

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW102419\
 Data File : VW013713.D
 Acq On : 24 Oct 2019 16:17
 Operator : SY/VA
 Sample : VW1024SBSD01
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Manual Integrations
 APPROVED

MMDadoda
 10/25/2019 4:47:27 PM

Quant Time: Oct 25 08:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	341487	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	479704	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	406054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	209329	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	125758	49.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.18%	
35) Dibromofluoromethane	7.88	113	131274	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
50) Toluene-d8	10.32	98	541626	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
62) 4-Bromofluorobenzene	12.62	95	180649	49.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	35790	19.894	ug/l	94
3) Chloromethane	2.21	50	41543	21.486	ug/l	94
4) Vinyl Chloride	2.36	62	62796	21.506	ug/l	97
5) Bromomethane	2.78	94	40060	20.861	ug/l	94
6) Chloroethane	2.92	64	36864	20.865	ug/l	94
7) Trichlorofluoromethane	3.26	101	38441	21.077	ug/l	96
8) Diethyl Ether	3.68	74	30000	20.360	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	4.07	101	61878	20.870	ug/l	98
10) Methyl Iodide	4.28	142	98538	20.395	ug/l	99
11) Tert butyl alcohol	5.19	59	15746	102.963	ug/l #	81
12) 1,1-Dichloroethene	4.04	96	63021	20.577	ug/l	93
13) Acrolein	3.90	56	14458	82.521	ug/l	99
14) Allyl chloride	4.67	41	94551	20.078	ug/l	98
15) Acrylonitrile	5.37	53	59374	99.097	ug/l	99
16) Acetone	4.13	43	48009	88.388	ug/l	98
17) Carbon Disulfide	4.38	76	181100	20.590	ug/l	99
18) Methyl Acetate	4.67	43	32708	21.967	ug/l	98
19) Methyl tert-butyl Ether	5.42	73	75515	20.547	ug/l	100
20) Methylene Chloride	4.92	84	74028	22.124	ug/l	96
21) trans-1,2-Dichloroethene	5.43	96	67610	20.511	ug/l	95
22) Diisopropyl ether	6.31	45	173916	20.246	ug/l	97
23) Vinyl Acetate	6.26	43	497669	99.846	ug/l	99
24) 1,1-Dichloroethane	6.21	63	111965	20.580	ug/l	99
25) 2-Butanone	7.17	43	74872	95.879	ug/l	95
26) 2,2-Dichloropropane	7.16	77	66536	21.150	ug/l	97
27) cis-1,2-Dichloroethene	7.16	96	71307	20.367	ug/l	97
28) Bromochloromethane	7.51	49	28691	15.746	ug/l #	98
29) Tetrahydrofuran	7.53	42	47770	98.809	ug/l	100
30) Chloroform	7.67	83	107379	19.966	ug/l	93
31) Cyclohexane	7.95	56	110660	19.436	ug/l	94
32) 1,1,1-Trichloroethane	7.87	97	89469	21.199	ug/l	99
36) 1,1-Dichloropropene	8.08	75	93246	20.872	ug/l	99
37) Ethyl Acetate	7.26	43	34085	19.931	ug/l	98
38) Carbon Tetrachloride	8.07	117	84901	21.104	ug/l	97

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Manual Integrations
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Quant Time: Oct 25 08:09:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W102319S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 23 14:11:46 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	117675	20.397	ug/l	96
40) Benzene	8.32	78	262339	20.750	ug/l	100
41) Methacrylonitrile	7.48	41	21793	20.435	ug/l	94
42) 1,2-Dichloroethane	8.40	62	67390	21.152	ug/l	99
43) Isopropyl Acetate	8.42	43	64730	19.774	ug/l	99
44) Trichloroethene	9.09	130	75734	20.912	ug/l	98
45) 1,2-Dichloropropane	9.37	63	61739	20.444	ug/l	97
46) Dibromomethane	9.46	93	29827	20.350	ug/l	99
47) Bromodichloromethane	9.64	83	77268	20.374	ug/l	99
48) Methyl methacrylate	9.43	41	33032	20.348	ug/l	98
49) 1,4-Dioxane	9.46	88	8250	380.903	ug/l #	98
51) 4-Methyl-2-Pentanone	10.21	43	162957	100.179	ug/l	99
52) Toluene	10.38	92	168346	20.642	ug/l	99
53) t-1,3-Dichloropropene	10.60	75	74754	19.471	ug/l	98
54) cis-1,3-Dichloropropene	10.07	75	94606	19.973	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	44736	20.479	ug/l	97
56) Ethyl methacrylate	10.65	69	54942	20.103	ug/l	100
57) 1,3-Dichloropropane	10.93	76	76799	20.487	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	122400	97.311	ug/l	98
59) 2-Hexanone	10.97	43	109672	97.799	ug/l	100
60) Dibromochloromethane	11.13	129	52330	20.177	ug/l	100
61) 1,2-Dibromoethane	11.23	107	42821	20.720	ug/l	97
64) Tetrachloroethene	10.86	164	65408	21.083	ug/l	97
65) Chlorobenzene	11.66	112	170337	20.414	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.73	131	59932	20.581	ug/l	98
67) Ethyl Benzene	11.73	91	311454	20.700	ug/l	100
68) m/p-Xylenes	11.84	106	242156	41.658	ug/l	99
69) o-Xylene	12.16	106	108593	20.324	ug/l	98
70) Styrene	12.18	104	184555	20.103	ug/l	97
71) Bromoform	12.35	173	30721	20.103	ug/l #	98
73) Isopropylbenzene	12.46	105	308750	20.539	ug/l	100
74) N-amyl acetate	12.27	43	57616	19.813	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.71	83	48186	20.313	ug/l	100
76) 1,2,3-Trichloropropane	12.77	75	30705m	20.425	ug/l	
77) Bromobenzene	12.74	156	72046	20.062	ug/l	97
78) n-propylbenzene	12.80	91	361080	20.752	ug/l	100
79) 2-Chlorotoluene	12.89	91	202014	20.660	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	261704	20.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.51	75	15343	19.289	ug/l	97
82) 4-Chlorotoluene	12.99	91	211855	20.638	ug/l	99
83) tert-Butylbenzene	13.21	119	231784	20.577	ug/l	98
84) 1,2,4-Trimethylbenzene	13.25	105	260640	20.821	ug/l	99
85) sec-Butylbenzene	13.38	105	318292	20.664	ug/l	100
86) p-Isopropyltoluene	13.50	119	293731	20.471	ug/l	100
87) 1,3-Dichlorobenzene	13.50	146	143057	20.561	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	139623	20.199	ug/l	99
89) n-Butylbenzene	13.82	91	265480	20.498	ug/l	100
90) Hexachloroethane	14.09	117	49847	19.987	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	123471	20.466	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	6547	18.251	ug/l	93

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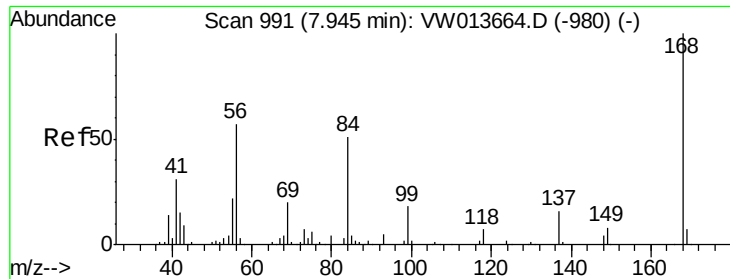
Manual Integrations
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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	84637	19.277	ug/l	99
94) Hexachlorobutadiene	15.24	225	58444	19.718	ug/l	100
95) Naphthalene	15.36	128	126945	18.441	ug/l	100
96) 1,2,3-Trichlorobenzene	15.55	180	71500	18.899	ug/l	100

(#) = 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. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tot Ion: 168 Resp: 341487

Ion Ratio Lower Upper

168 100

99 49.6 39.0 58.6

Instrument :

MSVOA_W

ClientSampleId :

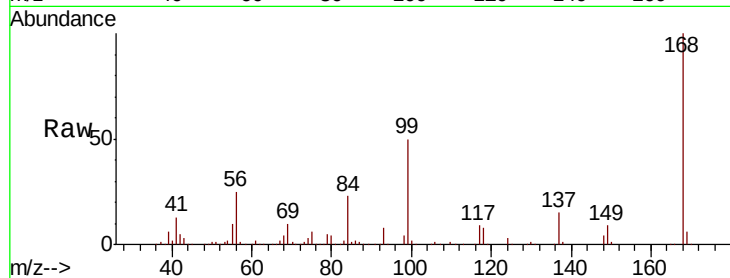
VW1024SBS01

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

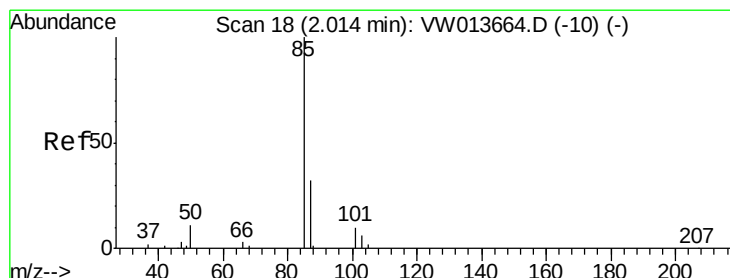
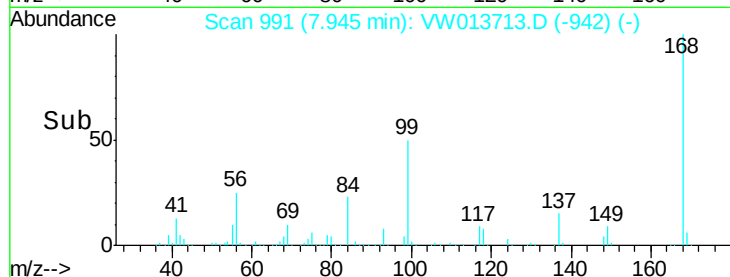
150000

100000

50000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 19.894 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW013713.D

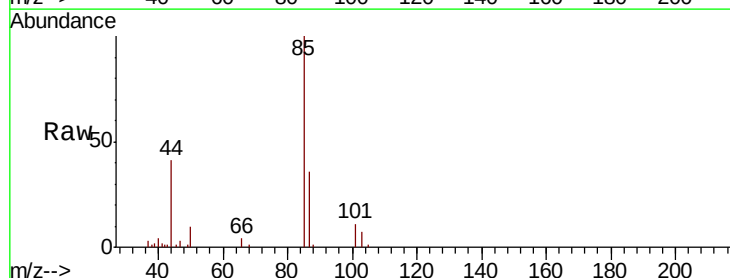
Acq: 24 Oct 2019 16:17

Tgt Ion: 85 Resp: 35790

Ion Ratio Lower Upper

85 100

87 35.6 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

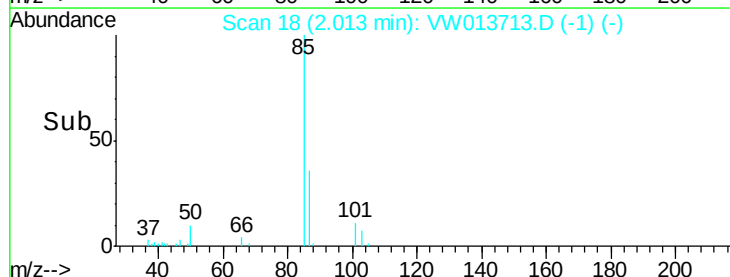
2.01

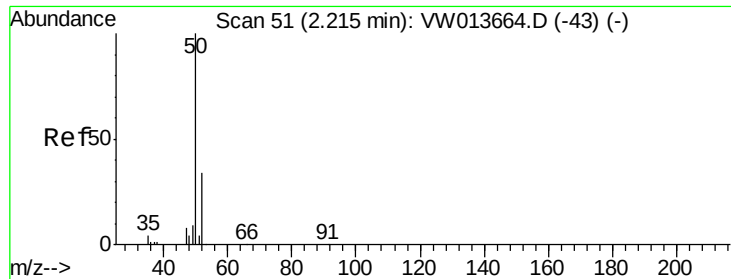
10000

5000

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 21.486 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBSD01

Tot Ion: 50 Resp: 41543

Ion Ratio Lower Upper

50 100

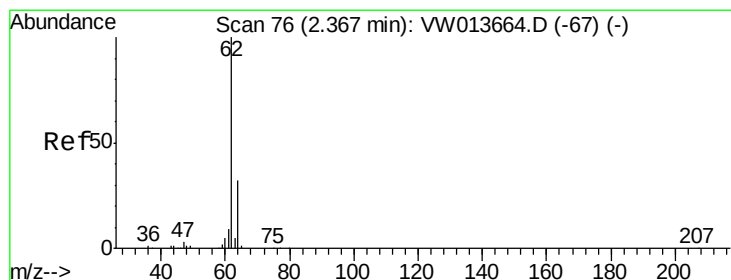
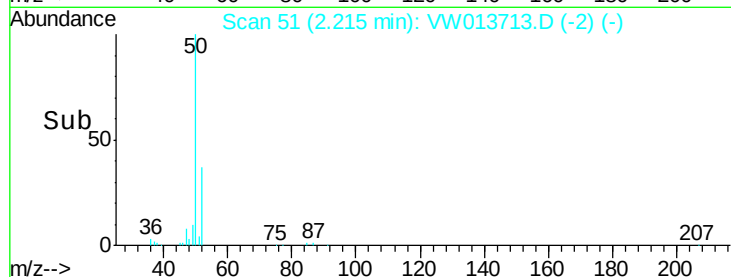
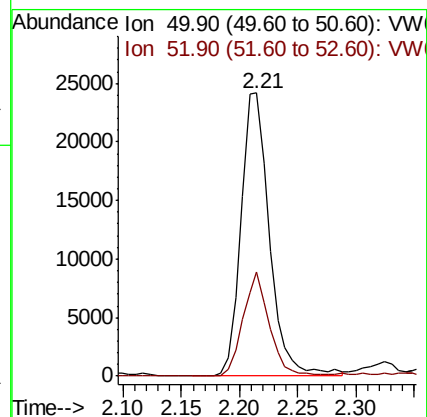
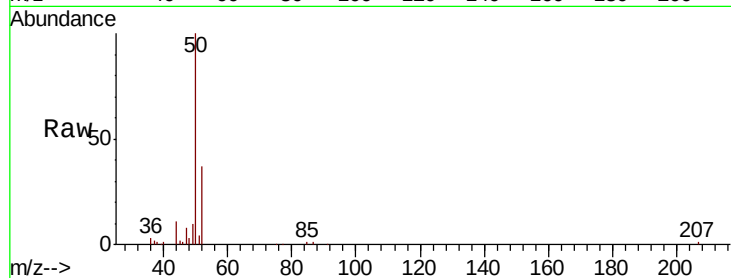
52 36.9 26.9 40.3

Manual Integrations

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#4

Vinyl Chloride

Concen: 21.506 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW013713.D

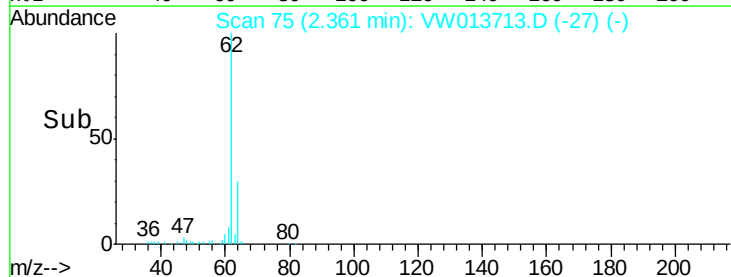
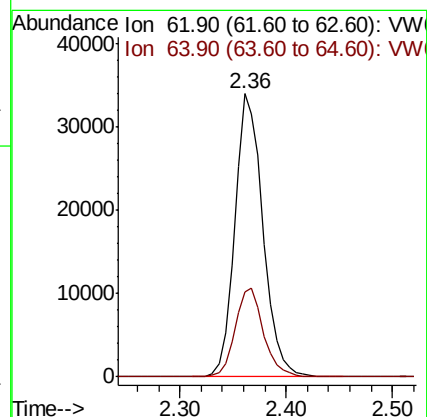
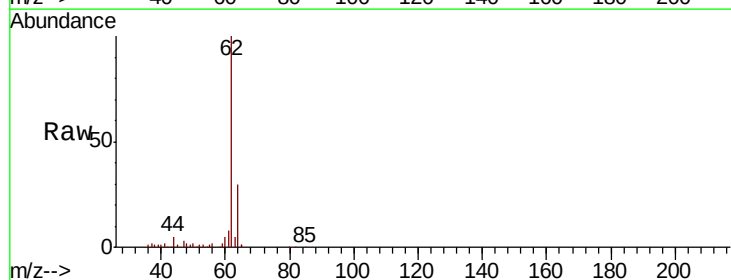
Acq: 24 Oct 2019 16:17

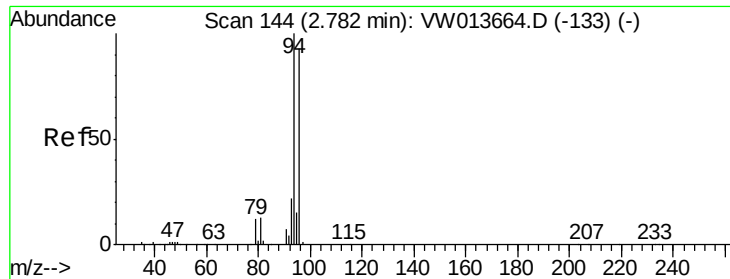
Tgt Ion: 62 Resp: 62796

Ion Ratio Lower Upper

62 100

64 30.1 25.5 38.3





#5

Bromomethane

Concen: 20.861 ug/l

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBSD01

Tot Ion: 94 Resp: 40060

Ion Ratio Lower Upper

94 100

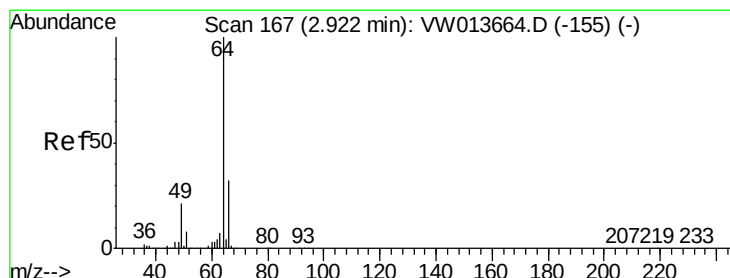
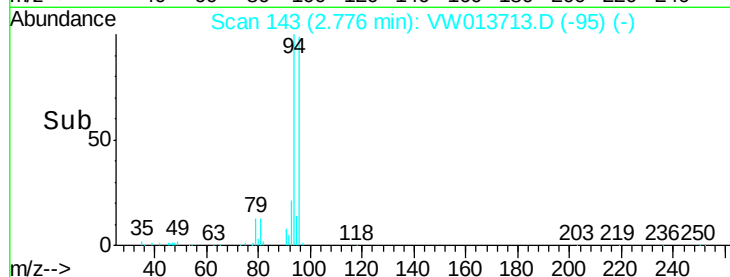
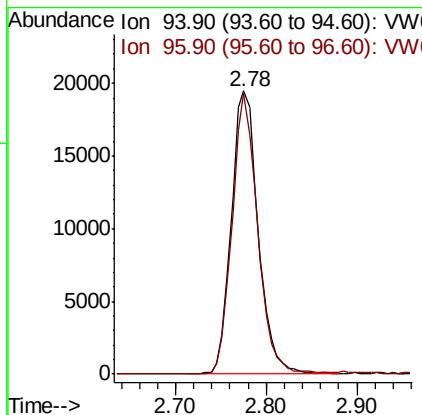
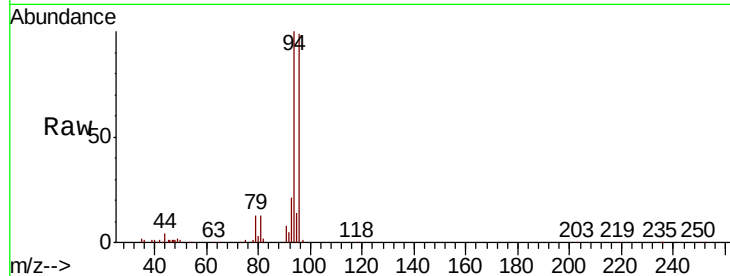
96 99.0 74.6 112.0

Manual Integrations

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#6

Chloroethane

Concen: 20.865 ug/l

RT: 2.92 min Scan# 167

Delta R.T. -0.00 min

Lab File: VW013713.D

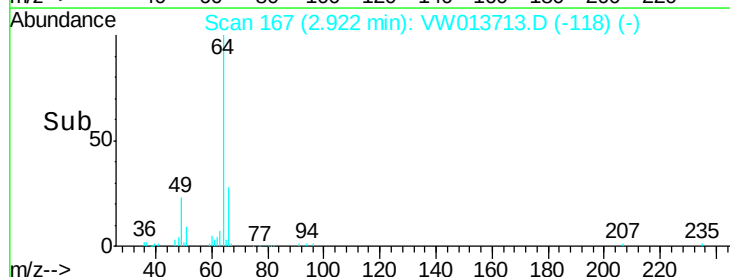
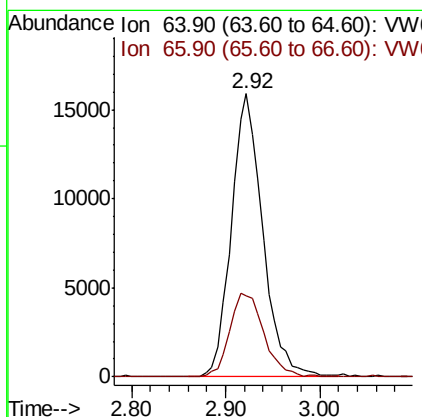
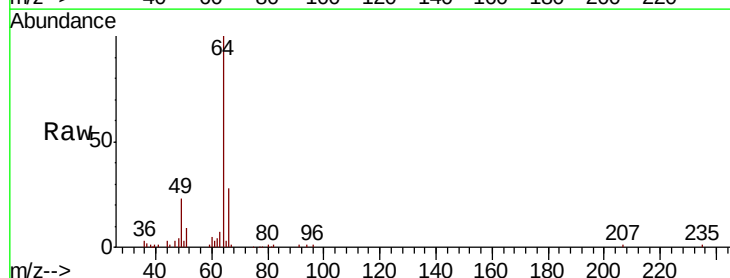
Acq: 24 Oct 2019 16:17

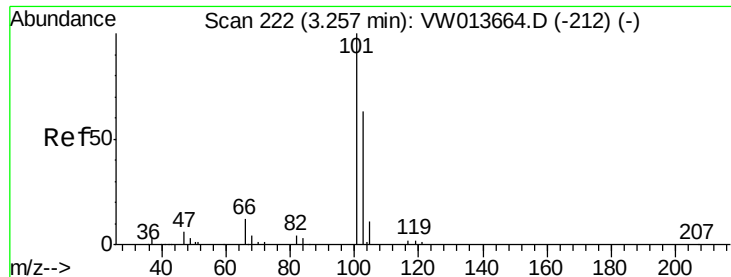
Tgt Ion: 64 Resp: 36864

Ion Ratio Lower Upper

64 100

66 28.5 25.4 38.0





#7

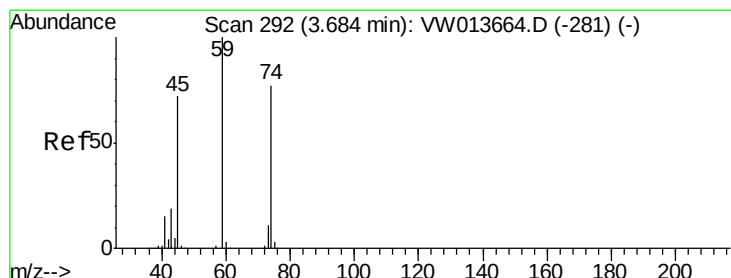
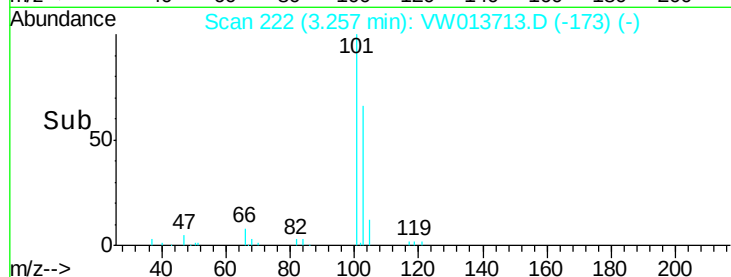
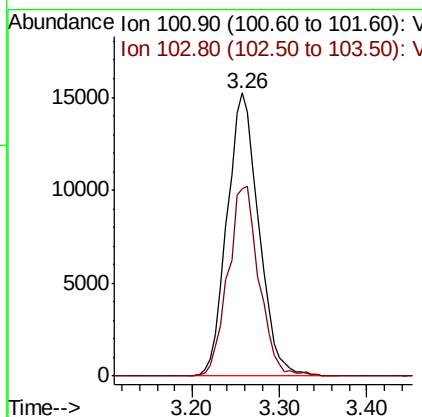
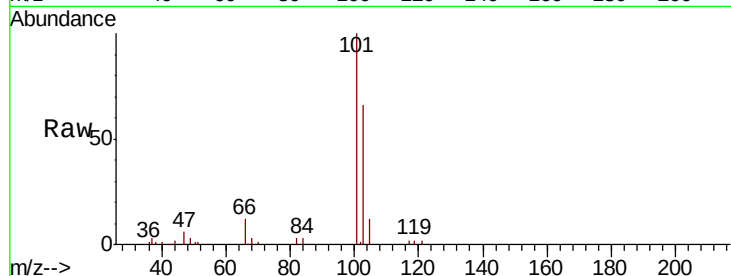
Trichlorofluoromethane
 Concen: 21.077 ug/l
 RT: 3.26 min Scan# 222
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
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 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.6	76.0

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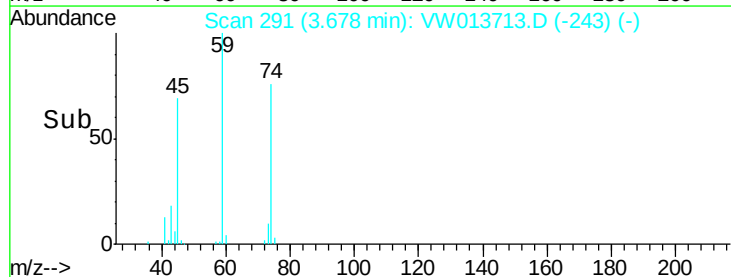
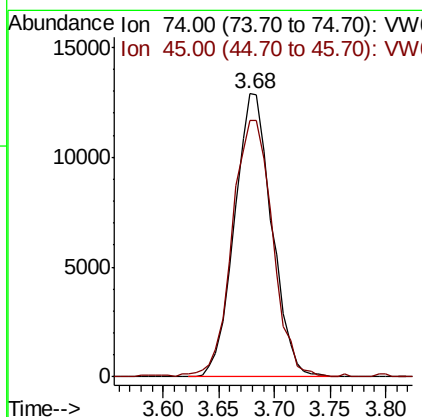
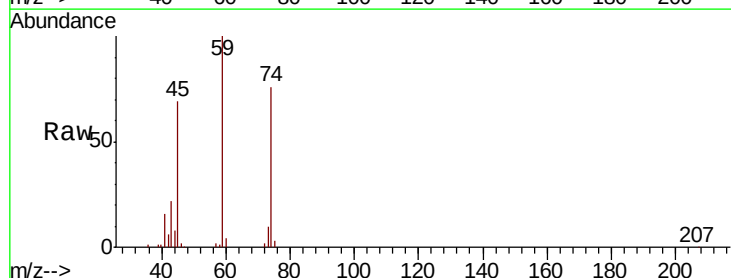
MMDadoda
 10/25/2019 4:47:27 PM

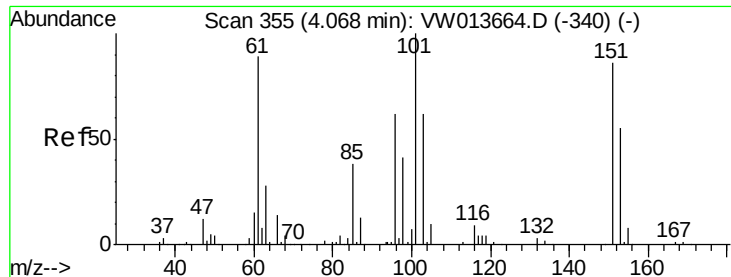


#8

Diethyl Ether
 Concen: 20.360 ug/l
 RT: 3.68 min Scan# 291
 Delta R.T. -0.01 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
74	100		
45	97.9	47.9	143.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.870 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion:101 Resp: 61878

Ion Ratio Lower Upper

101 100

85 39.6 31.0 46.6

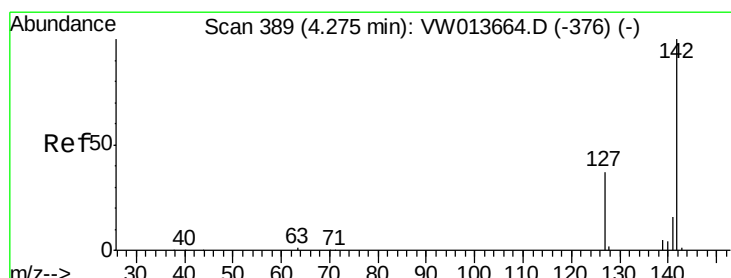
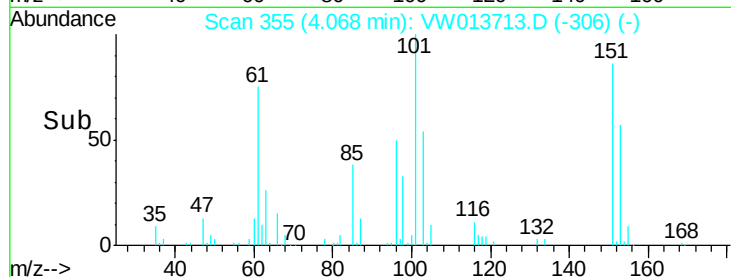
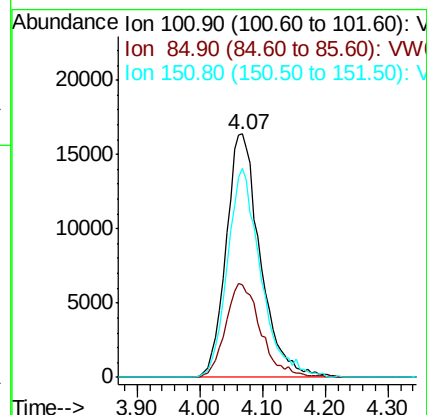
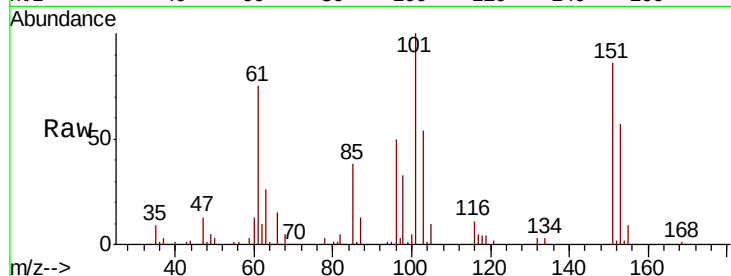
151 83.7 68.2 102.4

Manual Integrations

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#10

Methyl Iodide

Concen: 20.395 ug/l

RT: 4.28 min Scan# 389

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

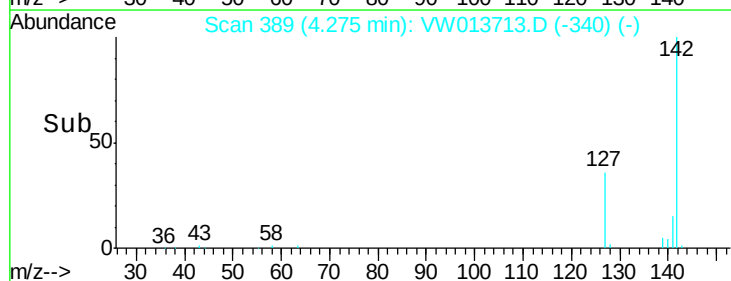
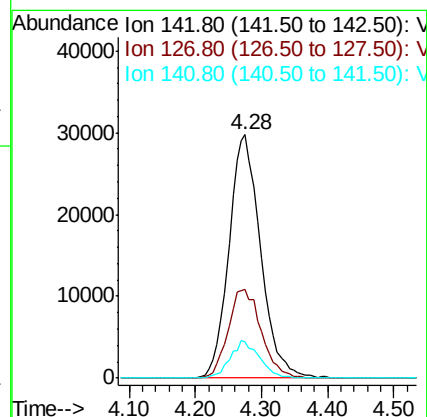
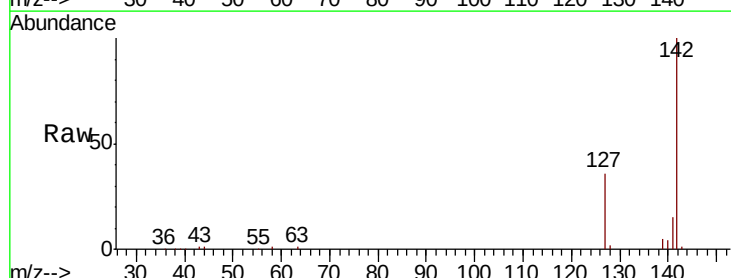
Tgt Ion:142 Resp: 98538

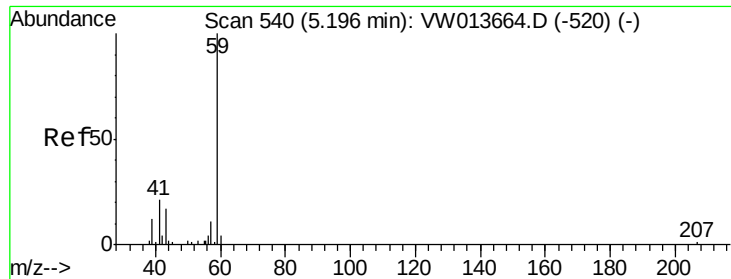
Ion Ratio Lower Upper

142 100

127 38.2 30.3 45.5

141 14.2 11.8 17.8





#11

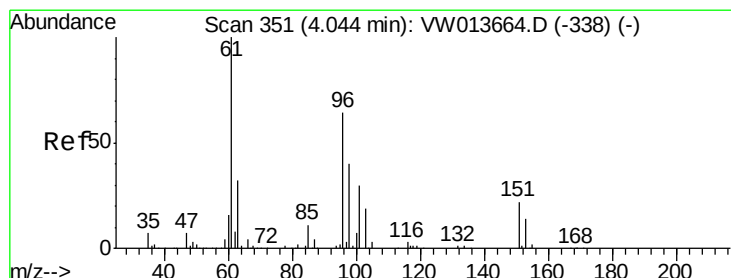
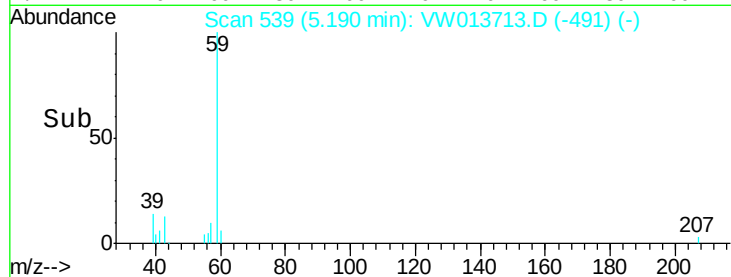
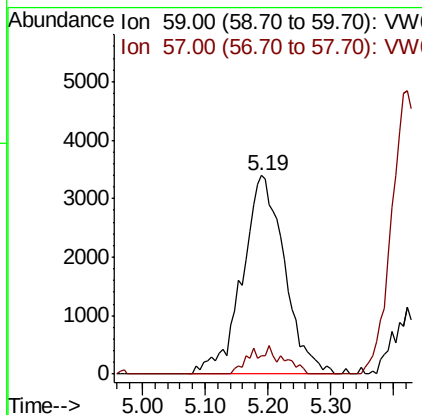
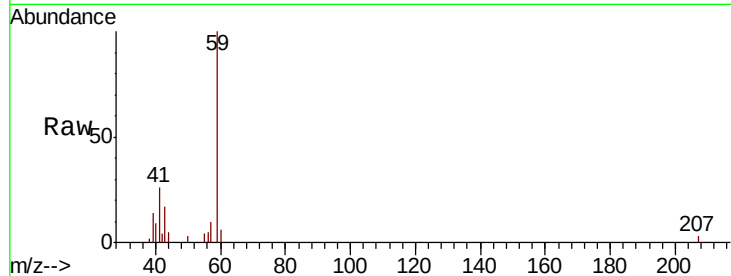
Tert butyl alcohol
Concen: 102.963 ug/l
RT: 5.19 min Scan# 539
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	59	57	Ratio	100	3.9	Resp:	15746	Lower	Upper
59	100								
57		3.9				8.8		13.2	

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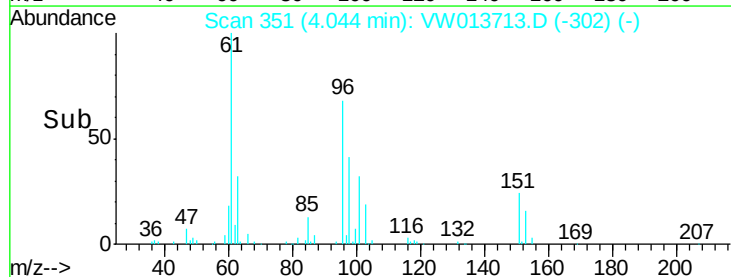
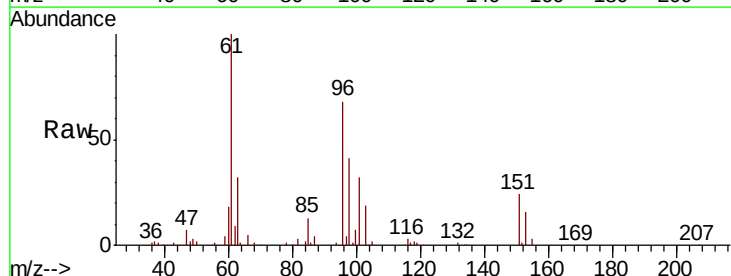
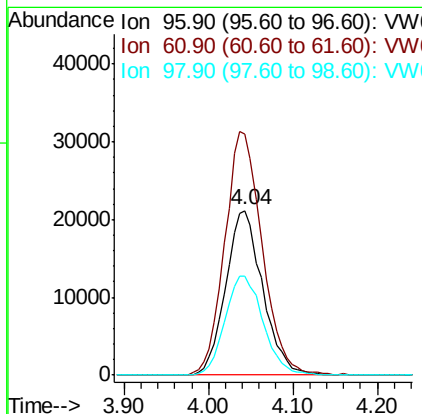
MMDadoda
10/25/2019 4:47:27 PM

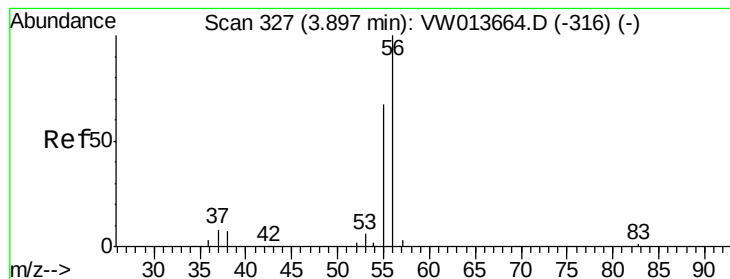


#12

1,1-Dichloroethene
Concen: 20.577 ug/l
RT: 4.04 min Scan# 351
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	96	61	98	Ratio	100	146.2	59.7	Resp:	63021	Lower	Upper
96	100										
61		146.2				125.0				187.6	
98		59.7				50.3				75.5	





#13

Acrolein

Concen: 82.521 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 56 Resp: 14458

Ion Ratio Lower Upper

56 100

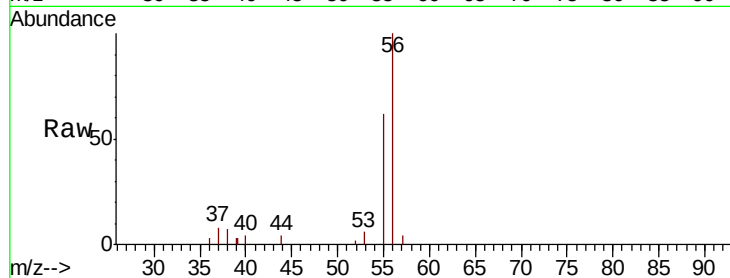
55 68.9 56.1 84.1

Manual Integrations

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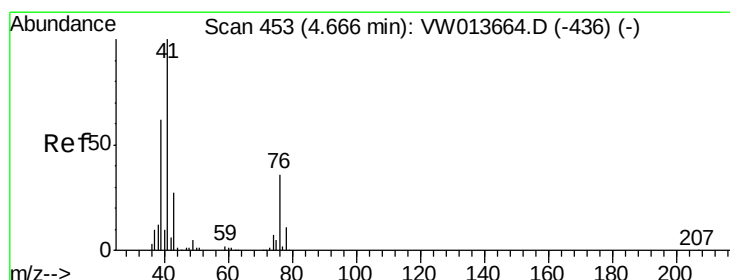
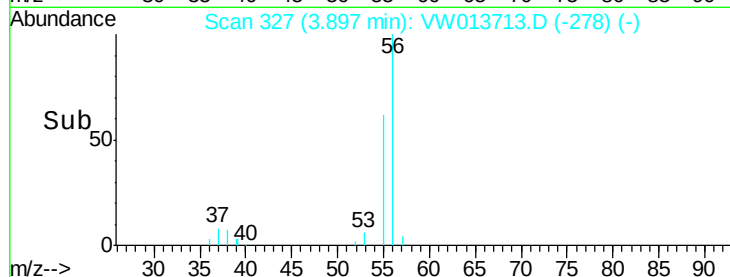
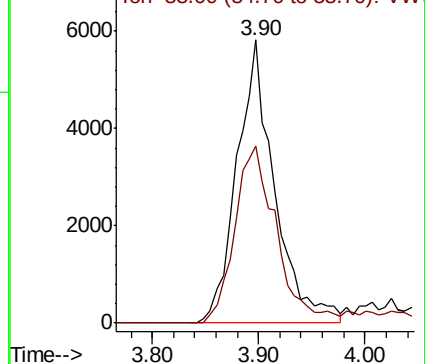
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Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 20.078 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

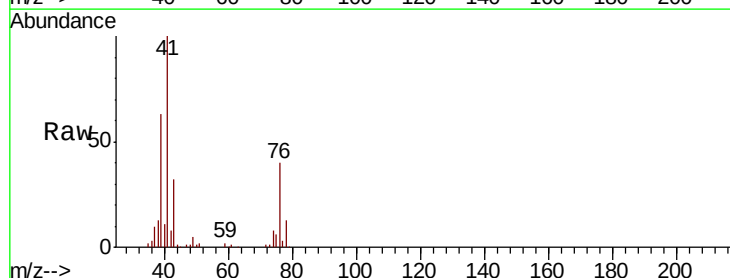
Tgt Ion: 41 Resp: 94551

Ion Ratio Lower Upper

41 100

39 64.5 50.0 75.0

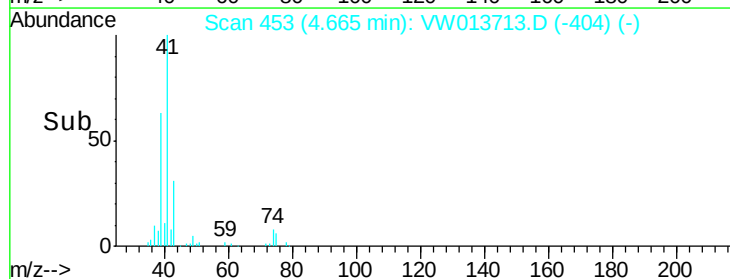
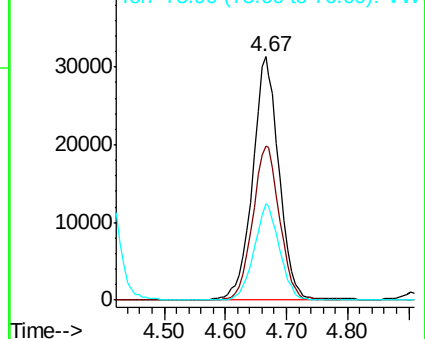
76 37.7 29.6 44.4

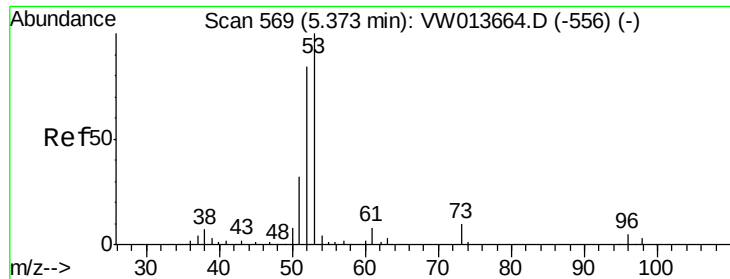


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 99.097 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

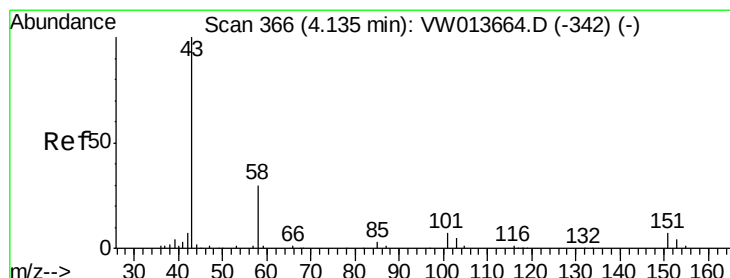
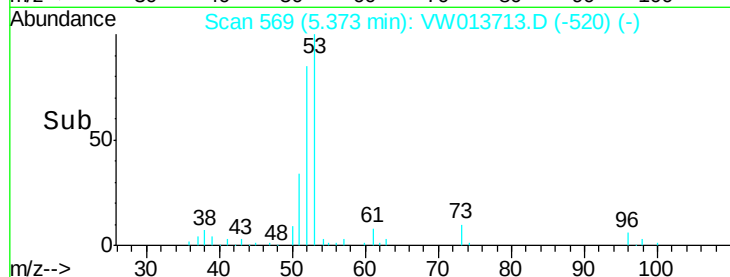
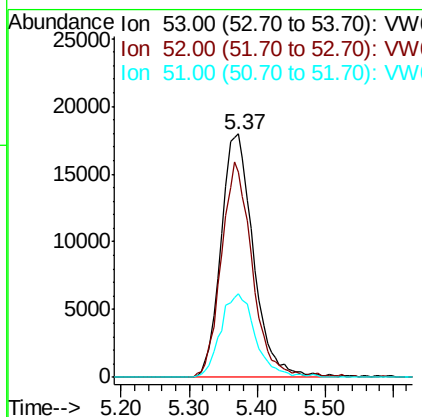
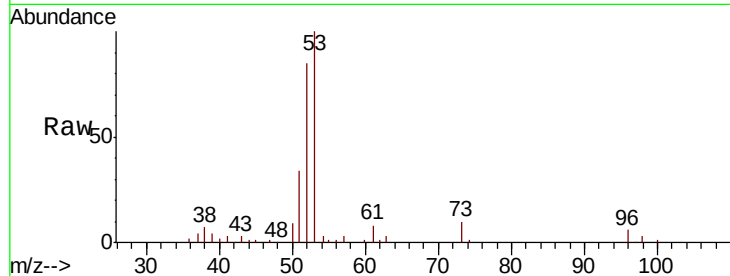
ClientSampleId :

VW1024SBSD01

Tot Ion:	53	Resp:	59374
Ion	Ratio	Lower	Upper
53	100		
52	83.6	67.4	101.0
51	36.9	29.1	43.7

Manual Integrations
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#16

Acetone

Concen: 88.388 ug/l

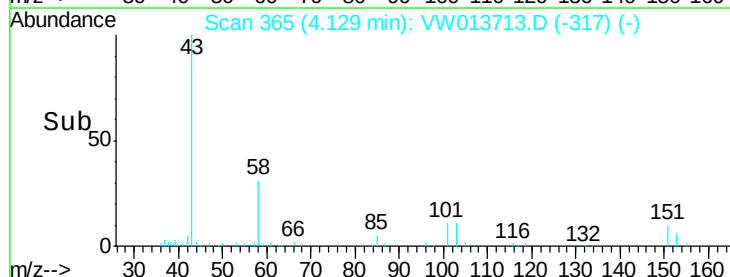
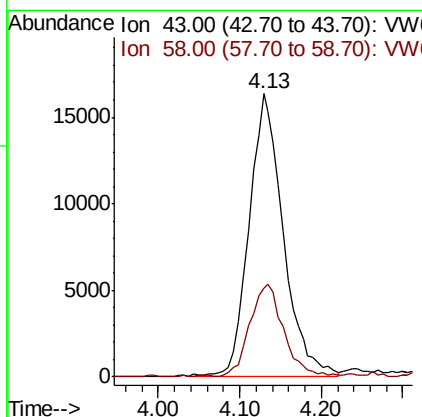
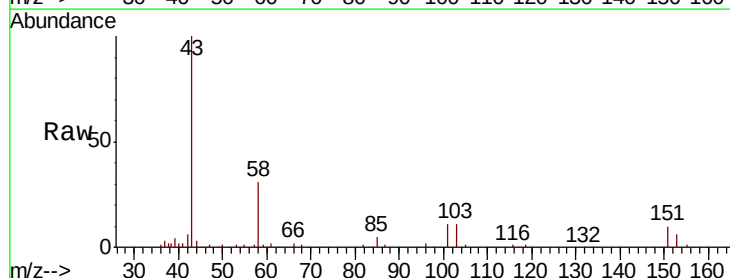
RT: 4.13 min Scan# 366

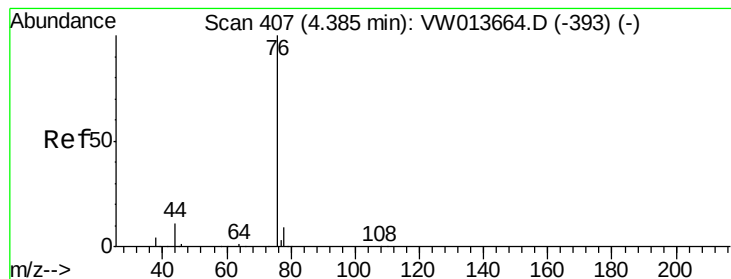
Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion:	43	Resp:	48009
Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.1	36.1





#17

Carbon Disulfide

Concen: 20.590 ug/l

RT: 4.38 min Scan# 406

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tot Ion: 76 Resp: 181100

Ion Ratio Lower Upper

76 100

78 9.0 7.0 10.6

Instrument :

MSVOA_W

ClientSampleId :

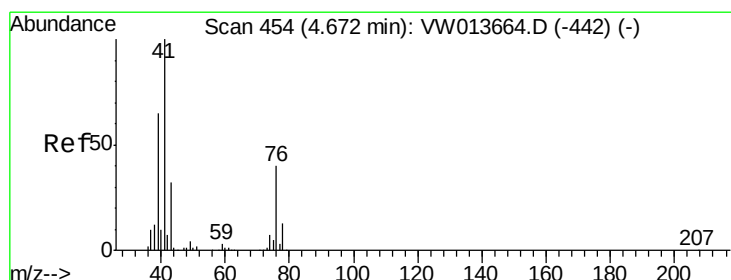
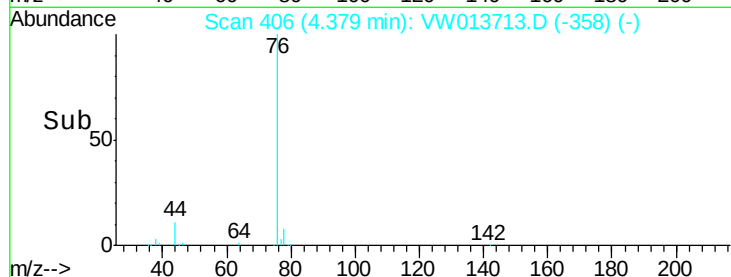
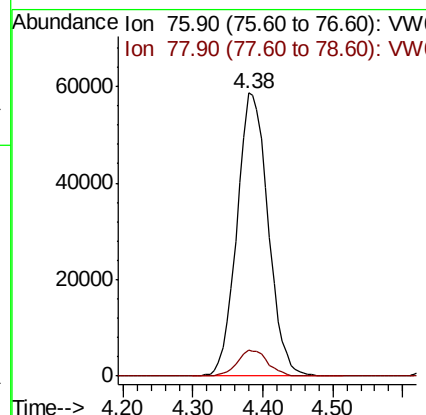
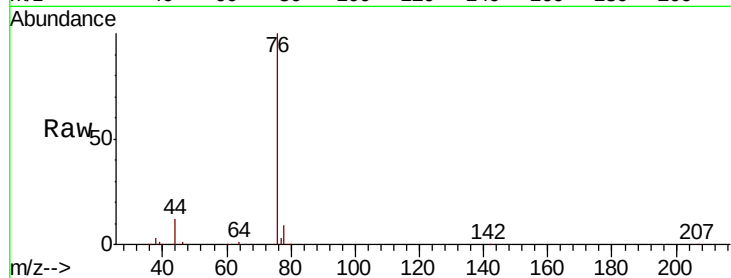
VW1024SBSD01

Manual Integrations

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#18

Methyl Acetate

Concen: 21.967 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW013713.D

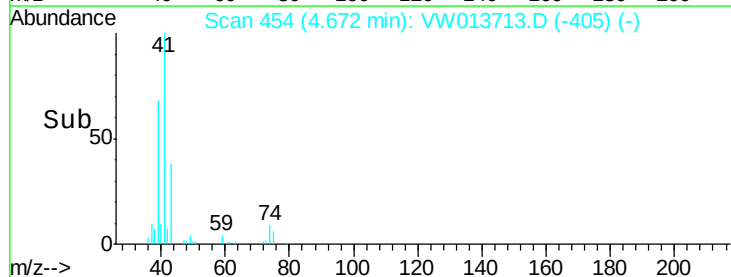
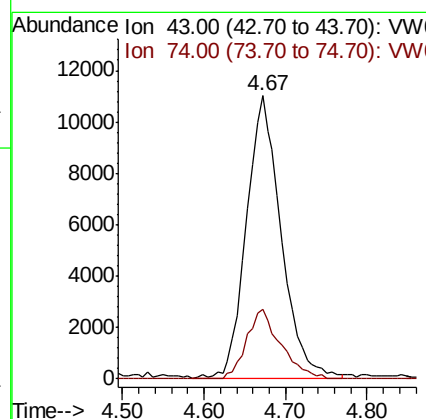
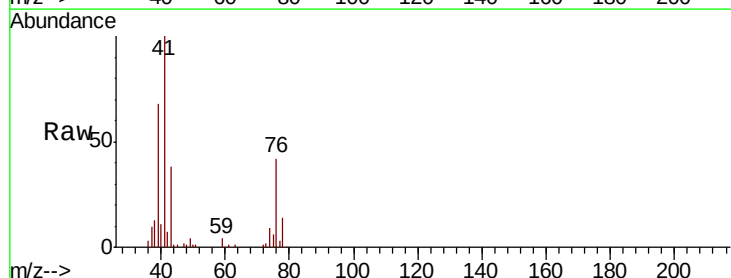
Acq: 24 Oct 2019 16:17

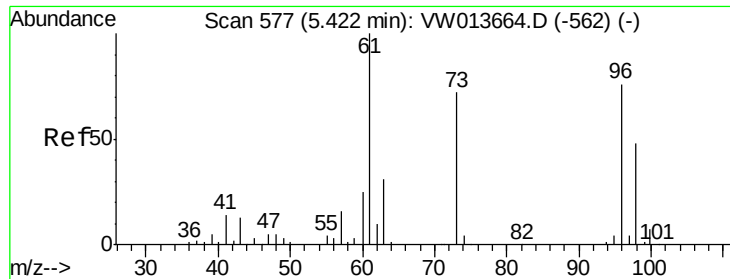
Tgt Ion: 43 Resp: 32708

Ion Ratio Lower Upper

43 100

74 23.8 19.8 29.8





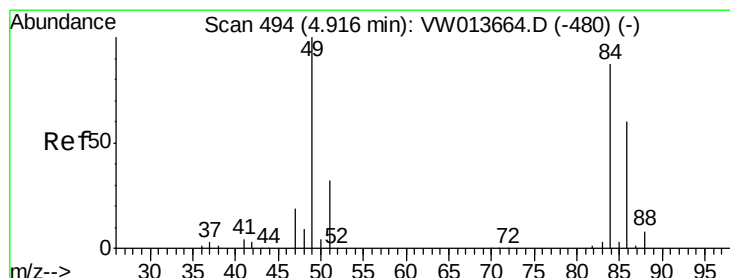
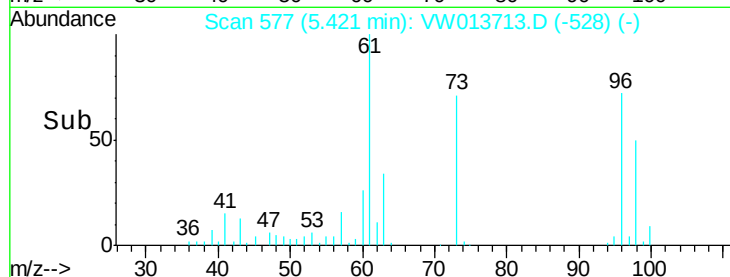
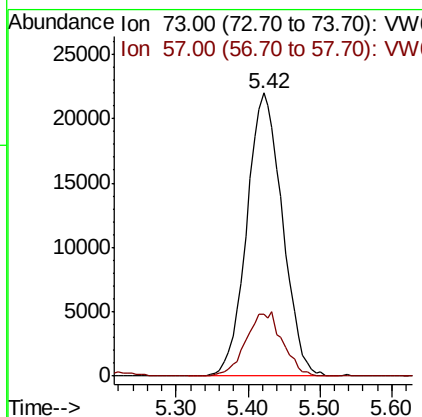
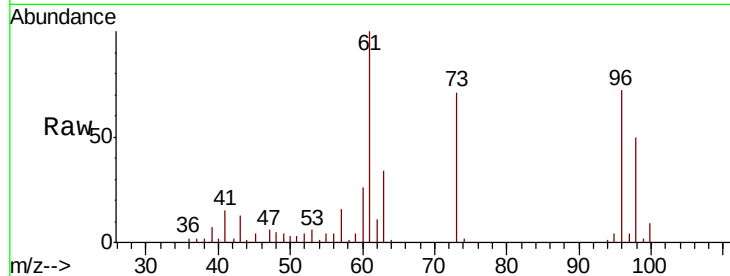
#19
Methyl tert-butyl Ether
Concen: 20.547 ug/l
RT: 5.42 min Scan# 577
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion: 73 Resp: 75515
Ion Ratio Lower Upper
73 100
57 22.0 17.6 26.4

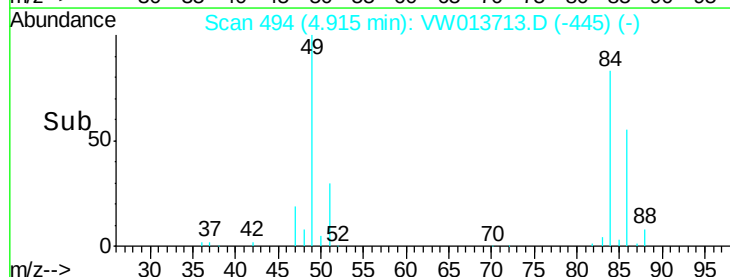
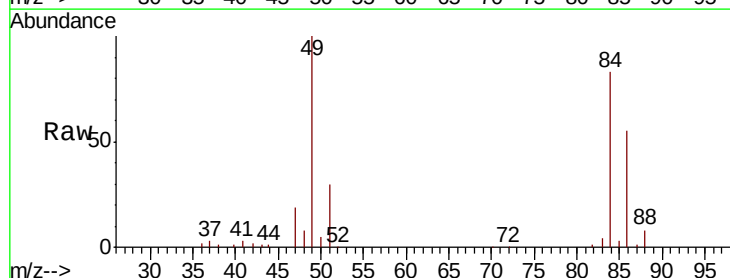
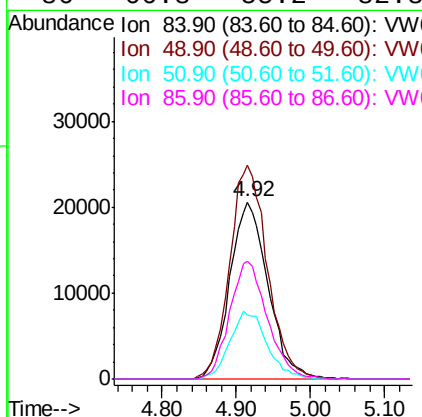
Manual Integrations
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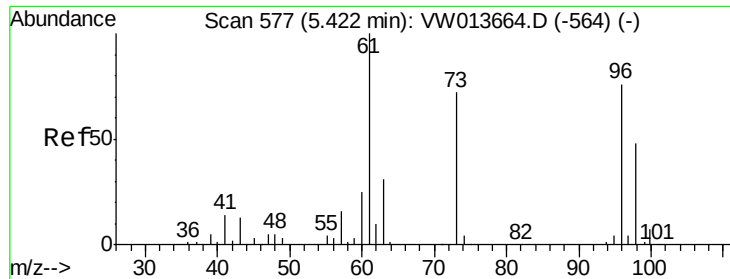
MMDadoda
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#20
Methylene Chloride
Concen: 22.124 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 84 Resp: 74028
Ion Ratio Lower Upper
84 100
49 120.6 91.8 137.6
51 36.4 29.8 44.6
86 66.8 55.2 82.8





#21

trans-1,2-Dichloroethene

Concen: 20.511 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

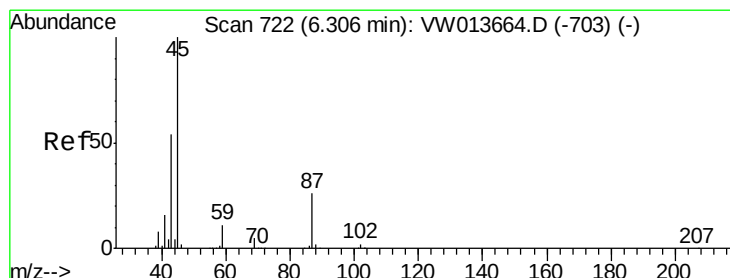
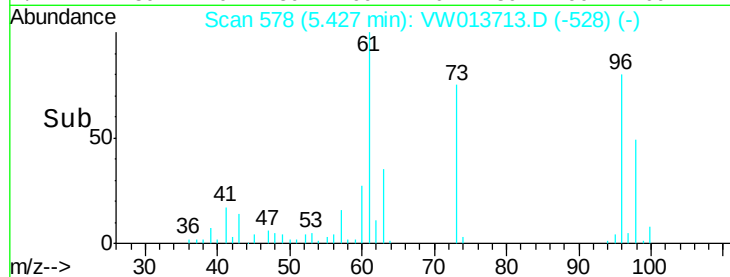
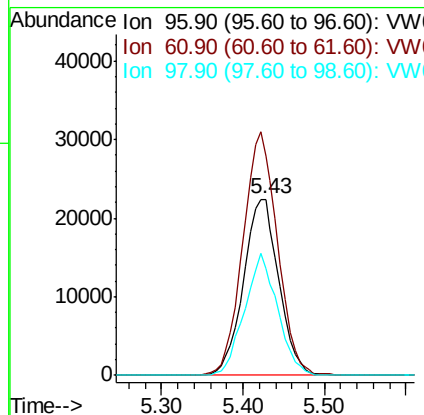
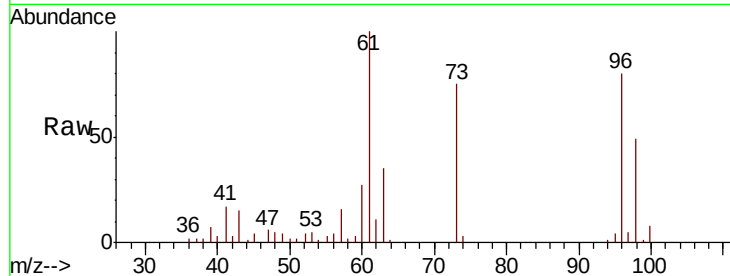
ClientSampleId :

VW1024SBSD01

Tot Ion:	96	Resp:	67610
Ion	Ratio	Lower	Upper
96	100		
61	124.8	104.8	157.2
98	60.6	50.6	76.0

Manual Integrations
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#22

Diisopropyl ether

Concen: 20.246 ug/l

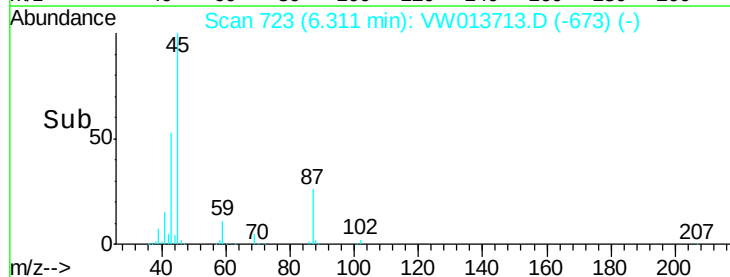
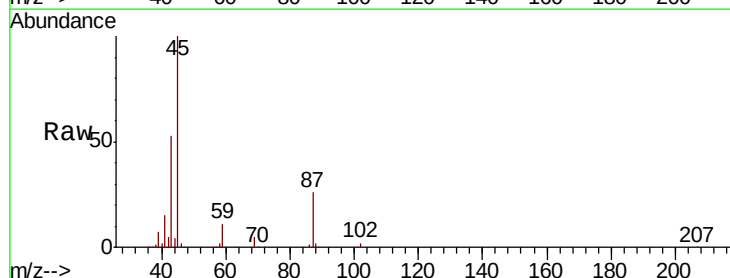
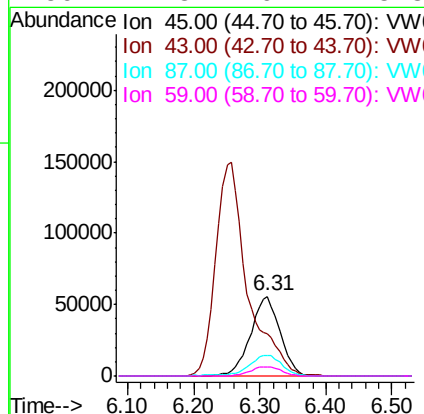
RT: 6.31 min Scan# 723

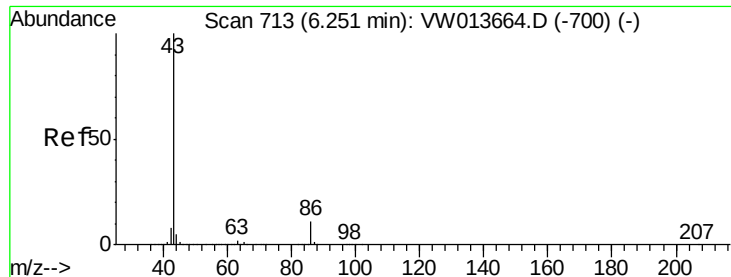
Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion:	45	Resp:	173916
Ion	Ratio	Lower	Upper
45	100		
43	51.8	43.4	65.2
87	26.1	21.5	32.3
59	11.3	9.2	13.8





#23

Vinyl Acetate

Concen: 99.846 ug/l

RT: 6.26 min Scan# 714

Delta R.T. 0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 43 Resp: 497669

Ion Ratio Lower Upper

43 100

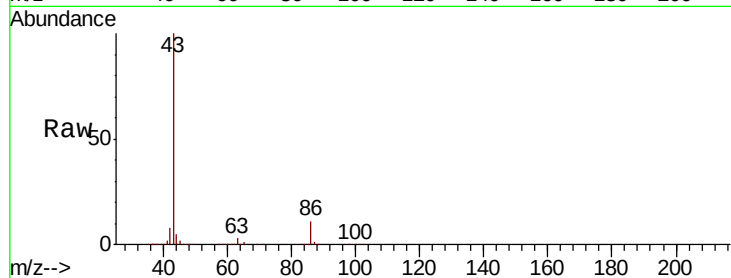
86 10.8 9.0 13.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

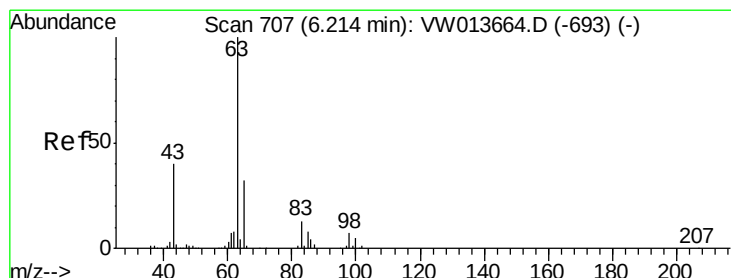
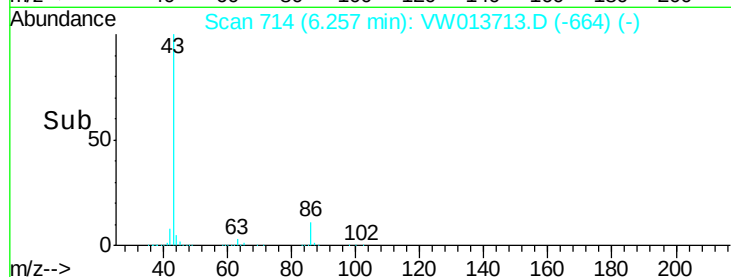
150000

100000

50000

0

Time-->



#24

1,1-Dichloroethane

Concen: 20.580 ug/l

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

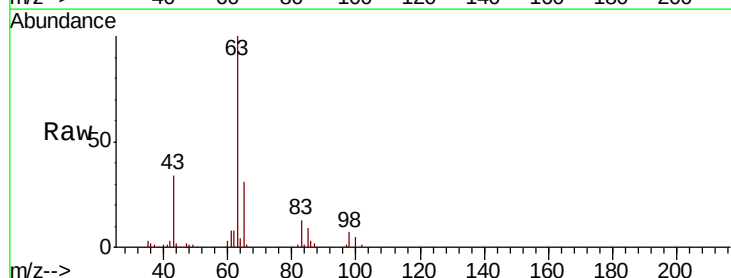
Tgt Ion: 63 Resp: 111965

Ion Ratio Lower Upper

63 100

98 7.5 3.6 10.9

100 4.5 2.5 7.4



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

50000

40000

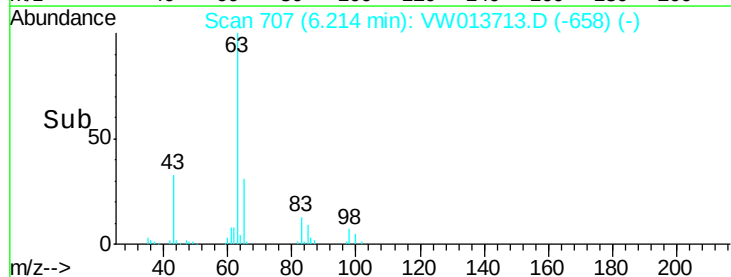
30000

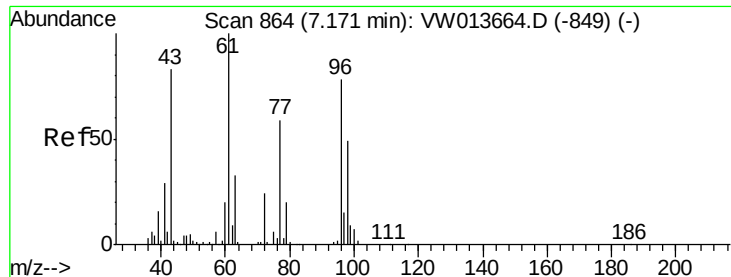
20000

10000

0

Time-->





#25

2-Butanone

Concen: 95.879 ug/l

RT: 7.17 min Scan# 864

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBSD01

Tot Ion: 43 Resp: 74872

Ion Ratio Lower Upper

43 100

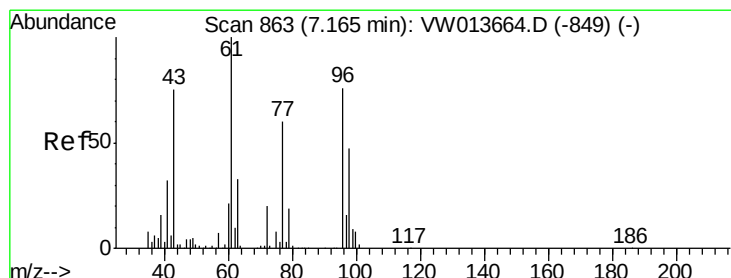
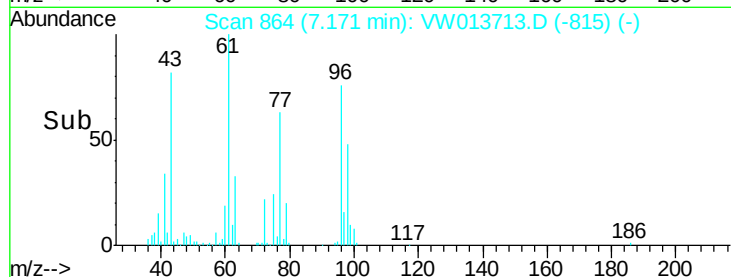
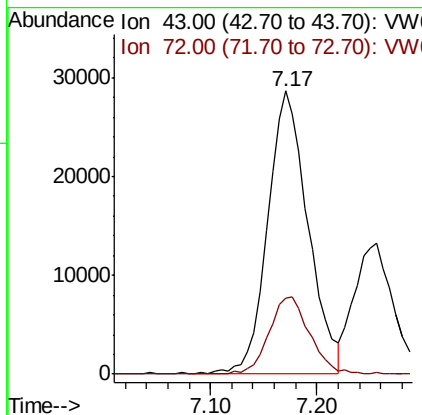
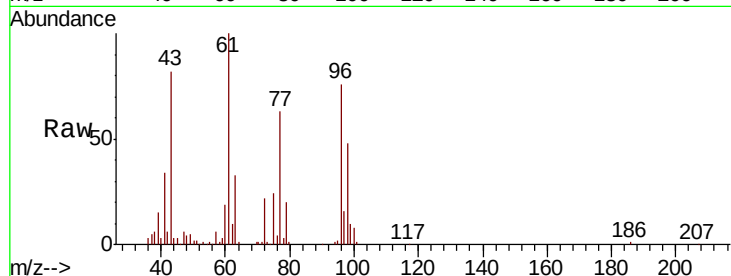
72 26.9 23.6 35.4

Manual Integrations

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#26

2,2-Dichloropropane

Concen: 21.150 ug/l

RT: 7.16 min Scan# 862

Delta R.T. -0.01 min

Lab File: VW013713.D

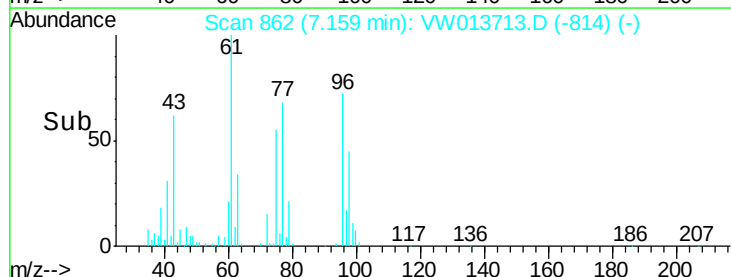
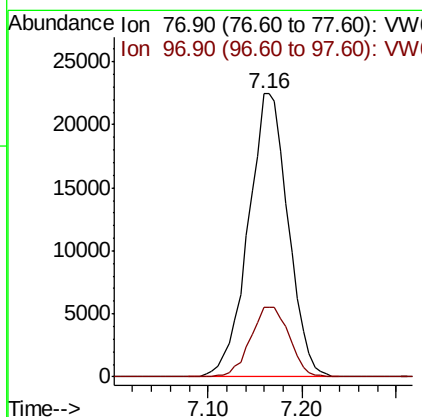
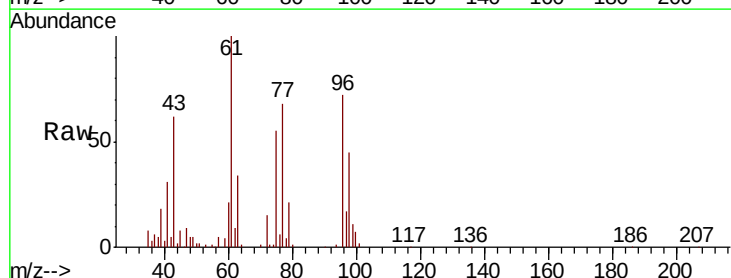
Acq: 24 Oct 2019 16:17

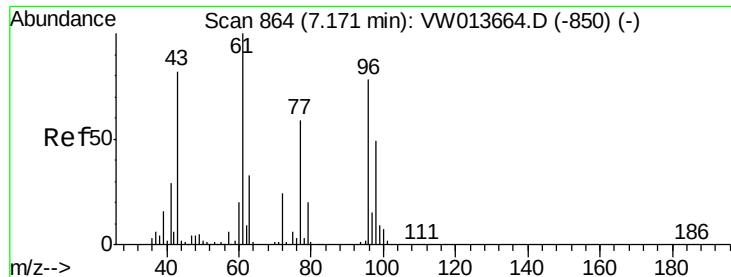
Tgt Ion: 77 Resp: 66536

Ion Ratio Lower Upper

77 100

97 24.1 12.8 38.4





#27

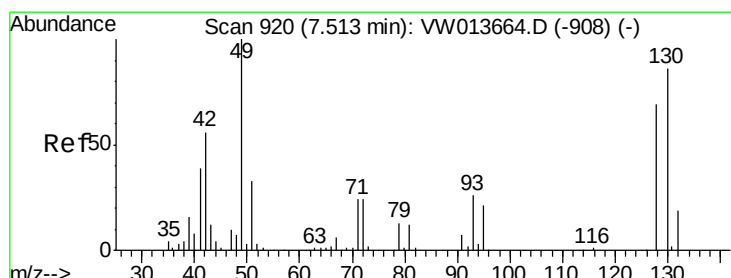
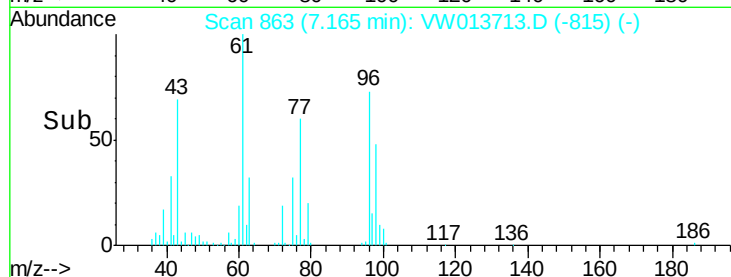
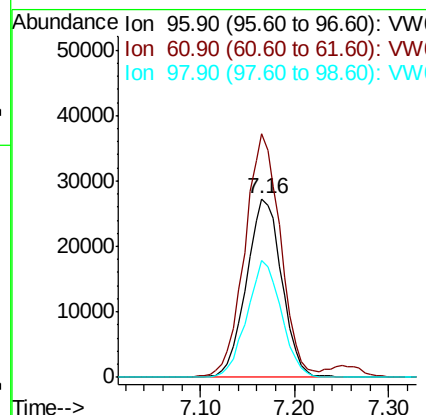
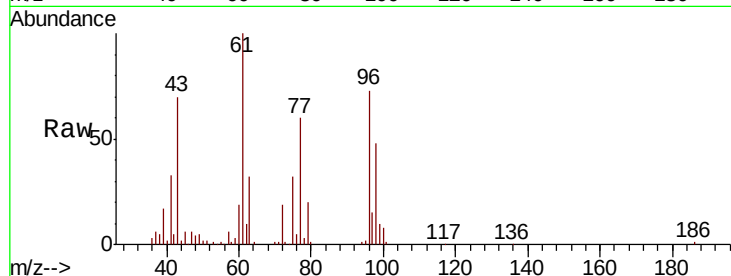
cis-1,2-Dichloroethene
Concen: 20.367 ug/l
RT: 7.16 min Scan# 863
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.2	0.0	266.0
98	63.6	0.0	126.8

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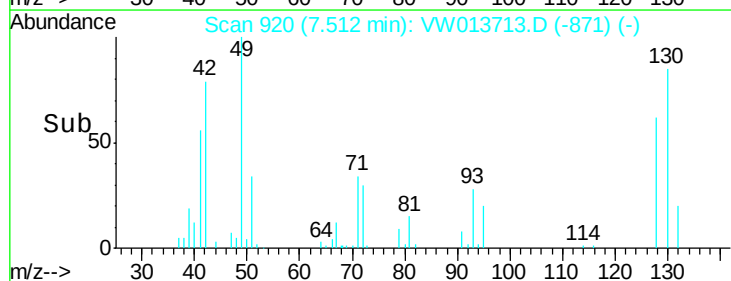
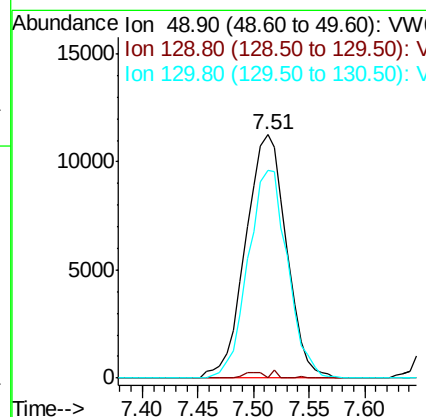
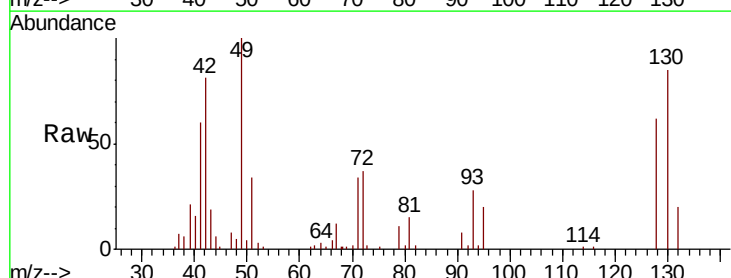
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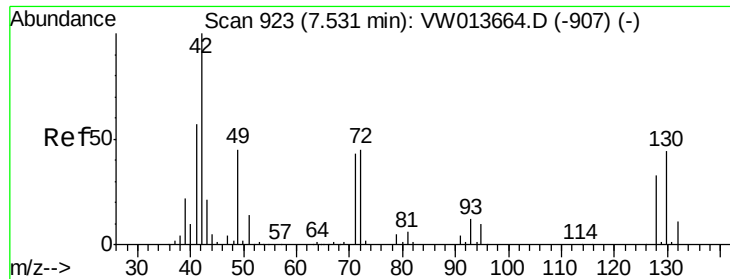


#28

Bromochloromethane
Concen: 15.746 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	0.6#
130	82.9	67.5	101.3





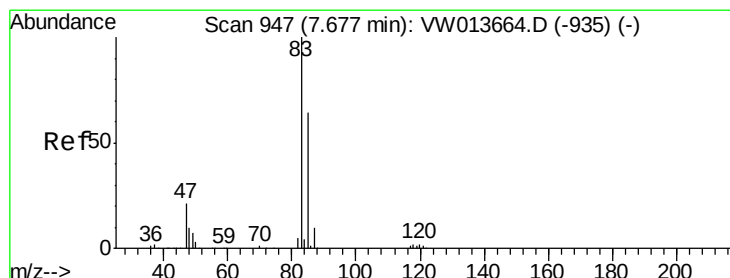
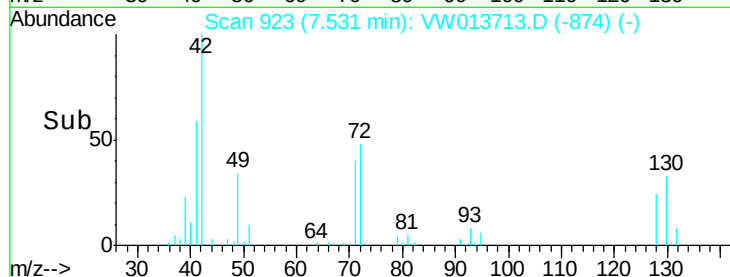
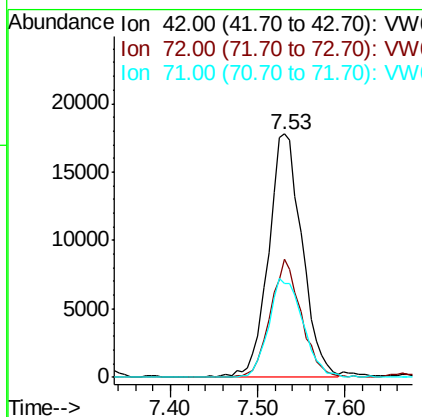
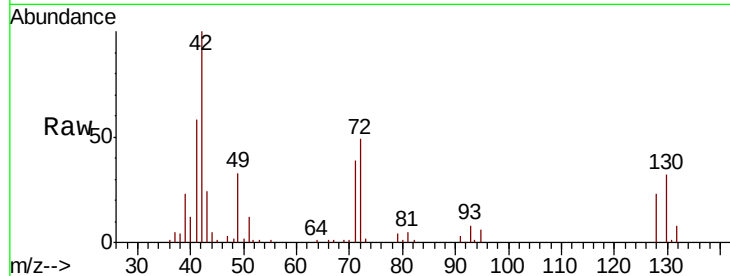
#29
Tetrahydrofuran
Concen: 98.809 ug/l
RT: 7.53 min Scan# 923
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.3	35.3	52.9
71	41.4	33.3	49.9

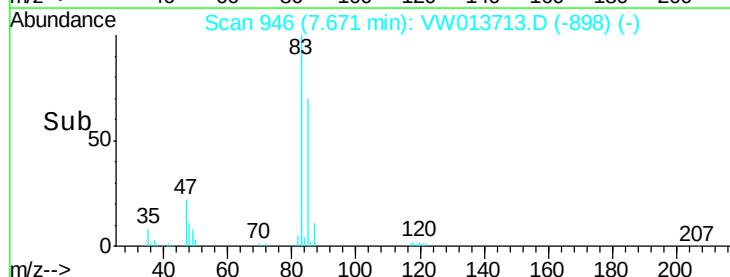
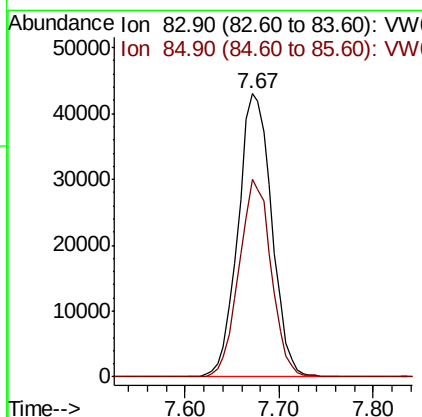
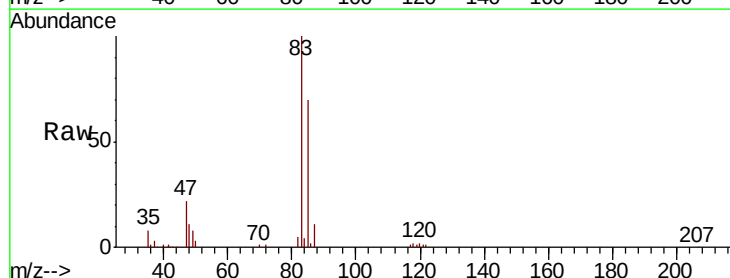
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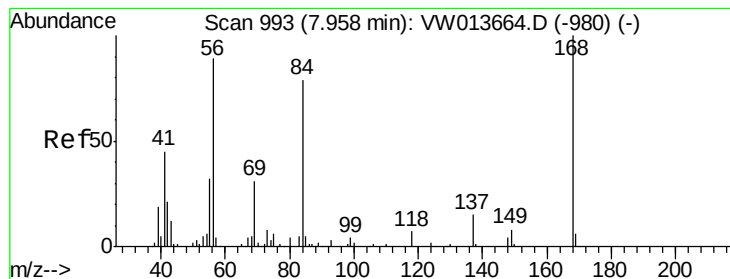
MMDadoda
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#30
Chloroform
Concen: 19.966 ug/l
RT: 7.67 min Scan# 946
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	70.0	51.4	77.2





#31

Cyclohexane

Concen: 19.436 ug/l

RT: 7.95 min Scan# 992

Delta R.T. -0.01 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

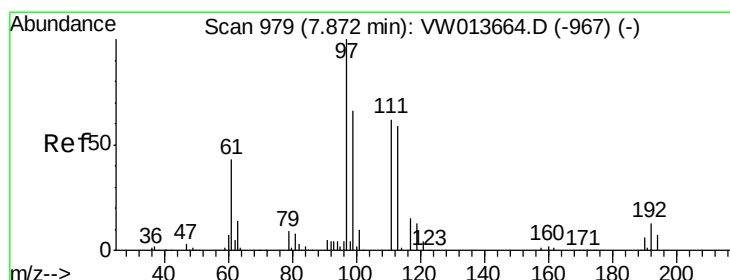
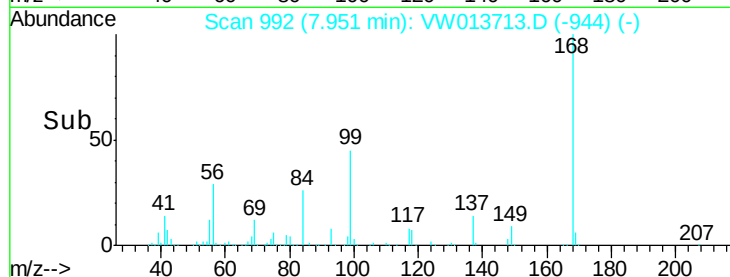
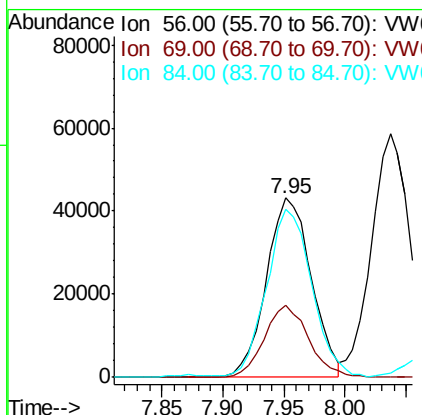
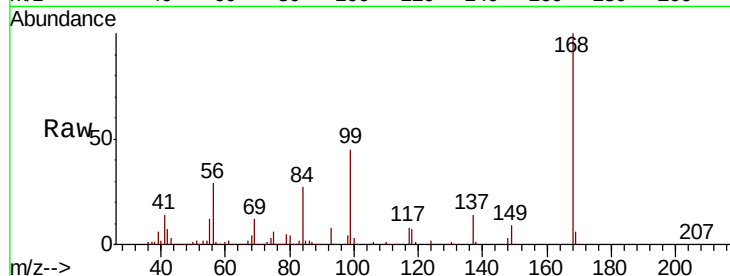
ClientSampleId :

VW1024SBSD01

Tot Ion:	56	Resp:	110660
Ion	Ratio	Lower	Upper
56	100		
69	40.6	27.5	41.3
84	92.6	70.8	106.2

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 21.199 ug/l

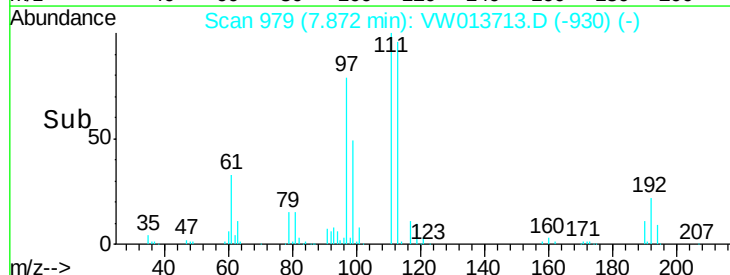
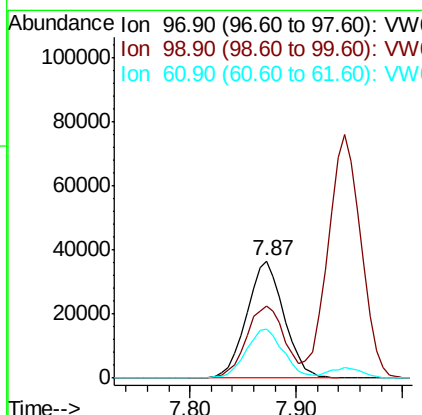
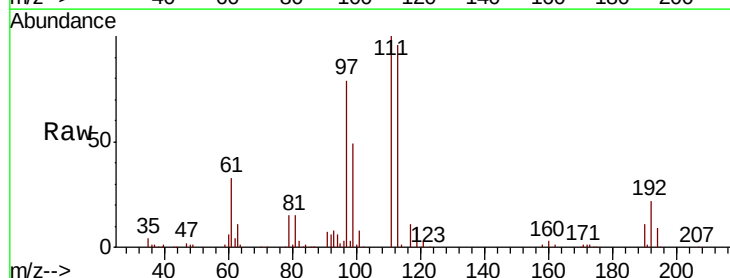
RT: 7.87 min Scan# 979

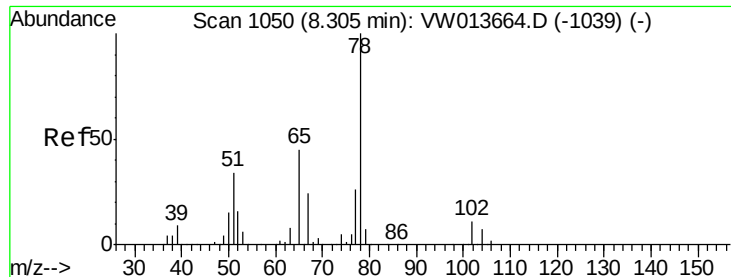
Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion:	97	Resp:	89469
Ion	Ratio	Lower	Upper
97	100		
99	63.2	52.0	78.0
61	42.0	33.8	50.6





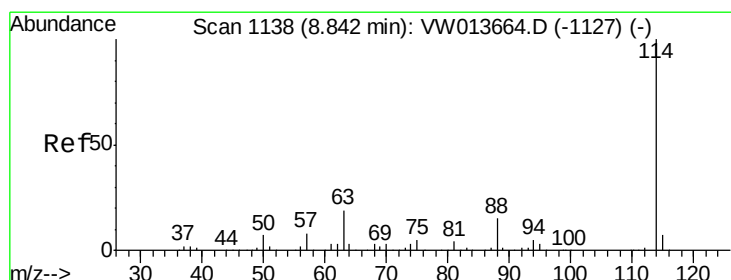
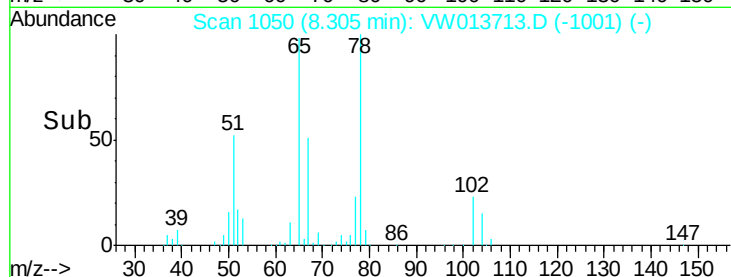
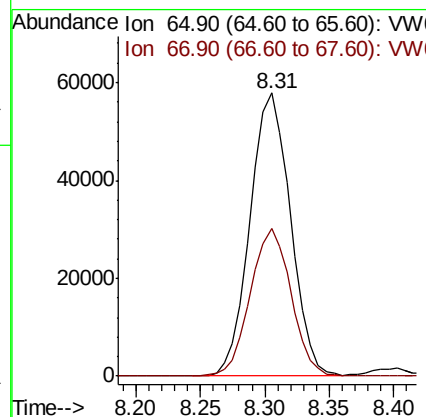
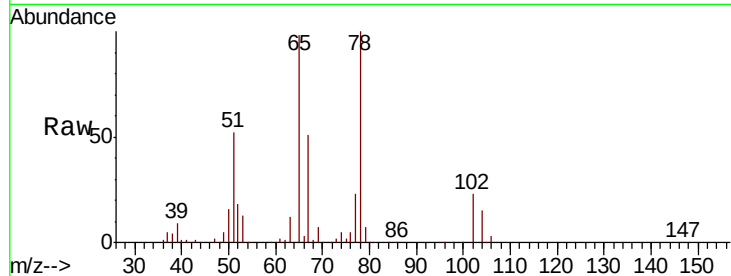
#33
 1,2-Dichloroethane-d4
 Concen: 49.091 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100			
67	52.5	0.0	109.4	

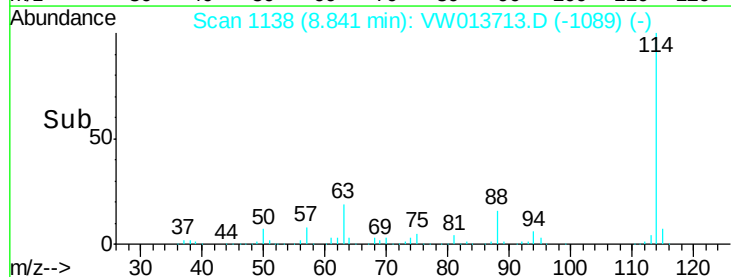
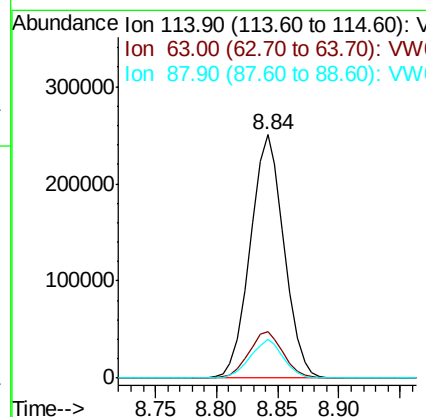
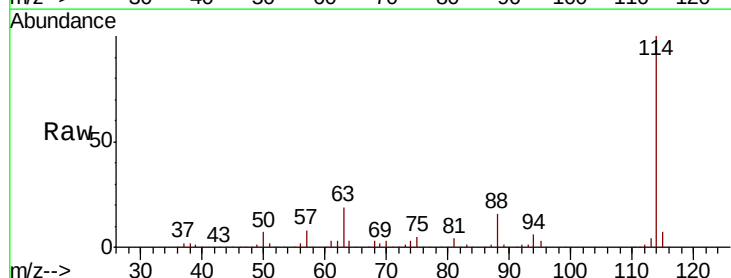
Manual Integrations
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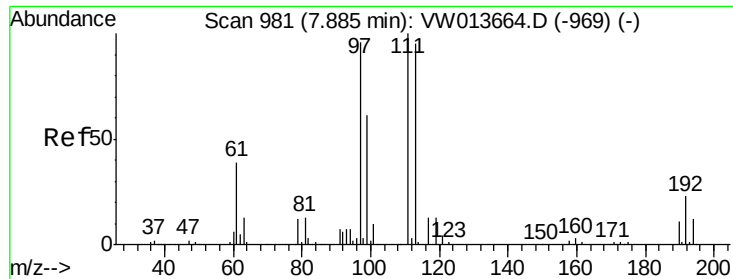
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100			
63	19.0	0.0	37.6	
88	15.9	0.0	30.2	





#35

Dibromofluoromethane

Concen: 49.249 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

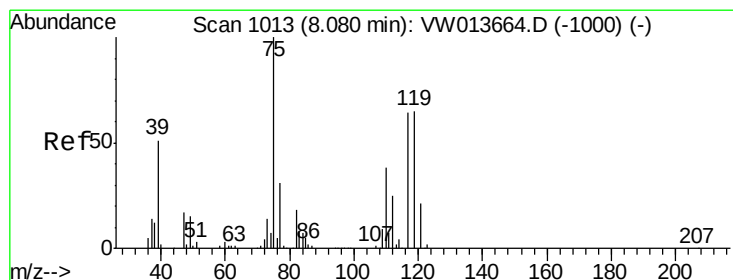
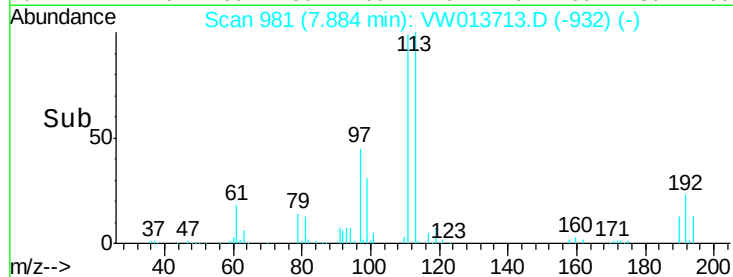
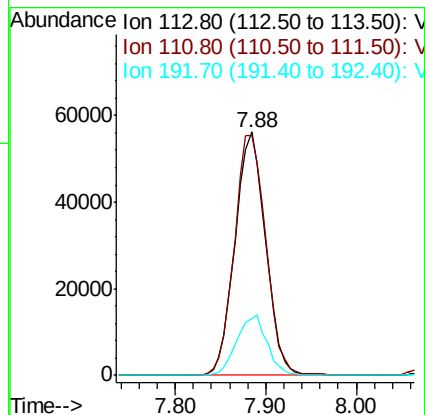
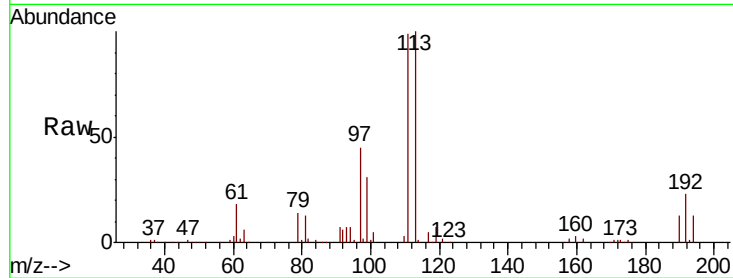
ClientSampleId :

VW1024SBSD01

Tot Ion:	113	Resp:	131274
Ion Ratio	Lower	Upper	
113	100		
111	102.3	83.0	124.6
192	24.5	19.4	29.2

Manual Integrations
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#36

1,1-Dichloropropene

Concen: 20.872 ug/l

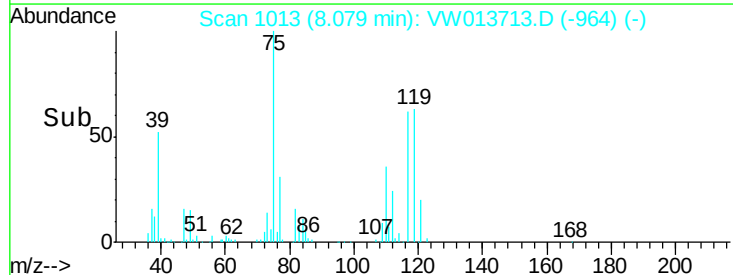
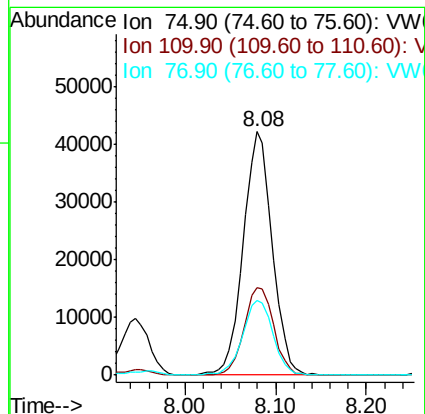
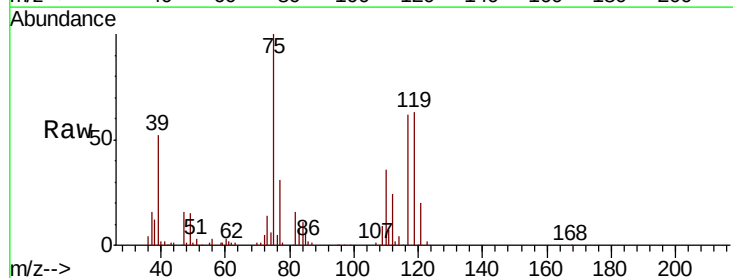
RT: 8.08 min Scan# 1013

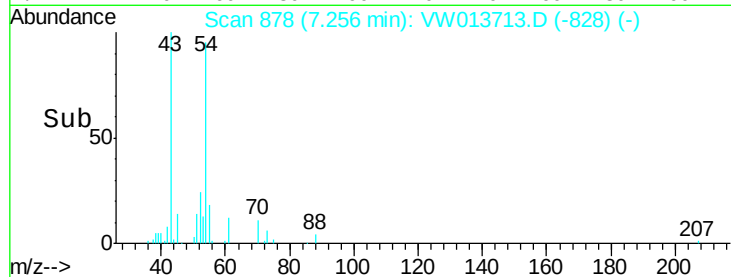
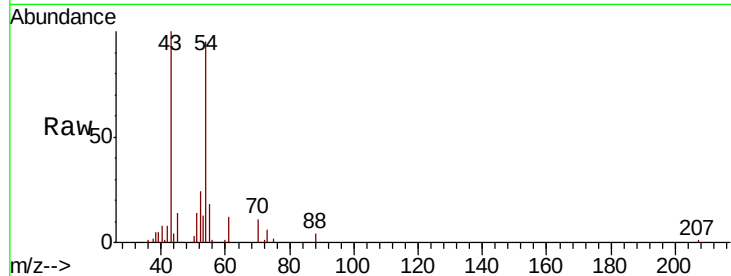
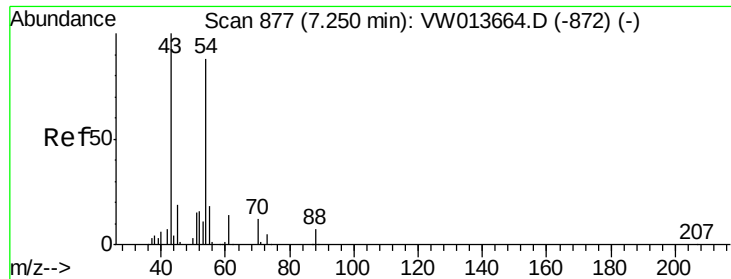
Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion:	75	Resp:	93246
Ion Ratio	Lower	Upper	
75	100		
110	36.7	18.7	56.1
77	32.2	25.4	38.0





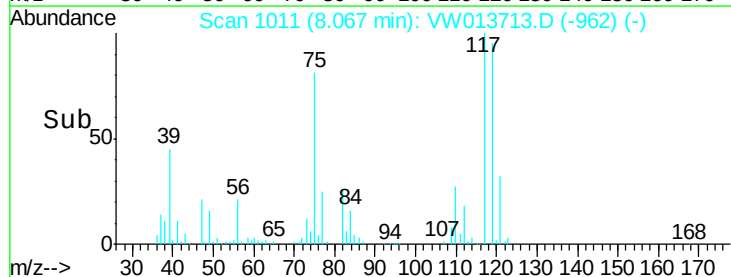
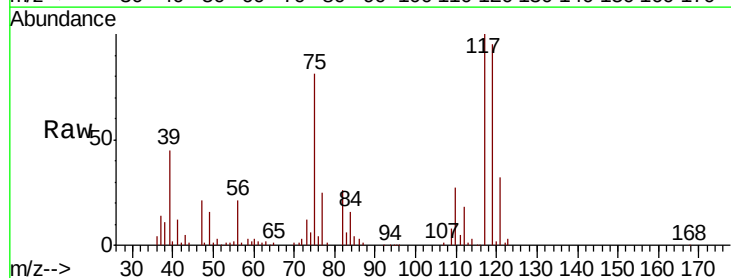
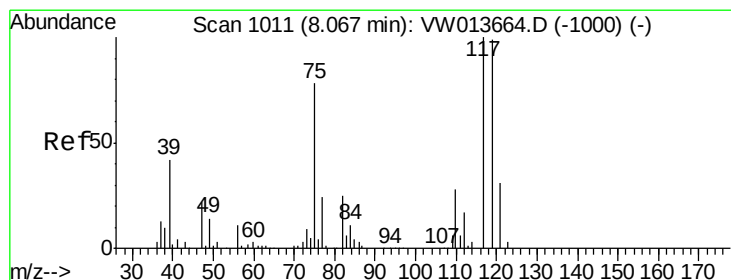
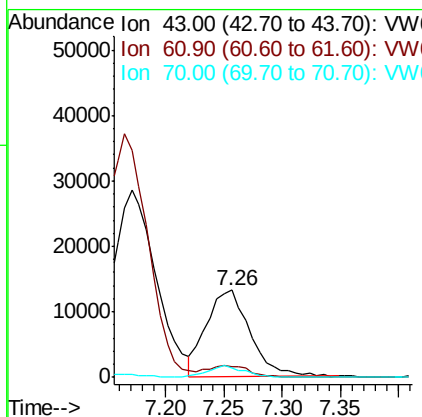
#37
Ethyl Acetate
Concen: 19.931 ug/l
RT: 7.26 min Scan# 878
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.2	11.7	17.5
70	11.1	8.8	13.2

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

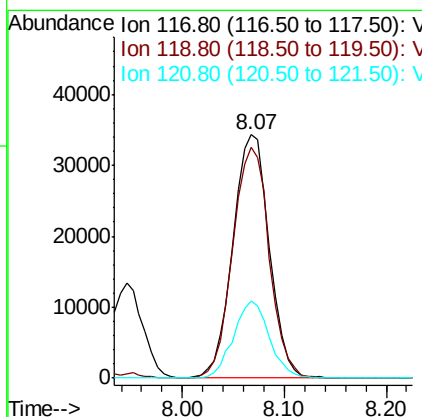
Manual Integrations
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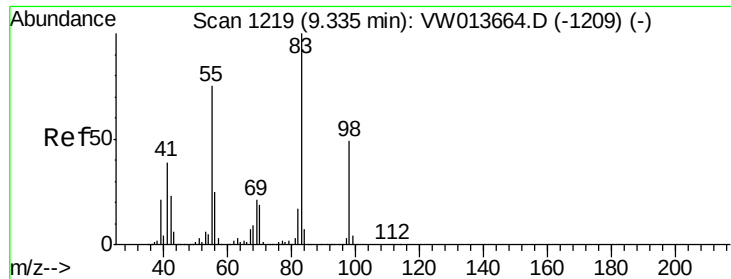
MMDadoda
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#38
Carbon Tetrachloride
Concen: 21.104 ug/l
RT: 8.07 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.8	79.0	118.4
121	31.5	24.5	36.7





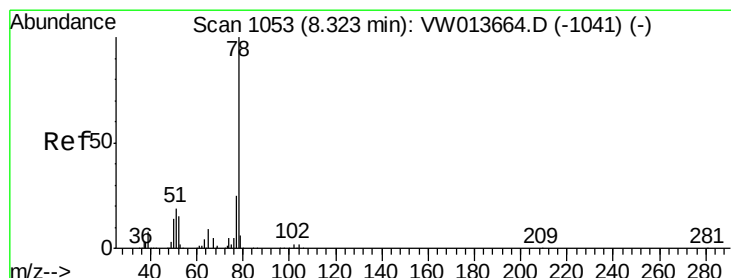
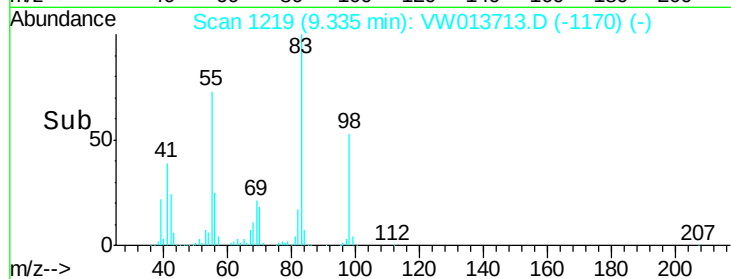
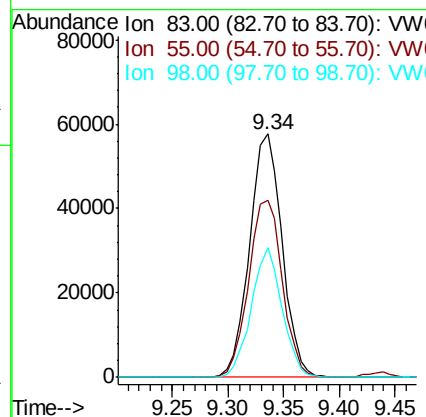
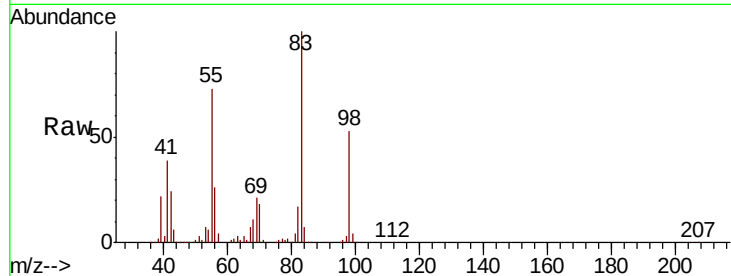
#39
Methylvlcyclohexane
Concen: 20.397 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	72.7	59.9	89.9	
98	53.1	39.4	59.2	

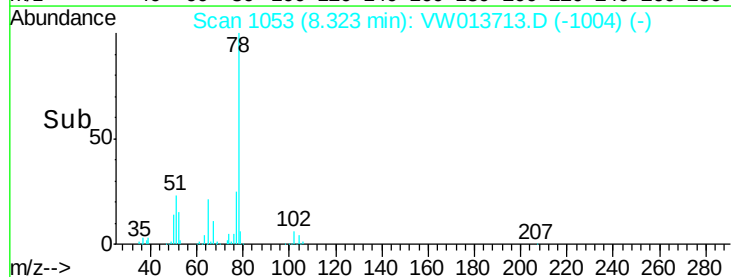
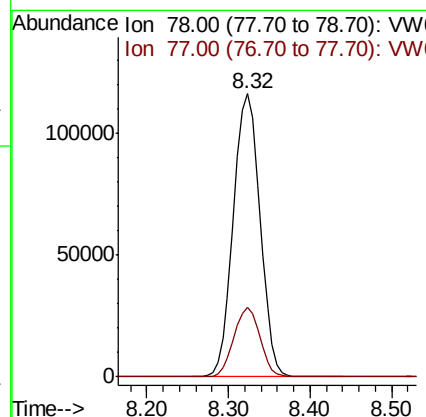
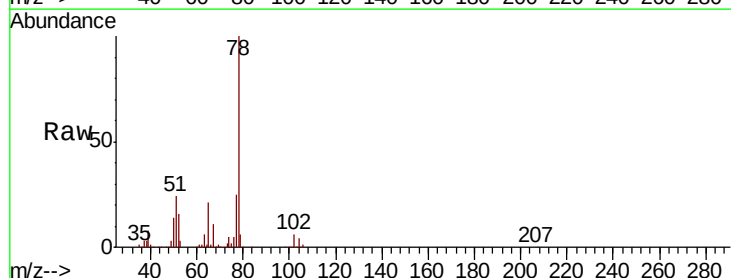
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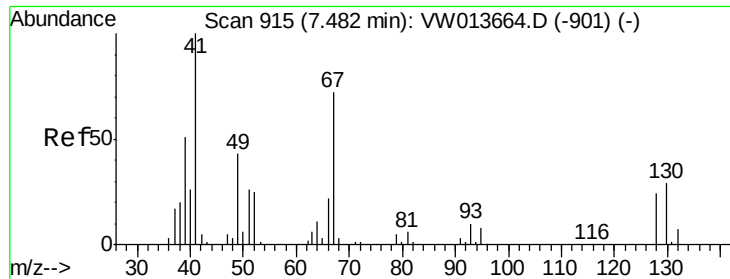
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#40
Benzene
Concen: 20.750 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	24.7	19.6	29.4	





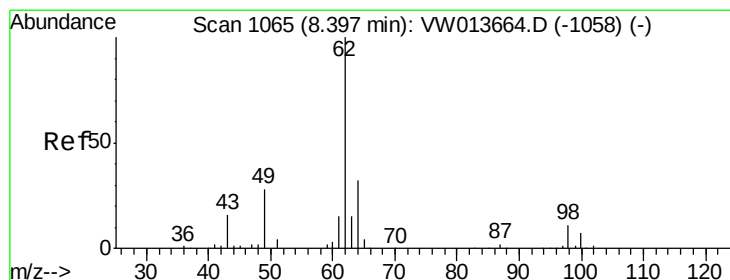
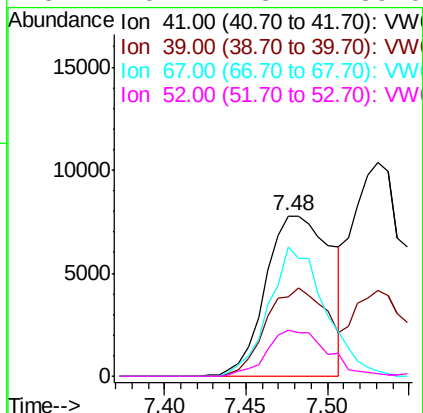
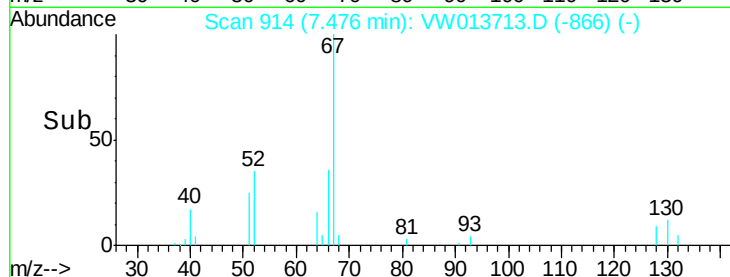
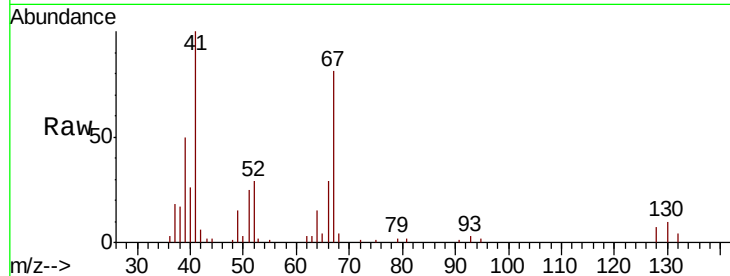
#41
Methacrylonitrile
Concen: 20.435 ug/l
RT: 7.48 min Scan# 914
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion:	41	Resp:	21793
Ion	Ratio	Lower	Upper
41	100		
39	51.4	44.8	67.2
67	69.3	59.3	88.9
52	26.7	23.4	35.0

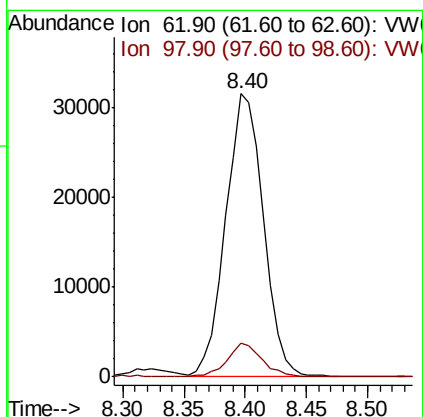
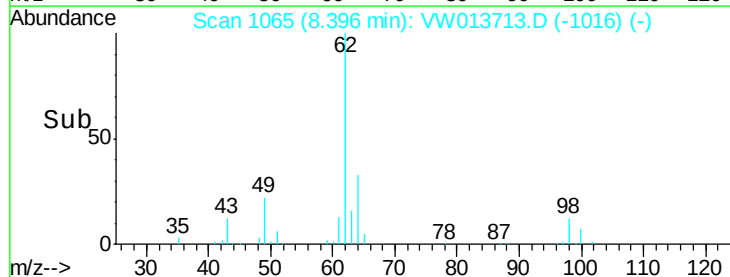
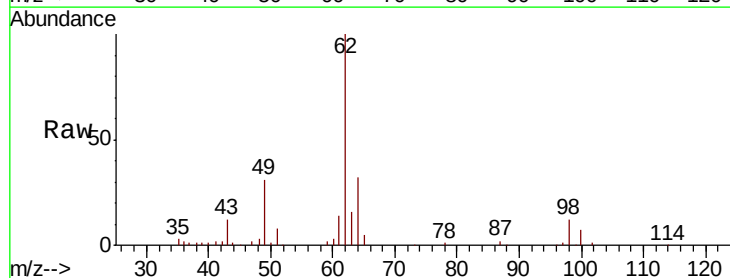
Manual Integrations
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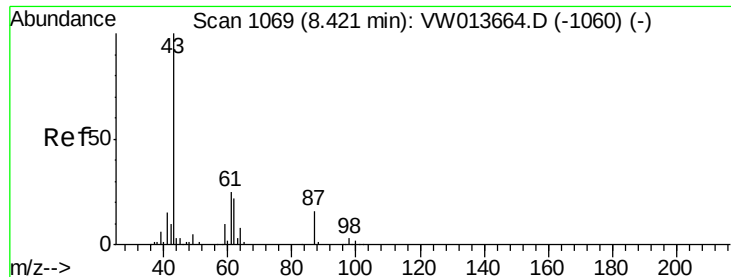
MMDadoda
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#42
1,2-Dichloroethane
Concen: 21.152 ug/l
RT: 8.40 min Scan# 1065
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion:	62	Resp:	67390
Ion	Ratio	Lower	Upper
62	100		
98	10.8	0.0	22.4





#43

Isopropyl Acetate

Concen: 19.774 ug/l

RT: 8.42 min Scan# 1069

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

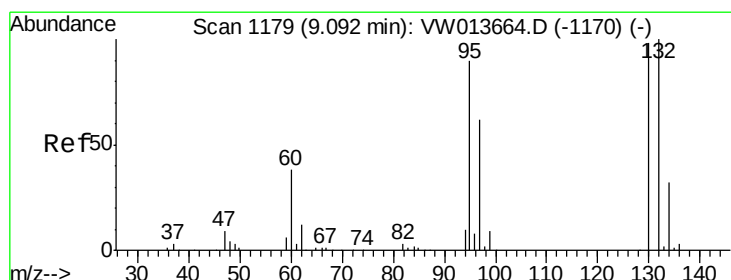
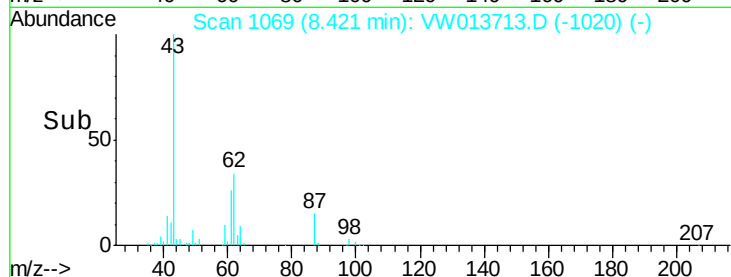
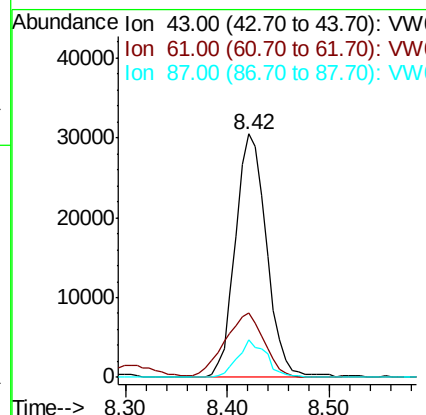
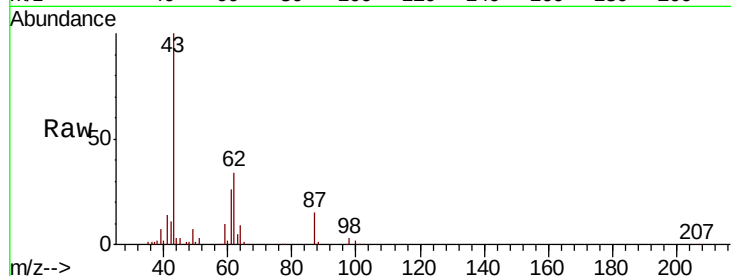
ClientSampleId :

VW1024SBS01

Tot Ion:	43	Resp:	64730
Ion	Ratio	Lower	Upper
43	100		
61	33.6	26.1	39.1
87	14.2	11.4	17.0

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#44

Trichloroethene

Concen: 20.912 ug/l

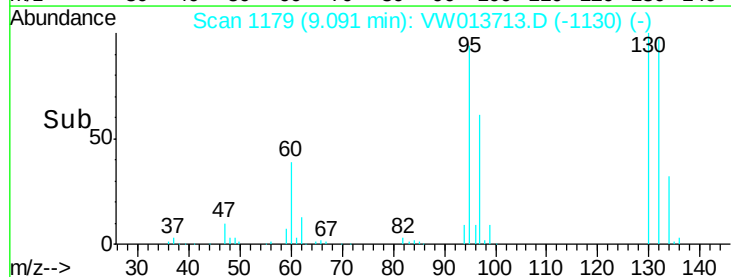
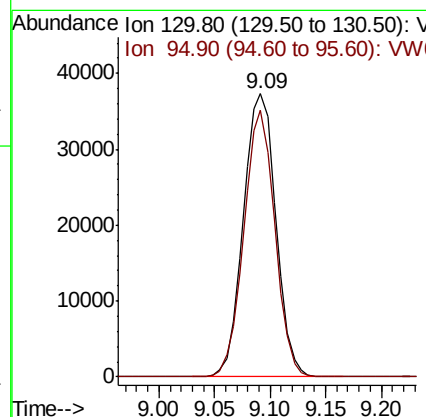
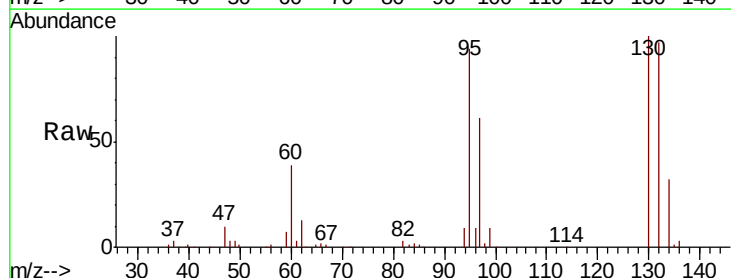
RT: 9.09 min Scan# 1179

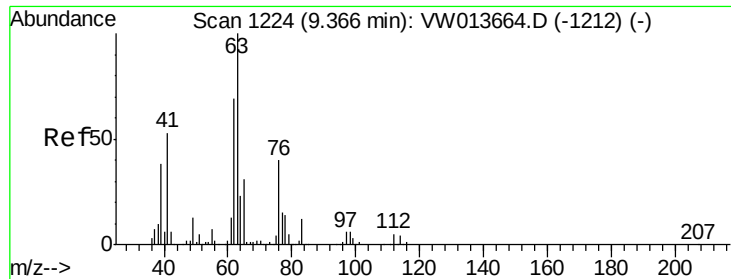
Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion:	130	Resp:	75734
Ion	Ratio	Lower	Upper
130	100		
95	94.3	0.0	184.6





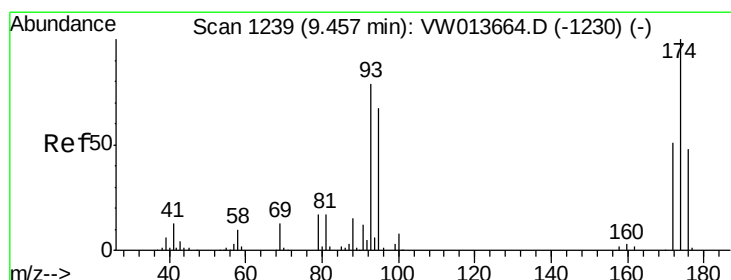
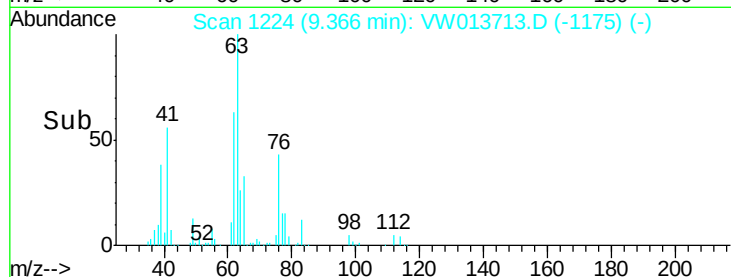
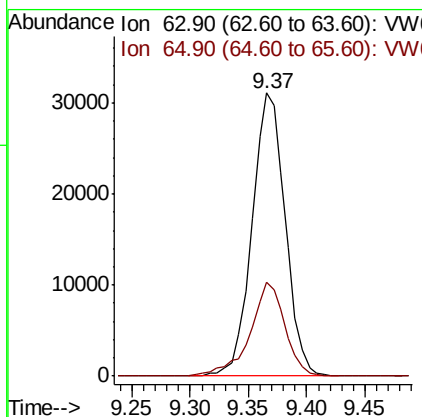
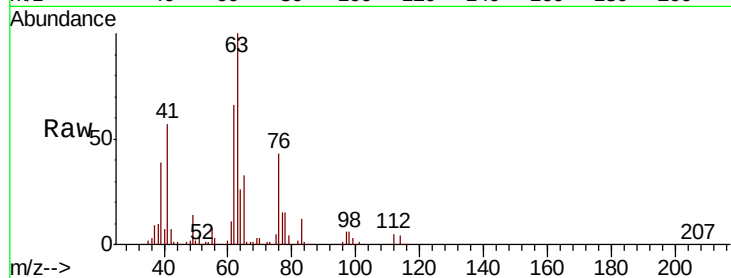
#45
 1,2-Dichloropropane
 Concen: 20.444 ug/l
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Lower	Upper
63	100		
65	33.4	25.2	37.8

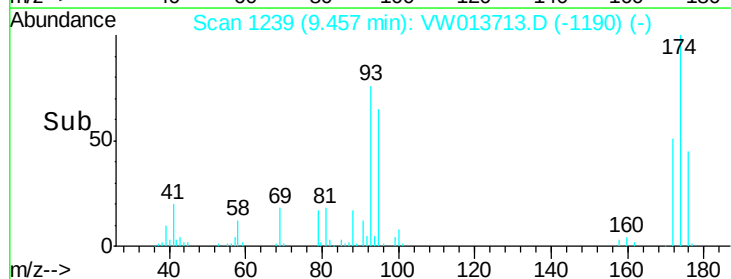
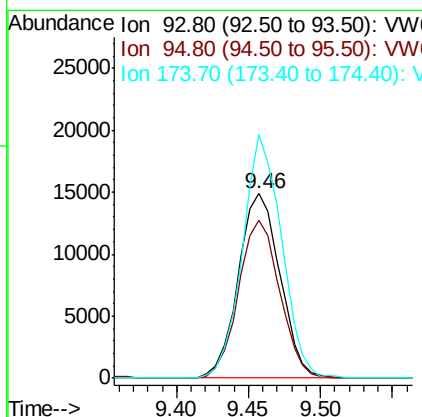
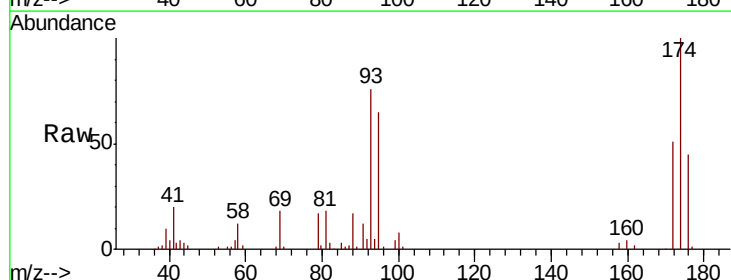
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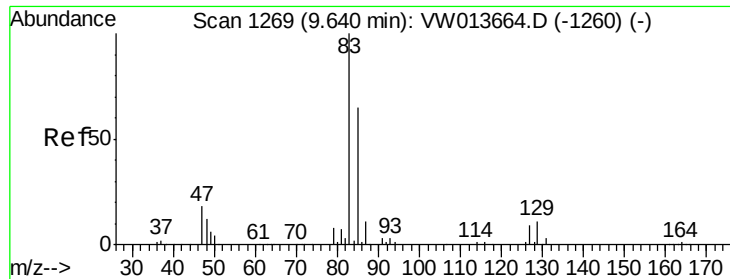
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#46
 Dibromomethane
 Concen: 20.350 ug/l
 RT: 9.46 min Scan# 1239
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
93	100		
95	84.6	66.5	99.7
174	123.9	99.6	149.4





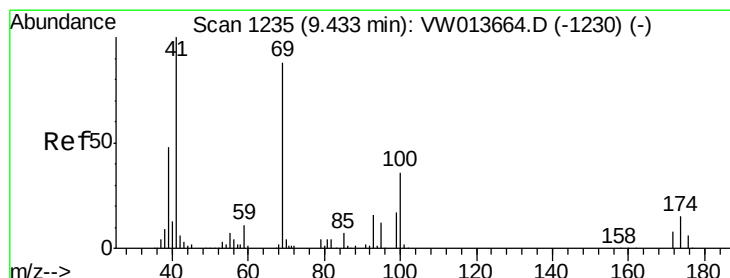
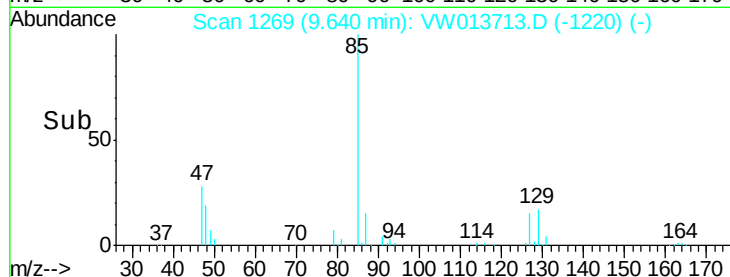
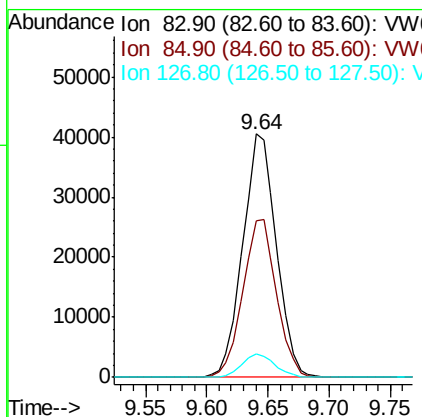
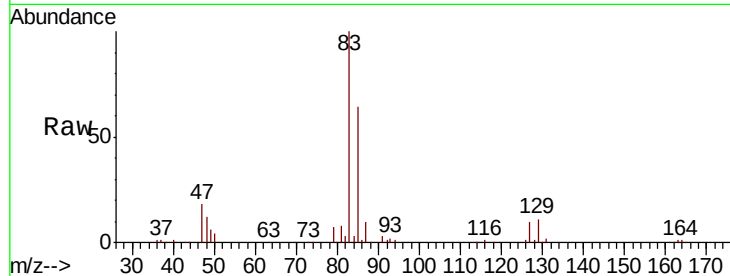
#47
Bromodichloromethane
Concen: 20.374 ug/l
RT: 9.64 min Scan# 1269
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	83	Resp	77268
Ion Ratio	100	Lower	Upper
83	100		
85	64.1	51.8	77.6
127	9.5	7.3	10.9

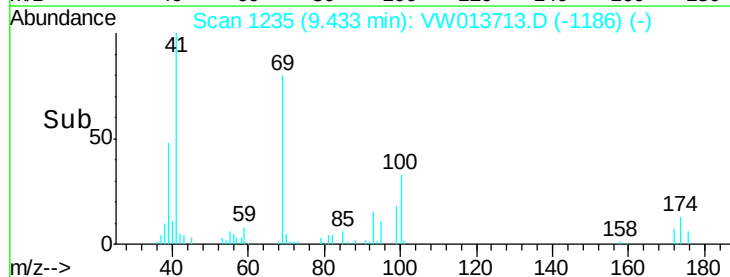
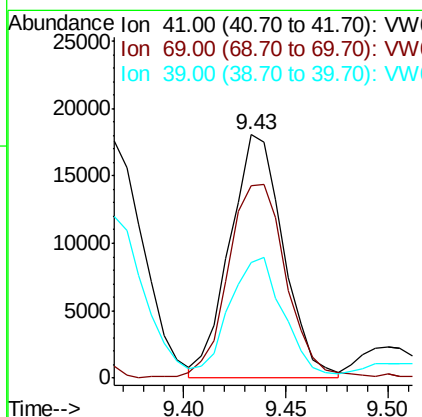
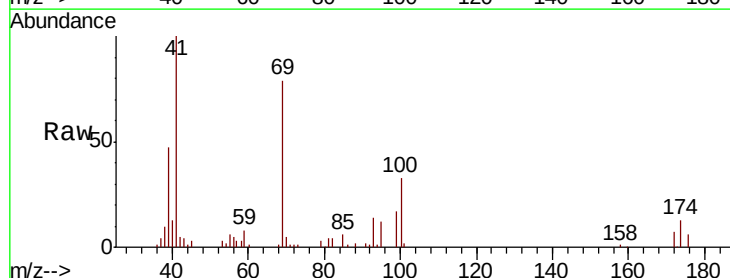
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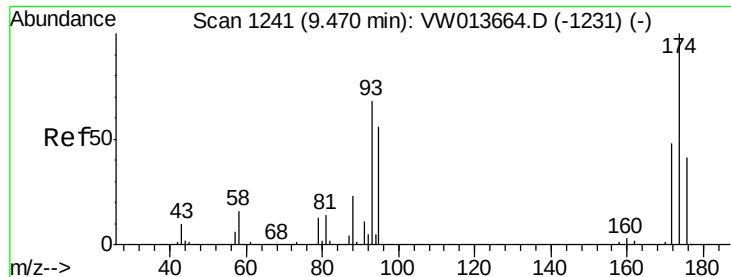
MMDadoda
10/25/2019 4:47:27 PM



#48
Methyl methacrylate
Concen: 20.348 ug/l
RT: 9.43 min Scan# 1235
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	41	Resp	33032
Ion Ratio	100	Lower	Upper
41	100		
69	86.3	67.6	101.4
39	46.8	38.6	58.0





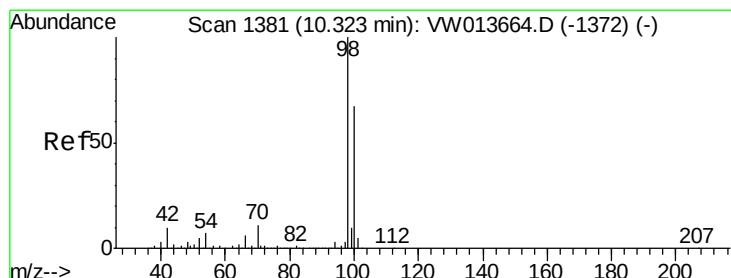
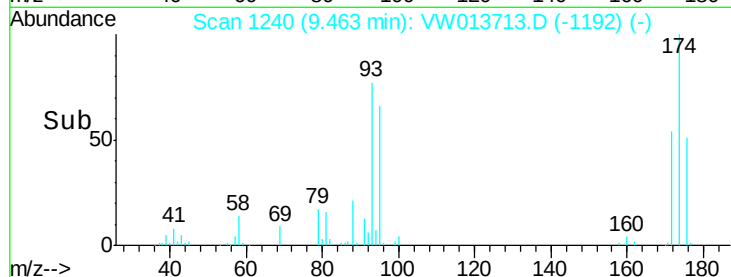
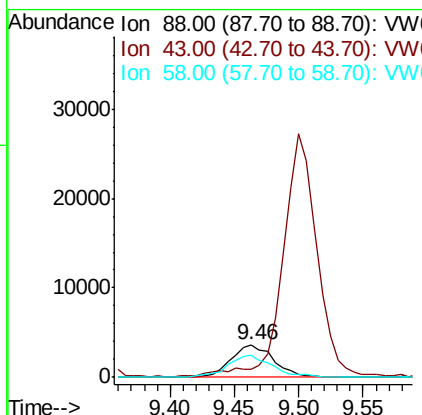
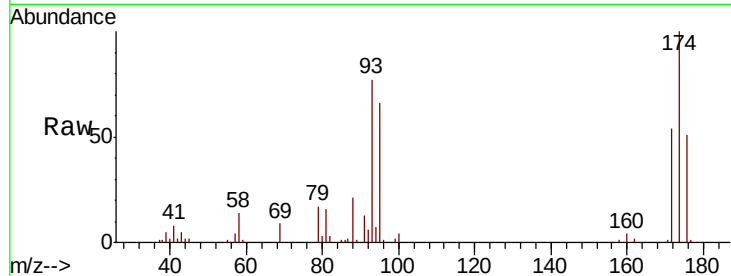
#49
1,4-Dioxane
Concen: 380.903 ug/l
RT: 9.46 min Scan# 1240
Delta R.T. -0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	88	Resp	8250
Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	71.6	58.9	88.3

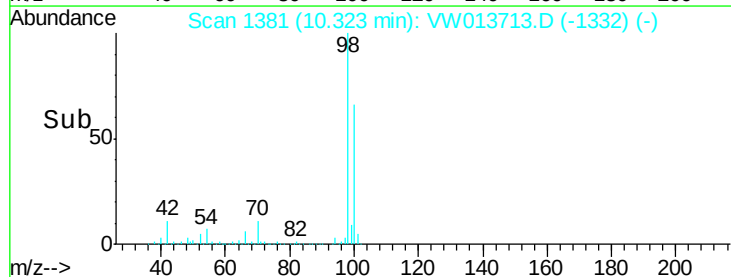
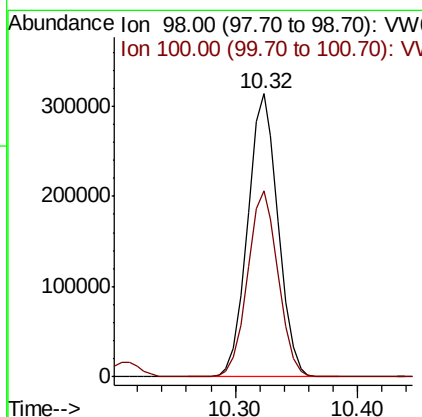
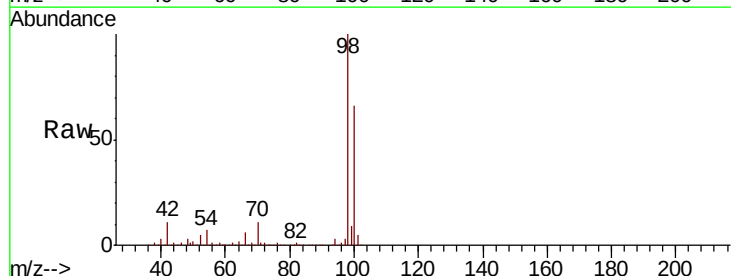
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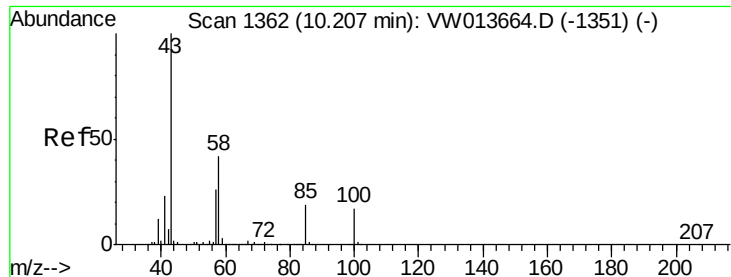
MMDadoda
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#50
Toluene-d8
Concen: 49.868 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	98	Resp	541626
Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0





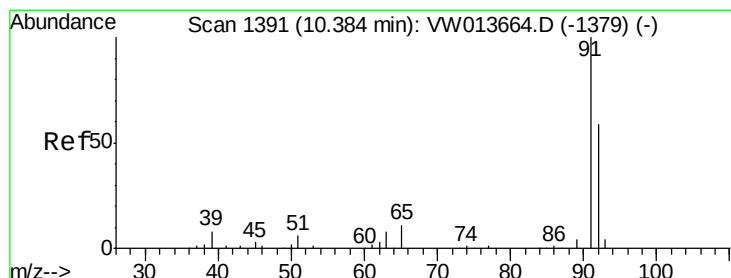
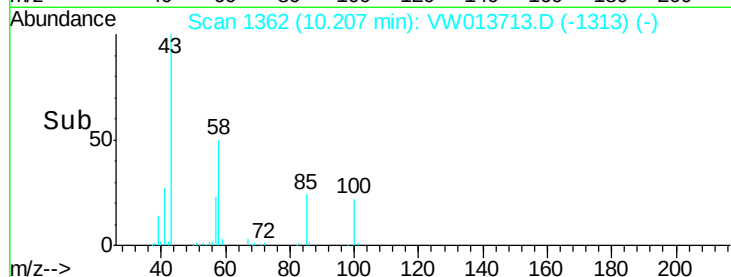
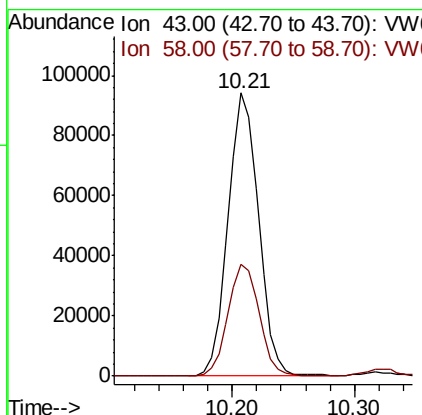
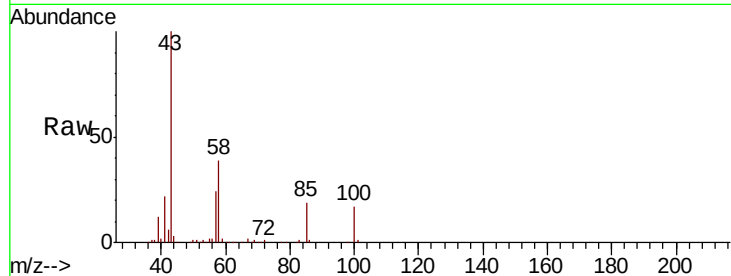
#51
4-Methyl-2-Pentanone
Concen: 100.179 ug/l
RT: 10.21 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	43	58	Ratio	Lower	Upper
162957	100	40.3		32.6	49.0

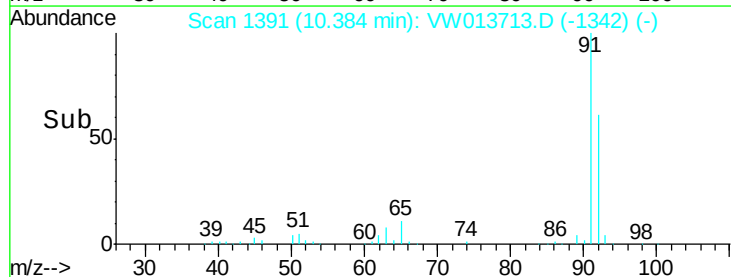
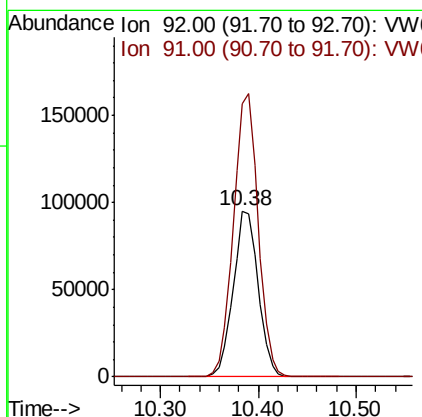
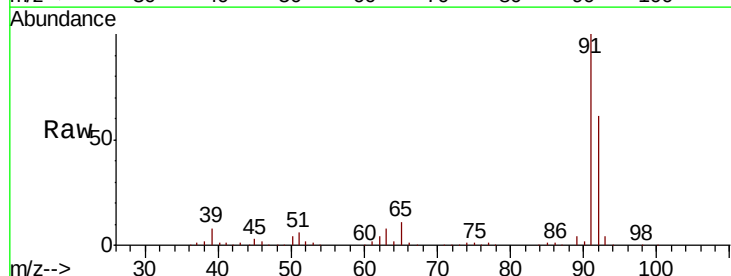
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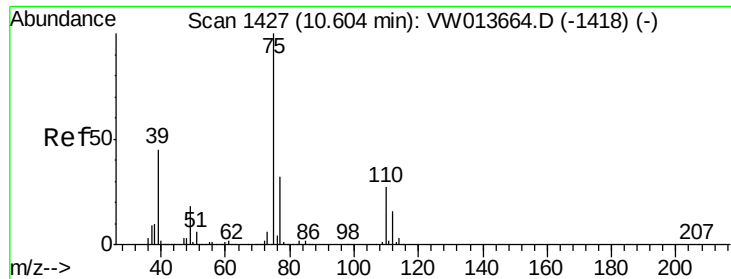
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#52
Toluene
Concen: 20.642 ug/l
RT: 10.38 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	92	91	Ratio	Lower	Upper
168346	100	169.1		134.5	201.7





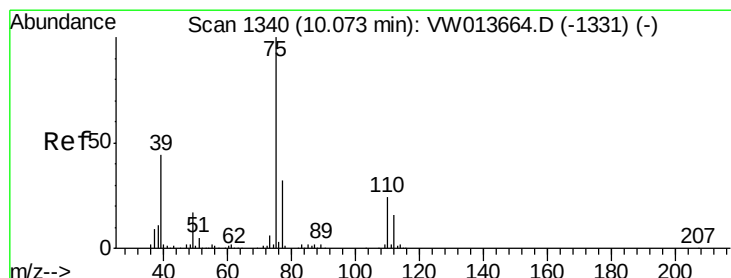
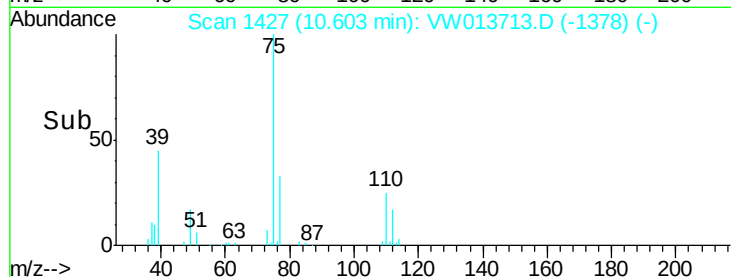
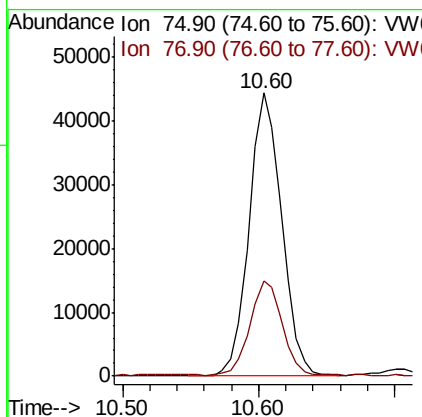
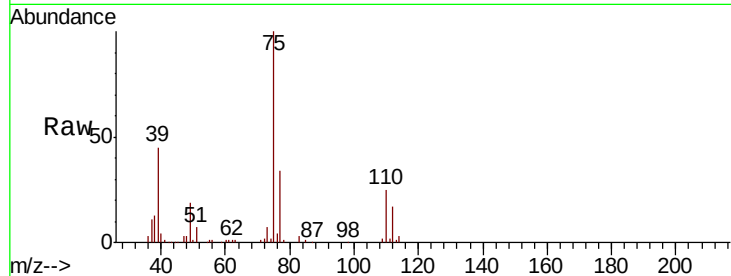
#53
 t-1,3-Dichloropropene
 Concen: 19.471 ug/l
 RT: 10.60 min Scan# 1427
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	33.1	25.5	38.3

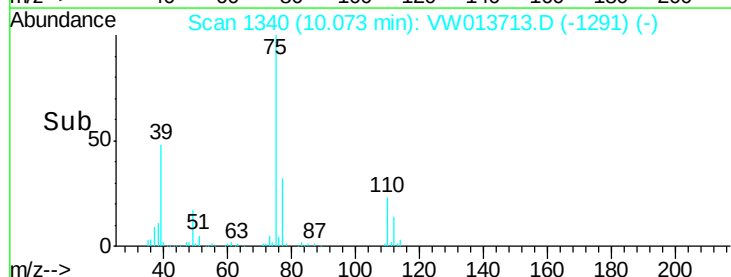
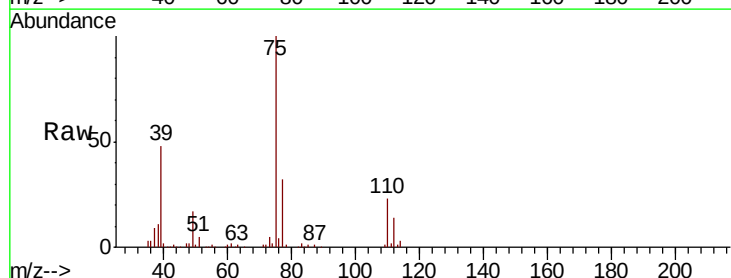
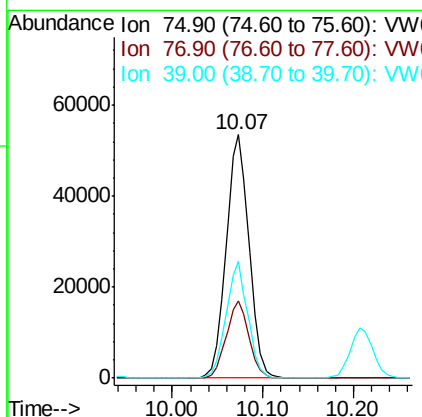
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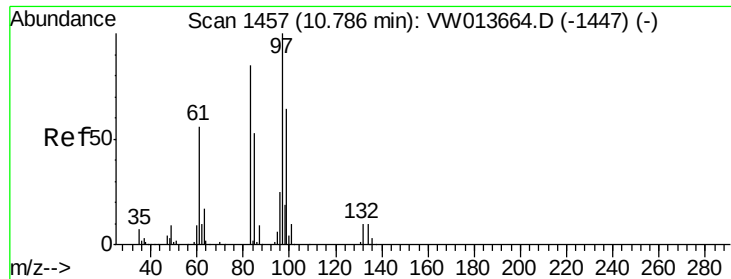
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#54
 cis-1,3-Dichloropropene
 Concen: 19.973 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.6	25.8	38.6
39	47.7	35.3	52.9





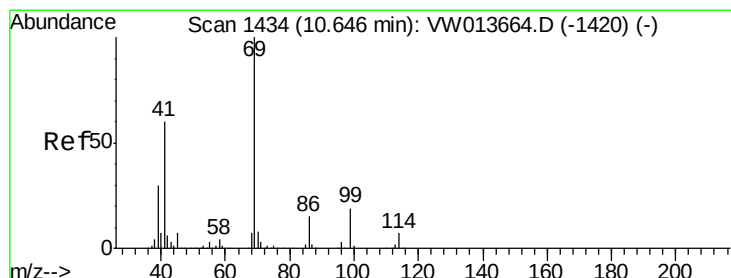
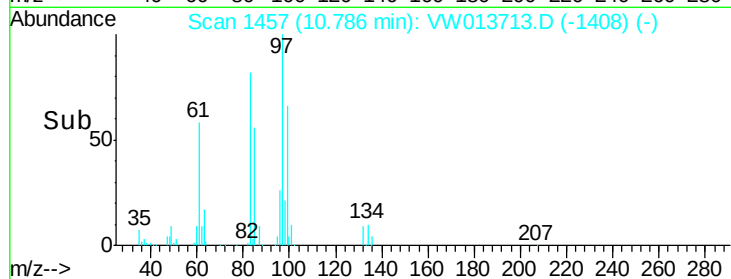
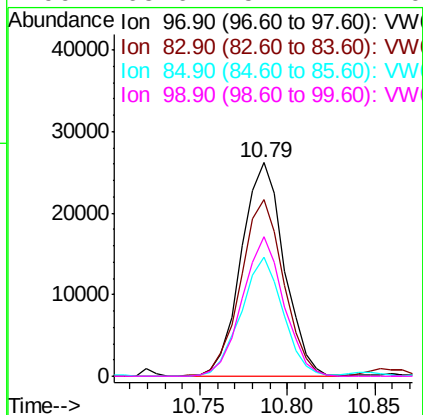
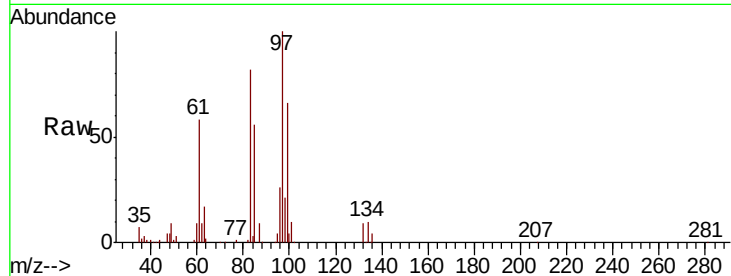
#55
 1,1,2-Trichloroethane
 Concen: 20.479 ug/l
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		44736		
83	82.1	67.8	101.8		
85	55.8	42.1	63.1		
99	65.6	51.4	77.0		

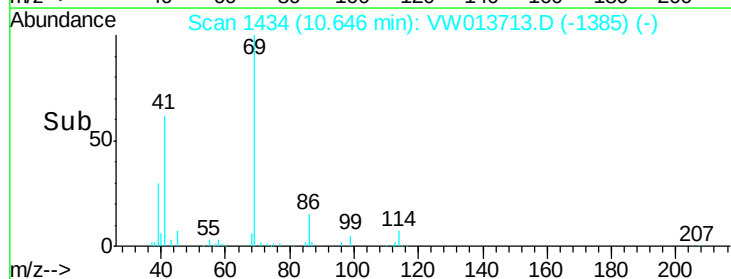
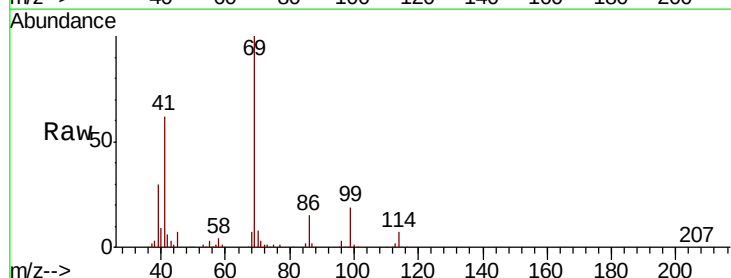
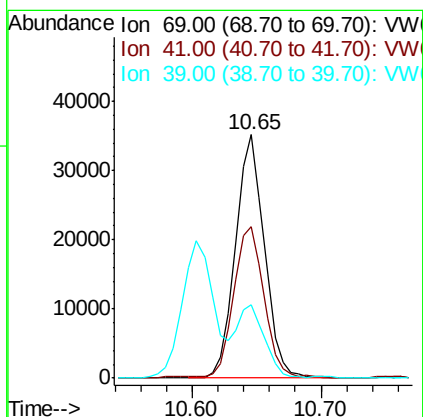
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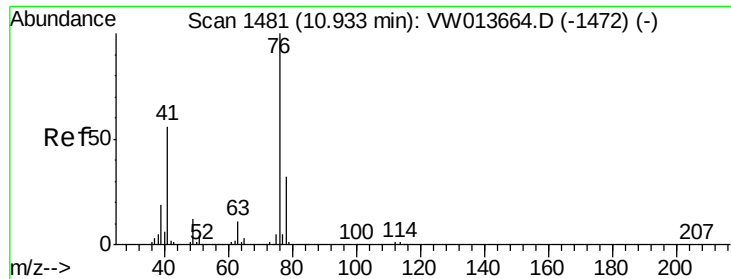
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#56
 Ethyl methacrylate
 Concen: 20.103 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		54942		
41	64.9	51.6	77.4		
39	28.1	22.4	33.6		





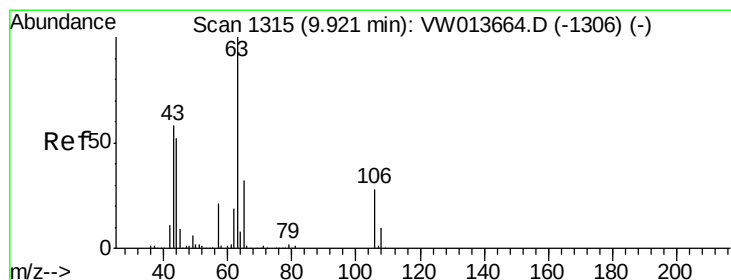
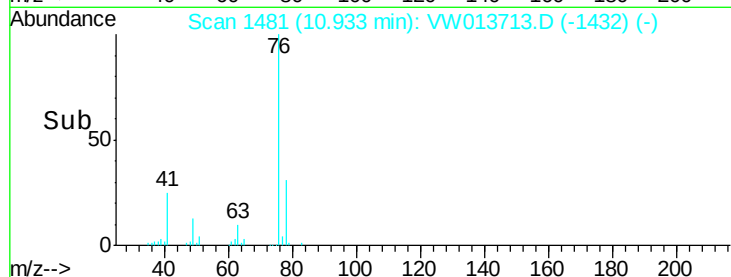
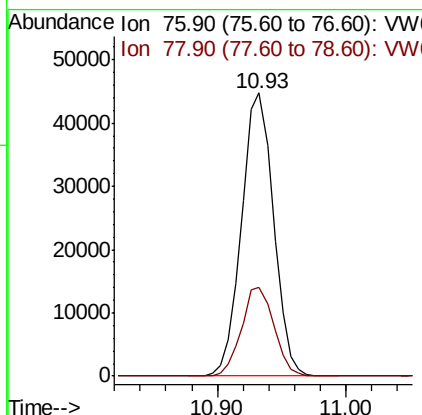
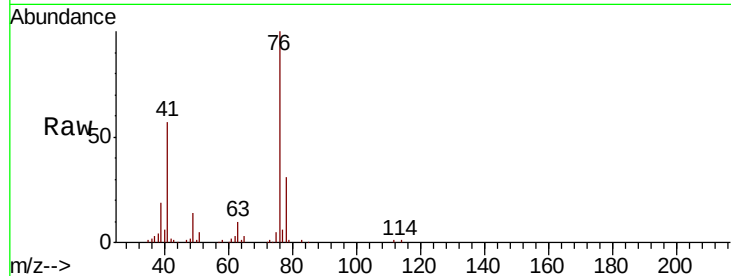
#57
 1,3-Dichloropropane
 Concen: 20.487 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 76 Resp: 76799
 Ion Ratio Lower Upper
 76 100
 78 31.8 26.0 39.0

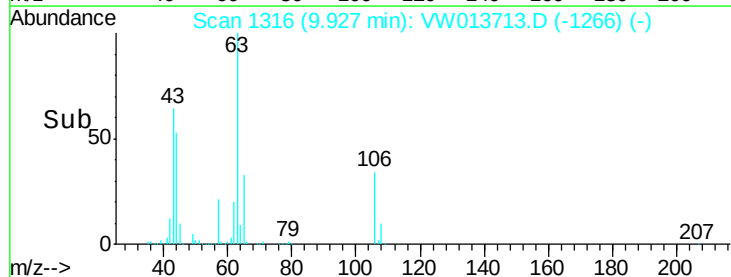
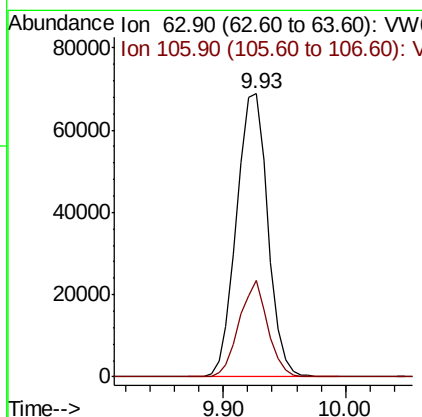
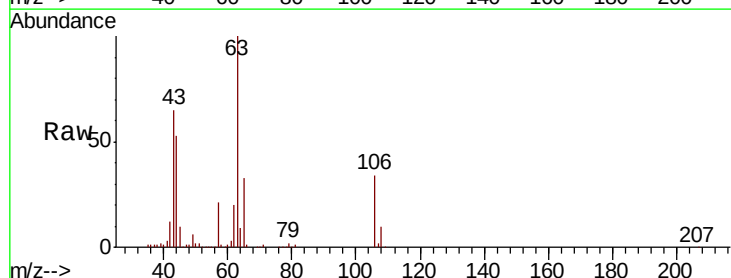
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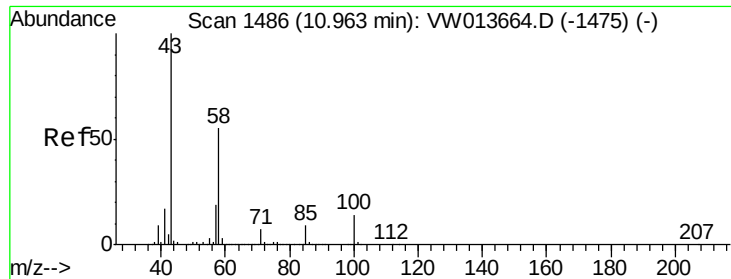
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#58
 2-Chloroethyl Vinyl ether
 Concen: 97.311 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.01 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 63 Resp: 122400
 Ion Ratio Lower Upper
 63 100
 106 30.8 23.8 35.8





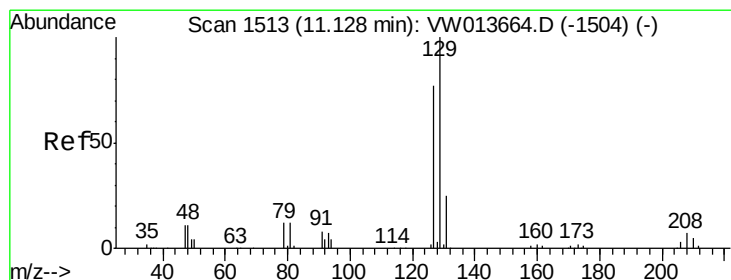
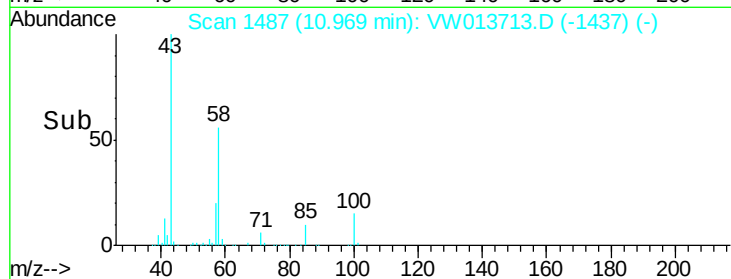
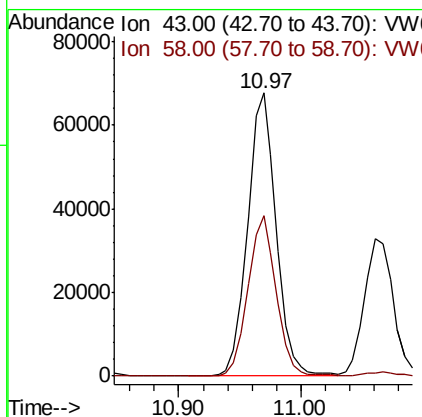
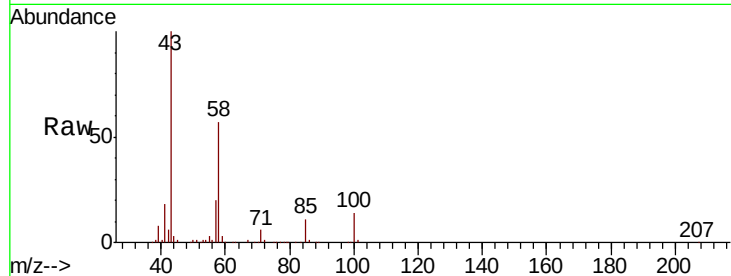
#59
2-Hexanone
Concen: 97.799 ug/l
RT: 10.97 min Scan# 1487
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	43	Resp	109672
Ion Ratio	100	Lower	Upper
43	100		
58	56.1	27.9	83.7

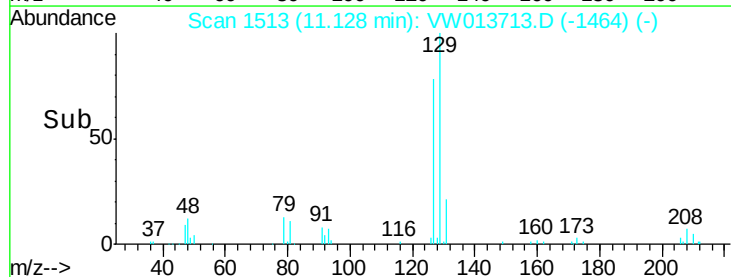
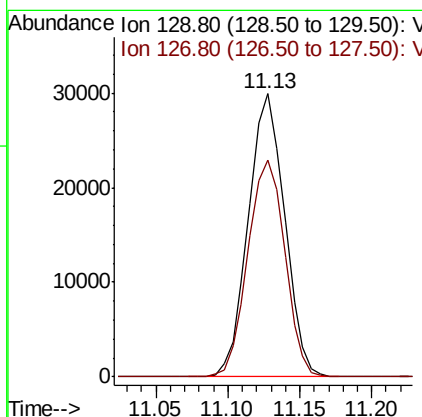
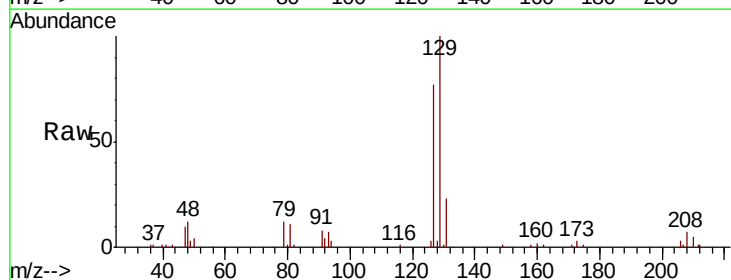
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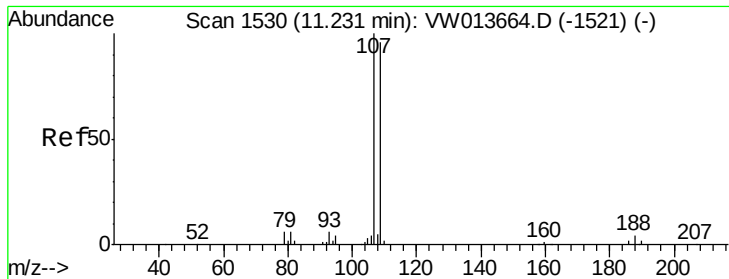
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10/25/2019 4:47:27 PM



#60
Dibromochloromethane
Concen: 20.177 ug/l
RT: 11.13 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	129	Resp	52330
Ion Ratio	100	Lower	Upper
129	100		
127	77.9	38.9	116.7





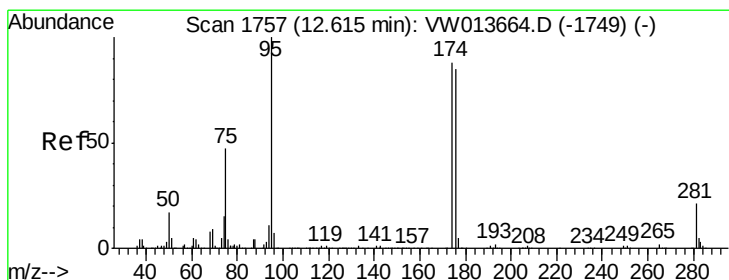
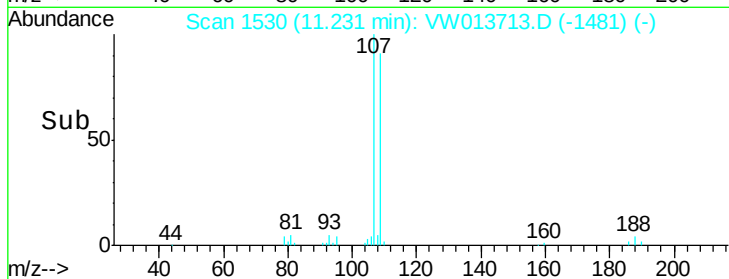
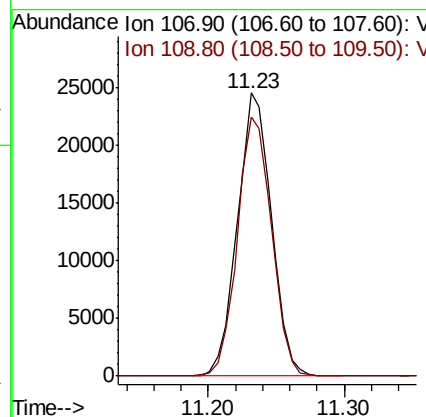
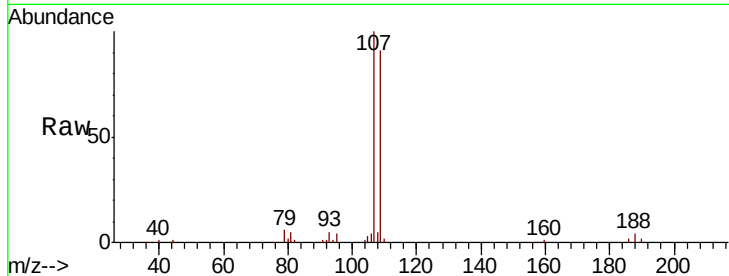
#61
 1,2-Dibromoethane
 Concen: 20.720 ug/l
 RT: 11.23 min Scan# 1530
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion: 107 Resp: 42821
 Ion Ratio Lower Upper
 107 100
 109 91.9 75.7 113.5

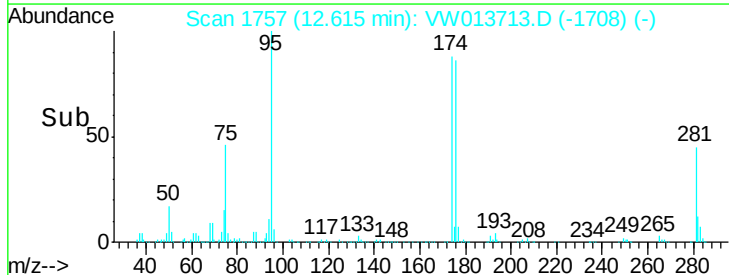
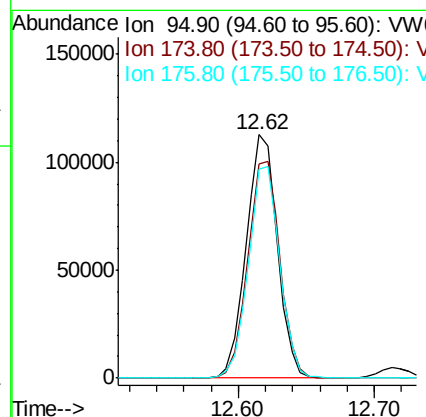
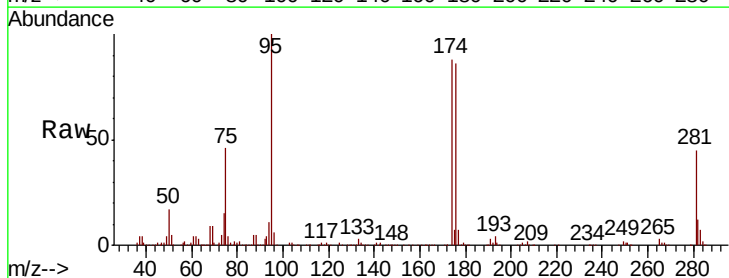
Manual Integrations
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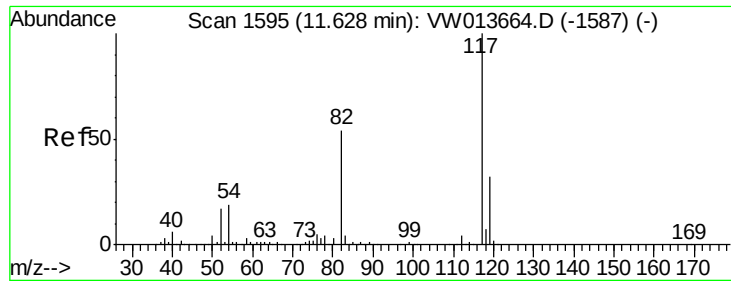
MMDadoda
 10/25/2019 4:47:27 PM



#62
 4-Bromofluorobenzene
 Concen: 49.121 ug/l
 RT: 12.62 min Scan# 1757
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion: 95 Resp: 180649
 Ion Ratio Lower Upper
 95 100
 174 92.1 0.0 183.6
 176 88.1 0.0 178.0





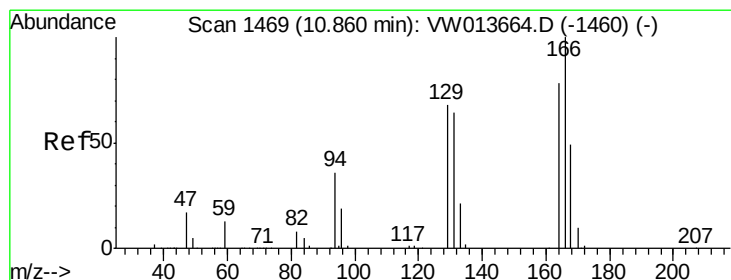
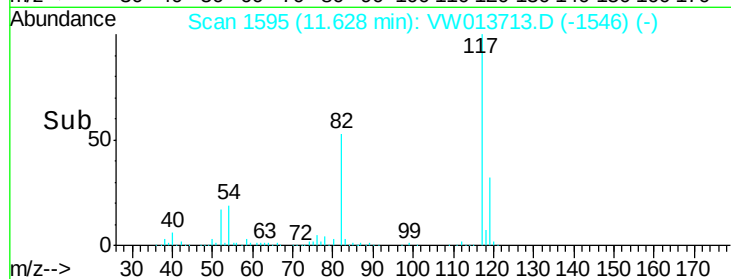
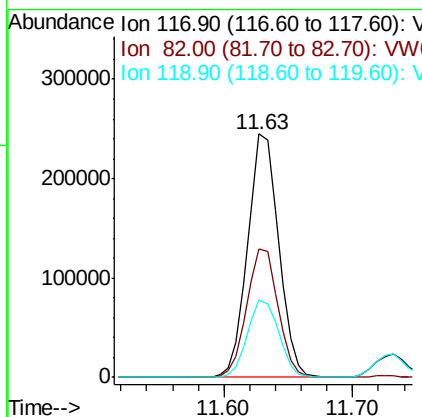
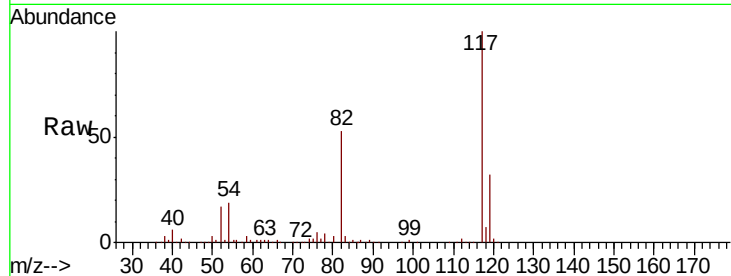
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.6	65.4
119	31.7	25.4	38.2

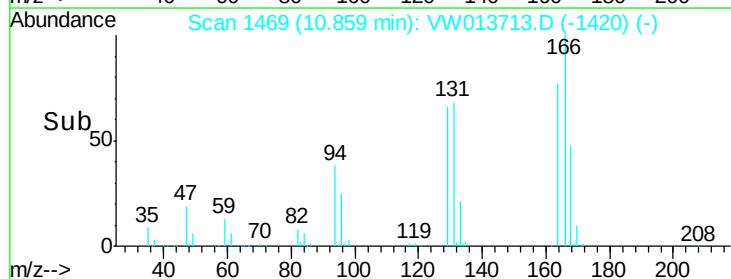
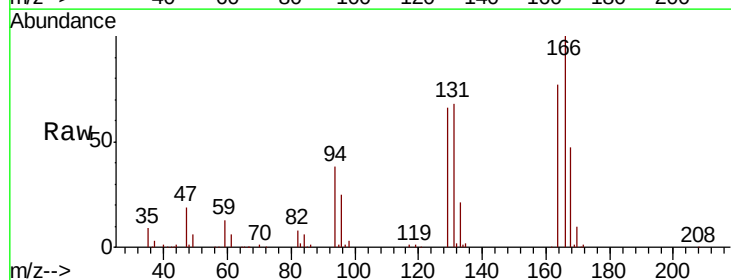
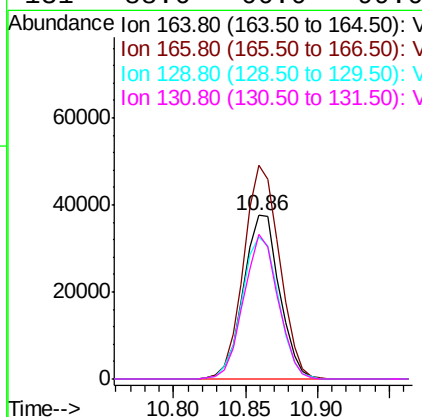
Manual Integrations
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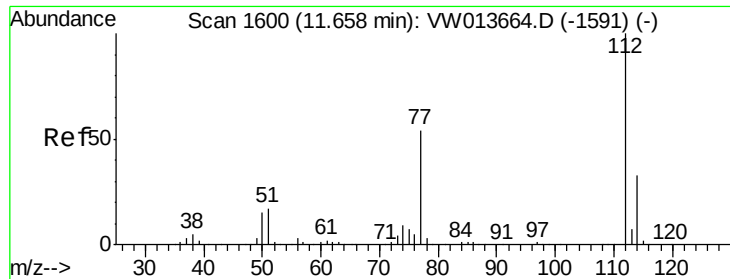
MMDadoda
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#64
Tetrachloroethene
Concen: 21.083 ug/l
RT: 10.86 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	130.4	103.2	154.8
129	86.6	70.6	105.8
131	88.6	66.0	99.0





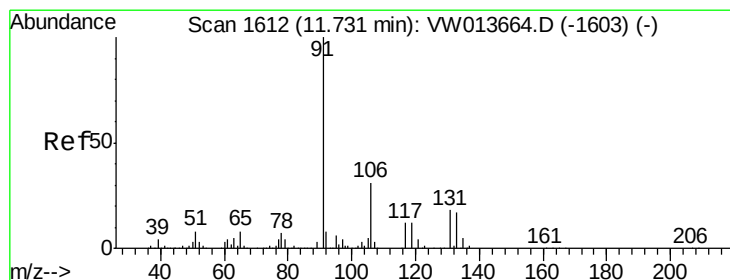
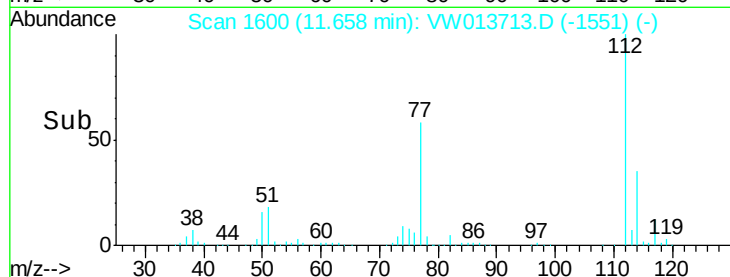
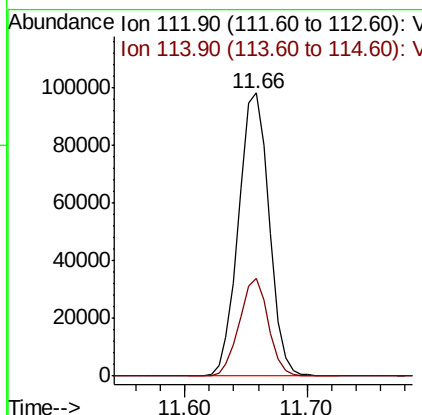
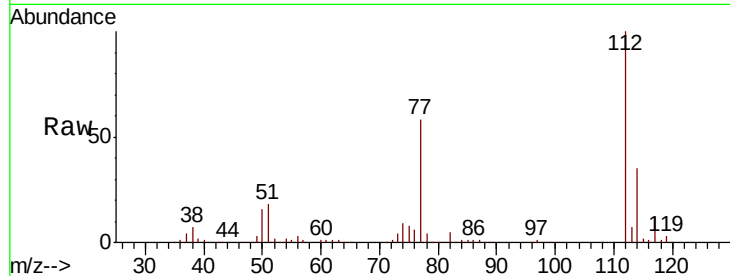
#65
Chlorobenzene
Concen: 20.414 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion:112 Resp: 170337
Ion Ratio Lower Upper
112 100
114 34.7 26.2 39.4

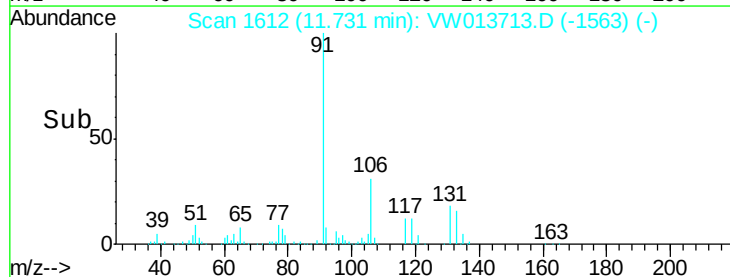
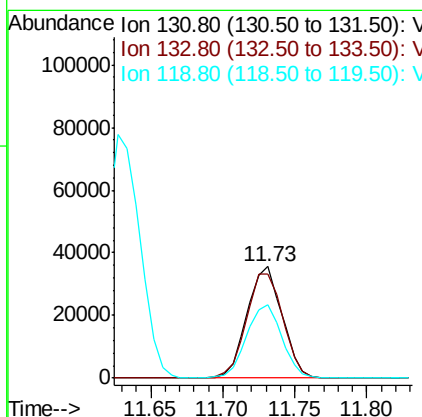
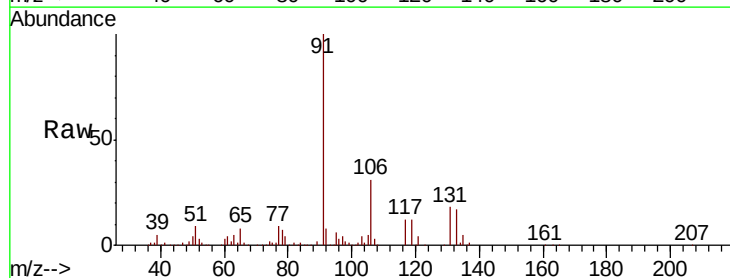
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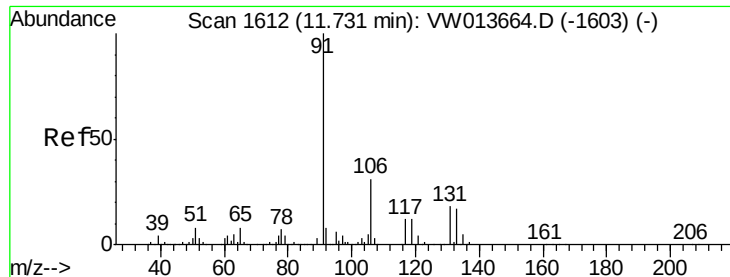
MMDadoda
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#66
1,1,1,2-Tetrachloroethane
Concen: 20.581 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion:131 Resp: 59932
Ion Ratio Lower Upper
131 100
133 97.6 47.4 142.3
119 66.4 33.1 99.2





#67

Ethyl Benzene

Concen: 20.700 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBS01

Tot Ion: 91 Resp: 311454

Ion Ratio Lower Upper

91 100

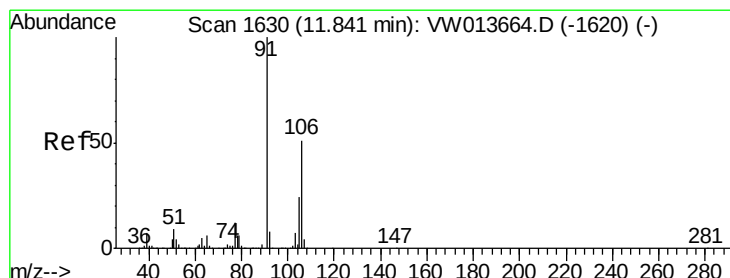
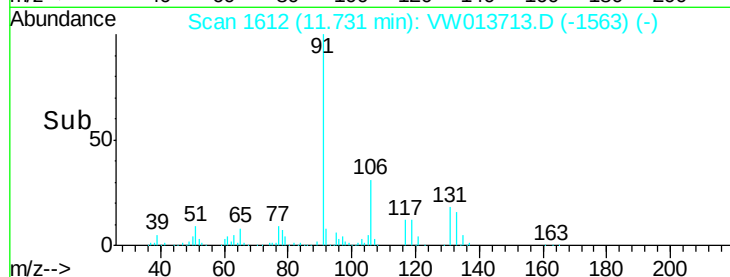
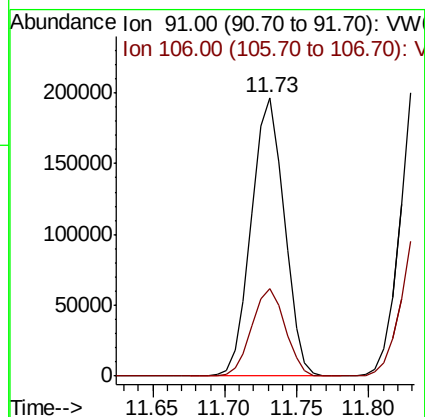
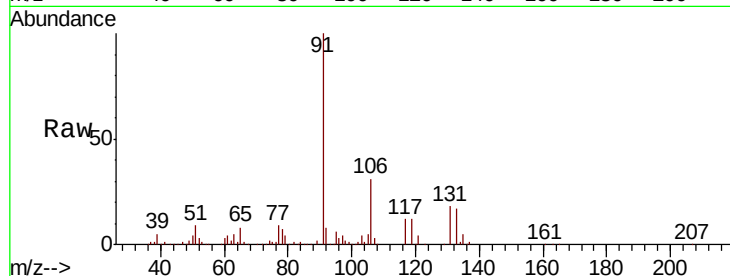
106 31.3 25.0 37.6

Manual Integrations

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#68

m/p-Xylenes

Concen: 41.658 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW013713.D

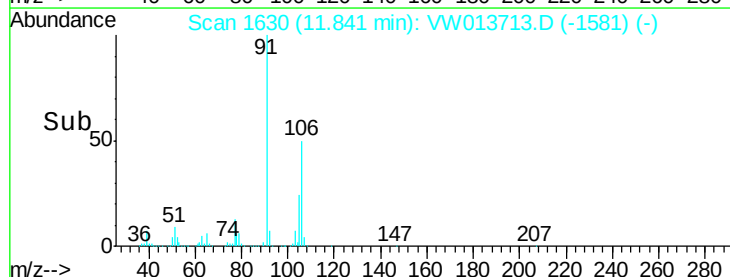
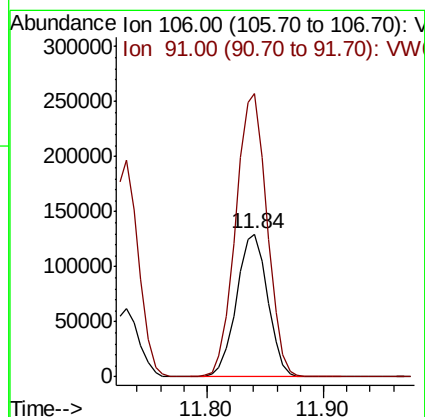
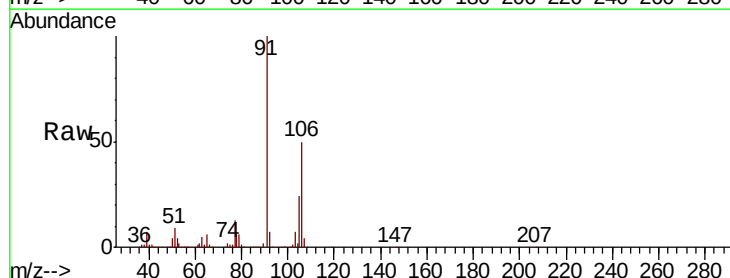
Acq: 24 Oct 2019 16:17

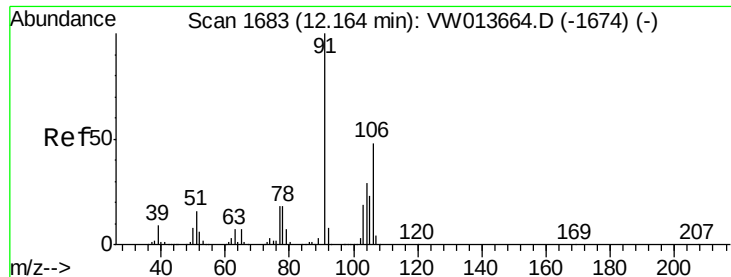
Tgt Ion: 106 Resp: 242156

Ion Ratio Lower Upper

106 100

91 199.8 159.2 238.8





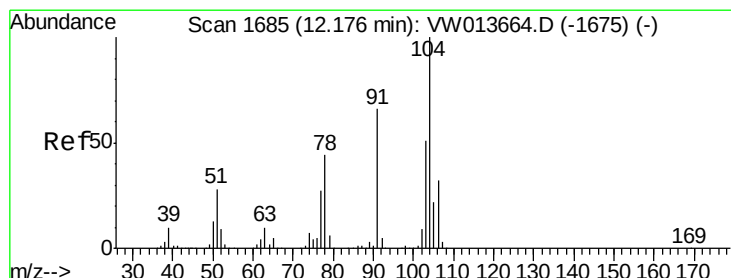
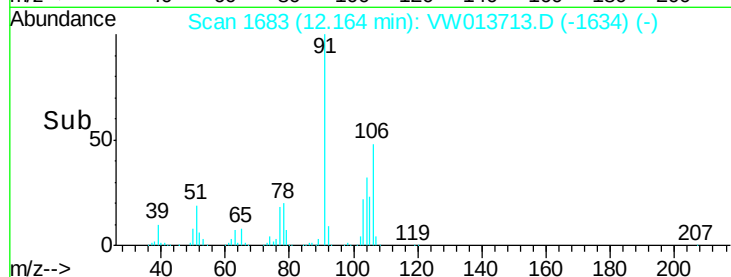
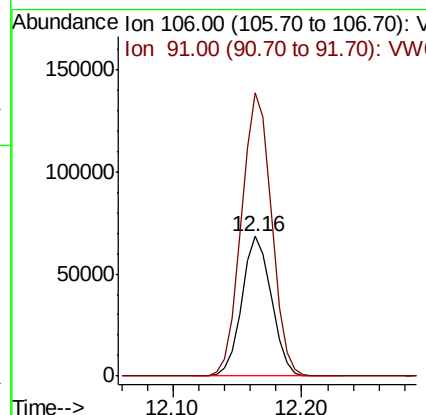
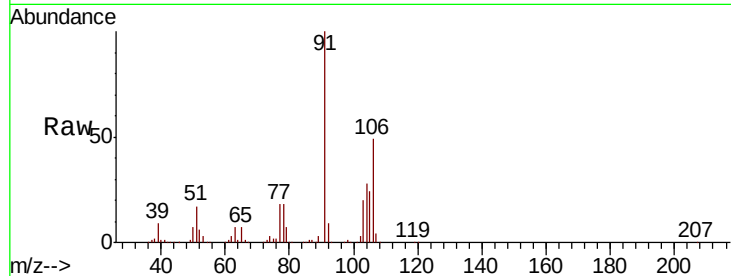
#69
o-Xylene
Concen: 20.324 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	100		108593		
91	206.1	104.9	314.7		

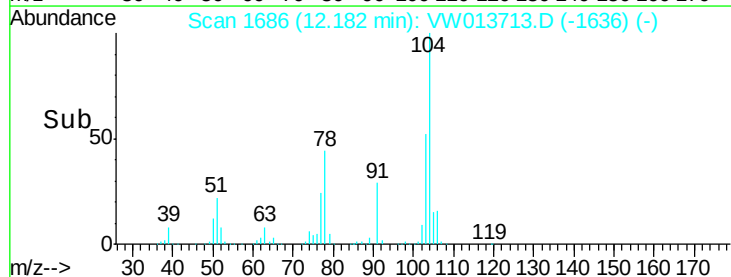
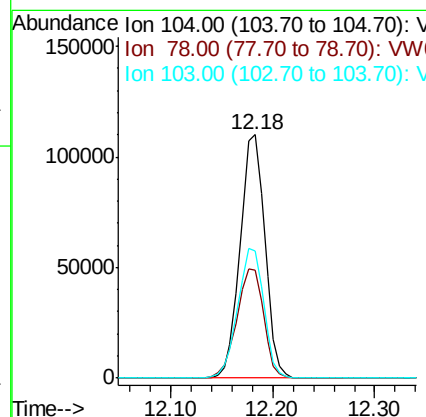
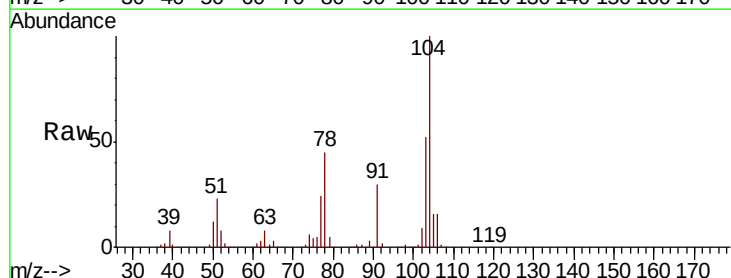
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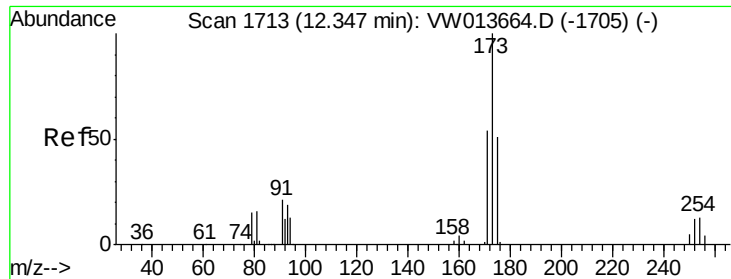
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#70
Styrene
Concen: 20.103 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	100		184555		
78	49.0	37.1	55.7		
103	55.9	43.6	65.4		





#71

Bromoform

Concen: 20.103 ug/l

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBSD01

Tot Ion:173 Resp: 30721

Ion Ratio Lower Upper

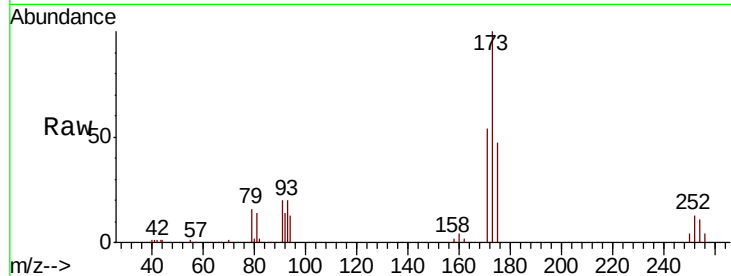
173 100

175 49.1 25.2 75.6

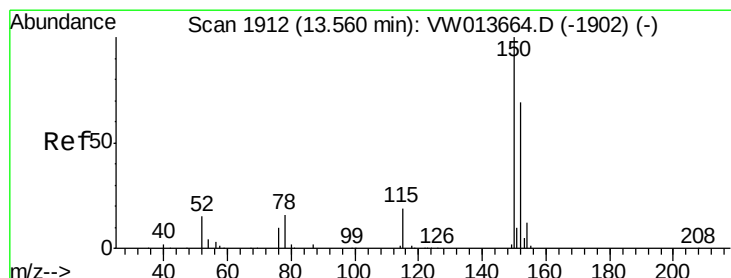
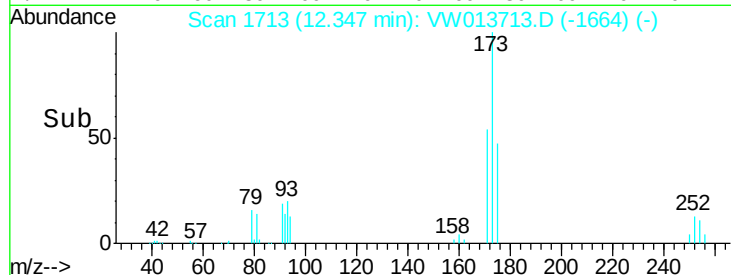
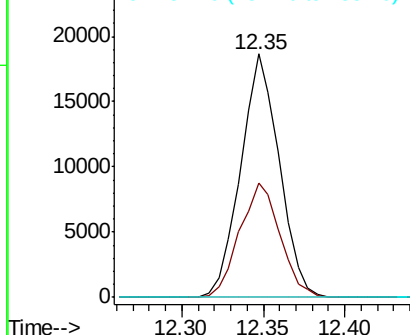
254 0.1 0.1 0.1#

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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

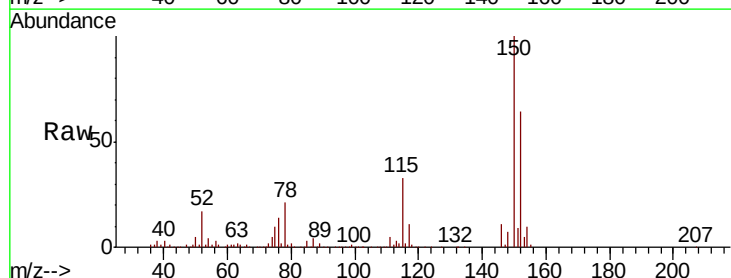
Tgt Ion:152 Resp: 209329

Ion Ratio Lower Upper

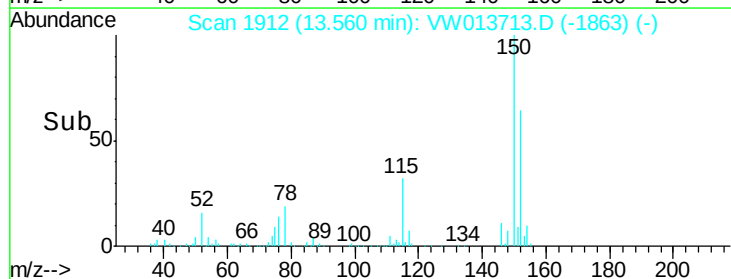
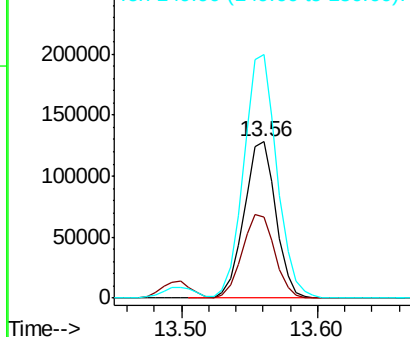
152 100

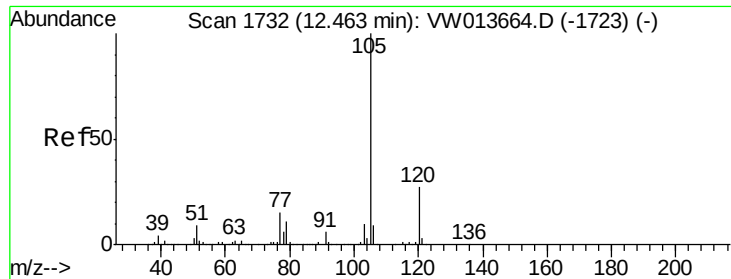
115 54.5 27.4 82.2

150 162.2 0.0 345.4



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





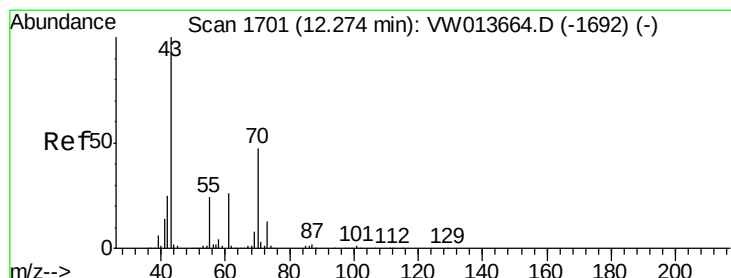
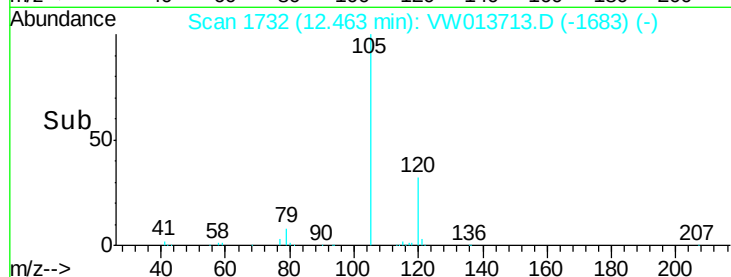
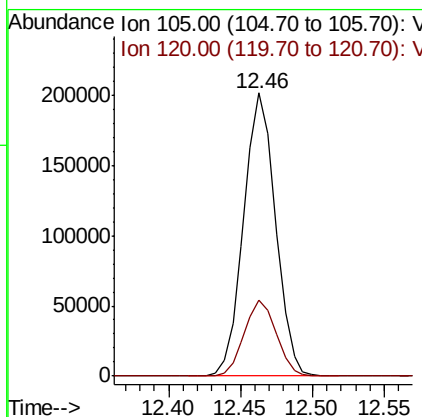
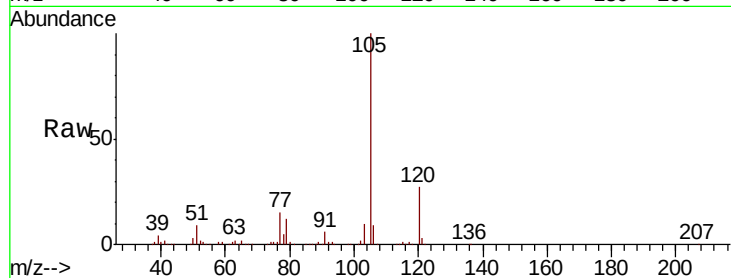
#73
Isopropylbenzene
Concen: 20.539 ug/l
RT: 12.46 min Scan# 1732
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion:105 Resp: 308750
Ion Ratio Lower Upper
105 100
120 26.9 13.5 40.4

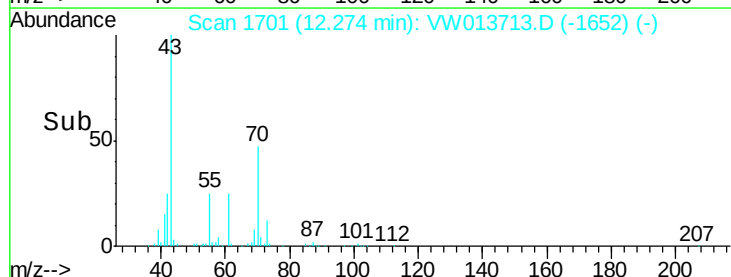
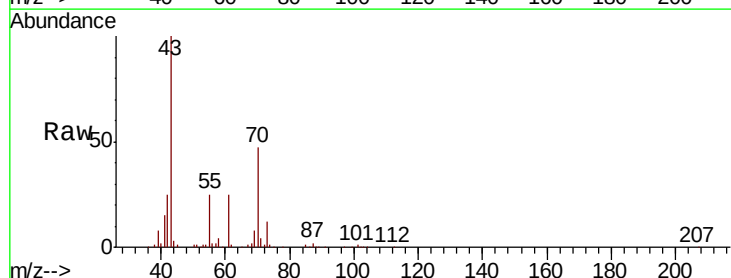
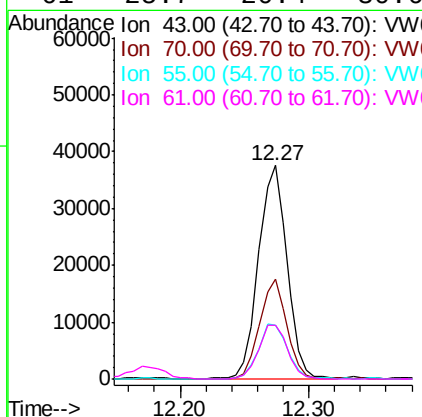
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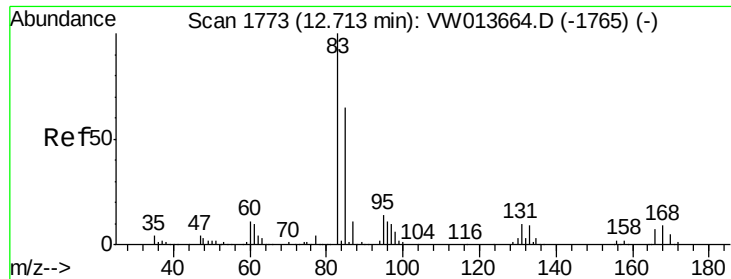
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#74
N-ethyl acetate
Concen: 19.813 ug/l
RT: 12.27 min Scan# 1701
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion: 43 Resp: 57616
Ion Ratio Lower Upper
43 100
70 44.7 36.6 55.0
55 26.5 20.3 30.5
61 25.7 20.4 30.6





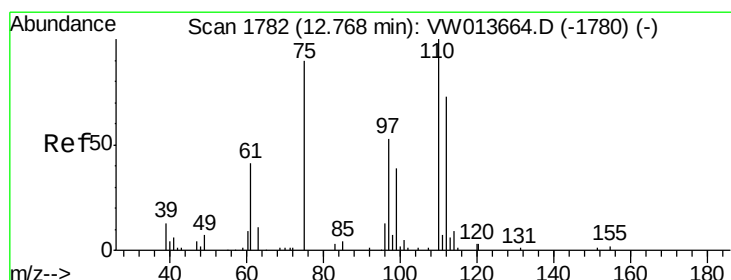
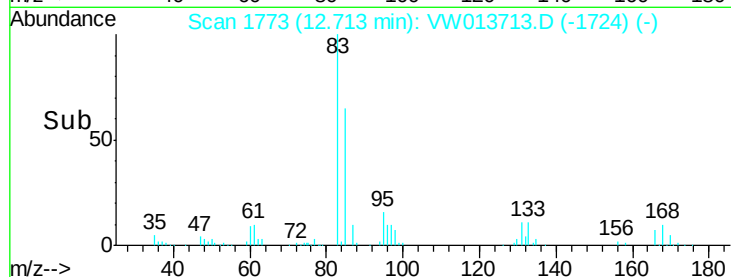
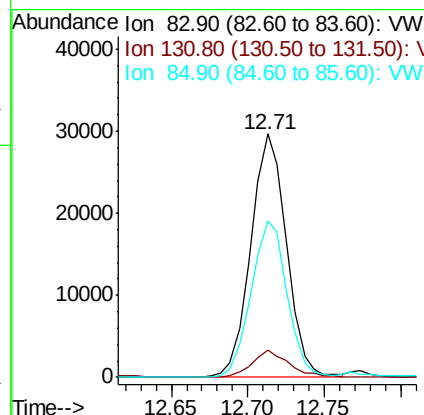
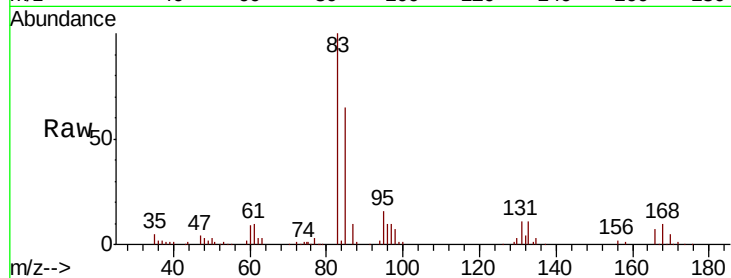
#75
 1,1,2,2-Tetrachloroethane
 Concen: 20.313 ug/l
 RT: 12.71 min Scan# 1773
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ratio	Resp	Lower	Upper
83	100			
131	11.3	5.7	17.1	
85	64.9	32.5	97.4	

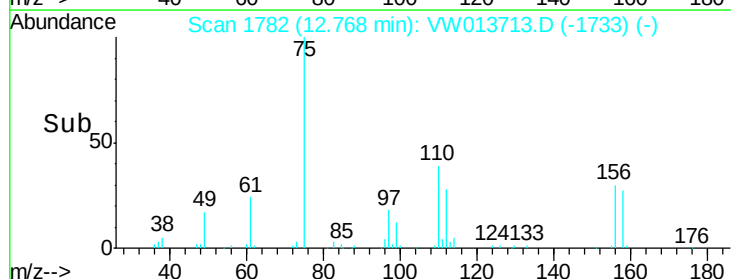
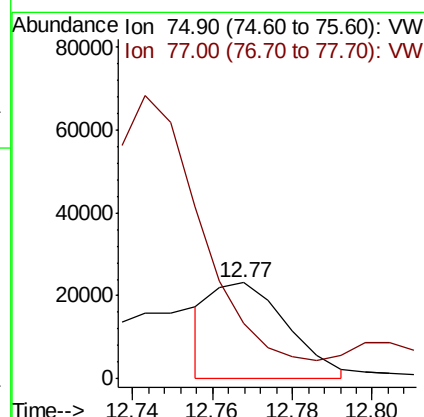
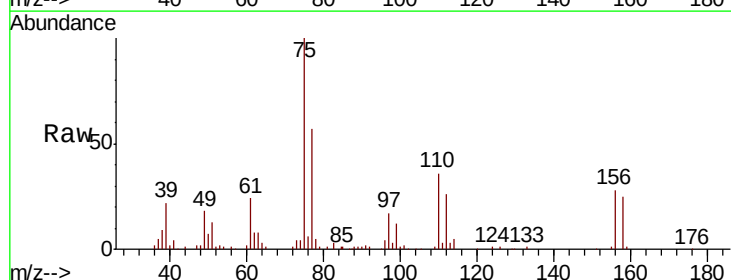
Manual Integrations
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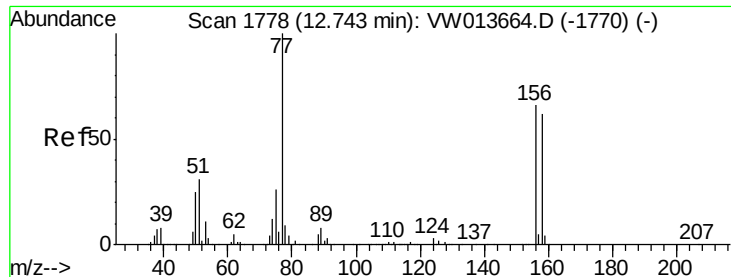
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#76
 1,2,3-Trichloropropane
 Concen: 20.425 ug/l m
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

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





#77

Bromobenzene

Concen: 20.062 ug/l

RT: 12.74 min Scan# 1778

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

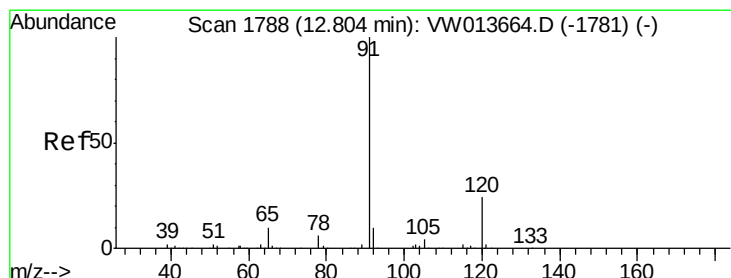
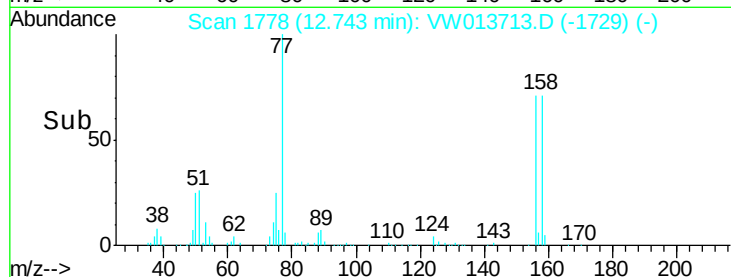
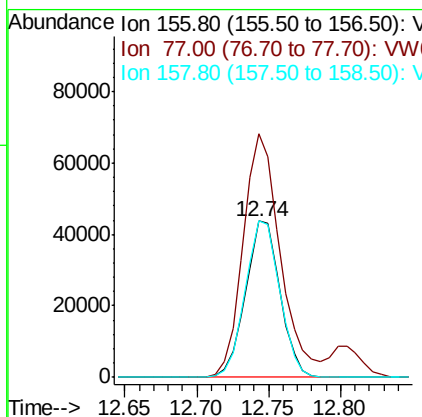
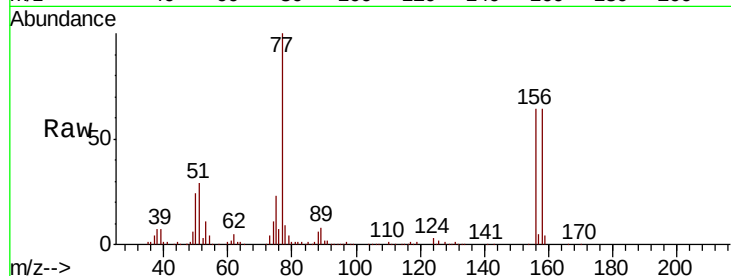
ClientSampleId :

VW1024SBSD01

Tot Ion	Ion	Ratio	Lower	Upper
156	100			
77	169.3	82.9	248.7	
158	100.6	48.4	145.2	

Manual Integrations
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#78

n-propylbenzene

Concen: 20.752 ug/l

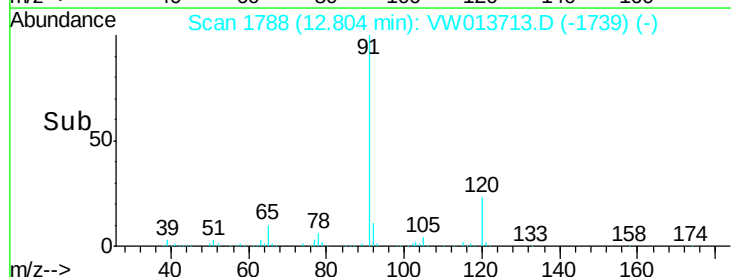
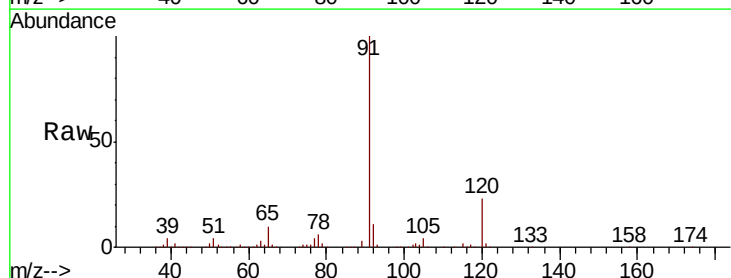
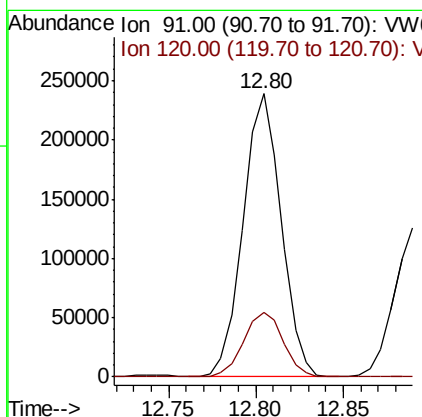
RT: 12.80 min Scan# 1788

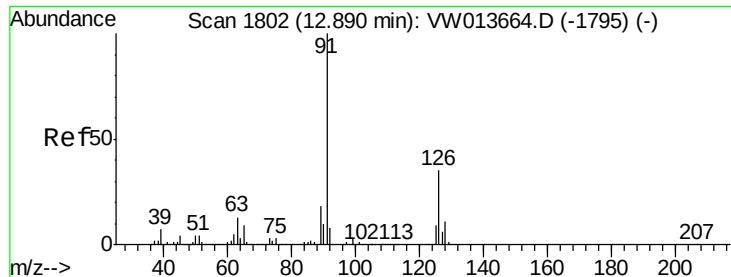
Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Tgt Ion	Ion	Ratio	Lower	Upper
91	100			
120	23.8	12.0	36.0	





#79

2-Chlorotoluene

Concen: 20.660 ug/l

RT: 12.89 min Scan# 1802

Delta R.T. -0.00 min

Lab File: VW013713.D

Acq: 24 Oct 2019 16:17

Instrument :

MSVOA_W

ClientSampleId :

VW1024SBSD01

Tot Ion: 91 Resp: 202014

Ion Ratio Lower Upper

91 100

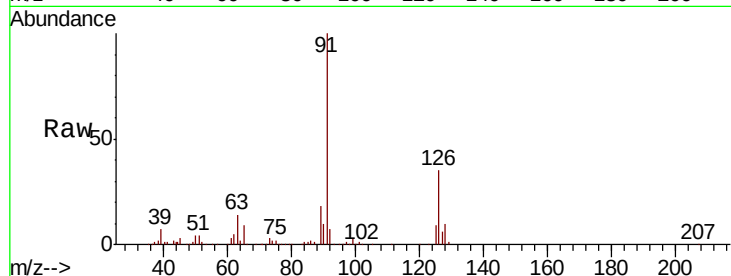
126 35.0 17.4 52.2

Manual Integrations

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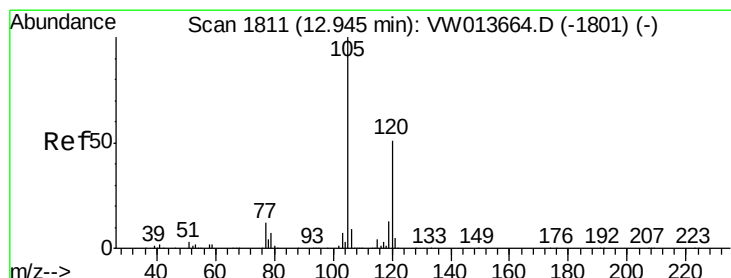
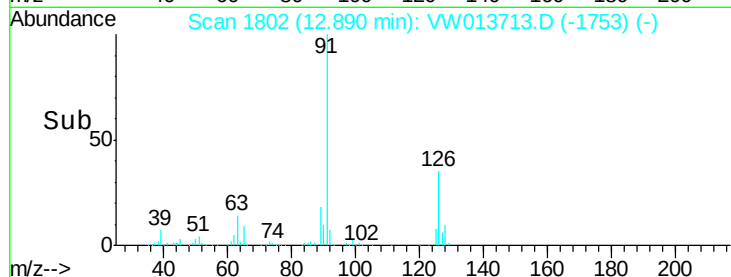
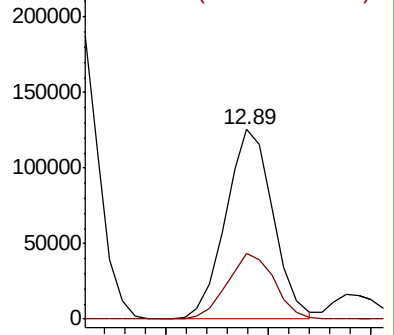
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Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 20.623 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW013713.D

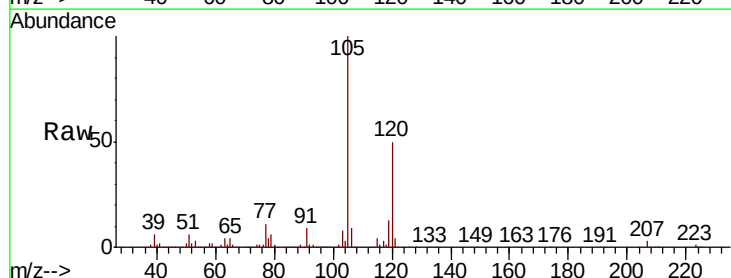
Acq: 24 Oct 2019 16:17

Tgt Ion:105 Resp: 261704

Ion Ratio Lower Upper

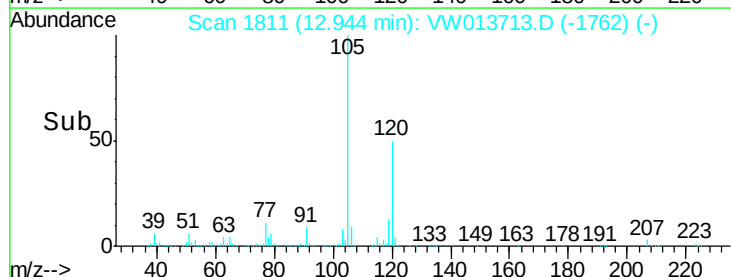
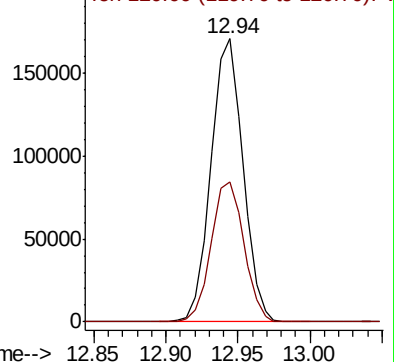
105 100

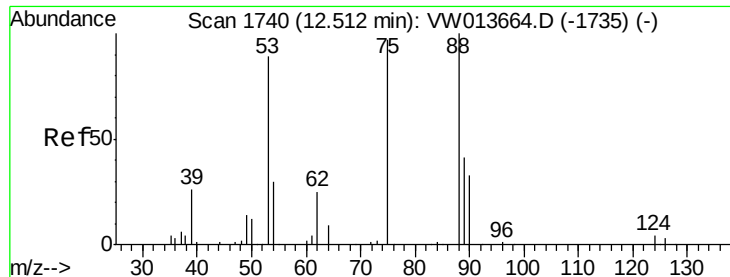
120 51.0 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





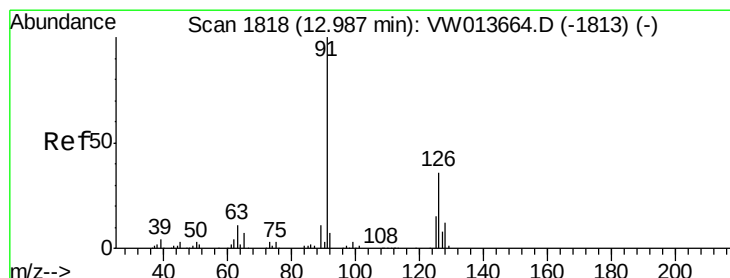
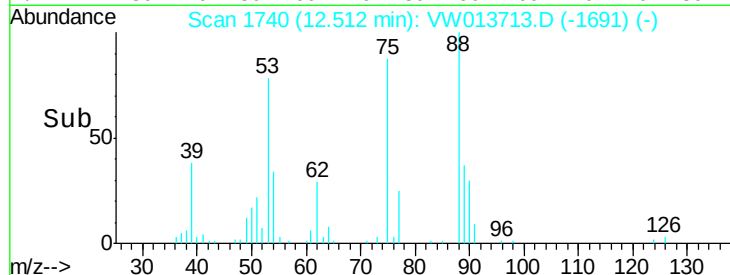
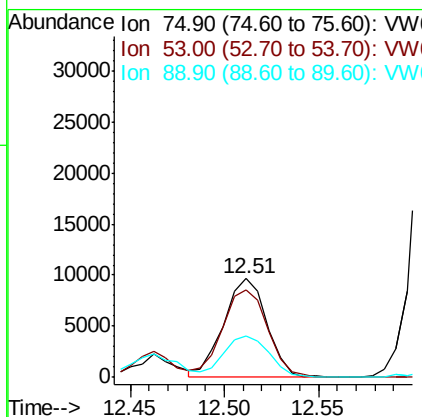
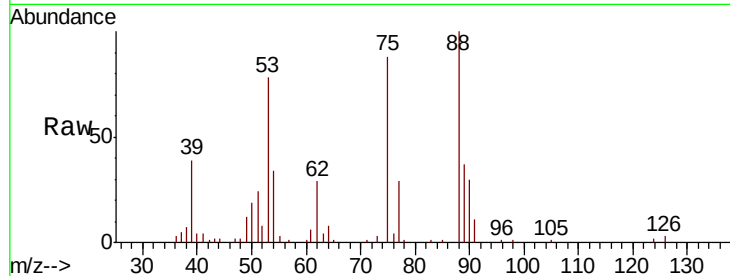
#81
trans-1,4-Dichloro-2-butene
Concen: 19.289 ug/l
RT: 12.51 min Scan# 1740
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
53	93.0	71.7	107.5
89	43.6	35.8	53.8

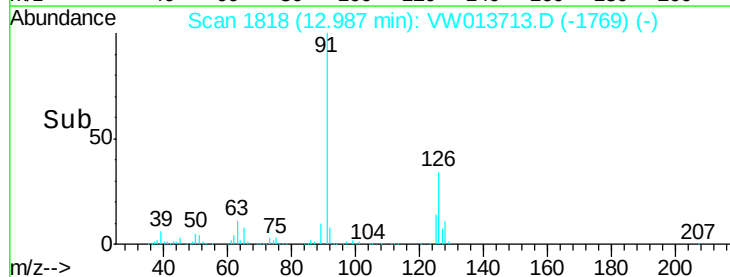
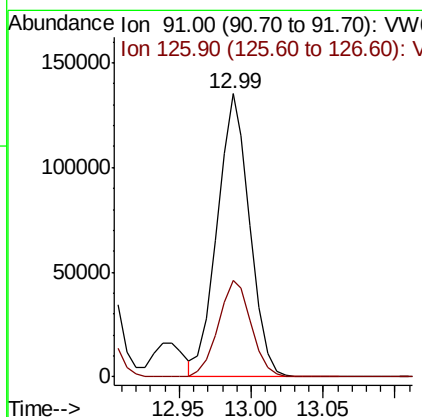
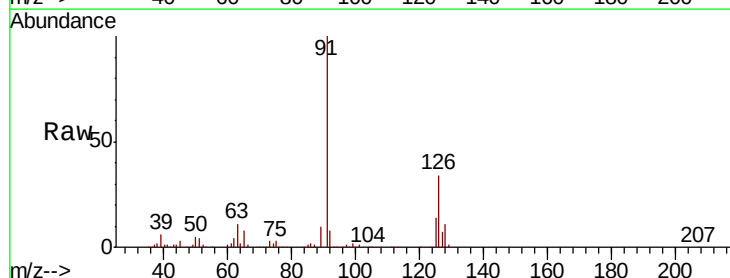
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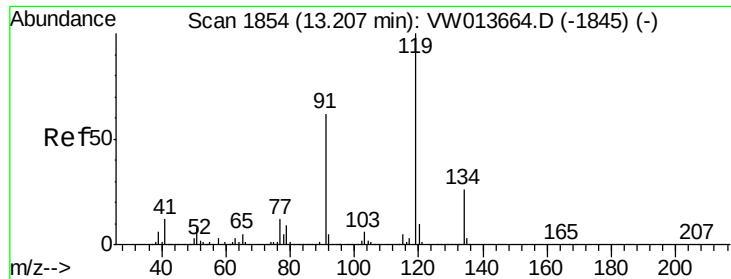
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#82
4-Chlorotoluene
Concen: 20.638 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
91	100		
126	34.6	17.2	51.5





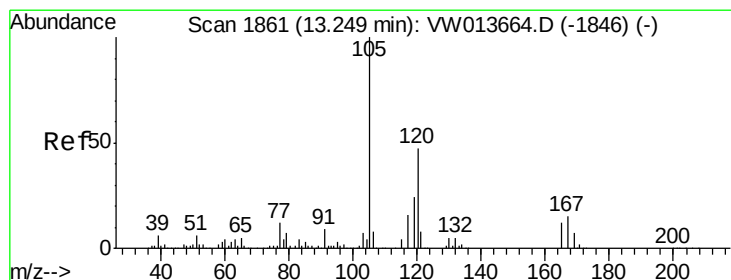
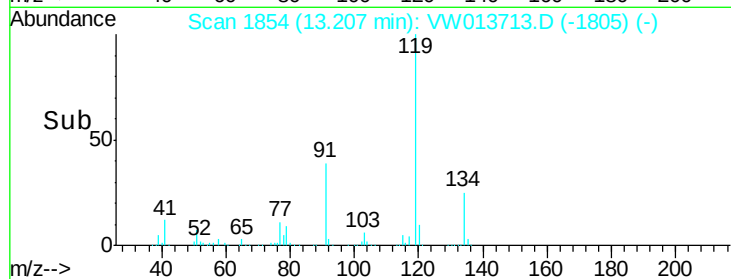
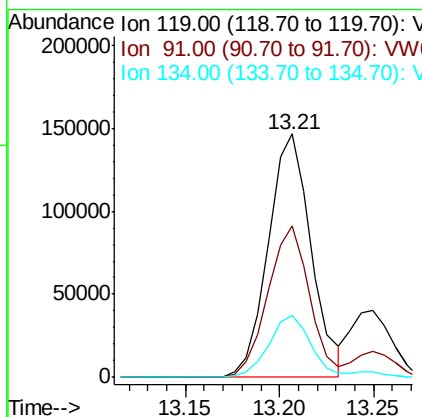
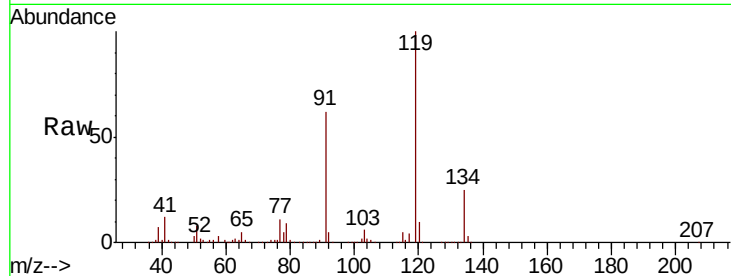
#83
 tert-Butylbenzene
 Concen: 20.577 ug/l
 RT: 13.21 min Scan# 1854
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
119	100	231784		
91	60.5		30.4	91.3
134	25.1		13.6	40.8

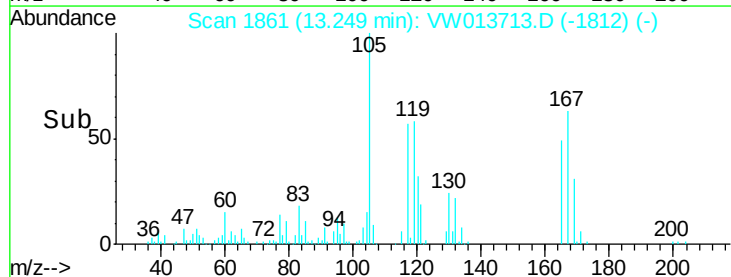
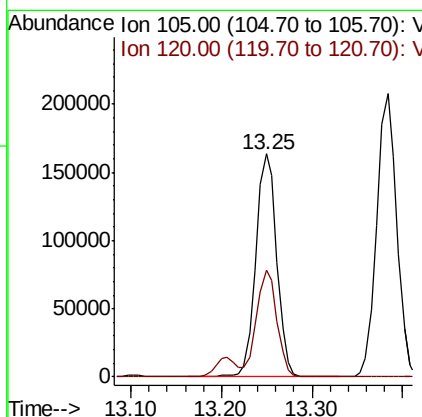
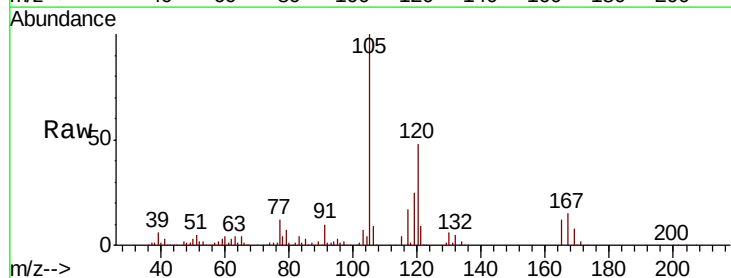
Manual Integrations
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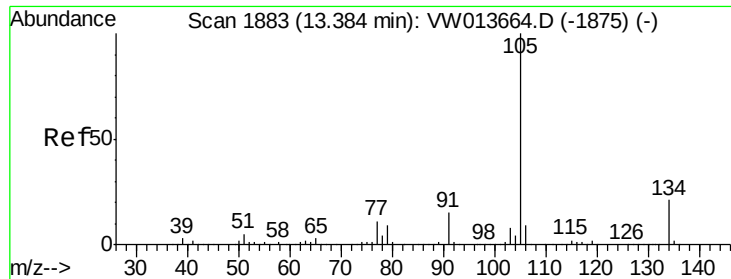
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#84
 1,2,4-Trimethylbenzene
 Concen: 20.821 ug/l
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	260640		
120	46.3		23.5	70.5





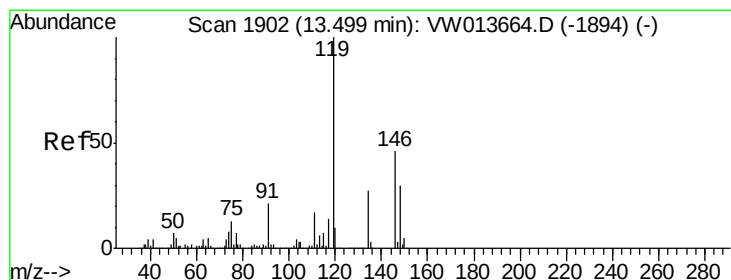
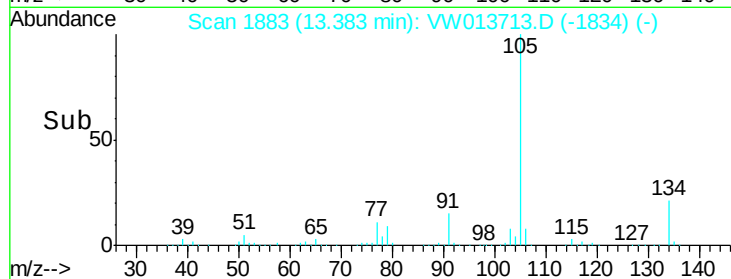
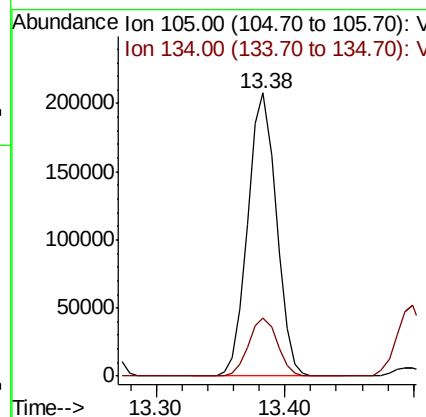
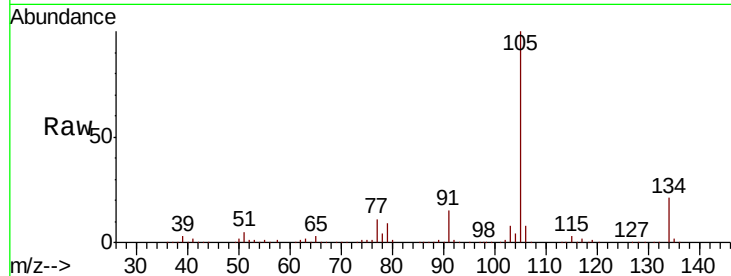
#85
 sec-Butylbenzene
 Concen: 20.664 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBSD01

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	10.5	31.5

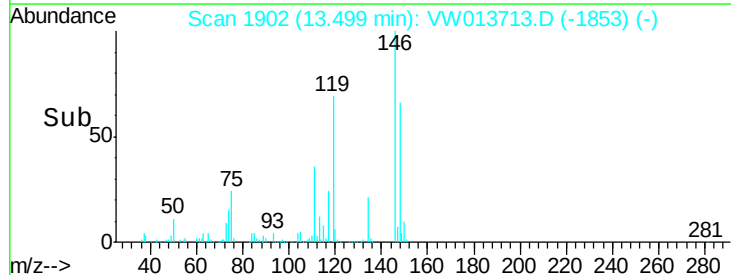
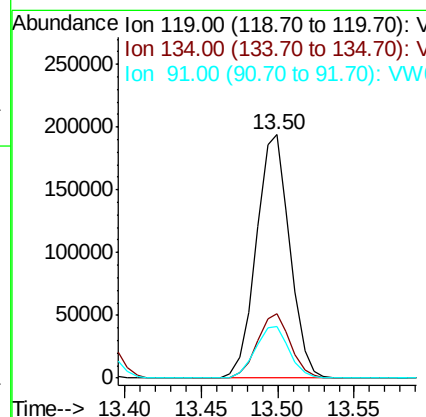
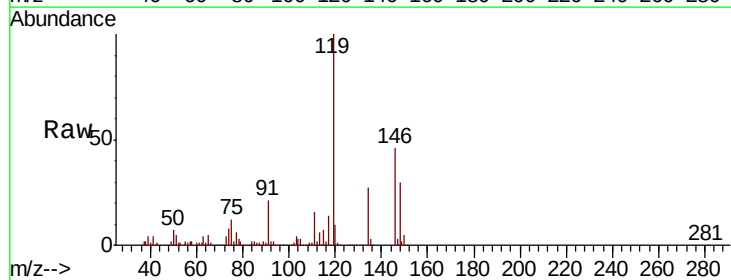
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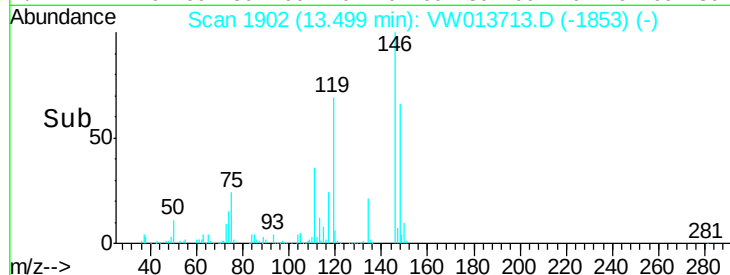
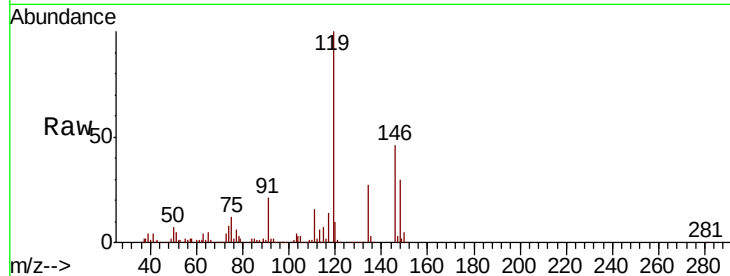
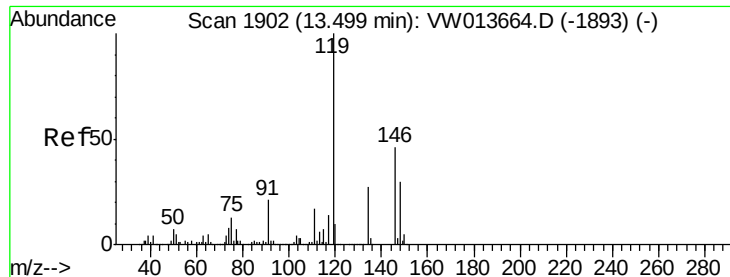
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#86
 p-Isopropyltoluene
 Concen: 20.471 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.4	40.1
91	21.8	10.8	32.3





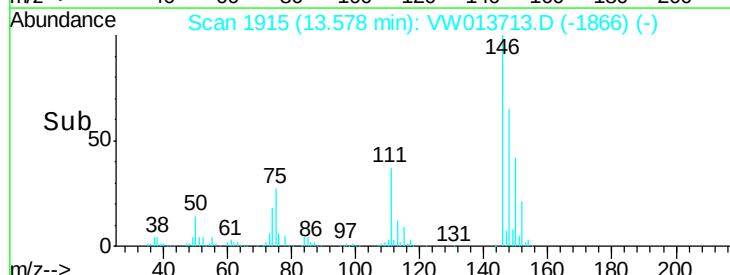
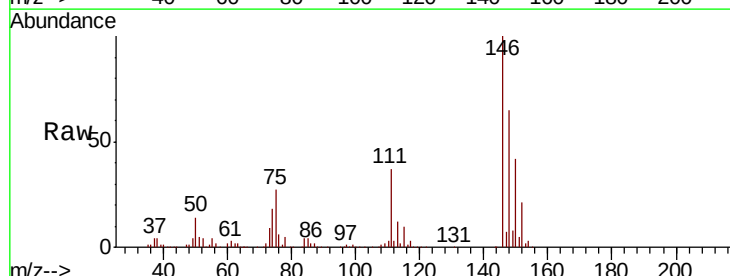
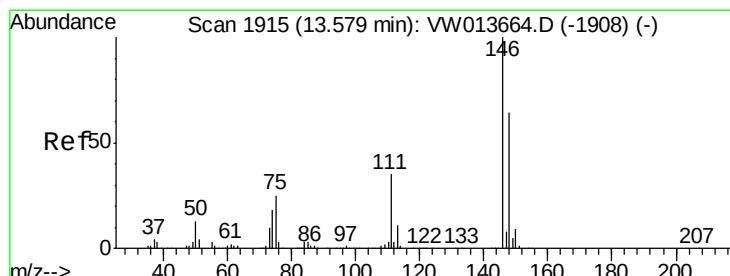
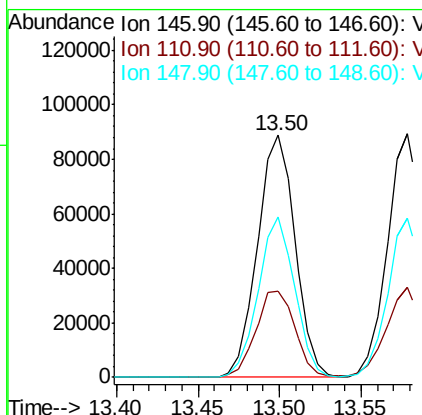
#87
1,3-Dichlorobenzene
Concen: 20.561 ug/l
RT: 13.50 min Scan# 1902
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tot Ion	Ratio	Resp	Lower	Upper
146	100	143057		
111	37.2	18.6	56.0	
148	64.1	31.7	95.1	

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

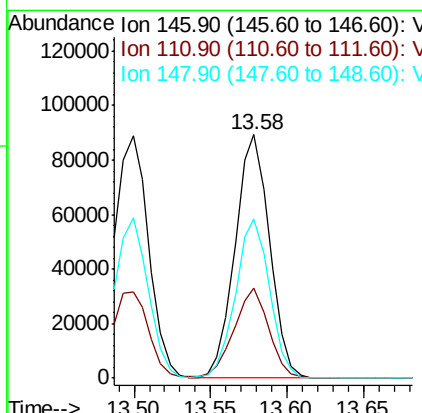
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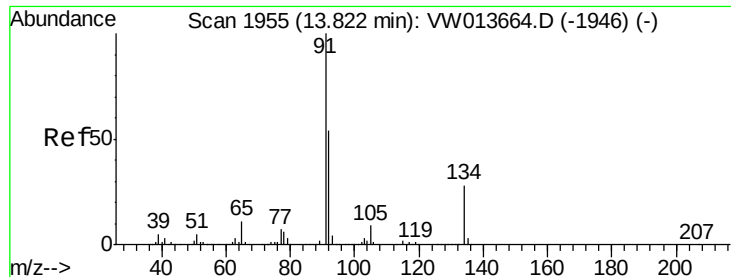
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#88
1,4-Dichlorobenzene
Concen: 20.199 ug/l
RT: 13.58 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	139623		
111	37.4	18.1	54.3	
148	64.7	32.0	96.2	





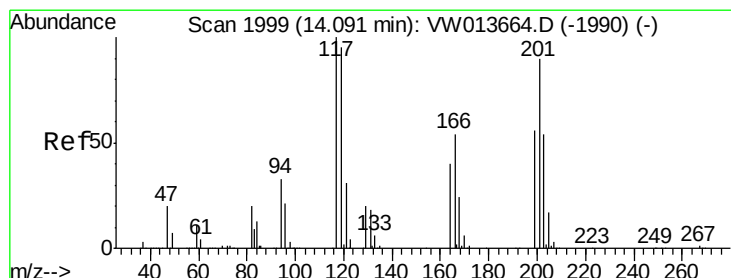
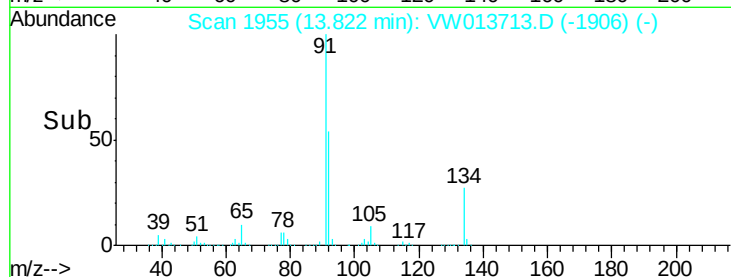
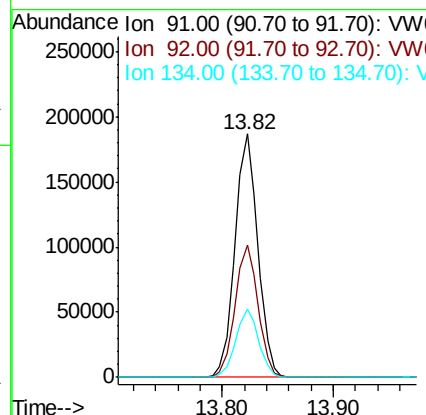
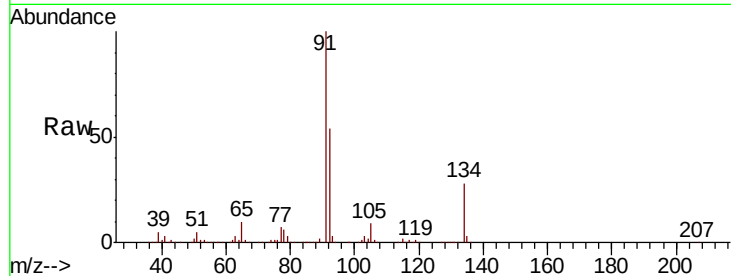
#89
n-Butylbenzene
Concen: 20.498 ug/l
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Resp	Lower	Upper
91	100	265480		
92	54.5		27.5	82.4
134	28.0		14.0	41.9

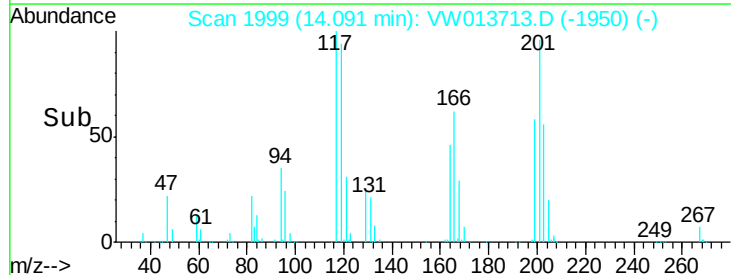
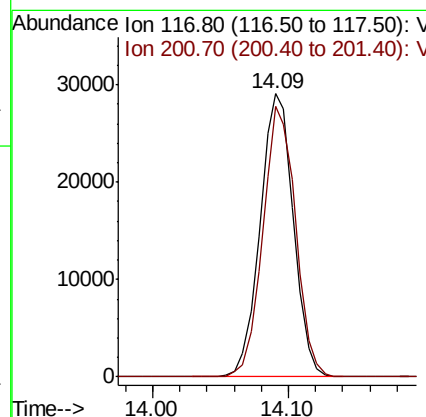
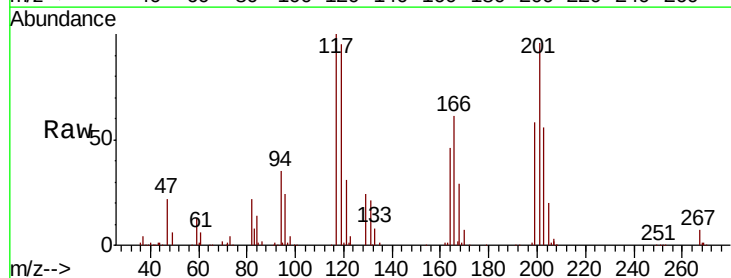
Manual Integrations
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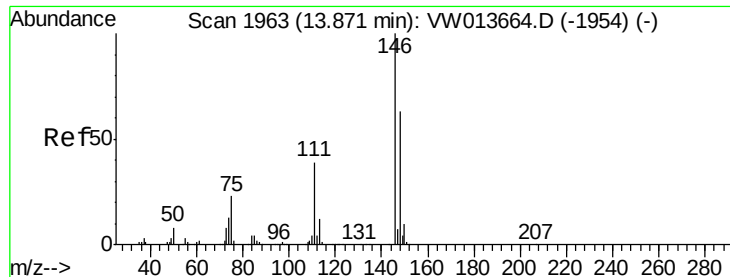
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#90
Hexachloroethane
Concen: 19.987 ug/l
RT: 14.09 min Scan# 1999
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	49847		
201	93.9		46.1	138.2





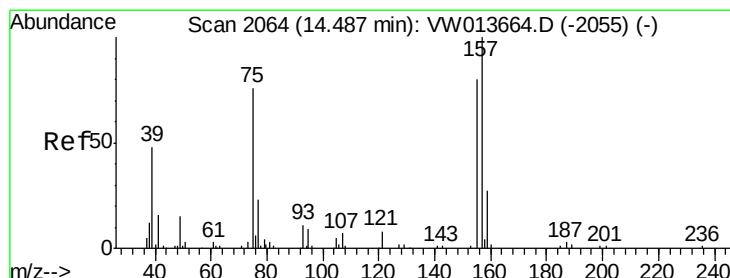
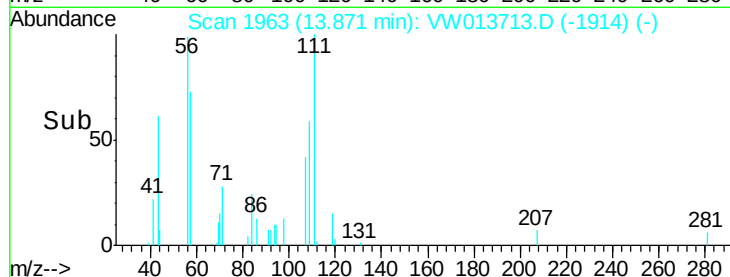
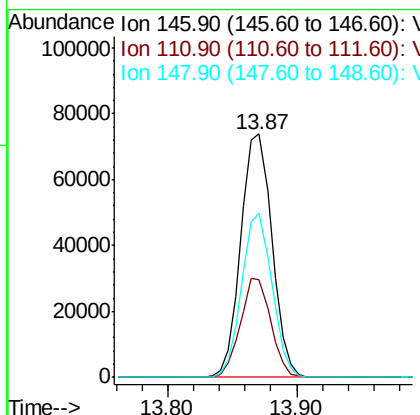
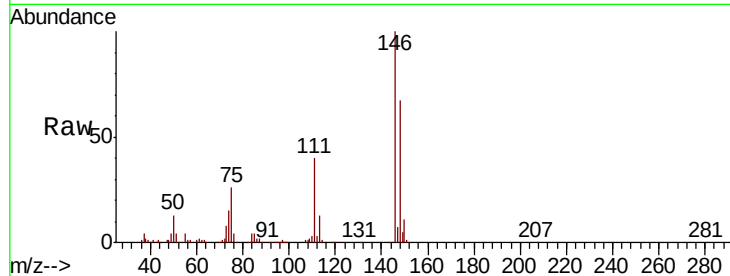
#91
 1,2-Dichlorobenzene
 Concen: 20.466 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. -0.00 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Instrument :
 MSVOA_W
 ClientSampleId :
 VW1024SBS01

Tot Ion:	146	Resp:	123471
Ion Ratio	Lower	Upper	
146	100		
111	39.5	19.9	59.6
148	65.4	31.9	95.9

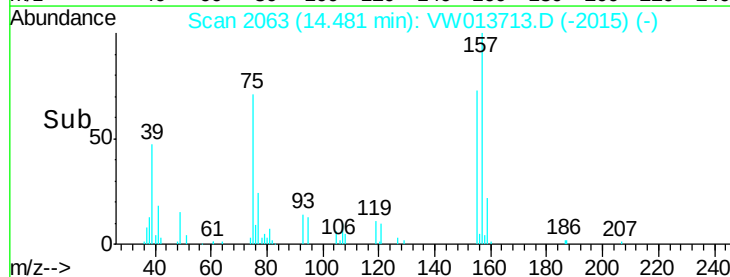
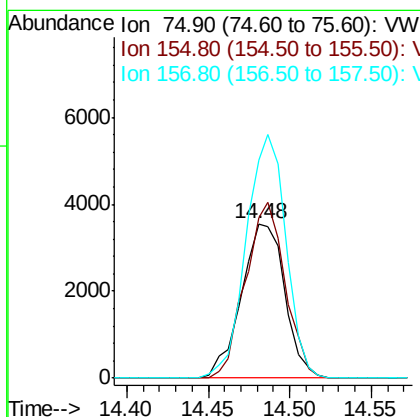
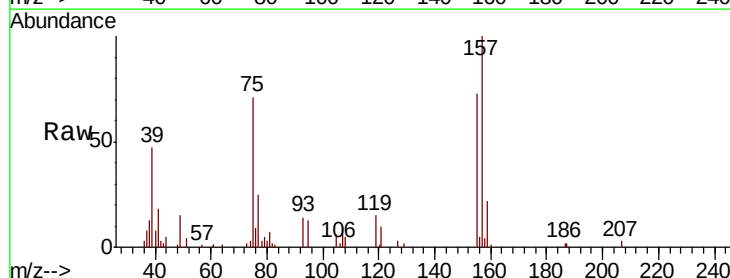
Manual Integrations
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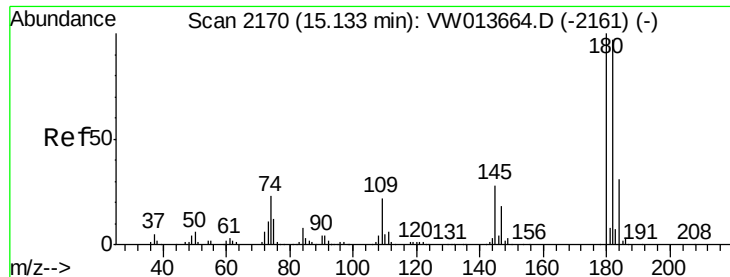
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.251 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW013713.D
 Acq: 24 Oct 2019 16:17

Tgt Ion:	75	Resp:	6547
Ion Ratio	Lower	Upper	
75	100		
155	104.2	51.9	155.7
157	144.4	64.8	194.3





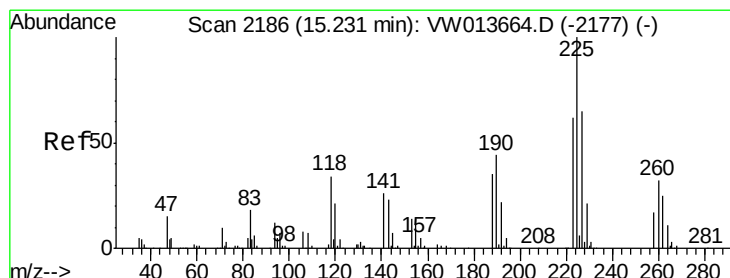
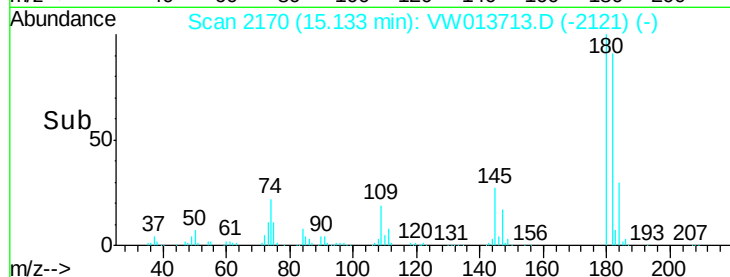
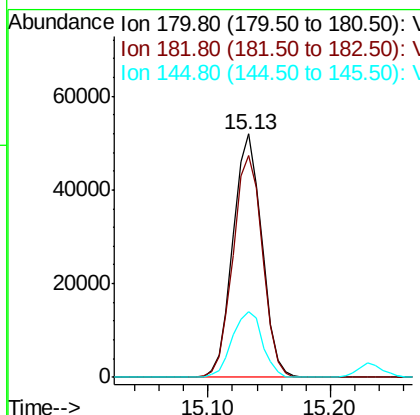
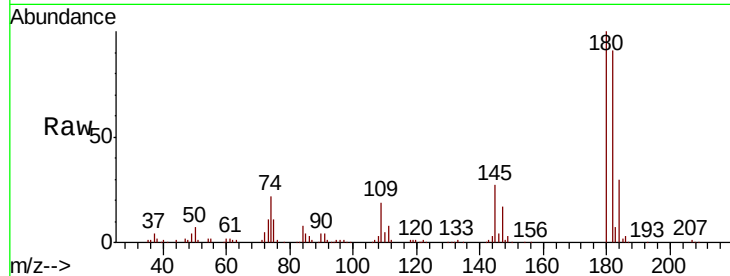
#93
1,2,4-Trichlorobenzene
Concen: 19.277 ug/l
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.4	142.2
145	28.2	14.1	42.3

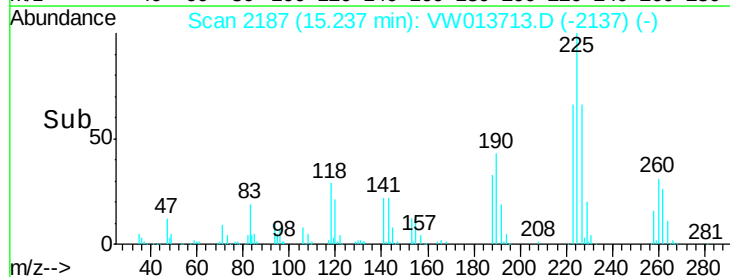
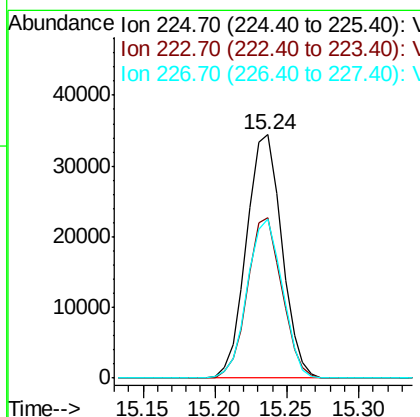
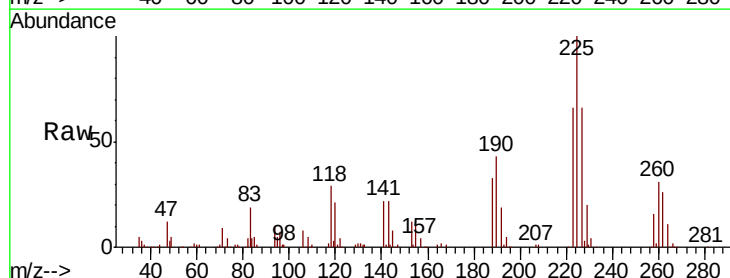
Manual Integrations
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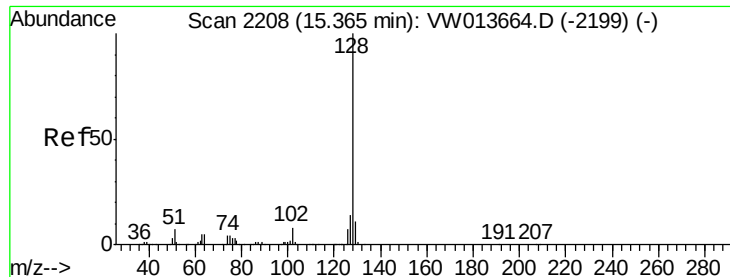
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#94
Hexachlorobutadiene
Concen: 19.718 ug/l
RT: 15.24 min Scan# 2187
Delta R.T. 0.01 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.1	31.9	95.9
227	64.7	32.5	97.4





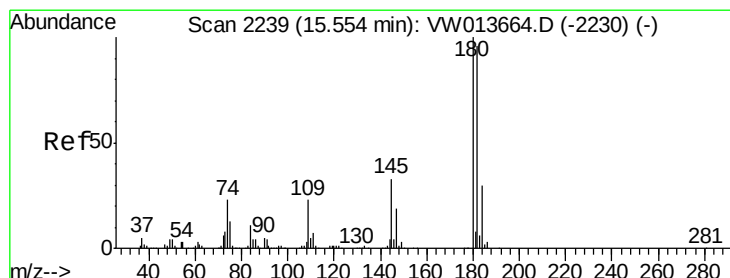
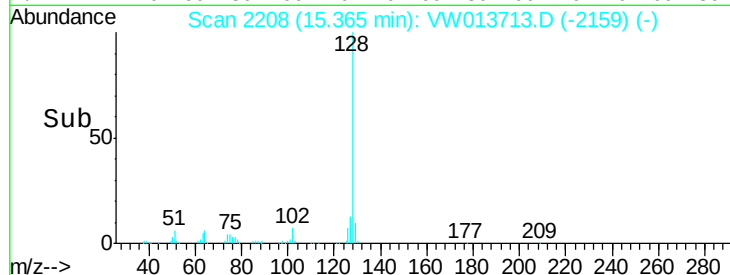
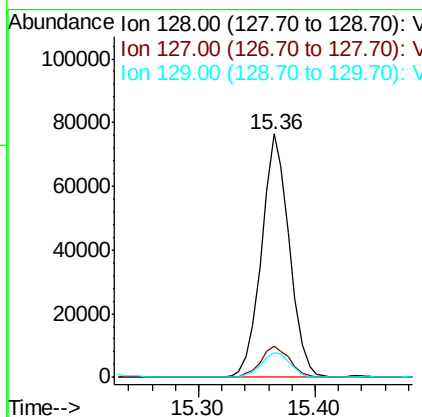
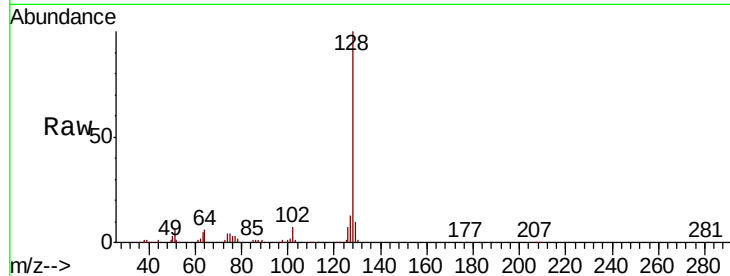
#95
Naphthalene
Concen: 18.441 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Instrument :
MSVOA_W
ClientSampleId :
VW1024SBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	10.8	8.7	13.1

Manual Integrations
APPROVED

MMDadoda
10/25/2019 4:47:27 PM



#96
1,2,3-Trichlorobenzene
Concen: 18.899 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VW013713.D
Acq: 24 Oct 2019 16:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	47.4	142.3
145	30.1	14.9	44.9

