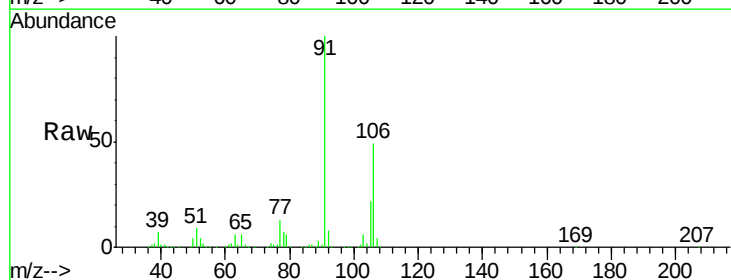
Manual Integrations
APPROVED

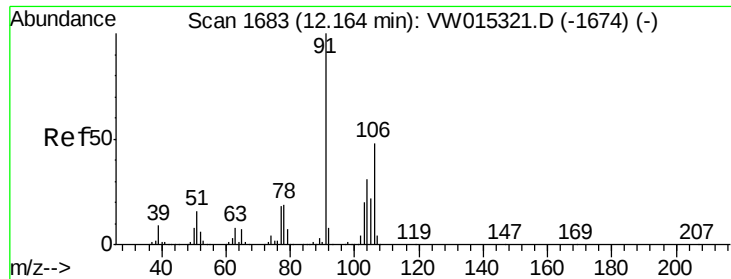
MMDadoda
4/24/2020 1:32:44 PM



#68
m/p-Xylenes
Concen: 42.518 ug/l
RT: 11.84 min Scan# 1629
Delta R.T. -0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion: 106 Resp: 186453
Ion Ratio Lower Upper
106 100
91 199.7 160.0 240.0





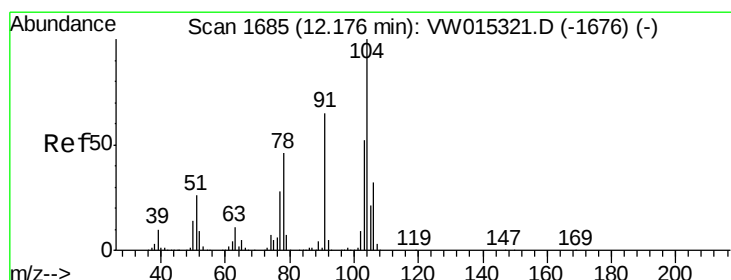
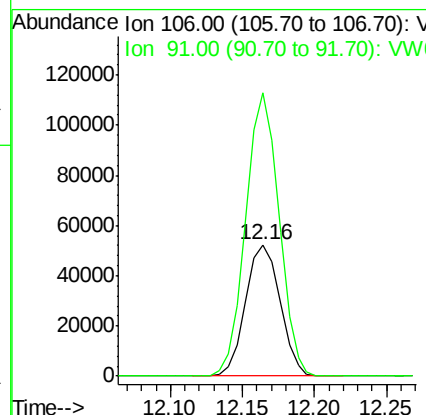
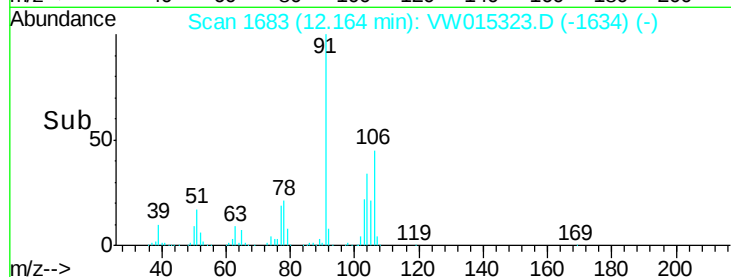
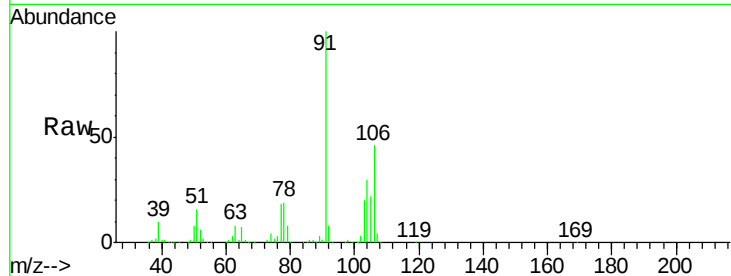
#69
o-Xylene
Concen: 21.245 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion:106 Resp: 86961
Ion Ratio Lower Upper
106 100
91 208.6 105.7 317.1

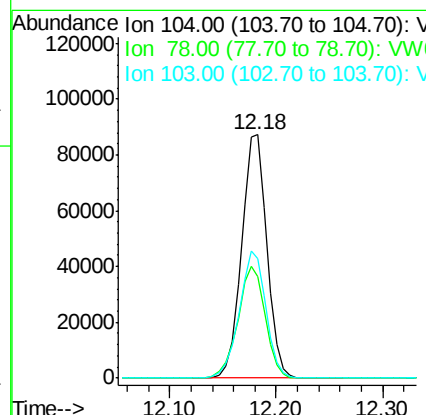
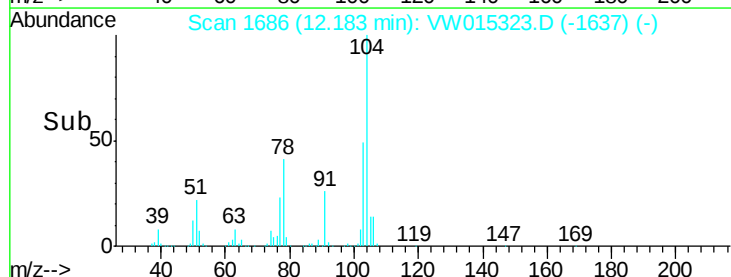
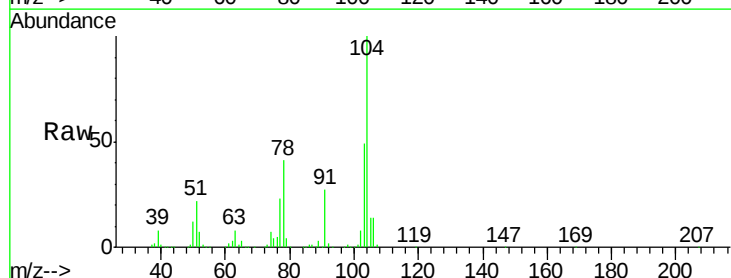
Manual Integrations
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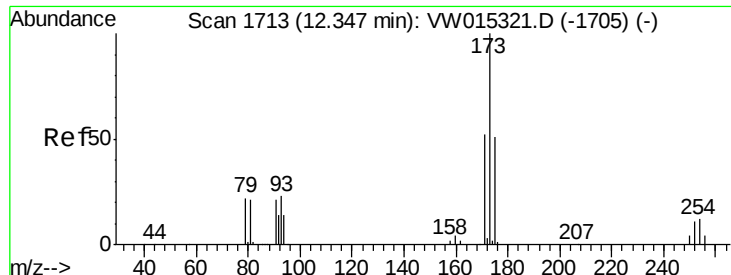
MMDadoda
4/24/2020 1:32:44 PM



#70
Styrene
Concen: 20.849 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion:104 Resp: 145466
Ion Ratio Lower Upper
104 100
78 49.4 39.8 59.6
103 54.8 43.8 65.6





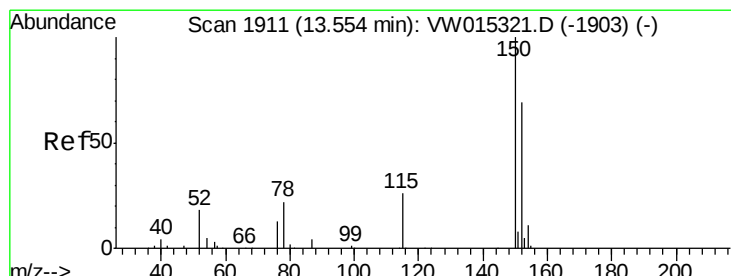
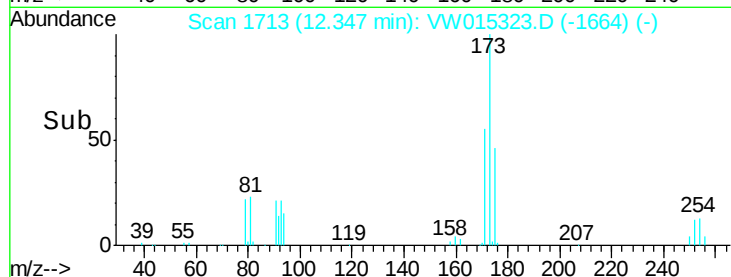
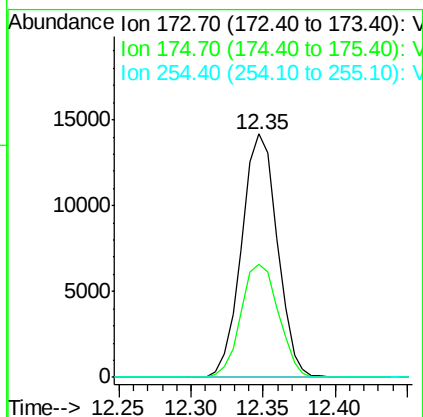
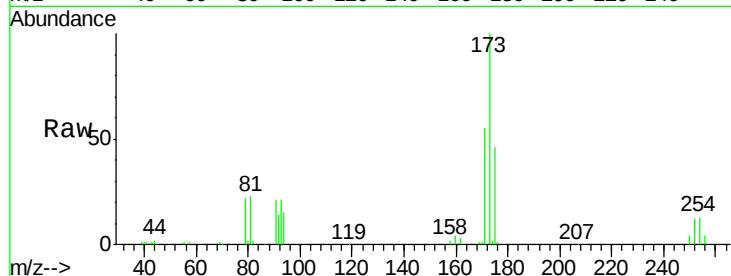
#71
Bromoform
Concen: 20.079 ug/l
RT: 12.35 min Scan# 1713
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.9	25.1	75.4
254	0.0	0.1	0.1#

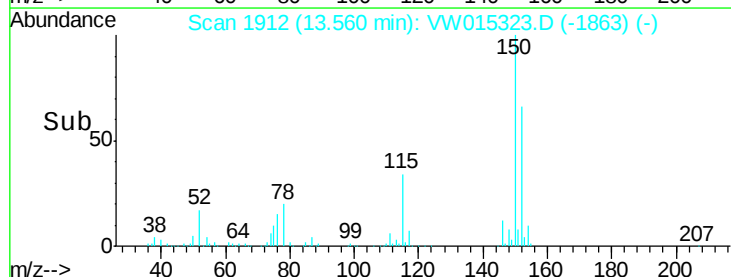
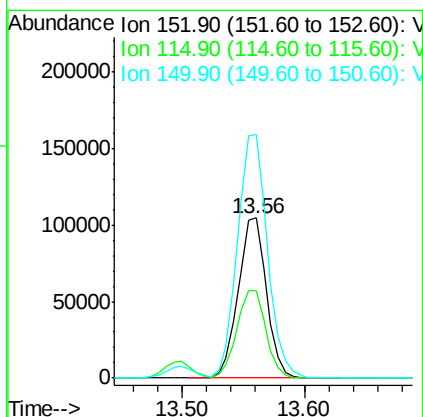
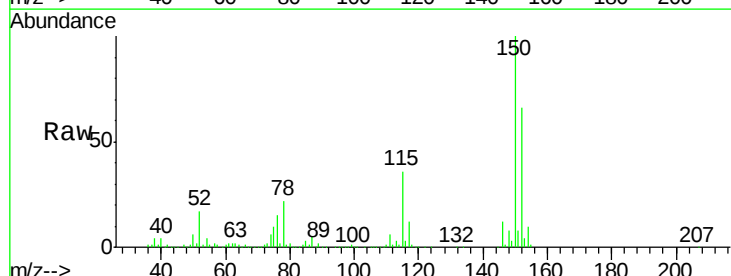
Manual Integrations
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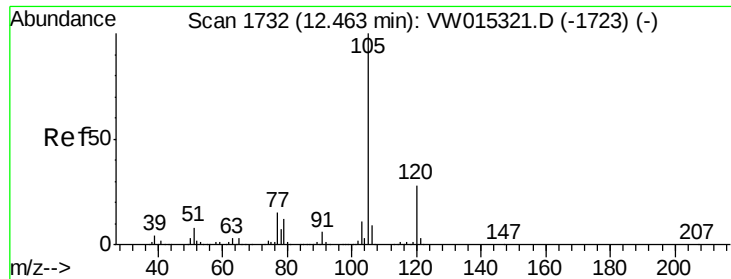
MMDadoda
4/24/2020 1:32:44 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.1	31.3	93.9
150	161.9	0.0	343.4





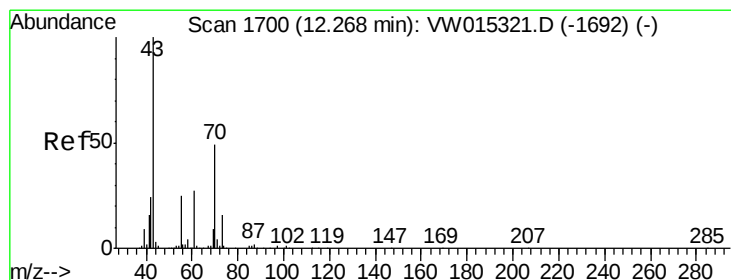
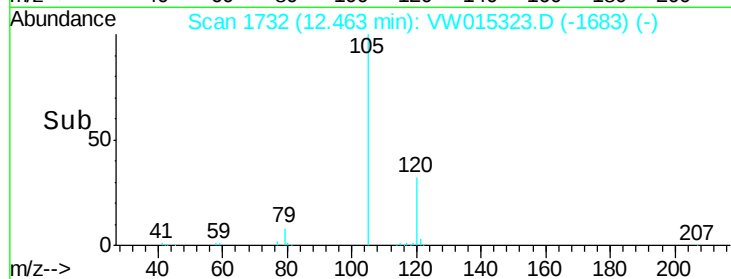
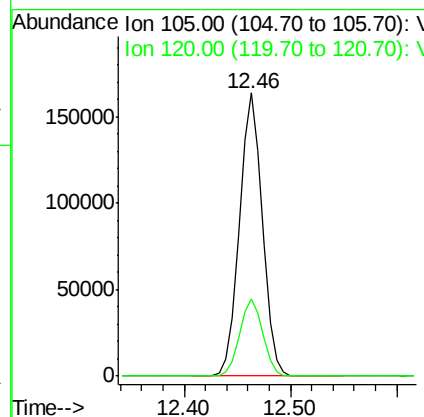
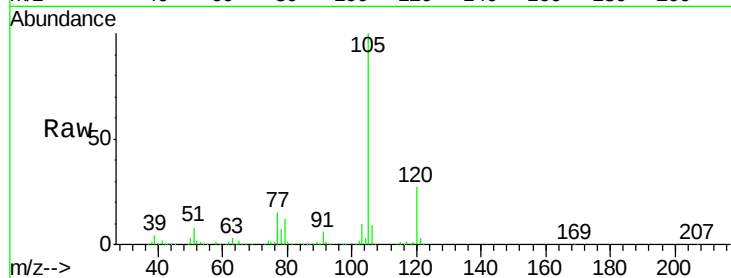
#73
Isopropylbenzene
Concen: 21.439 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
105	100		
120	27.4	13.7	41.1

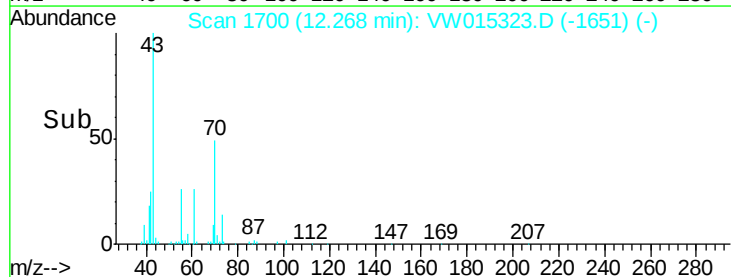
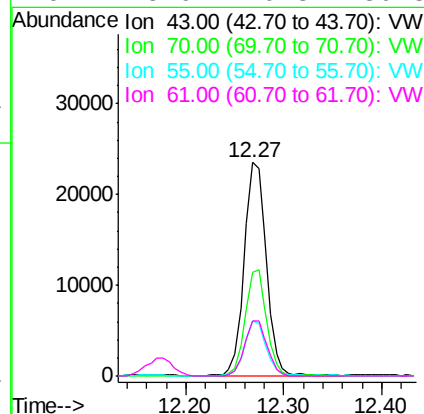
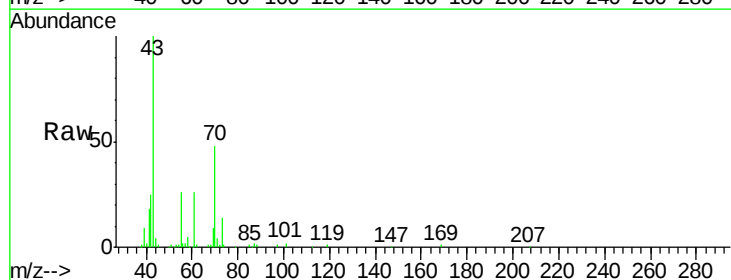
Manual Integrations
APPROVED

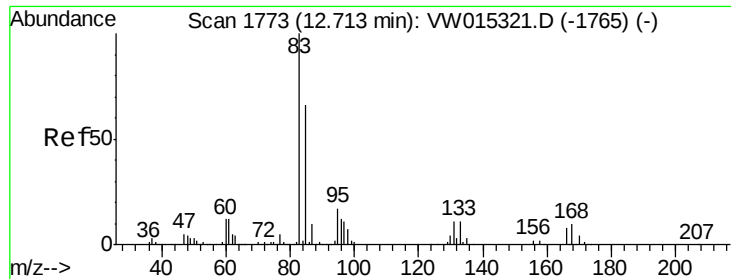
MMDadoda
4/24/2020 1:32:44 PM



#74
N-ethyl acetate
Concen: 18.613 ug/l
RT: 12.27 min Scan# 1700
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
43	100		
70	47.2	35.4	53.2
55	25.4	18.5	27.7
61	25.9	20.3	30.5





#75

1,1,2,2-Tetrachloroethane

Concen: 19.545 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

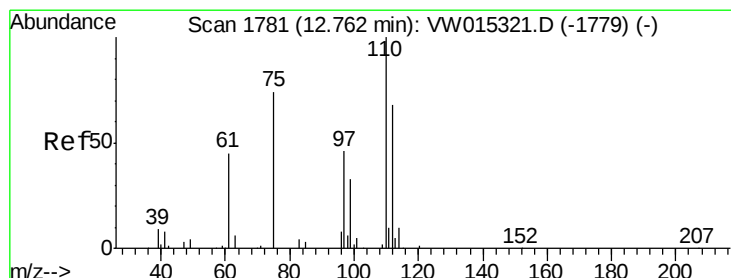
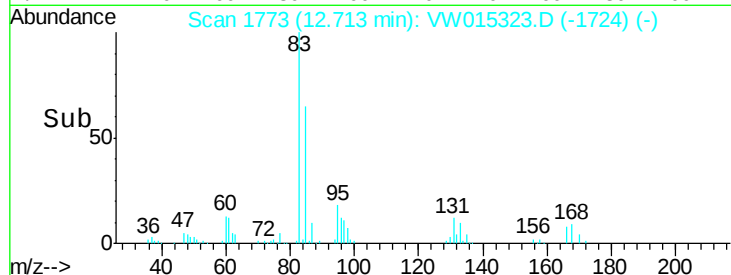
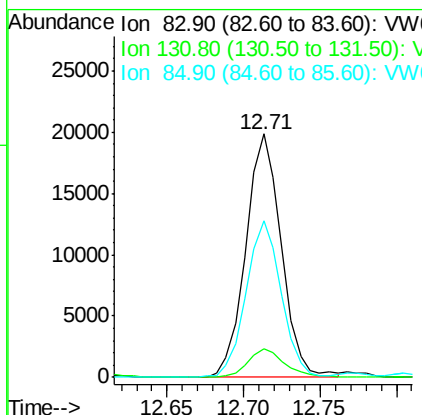
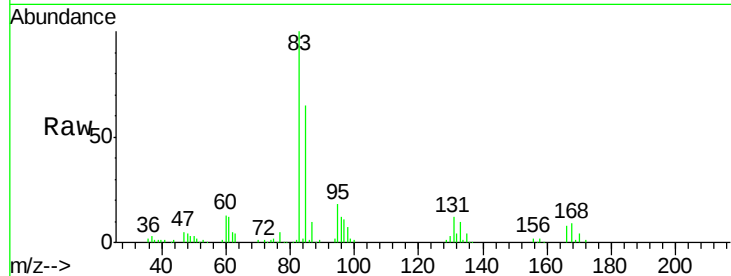
ClientSampleId :

VW0423SBS01

Tot Ion:	83	Resp:	32063
Ion Ratio	Lower	Upper	
83	100		
131	12.4	5.1	15.2
85	63.9	32.3	96.8

Manual Integrations
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4/24/2020 1:32:44 PM



#76

1,2,3-Trichloropropane

Concen: 15.327 ug/l m

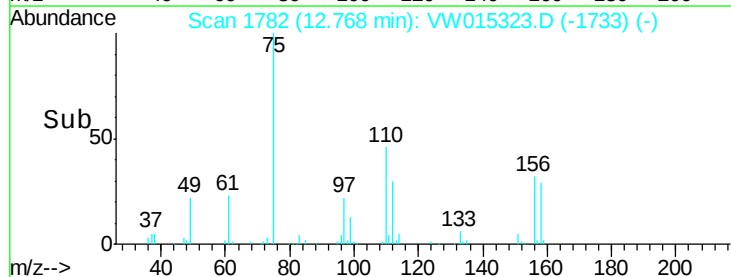
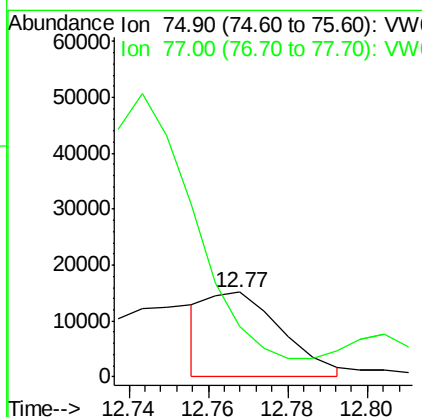
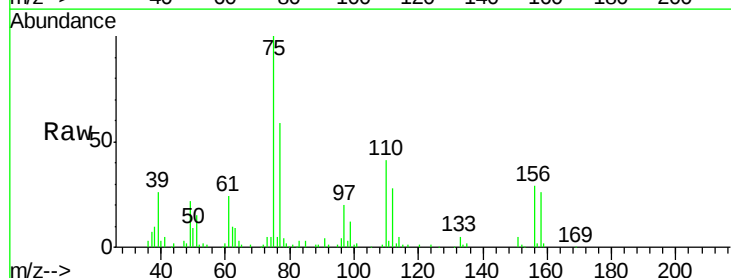
RT: 12.77 min Scan# 1782

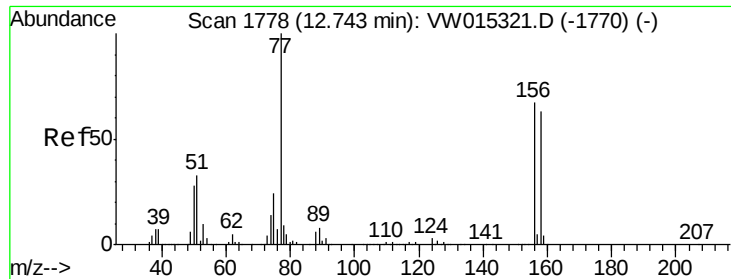
Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	75	Resp:	19759
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0





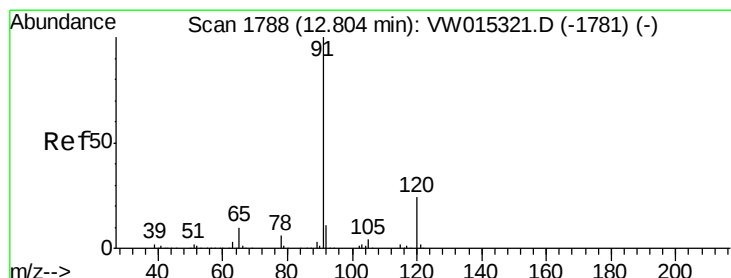
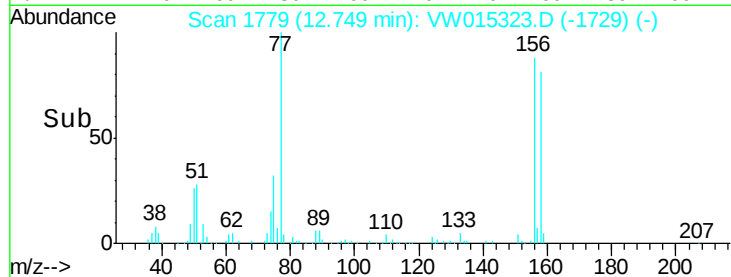
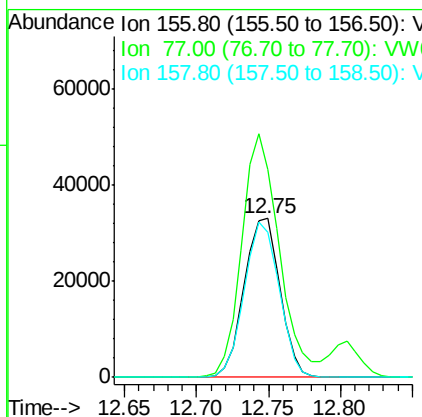
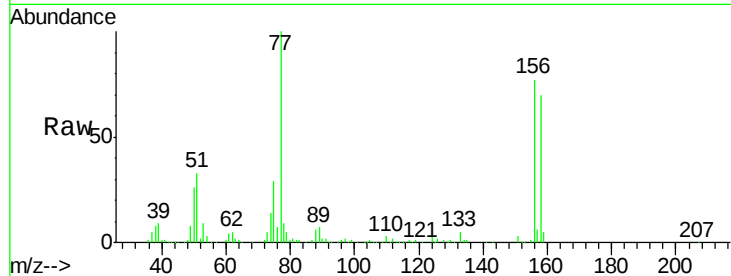
#77
Bromobenzene
Concen: 21.414 ug/l
RT: 12.75 min Scan# 1779
Delta R.T. 0.01 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Lower	Upper
156	100		
77	161.4	100.5	301.5
158	95.7	47.9	143.8

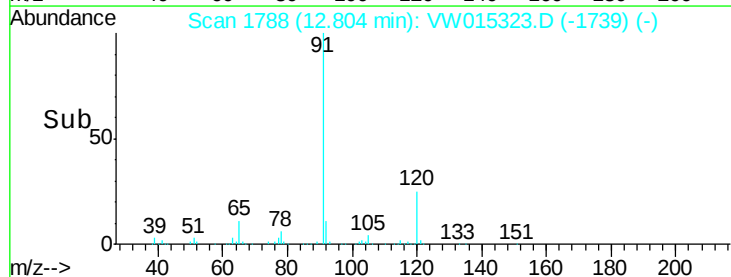
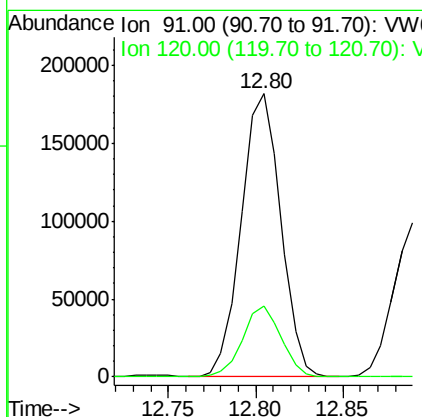
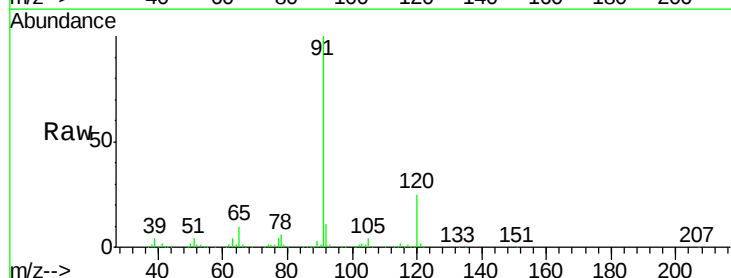
Manual Integrations
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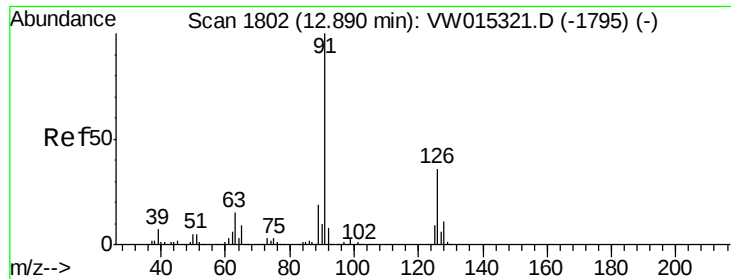
MMDadoda
4/24/2020 1:32:44 PM



#78
n-propylbenzene
Concen: 21.227 ug/l
RT: 12.80 min Scan# 1788
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
91	100		
120	24.3	11.4	34.1





#79

2-Chlorotoluene

Concen: 21.144 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion: 91 Resp: 160301

Ion Ratio Lower Upper

91 100

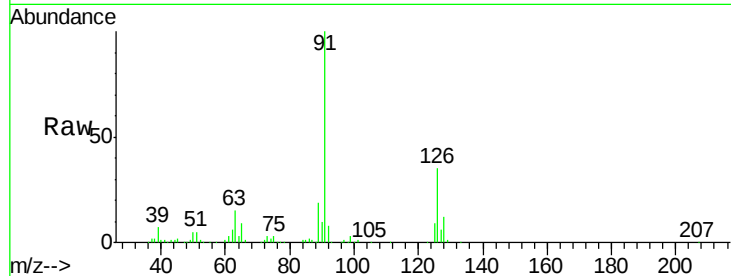
126 35.9 16.8 50.4

Manual Integrations

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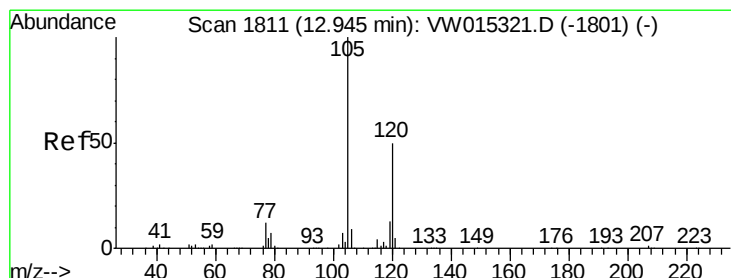
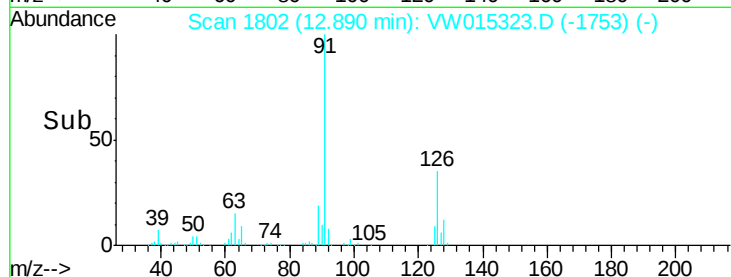
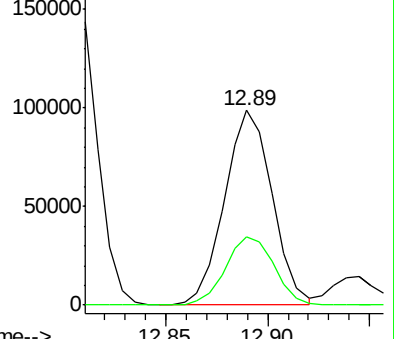
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 21.010 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015323.D

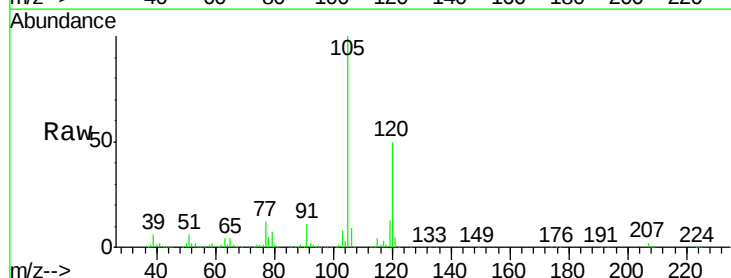
Acq: 23 Apr 2020 11:19

Tgt Ion:105 Resp: 209112

Ion Ratio Lower Upper

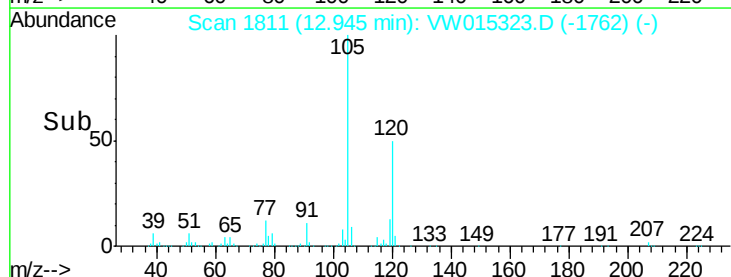
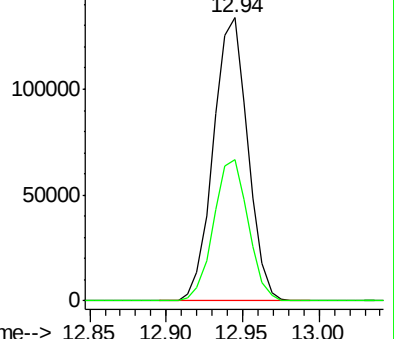
105 100

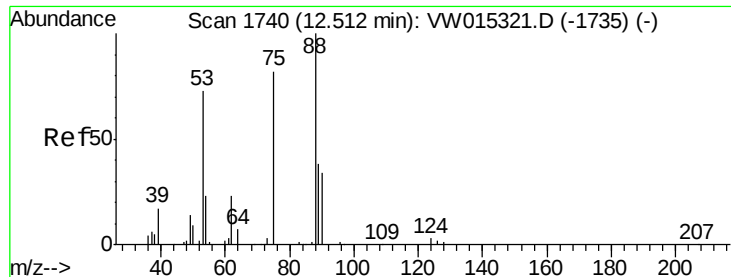
120 50.3 24.9 74.8



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: 19.022 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

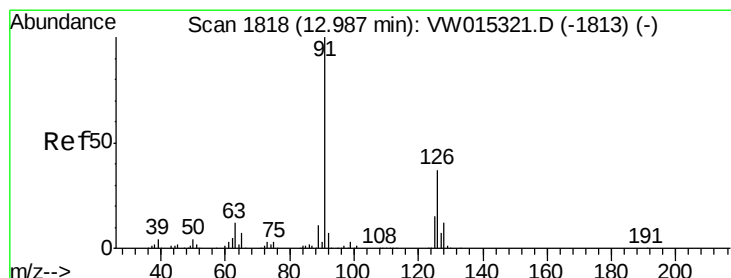
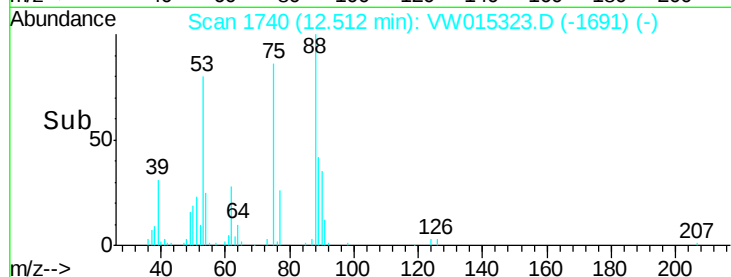
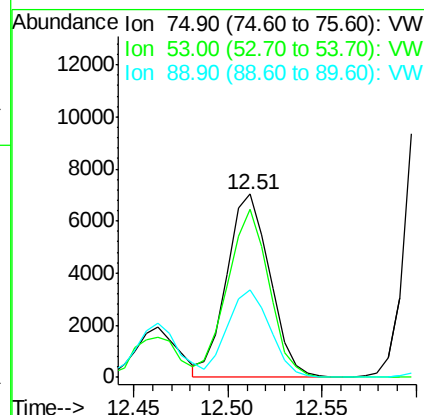
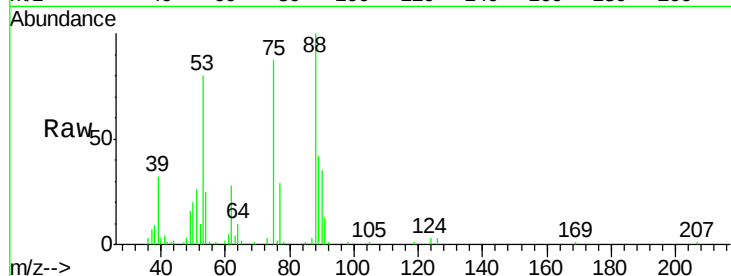
ClientSampleId :

VW0423SBS01

Tot Ion:	75	Resp:	11218
Ion	Ratio	Lower	Upper
75	100		
53	88.5	69.4	104.2
89	47.1	34.8	52.2

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.991 ug/l

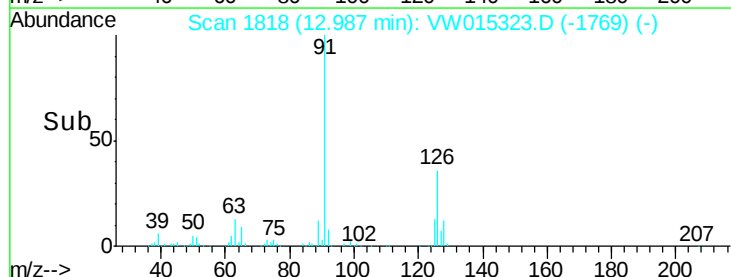
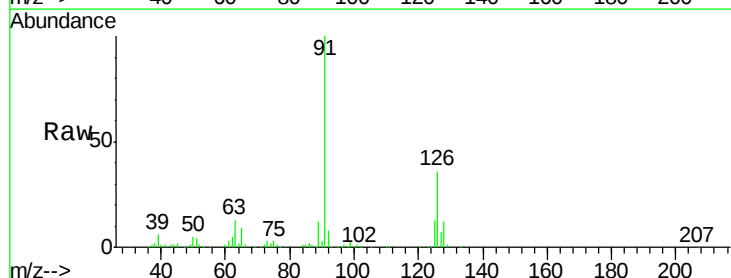
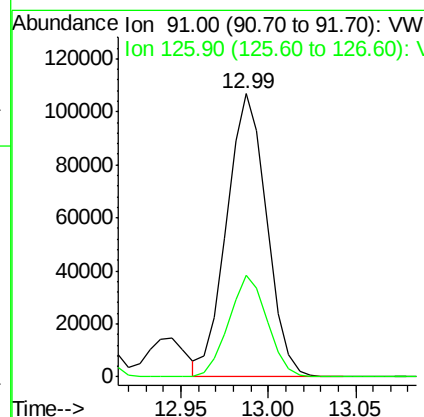
RT: 12.99 min Scan# 1818

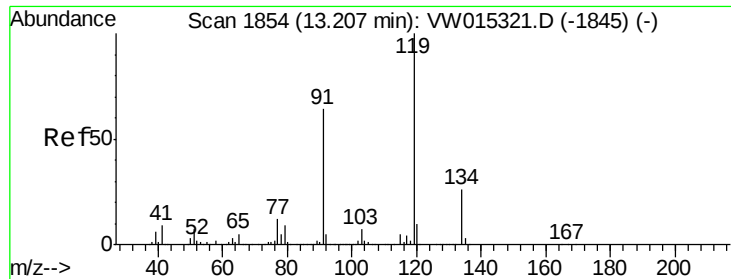
Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	91	Resp:	168969
Ion	Ratio	Lower	Upper
91	100		
126	34.8	16.8	50.3





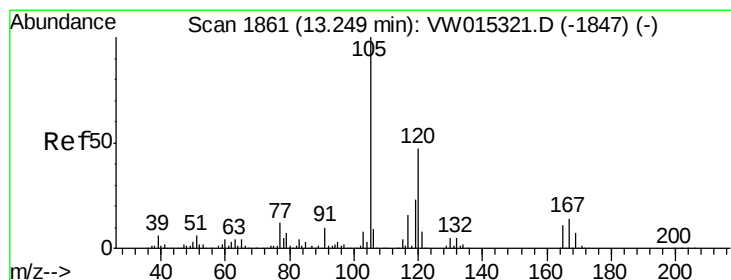
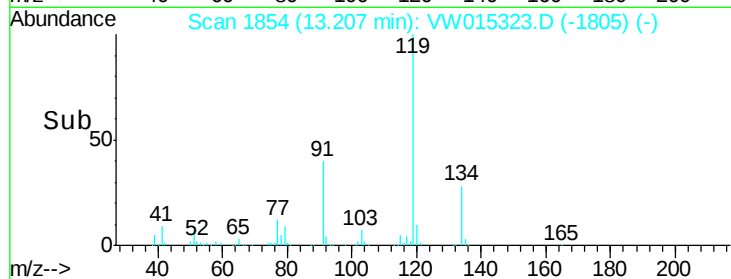
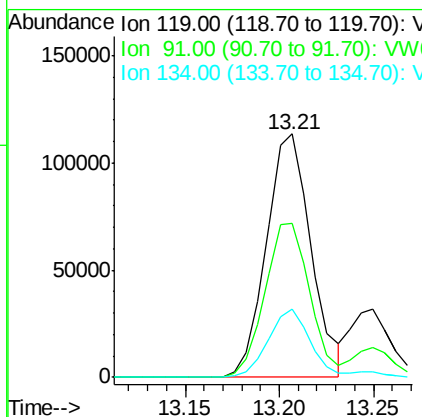
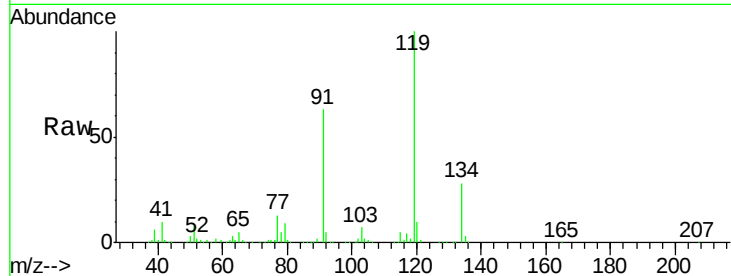
#83
tert-Butylbenzene
Concen: 21.499 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	187023		
91	63.5		32.8	98.3
134	26.3		13.3	39.9

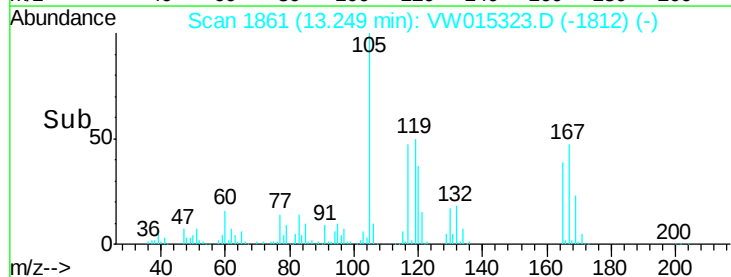
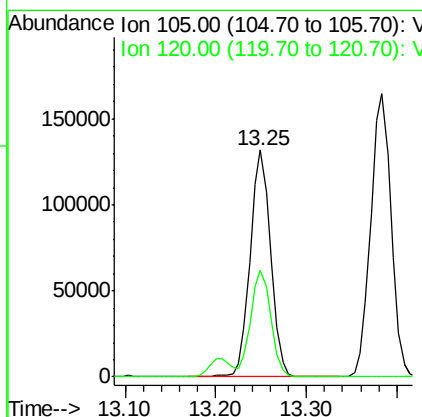
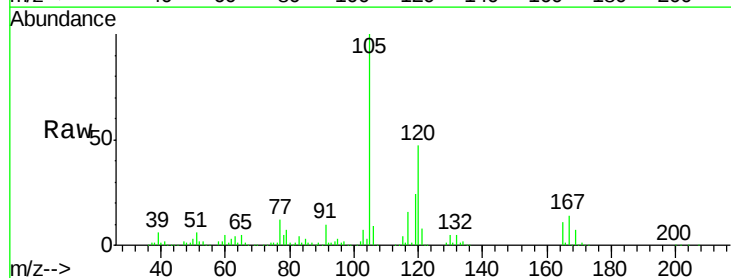
Manual Integrations
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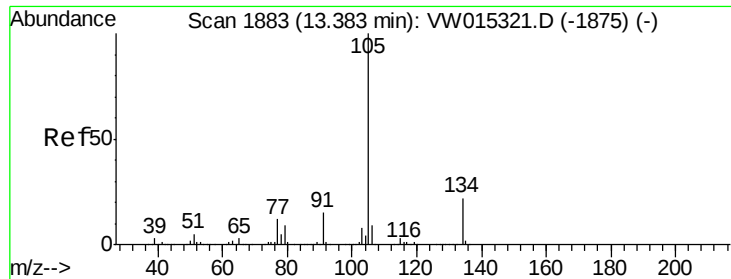
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#84
1,2,4-Trimethylbenzene
Concen: 20.965 ug/l
RT: 13.25 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	205807		
120	46.1		23.0	69.0





#85

sec-Butylbenzene

Concen: 21.364 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

ClientSampleId :

VW0423SBS01

Tot Ion:105 Resp: 256667

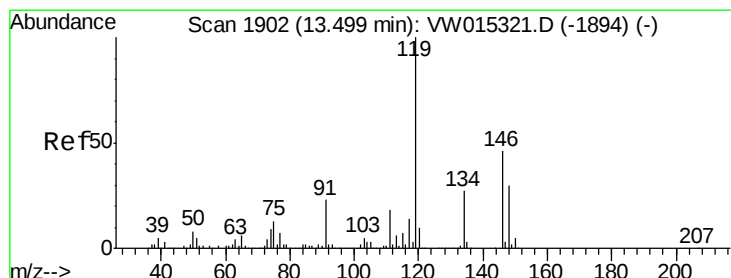
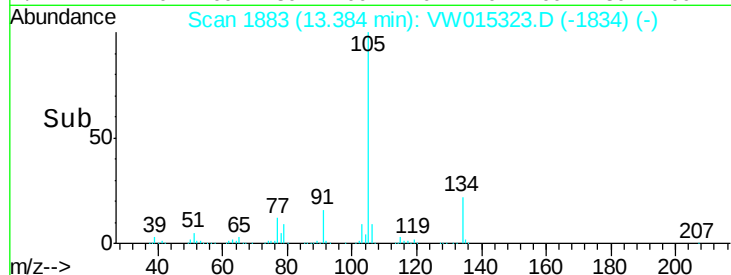
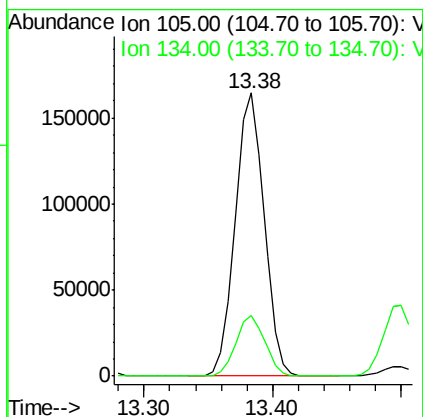
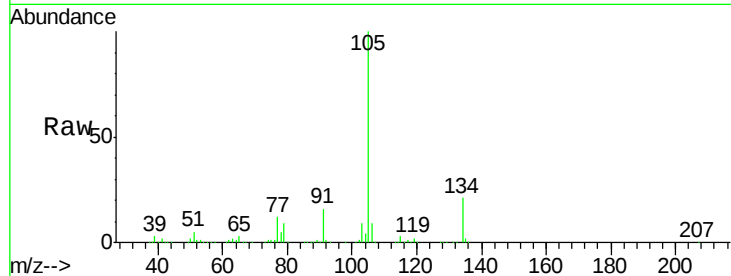
Ion Ratio Lower Upper

105 100

134 21.3 10.1 30.1

Manual Integrations
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#86

p-Isopropyltoluene

Concen: 21.658 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

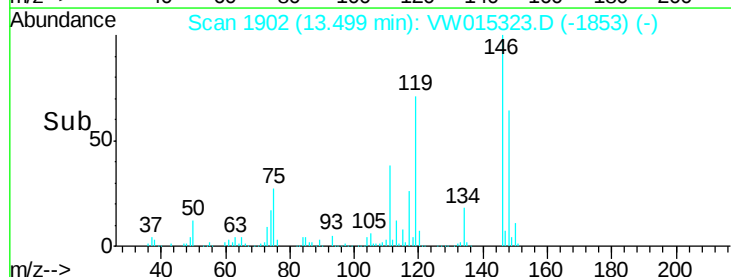
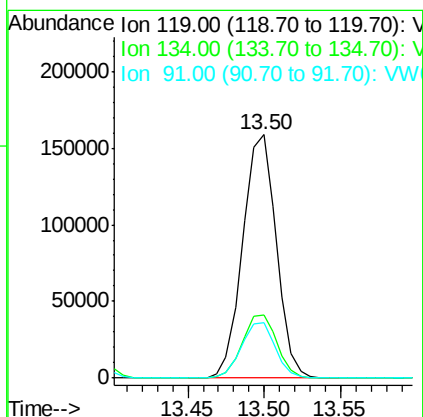
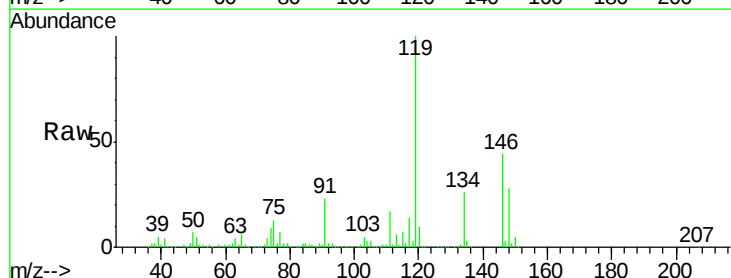
Tgt Ion:119 Resp: 241773

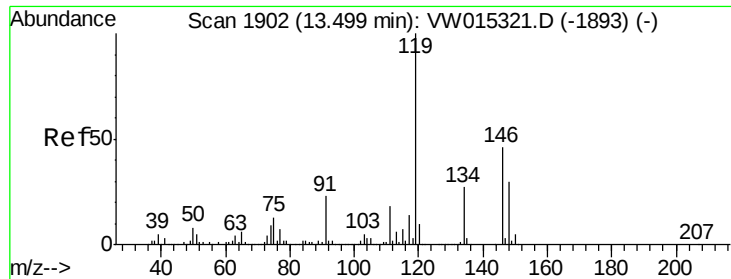
Ion Ratio Lower Upper

119 100

134 26.8 13.3 39.9

91 23.1 12.0 36.1





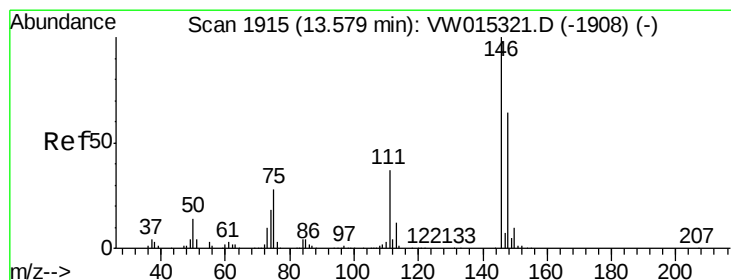
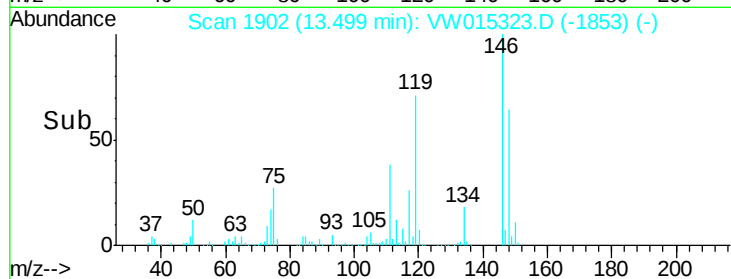
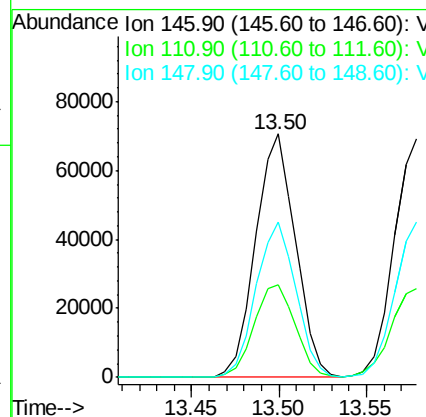
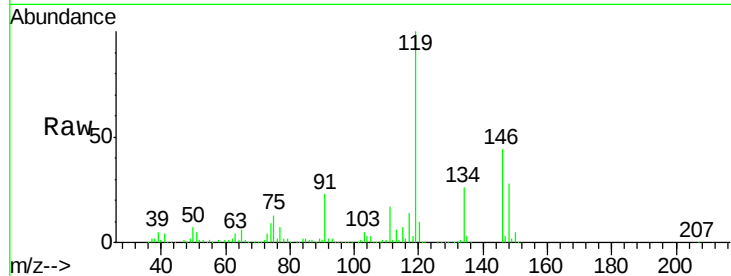
#87
 1,3-Dichlorobenzene
 Concen: 21.213 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	111887		
111	39.4	21.1	63.4	
148	64.0	31.8	95.3	

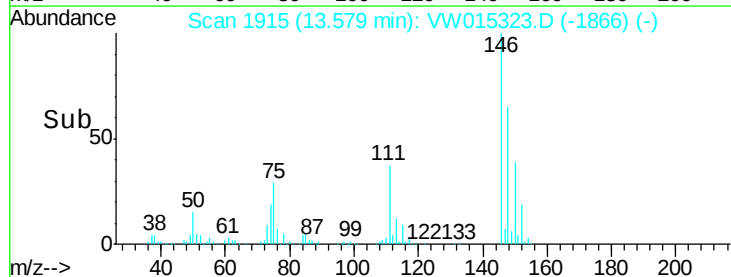
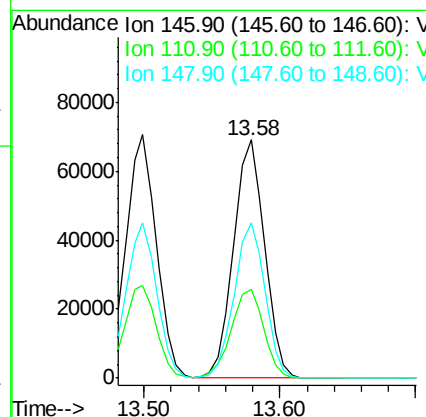
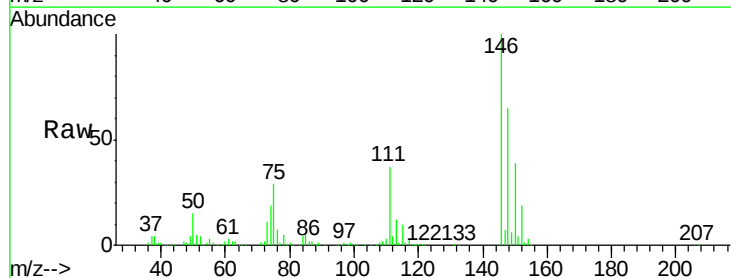
Manual Integrations
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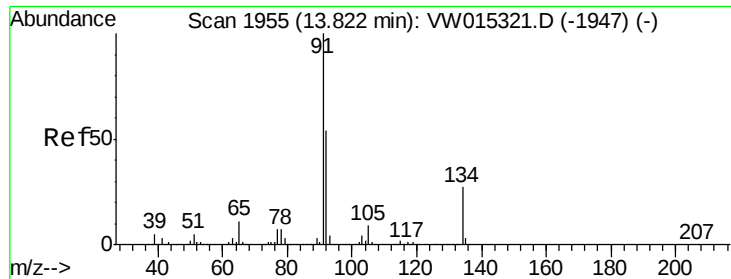
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 4/24/2020 1:32:44 PM



#88
 1,4-Dichlorobenzene
 Concen: 21.245 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	109840		
111	39.2	20.4	61.3	
148	64.7	31.5	94.5	





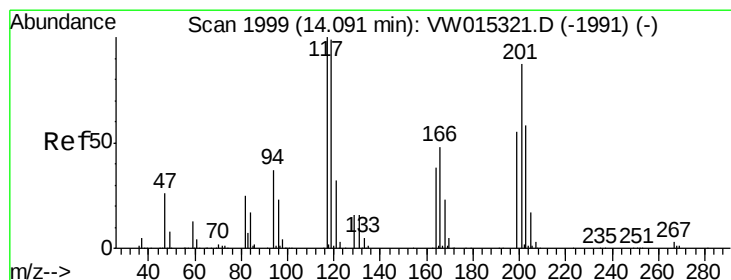
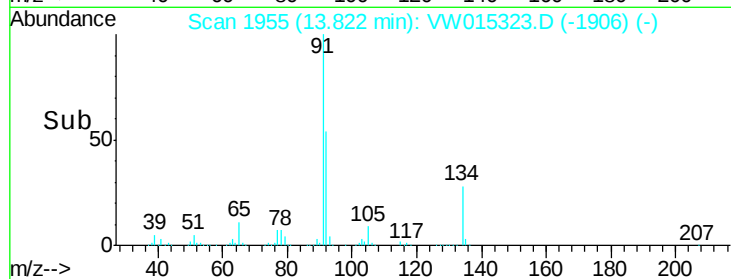
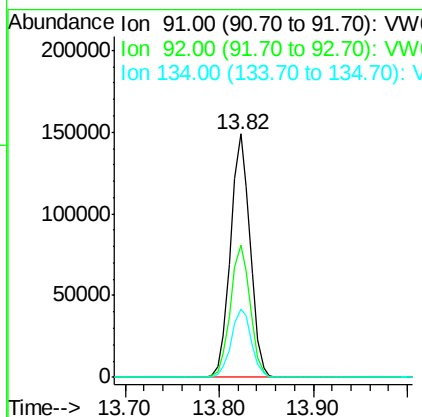
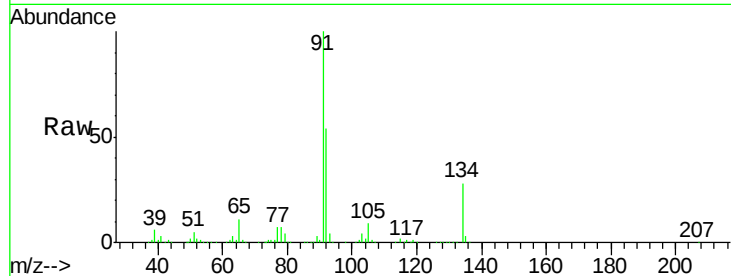
#89
n-Butylbenzene
Concen: 21.026 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Instrument :
MSVOA_W
ClientSampleId :
VW0423SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	214536		
92	54.6		27.6	82.7
134	28.6		12.8	38.3

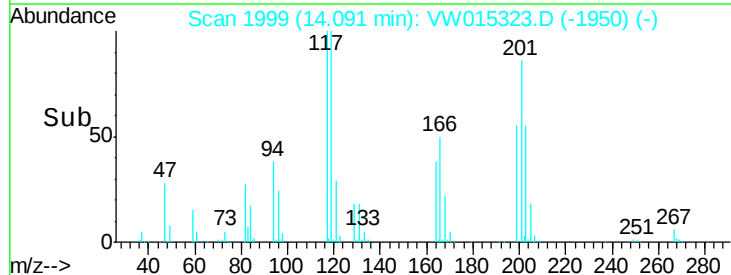
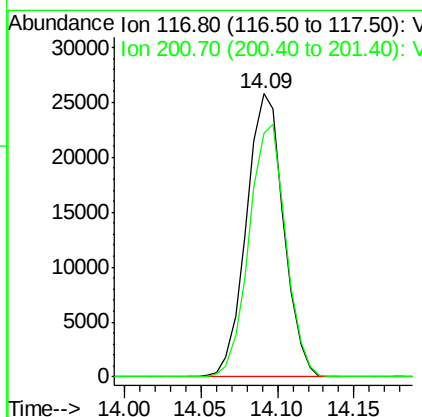
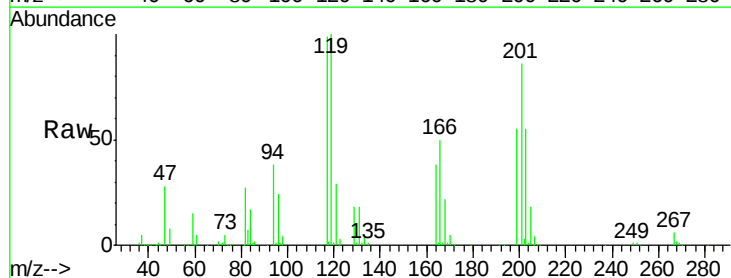
Manual Integrations
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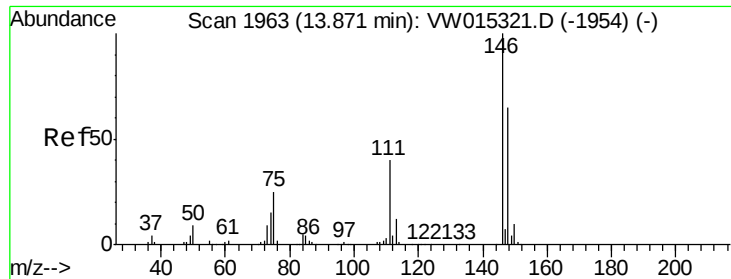
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#90
Hexachloroethane
Concen: 21.332 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. 0.00 min
Lab File: VW015323.D
Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	43671		
201	88.1		33.6	100.6





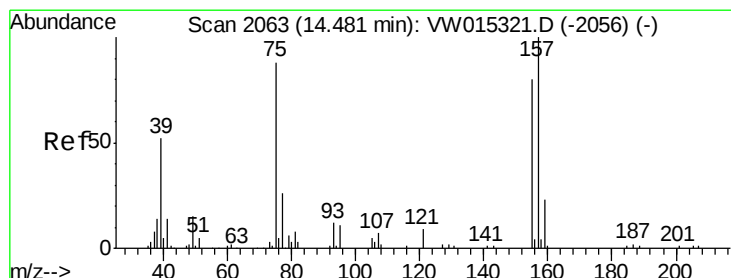
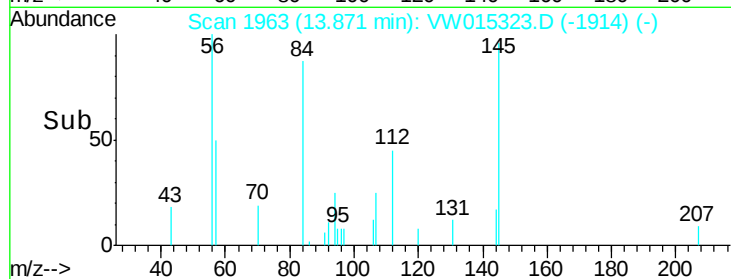
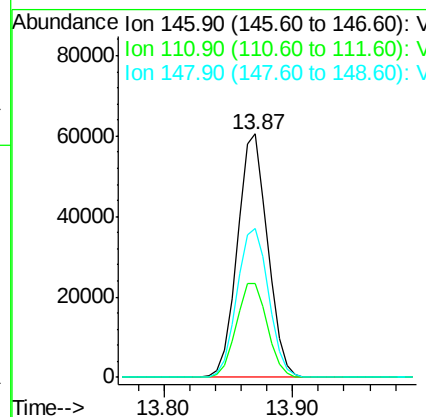
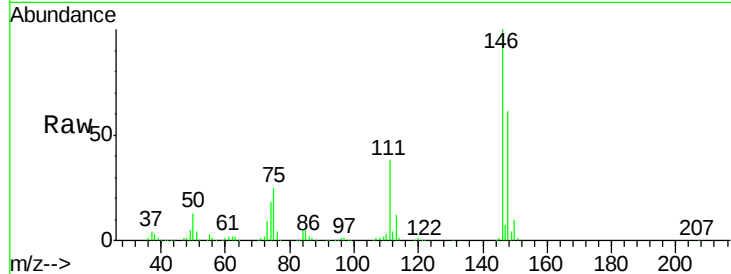
#91
 1,2-Dichlorobenzene
 Concen: 21.428 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.7	21.6	65.0
148	64.1	31.0	93.0

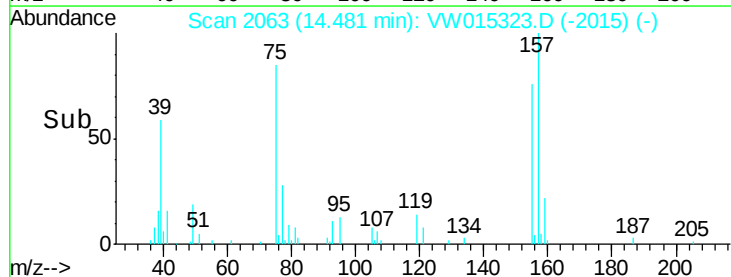
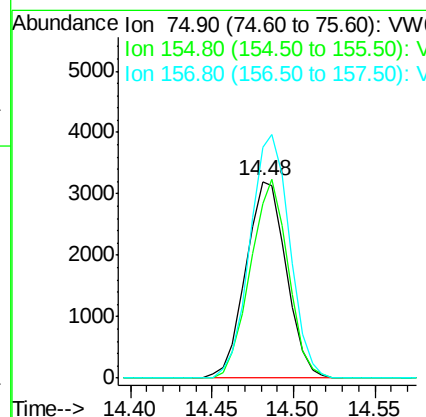
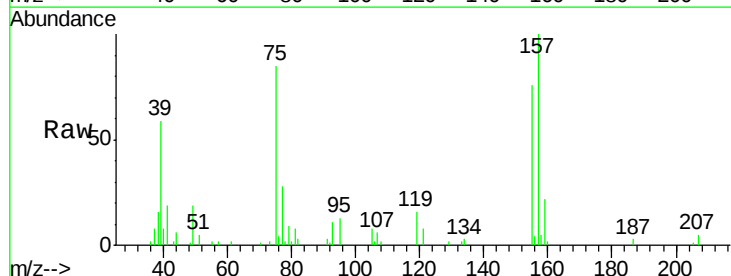
Manual Integrations
 APPROVED

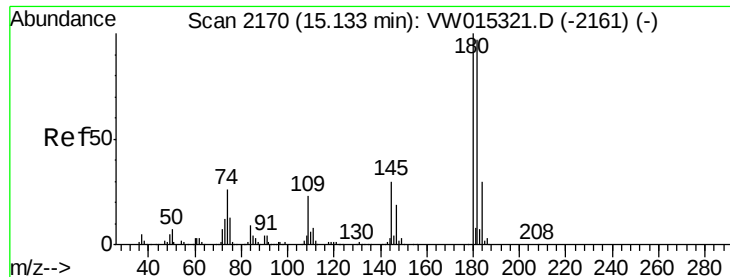
MMDadoda
 4/24/2020 1:32:44 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.597 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
75	100		
155	94.4	41.6	124.9
157	121.3	53.8	161.2





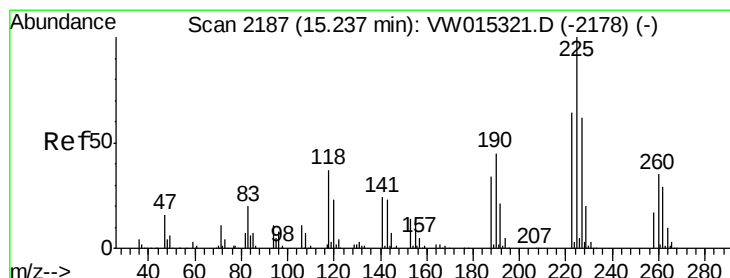
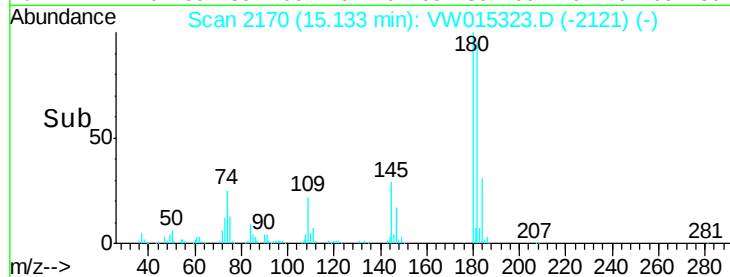
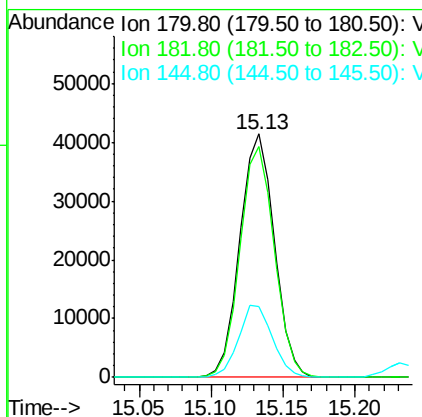
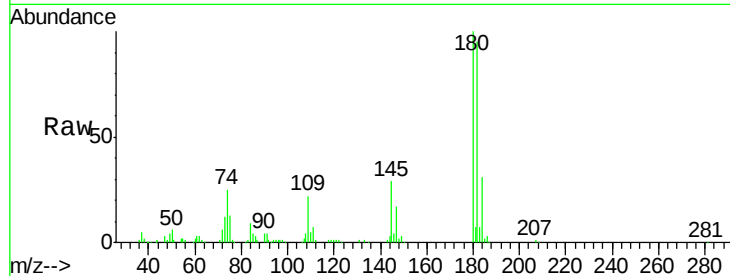
#93
 1,2,4-Trichlorobenzene
 Concen: 21.551 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 VW0423SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.1	141.4
145	29.1	16.2	48.6

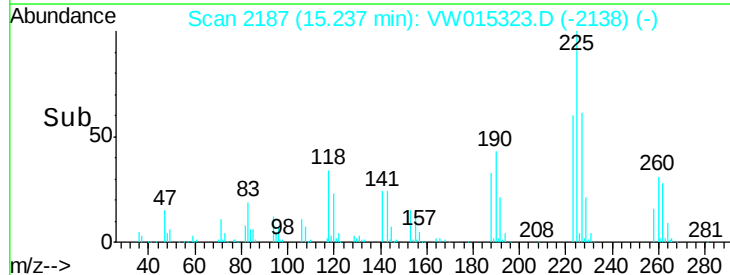
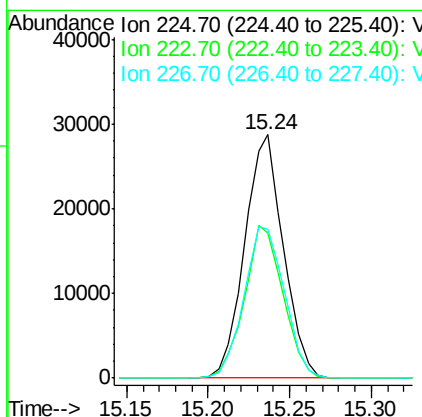
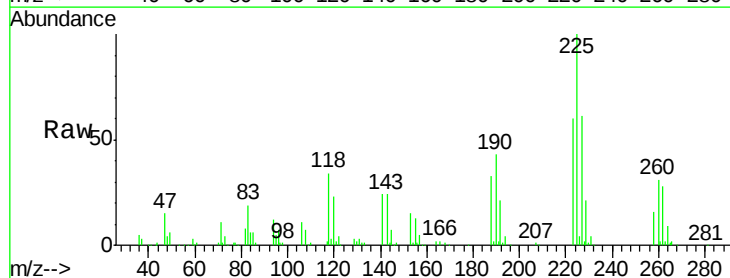
Manual Integrations
 APPROVED

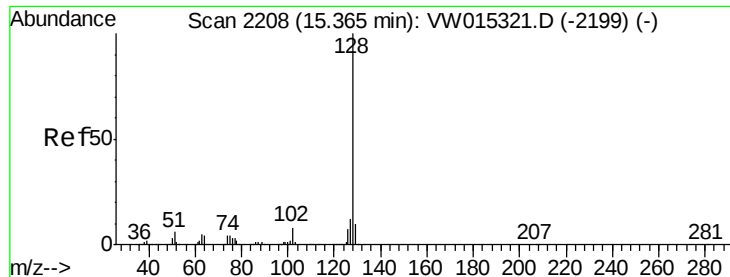
MMDadoda
 4/24/2020 1:32:44 PM



#94
 Hexachlorobutadiene
 Concen: 22.231 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW015323.D
 Acq: 23 Apr 2020 11:19

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	31.0	93.0
227	65.2	30.8	92.3





#95

Naphthalene

Concen: 19.638 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Instrument :

MSVOA_W

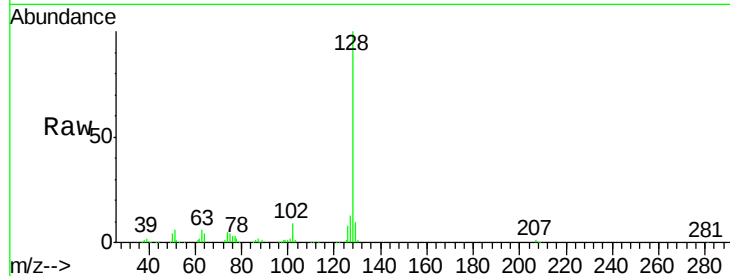
ClientSampleId :

VW0423SBS01

Tot Ion:	128	Resp:	100637
Ion Ratio	Lower	Upper	
128	100		
127	13.4	10.3	15.5
129	10.9	8.6	12.8

Manual Integrations
APPROVED

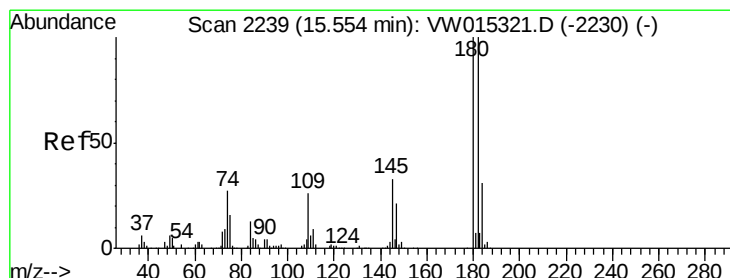
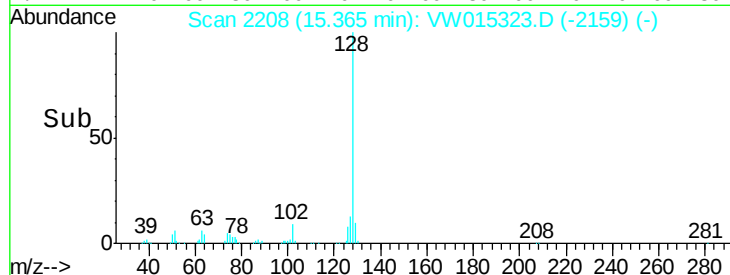
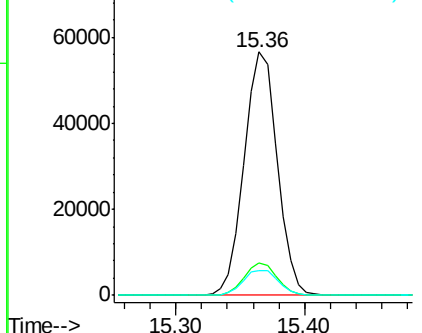
MMDadoda
4/24/2020 1:32:44 PM



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: 22.027 ug/l

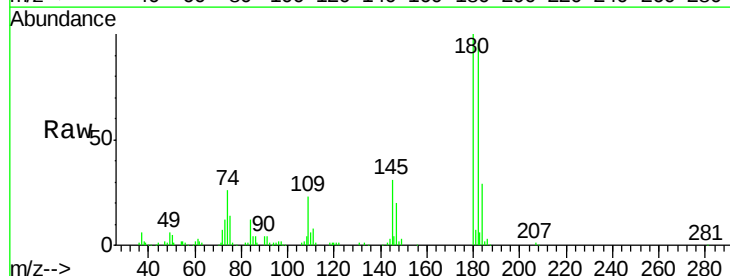
RT: 15.55 min Scan# 2239

Delta R.T. 0.00 min

Lab File: VW015323.D

Acq: 23 Apr 2020 11:19

Tgt Ion:	180	Resp:	57094
Ion Ratio	Lower	Upper	
180	100		
182	94.4	48.8	146.3
145	31.0	17.2	51.6



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

