

Data File : VW006892.D
Acq On : 15 Nov 2018 11:19
Operator : SY/AP
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
BFB82

Quant Time: Nov 16 04:49:22 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111418S.M
Quant Title : VOC Analysis
QLast Update : Thu Nov 15 03:38:37 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	176029	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	166915	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.57	152	79012	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	38150	24.41	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.64%
7) Chloroethane-d5	2.89	69	28205	24.84	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.36%
10) 1,1-Dichloroethene-d2	4.03	63	97890	23.45	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	93.80%
20) 2-Butanone-d5	7.09	46	35301	40.99	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.98%
24) Chloroform-d	7.65	84	88932	22.82	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	91.28%
26) 1,2-Dichloroethane-d4	8.31	65	52541	23.89	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.56%
29) Benzene-d6	8.28	84	193358	22.16	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	88.64%
33) 1,2-Dichloropropane-d6	9.28	67	58683	21.97	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	87.88%
37) Toluene-d8	10.33	98	199675	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	89.36%
38) trans-1,3-Dichloropropene-	10.58	79	26725	23.29	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.16%
39) 2-Hexanone-d5	10.93	63	28869	43.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	86.76%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	52535	22.73	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	90.92%
61) 1,2-Dichlorobenzene-d4	13.86	152	65969	22.05	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.00	85	60558	24.668	ug/L 100
3) Chloromethane	2.21	50	49235	25.695	ug/L 94
5) Vinyl chloride	2.36	62	48997	25.138	ug/L 97
6) Bromomethane	2.78	94	23972	27.356	ug/L 99
8) Chloroethane	2.93	64	26734	25.452	ug/L 97
9) Trichlorofluoromethane	3.27	101	88397	25.517	ug/L 97
11) 1,1,2-Trichloro-1,2,2-trif	4.07	101	57757	24.925	ug/L 99
12) 1,1-Dichloroethene	4.04	96	50032	24.879	ug/L 98
13) Acetone	4.14	43	24857	44.799	ug/L 98
14) Carbon disulfide	4.39	76	171385	23.674	ug/L 98
15) Methyl Acetate	4.68	43	32075	23.740	ug/L 98
16) Methylene chloride	4.92	84	63952	20.776	ug/L 91
17) Methyl tert-butyl Ether	5.43	73	142020	26.227	ug/L 99
18) trans-1,2-Dichloroethene	5.43	96	56349	24.543	ug/L 98
19) 1,1-Dichloroethane	6.22	63	94824	25.301	ug/L 99
21) 2-Butanone	7.18	43	42145	44.023	ug/L 98
22) cis-1,2-Dichloroethene	7.17	96	59844	25.527	ug/L 94

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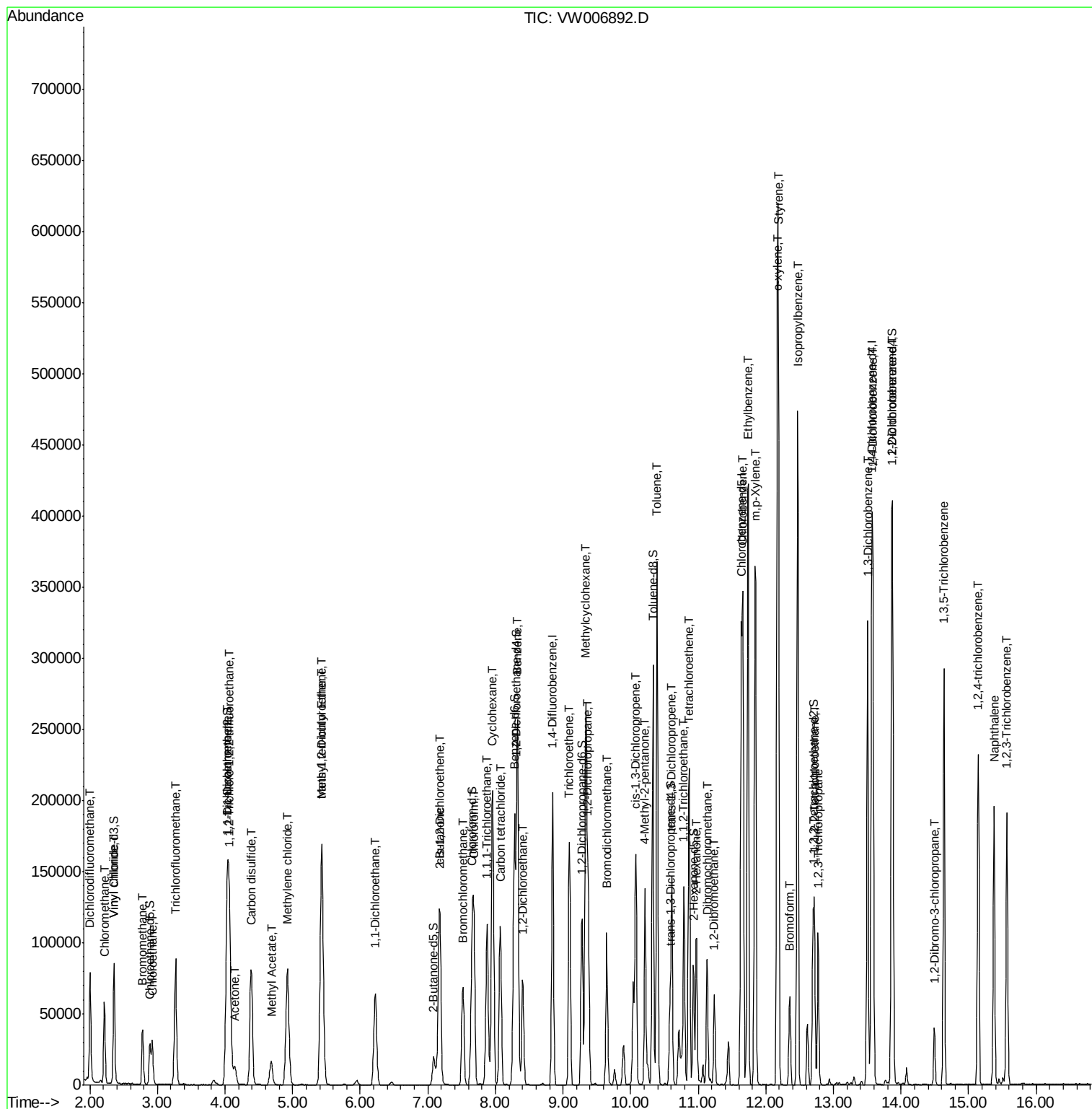
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	25606	26.797	ug/L	97
25) Chloroform	7.68	83	105974	24.455	ug/L	100
27) 1,2-Dichloroethane	8.40	62	68222	26.773	ug/L	97
30) Cyclohexane	7.96	56	103740	23.442	ug/L	99
31) 1,1,1-Trichloroethane	7.88	97	93640	25.209	ug/L	99
32) Carbon tetrachloride	8.07	117	82262	25.197	ug/L	99
34) Benzene	8.33	78	226313	24.244	ug/L	100
35) Trichloroethene	9.09	95	62225	24.474	ug/L	99
36) Methylcyclohexane	9.34	83	116410	23.820	ug/L	99
40) 1,2-Dichloropropane	9.37	63	57583	25.039	ug/L	99
41) Bromodichloromethane	9.65	83	73777	26.150	ug/L	95
42) cis-1,3-Dichloropropene	10.08	75	90764	26.140	ug/L	98
43) 4-Methyl-2-pentanone	10.21	43	89237	49.520	ug/L	100
44) Toluene	10.39	91	268754	25.145	ug/L	99
45) trans-1,3-Dichloropropene	10.61	75	78225	26.659	ug/L	98
46) 1,1,2-Trichloroethane	10.79	97	43807	24.880	ug/L	98
47) Tetrachloroethene	10.87	164	48593	24.996	ug/L	96
49) 2-Hexanone	10.97	43	67774	50.798	ug/L	98
50) Dibromochloromethane	11.13	129	49794	26.207	ug/L	98
51) 1,2-Dibromoethane	11.24	107	43482	25.965	ug/L	92
52) Chlorobenzene	11.66	112	171116	25.454	ug/L	99
53) Ethylbenzene	11.74	91	310686	24.424	ug/L	98
54) m,p-Xylene	11.84	106	119462	24.555	ug/L	97
55) o-xylene	12.17	106	110513	24.799	ug/L	97
56) Styrene	12.19	104	189694	25.679	ug/L	97
57) Isopropylbenzene	12.47	105	304203	24.383	ug/L	99
58) 1,1,2,2-Tetrachloroethane	12.72	83	57718	25.838	ug/L	96
59) 1,2,3-Trichloropropane	12.77	75	44617	25.646	ug/L	99
62) Bromoform	12.35	173	28000	28.239	ug/L	99
63) 1,3-Dichlorobenzene	13.51	146	130043	25.389	ug/L	96
64) 1,4-Dichlorobenzene	13.58	146	129978	25.421	ug/L	98
65) 1,2-Dichlorobenzene	13.88	146	119970	26.043	ug/L	98
66) 1,2-Dibromo-3-chloropropan	14.49	75	10827	25.353	ug/L	91
67) 1,3,5-Trichlorobenzene	14.63	180	87366	25.100	ug/L	99
68) 1,2,4-trichlorobenzene	15.14	180	71509	25.210	ug/L	99
69) Naphthalene	15.38	128	169247	24.891	ug/L	100
70) 1,2,3-Trichlorobenzene	15.57	180	64249	25.478	ug/L	99

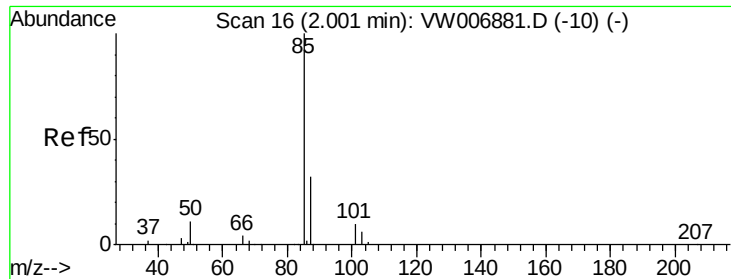
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 24.668 ug/L

RT: 2.00 min Scan# 16

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

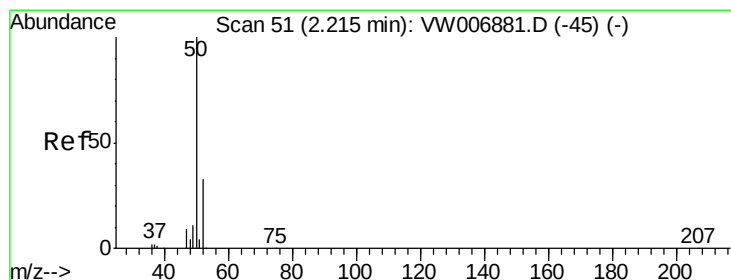
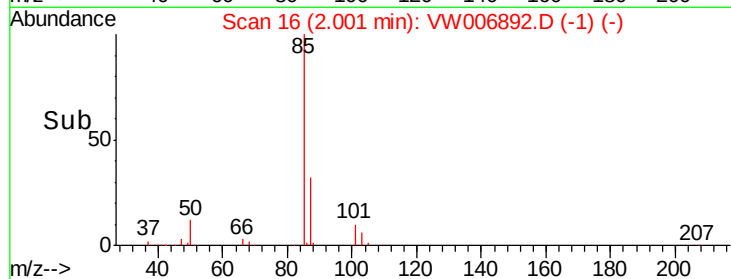
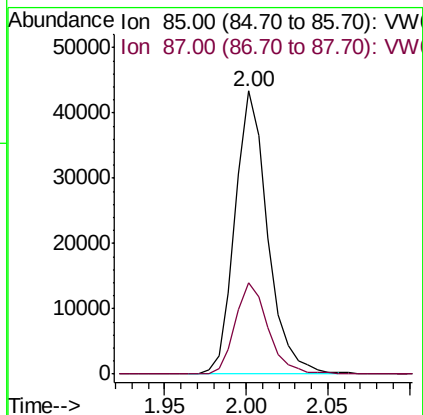
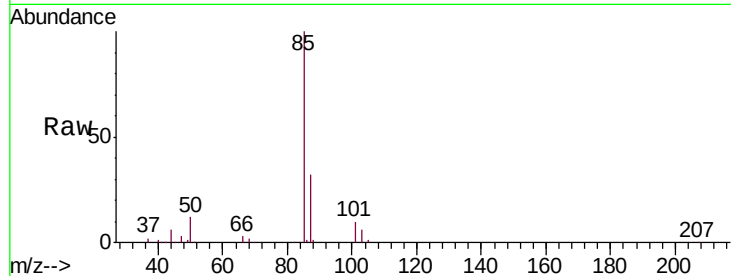
BFB82

Tgt Ion: 85 Resp: 60558

Ion Ratio Lower Upper

85 100

87 32.4 22.6 42.0



#3

Chloromethane

Concen: 25.695 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW006892.D

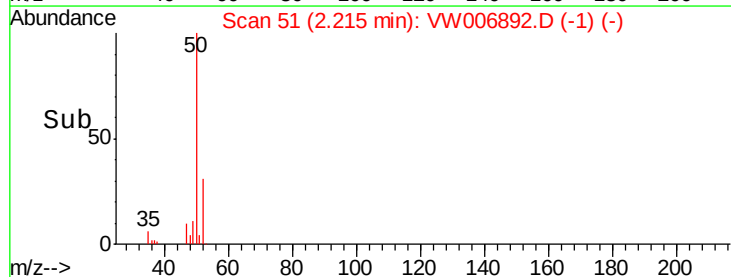
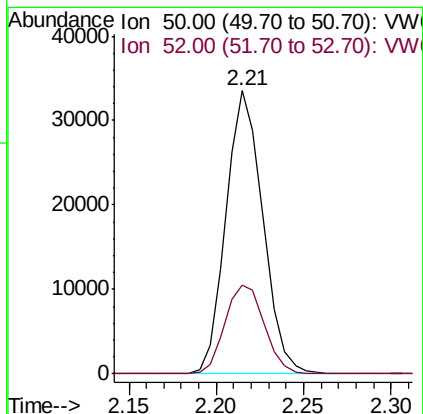
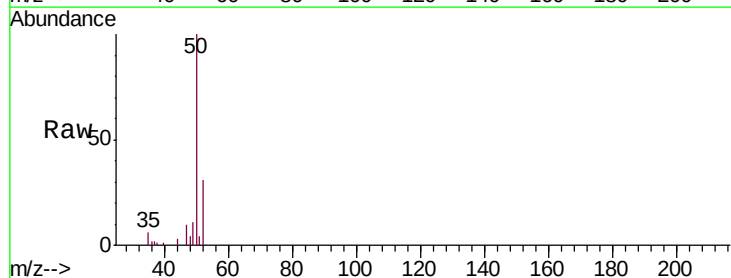
Acq: 15 Nov 2018 11:19

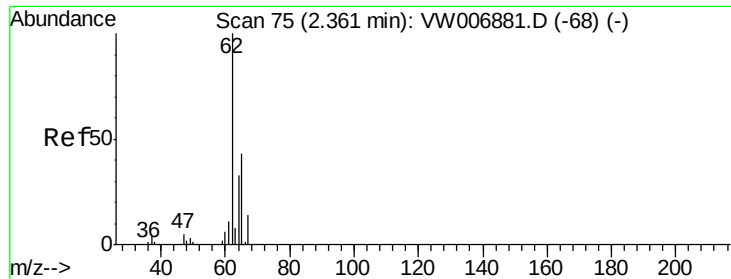
Tgt Ion: 50 Resp: 49235

Ion Ratio Lower Upper

50 100

52 31.5 24.4 45.4





#5

Vinyl chloride

Concen: 25.138 ug/L

RT: 2.36 min Scan# 75

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

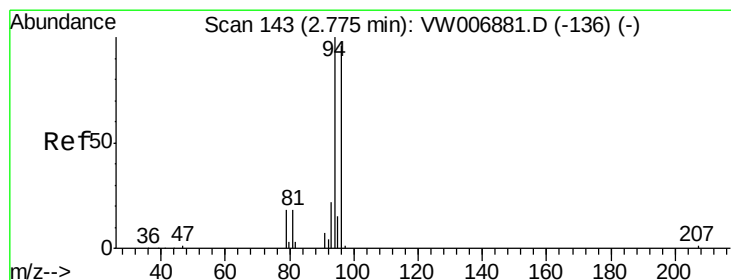
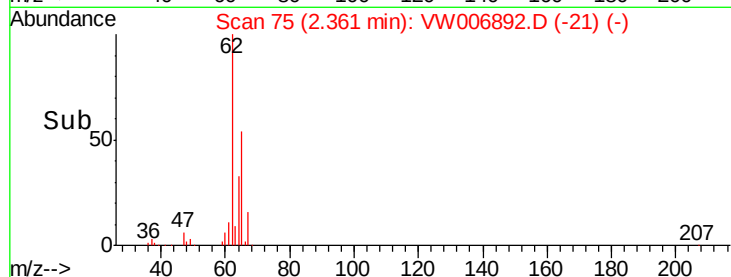
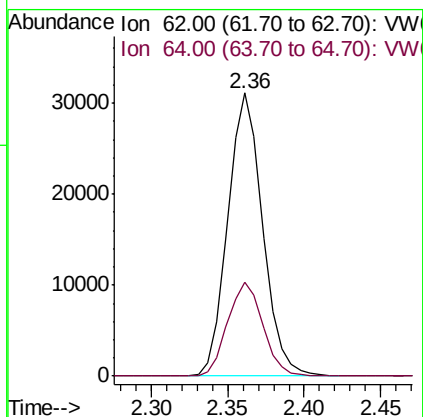
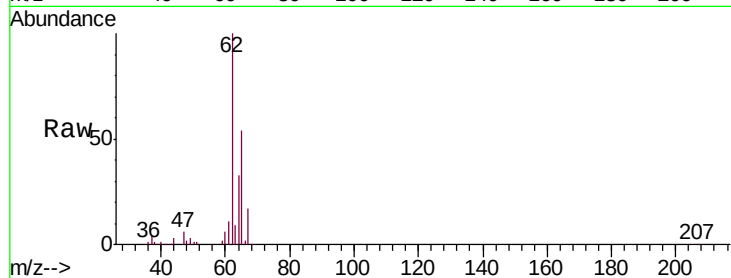
BFB82

Tgt Ion: 62 Resp: 48997

Ion Ratio Lower Upper

62 100

64 33.0 21.9 40.7



#6

Bromomethane

Concen: 27.356 ug/L

RT: 2.78 min Scan# 144

Delta R.T. 0.01 min

Lab File: VW006892.D

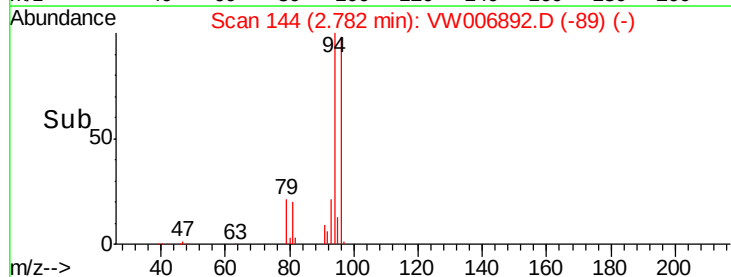
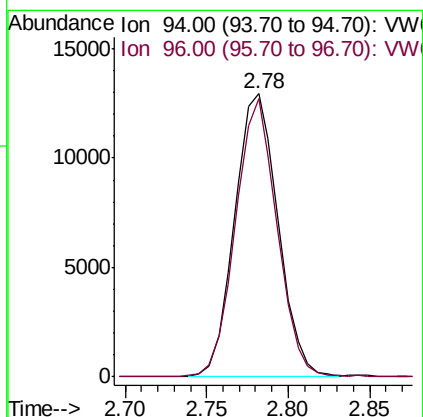
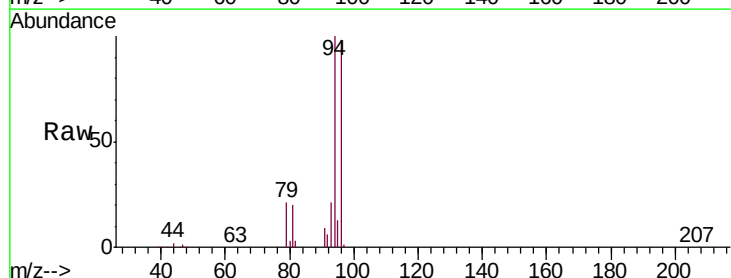
Acq: 15 Nov 2018 11:19

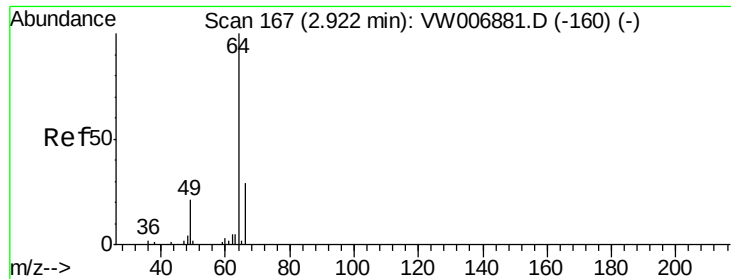
Tgt Ion: 94 Resp: 23972

Ion Ratio Lower Upper

94 100

96 94.0 9.4 179.5





#8

Chloroethane

Concen: 25.452 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

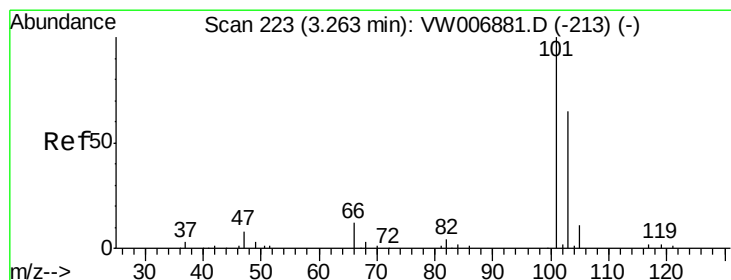
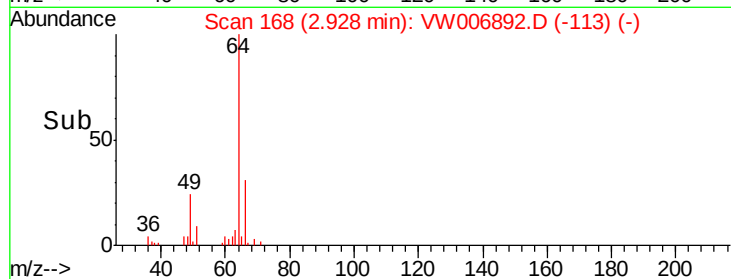
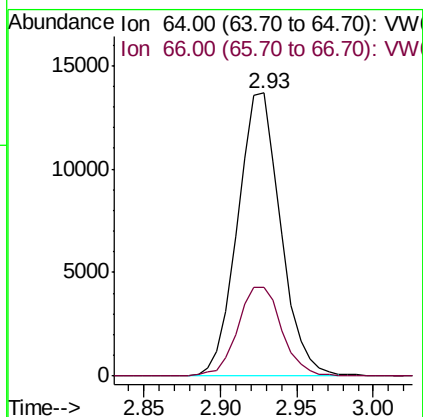
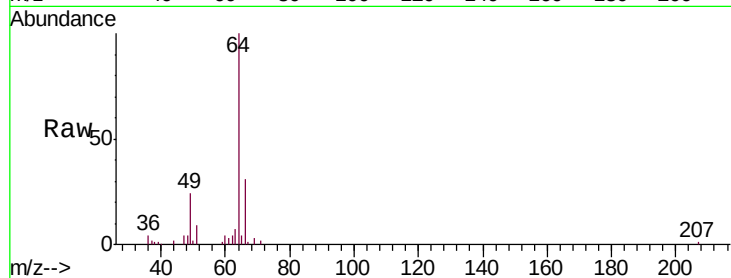
BFB82

Tgt Ion: 64 Resp: 26734

Ion Ratio Lower Upper

64 100

66 31.4 20.8 38.6



#9

Trichlorofluoromethane

Concen: 25.517 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.01 min

Lab File: VW006892.D

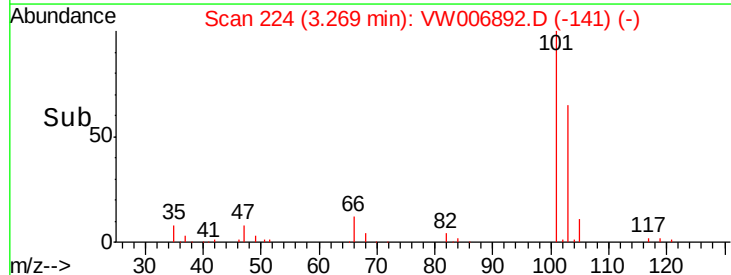
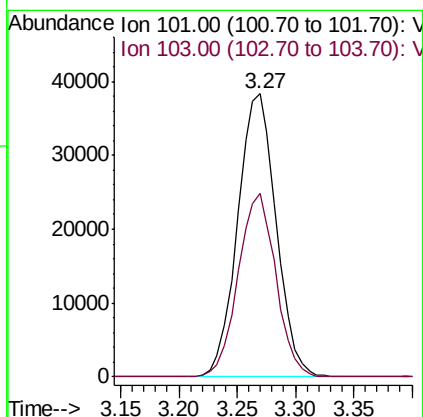
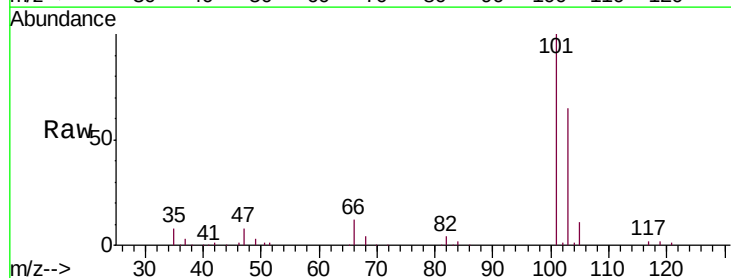
Acq: 15 Nov 2018 11:19

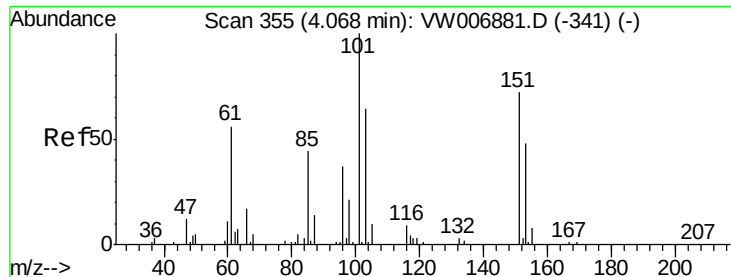
Tgt Ion: 101 Resp: 88397

Ion Ratio Lower Upper

101 100

103 63.6 46.1 85.5





#11

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 24.925 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

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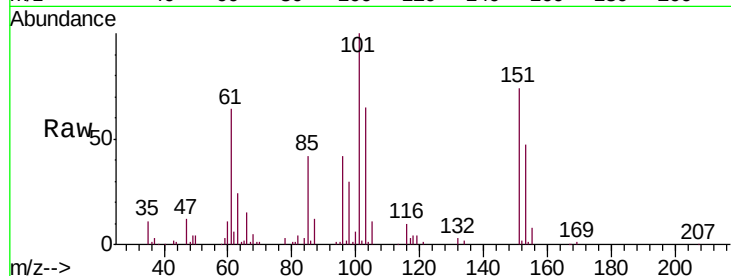
Tgt Ion: 101 Resp: 57757

Ion Ratio Lower Upper

101 100

85 42.5 33.8 50.8

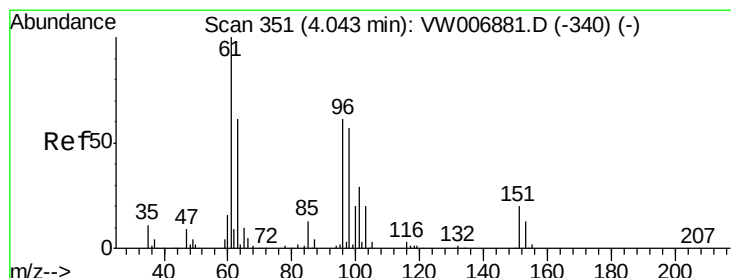
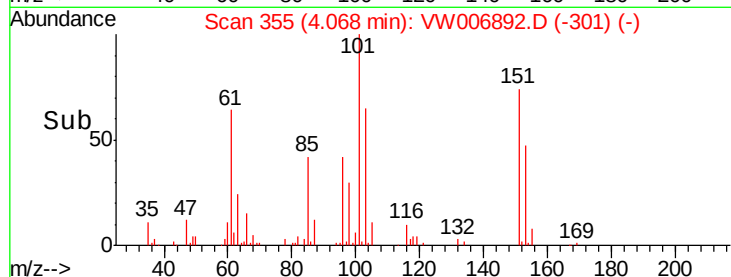
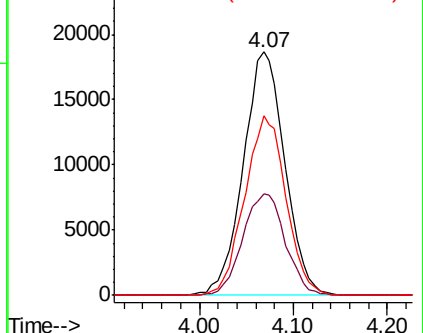
151 73.0 57.5 86.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VW

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 24.879 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

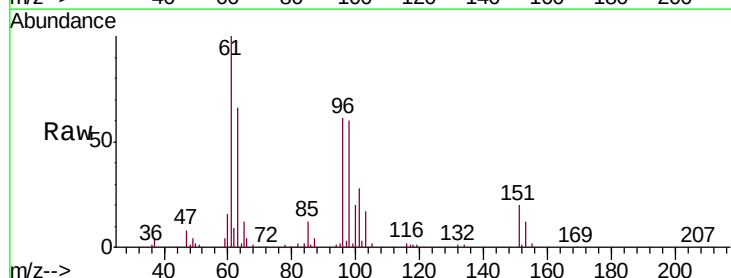
Tgt Ion: 96 Resp: 50032

Ion Ratio Lower Upper

96 100

61 164.9 116.3 215.9

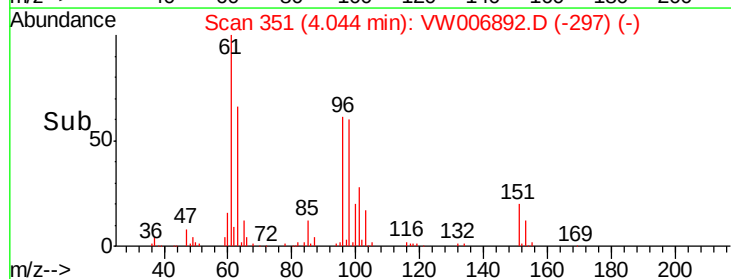
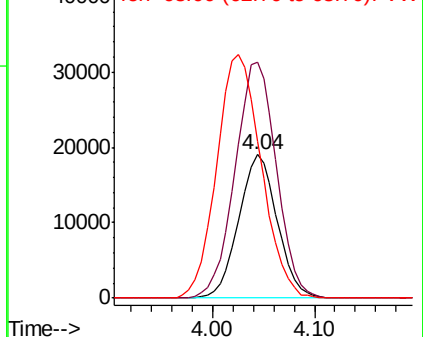
63 108.9 73.4 136.4

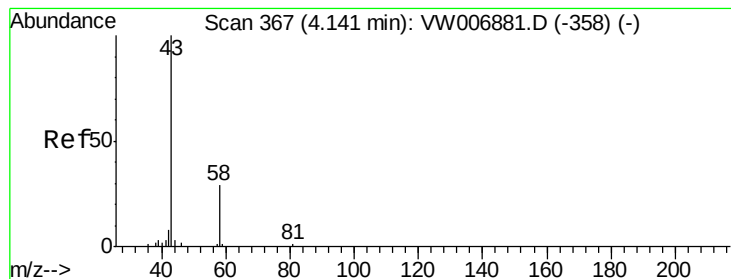


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 44.799 ug/L

RT: 4.14 min Scan# 367

Delta R.T. 0.00 min

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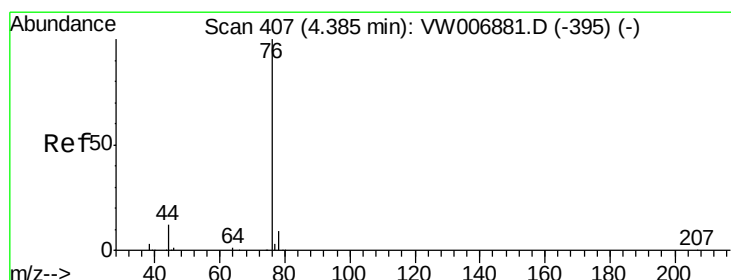
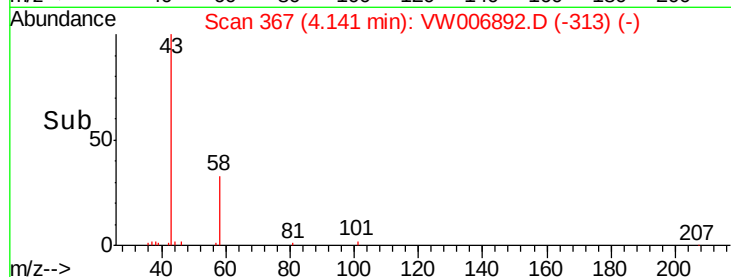
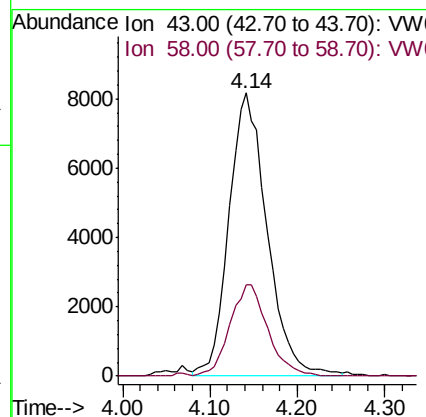
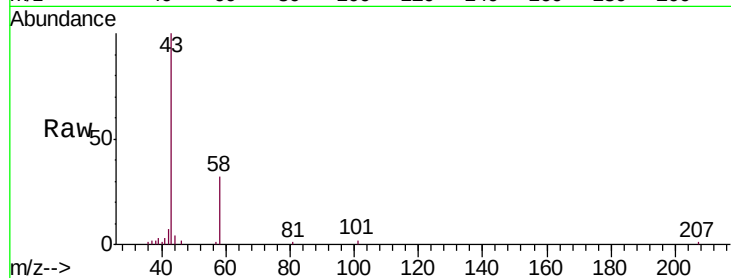
BFB82

Tgt Ion: 43 Resp: 24857

Ion Ratio Lower Upper

43 100

58 31.8 0.0 65.6



#14

Carbon disulfide

Concen: 23.674 ug/L

RT: 4.39 min Scan# 407

Delta R.T. 0.00 min

Lab File: VW006892.D

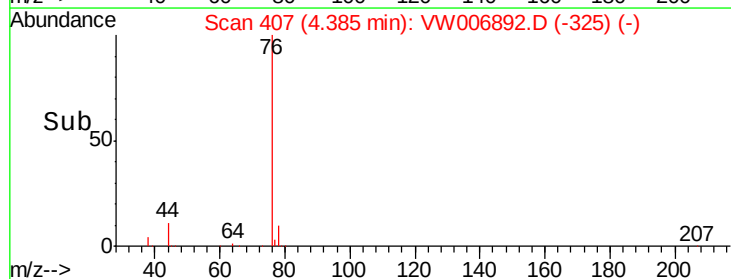
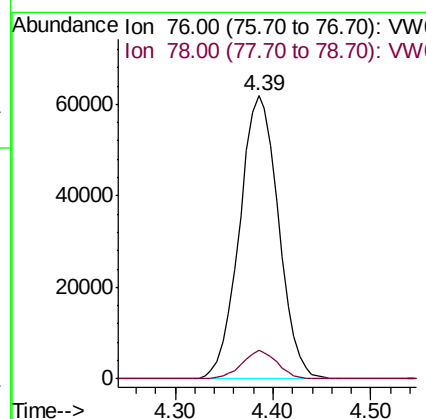
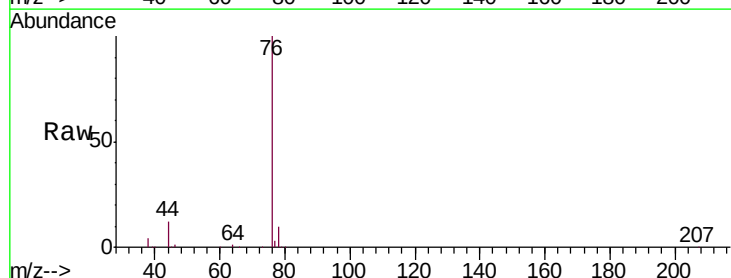
Acq: 15 Nov 2018 11:19

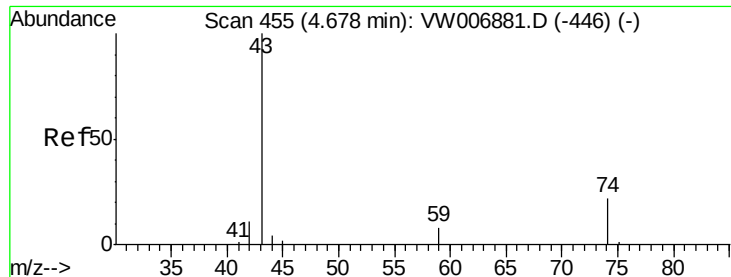
Tgt Ion: 76 Resp: 171385

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.2





#15

Methyl Acetate

Concen: 23.740 ug/L

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

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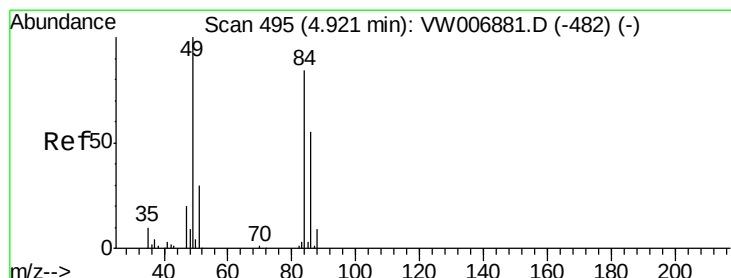
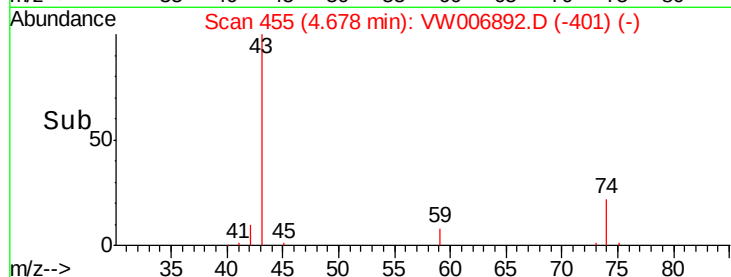
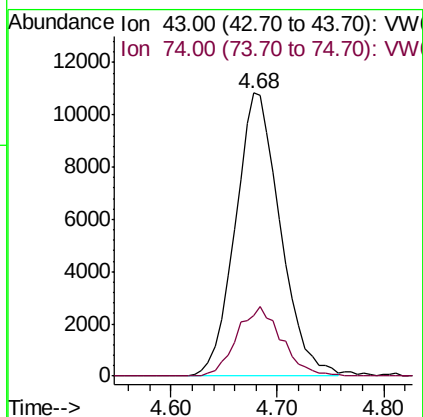
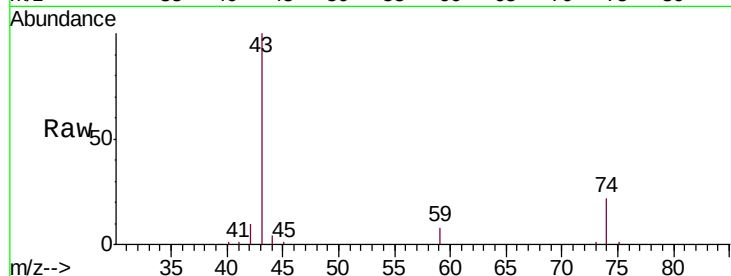
BFB82

Tgt Ion: 43 Resp: 32075

Ion Ratio Lower Upper

43 100

74 24.4 18.8 28.2



#16

Methylene chloride

Concen: 20.776 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

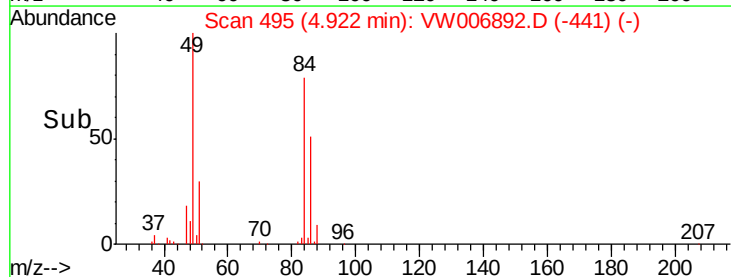
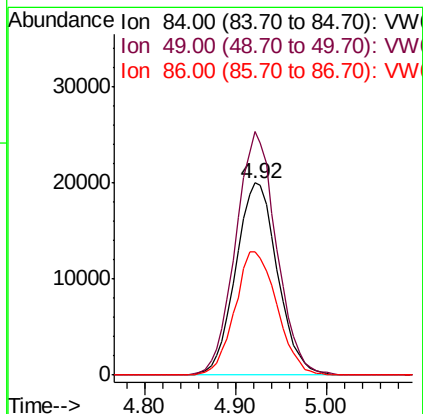
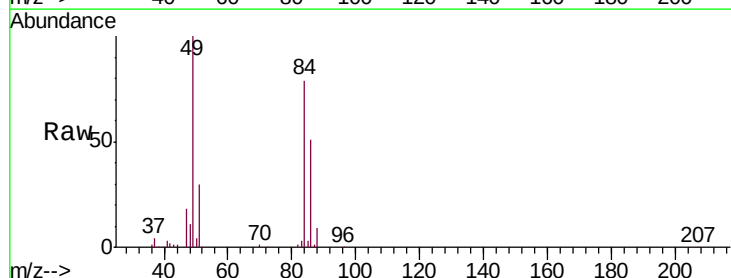
Tgt Ion: 84 Resp: 63952

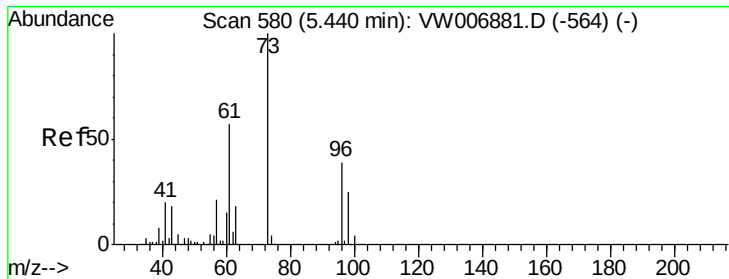
Ion Ratio Lower Upper

84 100

49 126.6 79.3 147.3

86 64.3 43.5 80.9

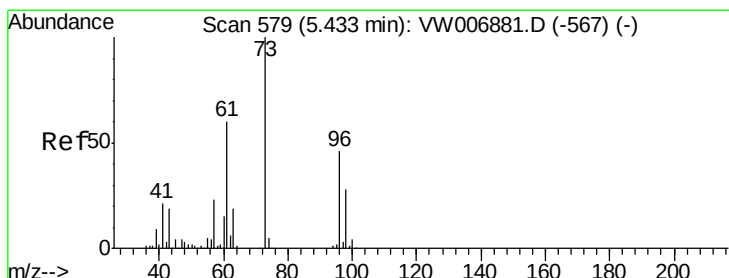
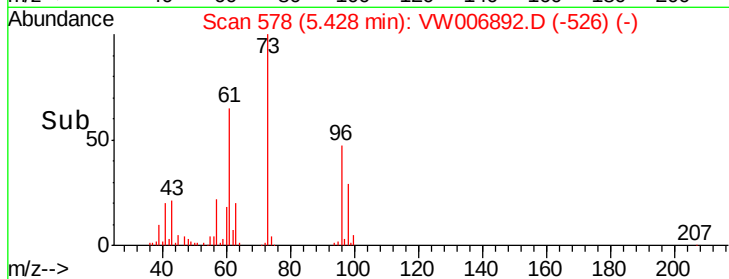
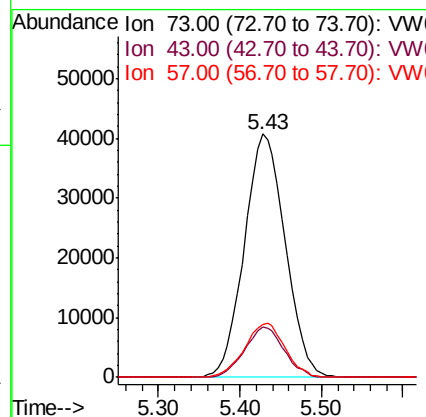
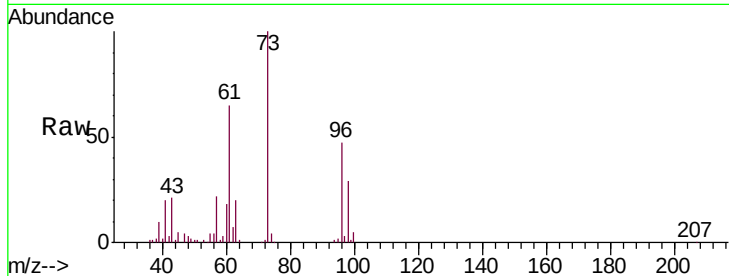




#17
Methyl tert-butyl Ether
Concen: 26.227 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

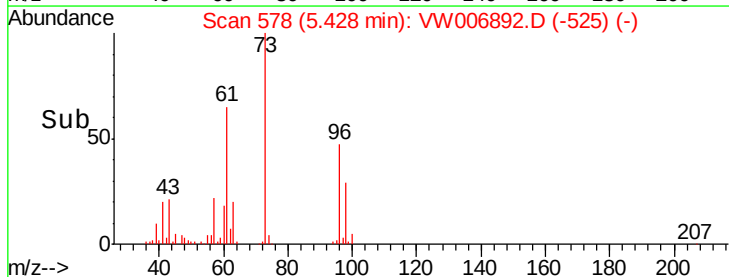
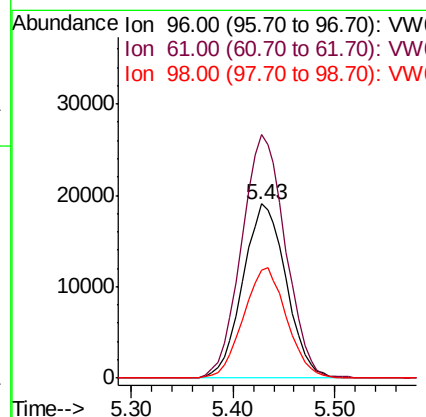
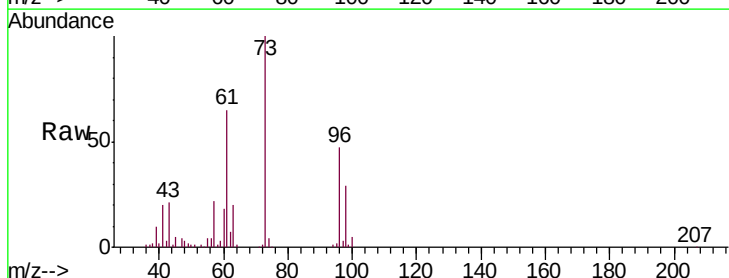
Instrument :
MSVOA_W
ClientSampled :
BFB82

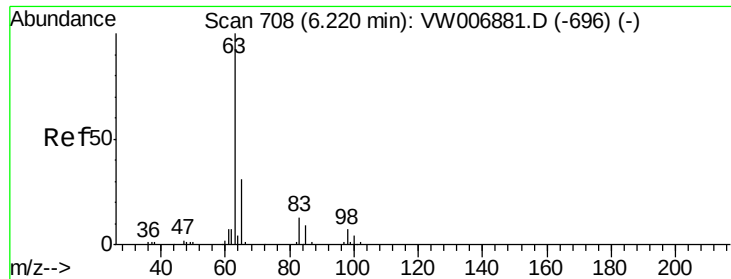
Tgt Ion: 73 Resp: 142020
Ion Ratio Lower Upper
73 100
43 20.1 15.6 23.4
57 22.0 17.8 26.8



#18
trans-1,2-Dichloroethene
Concen: 24.543 ug/L
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Tgt Ion: 96 Resp: 56349
Ion Ratio Lower Upper
96 100
61 139.7 99.6 185.0
98 62.1 44.7 82.9

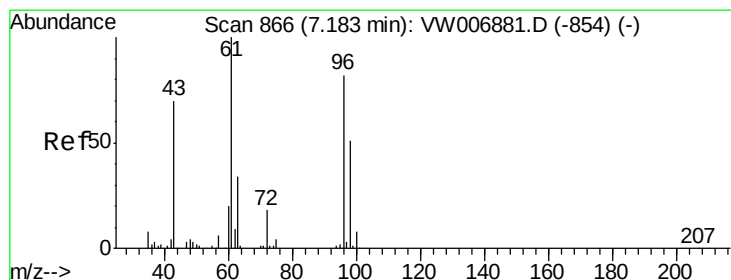
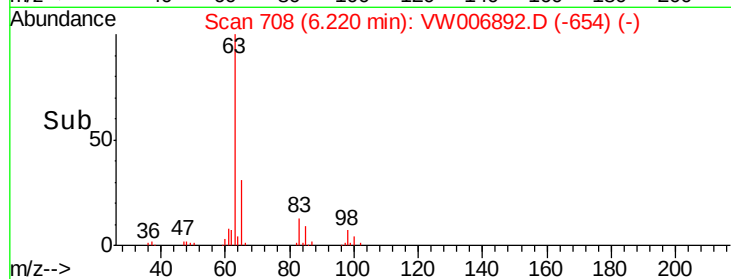
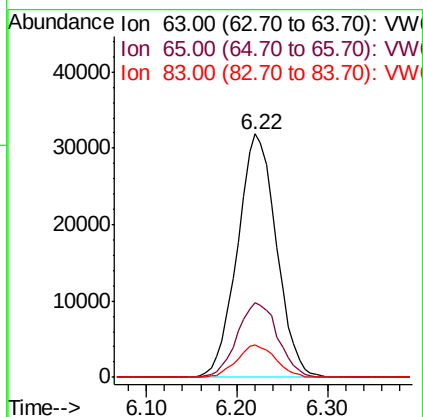
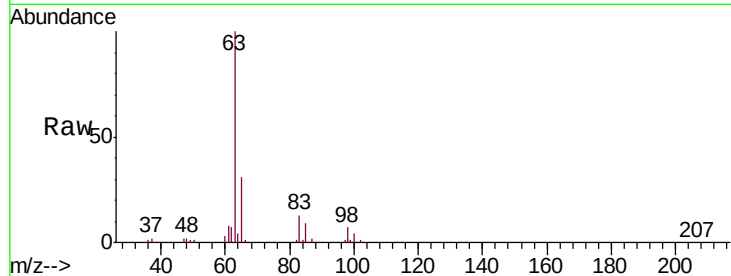




#19
 1,1-Dichloroethane
 Concen: 25.301 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

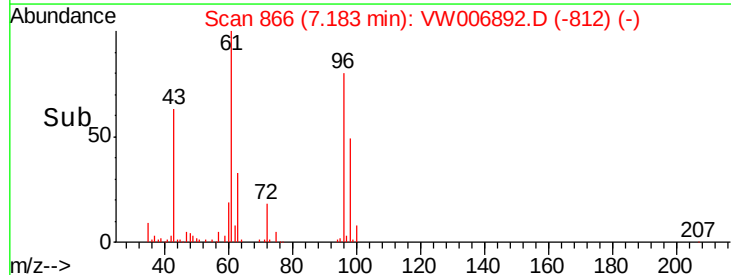
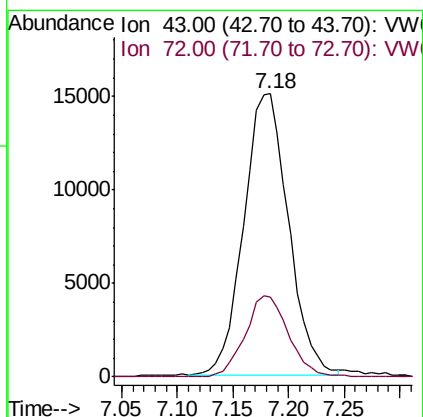
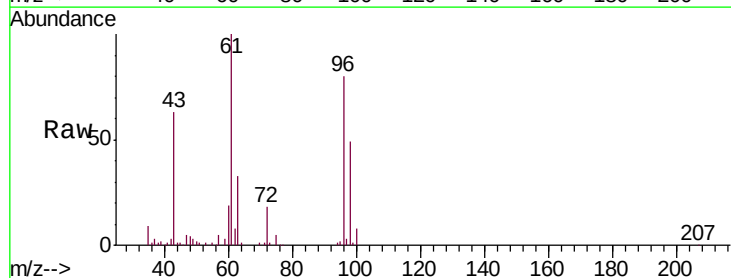
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

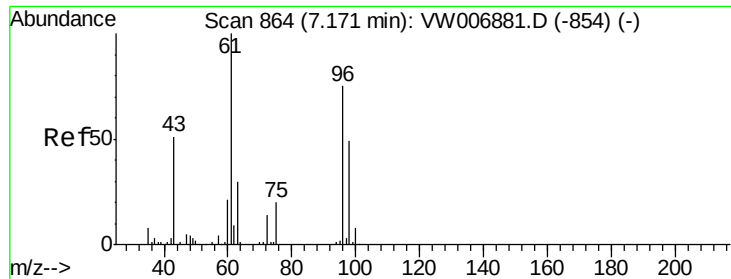
Tgt Ion: 63 Resp: 94824
 Ion Ratio Lower Upper
 63 100
 65 30.9 22.0 41.0
 83 13.2 9.5 17.7



#21
 2-Butanone
 Concen: 44.023 ug/L
 RT: 7.18 min Scan# 866
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion: 43 Resp: 42145
 Ion Ratio Lower Upper
 43 100
 72 27.9 13.5 40.5



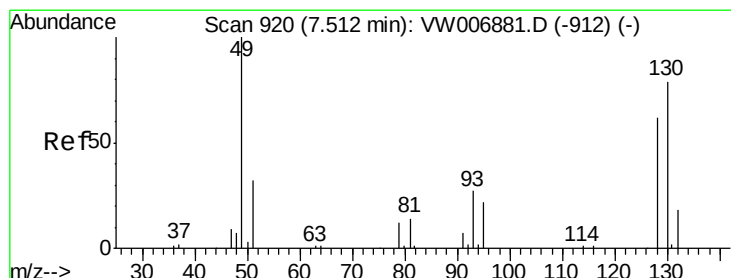
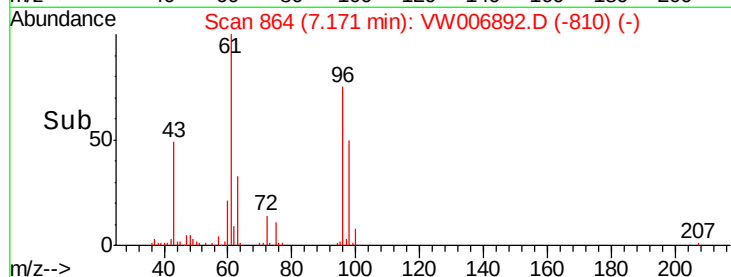
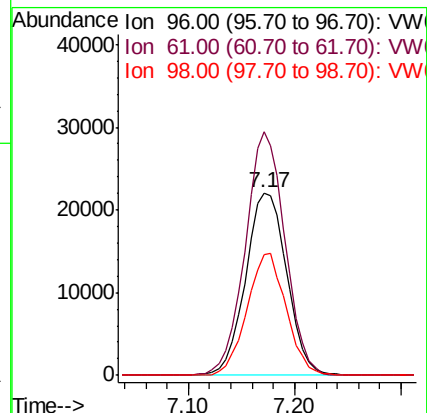
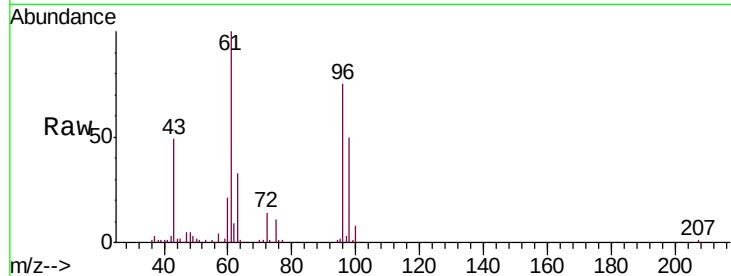


#22

cis-1,2-Dichloroethene
Concen: 25.527 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Instrument :
MSVOA_W
ClientSampleId :
BFB82

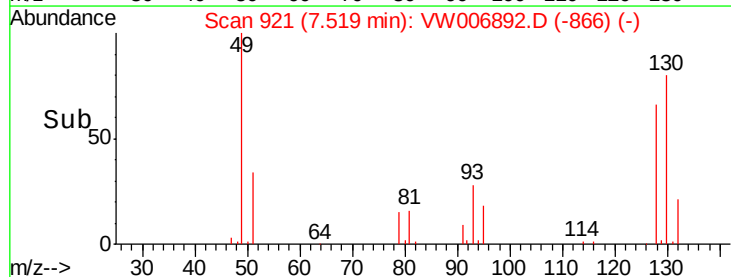
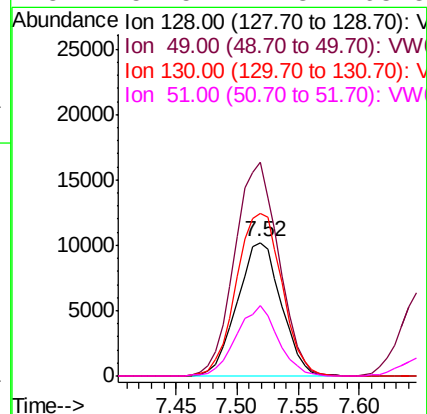
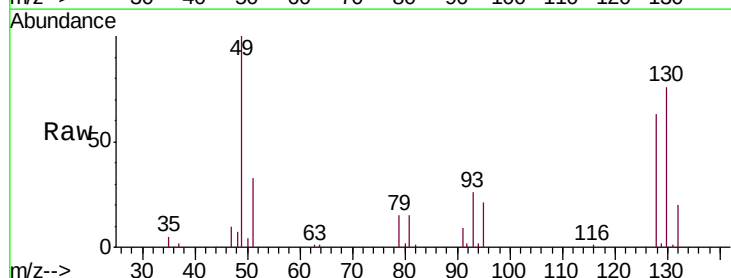
Tgt Ion: 96 Resp: 59844
Ion Ratio Lower Upper
96 100
61 133.2 88.1 163.7
98 66.2 43.1 80.1

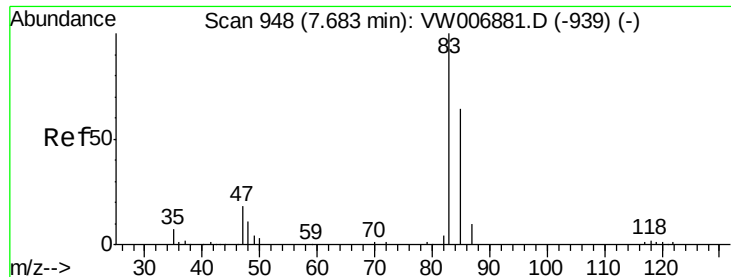


#23

Bromochloromethane
Concen: 26.797 ug/L
RT: 7.52 min Scan# 921
Delta R.T. 0.01 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Tgt Ion: 128 Resp: 25606
Ion Ratio Lower Upper
128 100
49 159.9 114.0 211.8
130 121.6 89.7 166.7
51 52.5 42.3 63.5

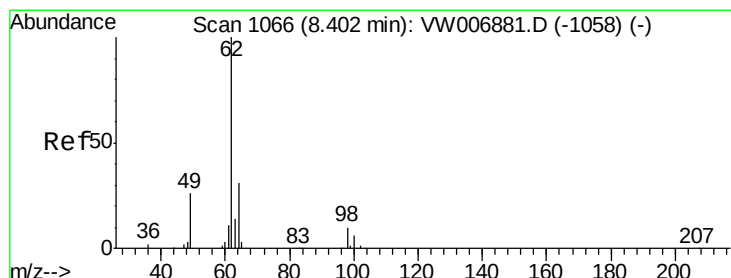
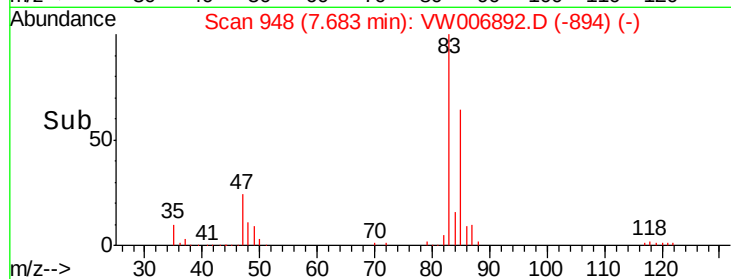
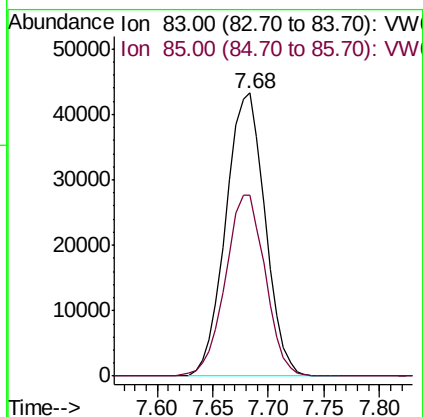
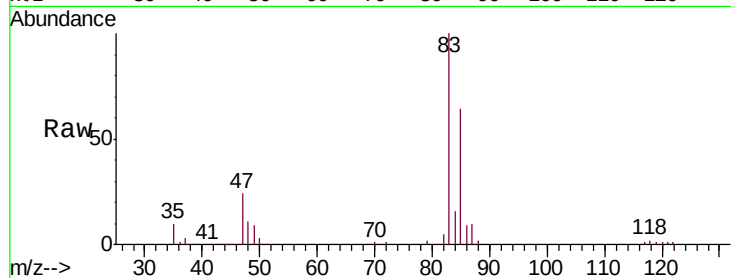




#25
Chloroform
Concen: 24.455 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

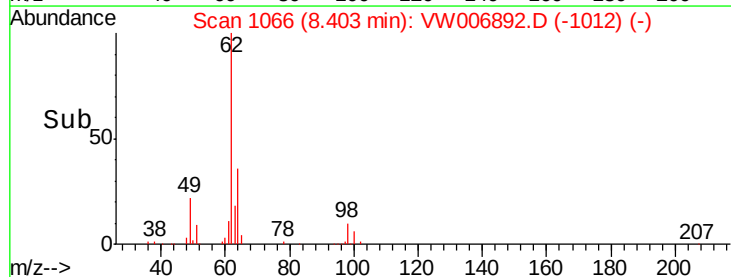
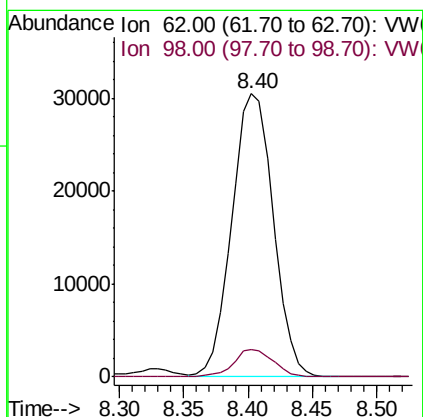
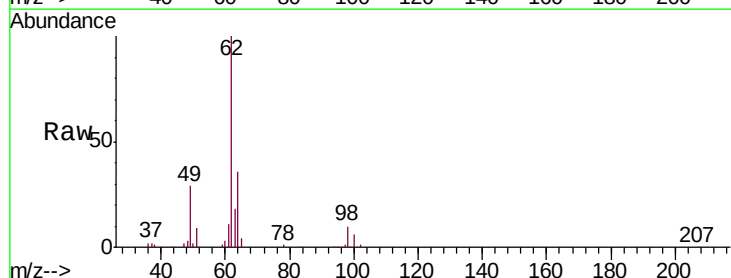
Instrument :
MSVOA_W
ClientSampleId :
BFB82

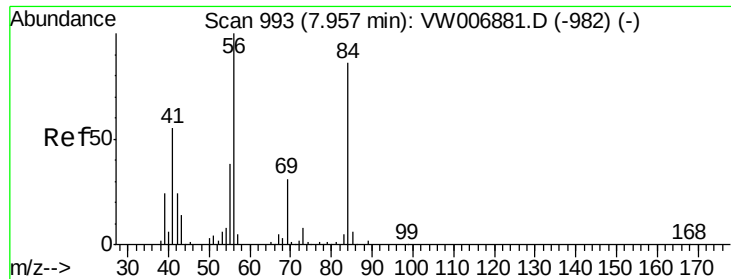
Tgt Ion: 83 Resp: 105974
Ion Ratio Lower Upper
83 100
85 65.0 45.4 84.2



#27
1,2-Dichloroethane
Concen: 26.773 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Tgt Ion: 62 Resp: 68222
Ion Ratio Lower Upper
62 100
98 9.8 7.0 10.4

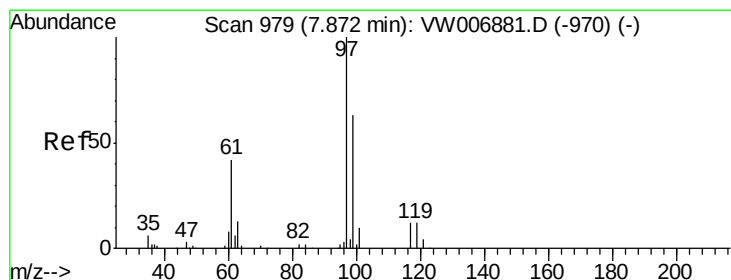
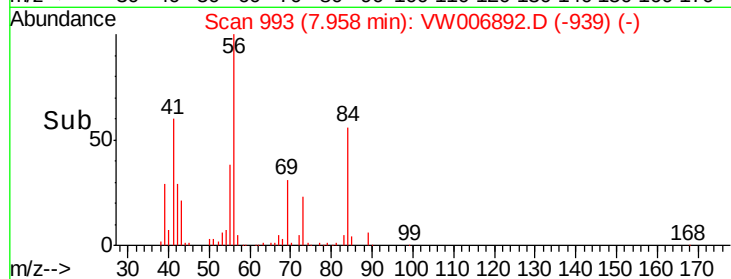
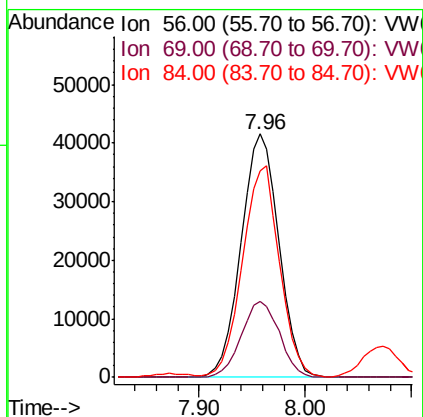
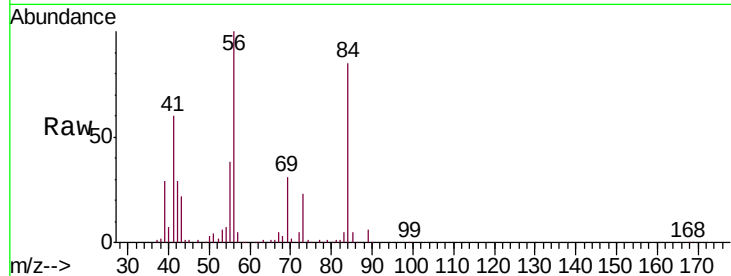




#30
Cyclohexane
Concen: 23.442 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

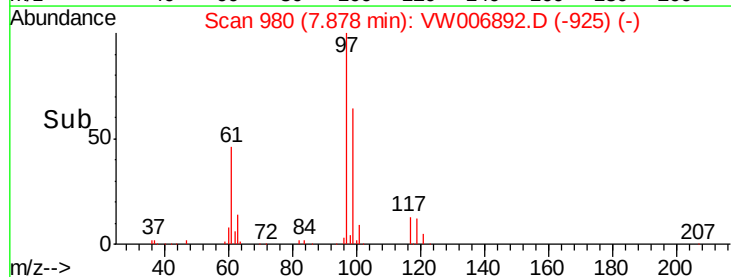
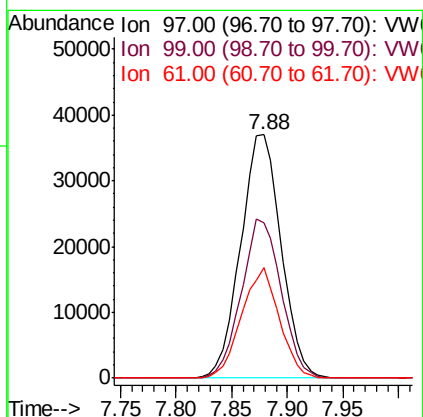
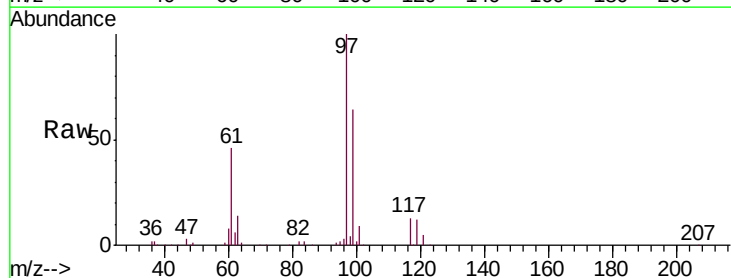
Instrument :
MSVOA_W
ClientSampled :
BFB82

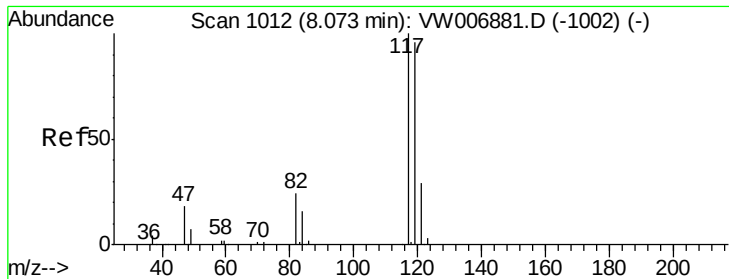
Tgt Ion: 56 Resp: 103740
Ion Ratio Lower Upper
56 100
69 31.4 25.1 37.7
84 85.2 68.7 103.1



#31
1,1,1-Trichloroethane
Concen: 25.209 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.01 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Tgt Ion: 97 Resp: 93640
Ion Ratio Lower Upper
97 100
99 64.4 52.2 78.2
61 42.5 34.5 51.7





#32

Carbon tetrachloride

Concen: 25.197 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

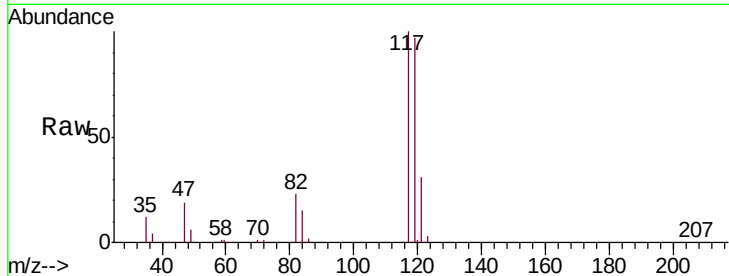
BFB82

Tgt Ion:117 Resp: 82262

Ion Ratio Lower Upper

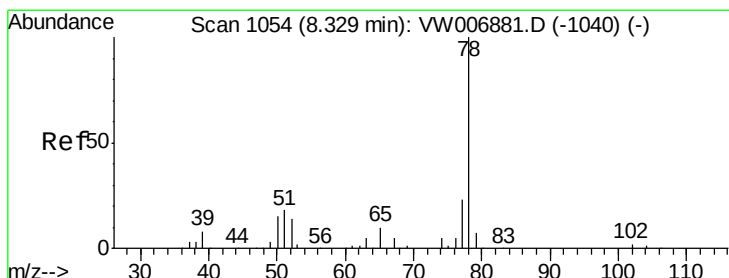
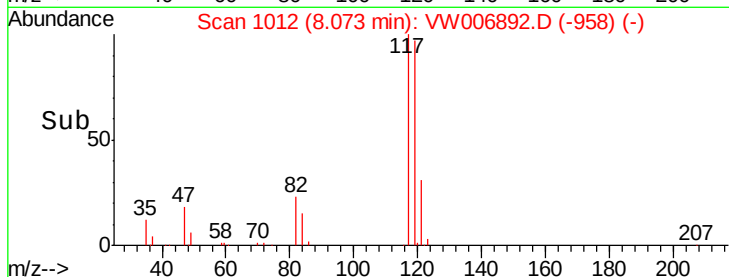
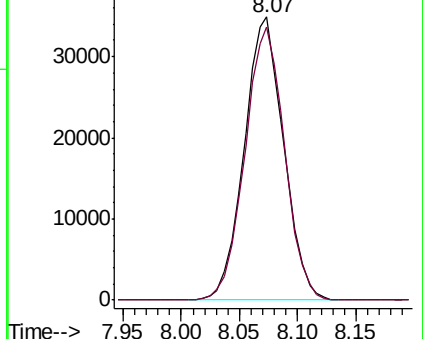
117 100

119 96.9 76.8 115.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.244 ug/L

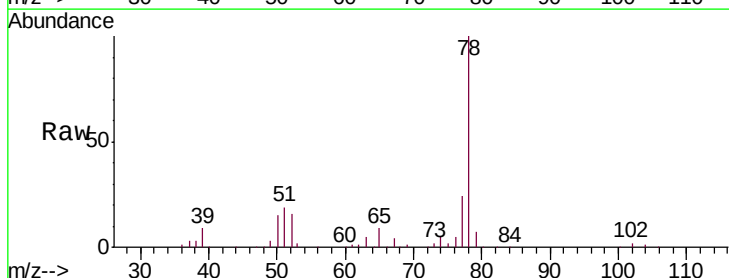
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

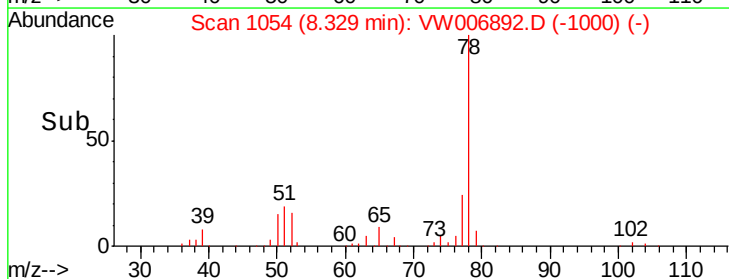
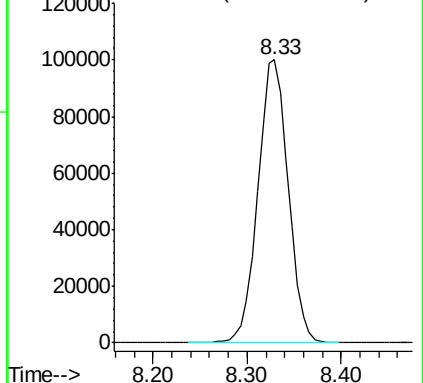
Lab File: VW006892.D

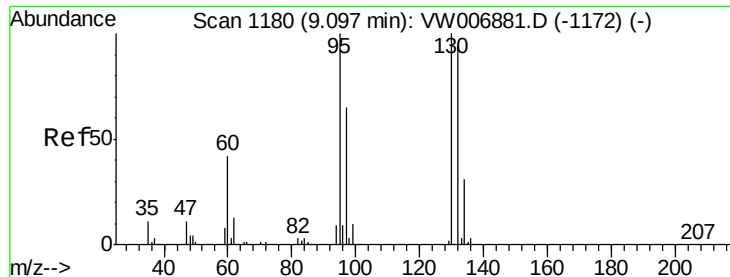
Acq: 15 Nov 2018 11:19

Tgt Ion: 78 Resp: 226313



Abundance Ion 78.00 (77.70 to 78.70): VW

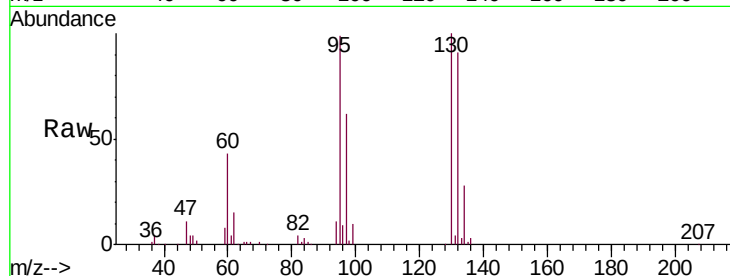




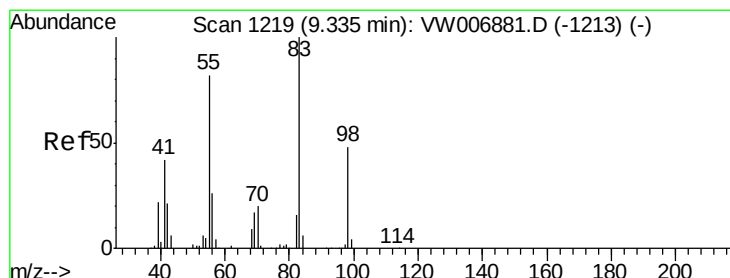
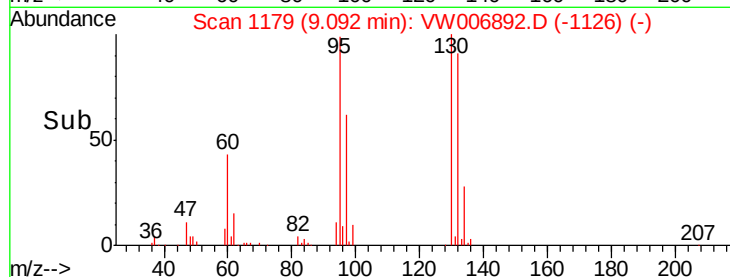
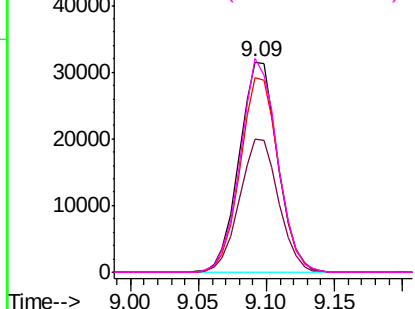
#35
 Trichloroethene
 Concen: 24.474 ug/L
 RT: 9.09 min Scan# 1179
 Delta R.T. -0.01 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

Tgt Ion:	95	Resp:	62225
Ion	Ratio	Lower	Upper
95	100		
97	64.2	45.1	83.9
132	92.7	65.7	121.9
130	98.0	68.7	127.7

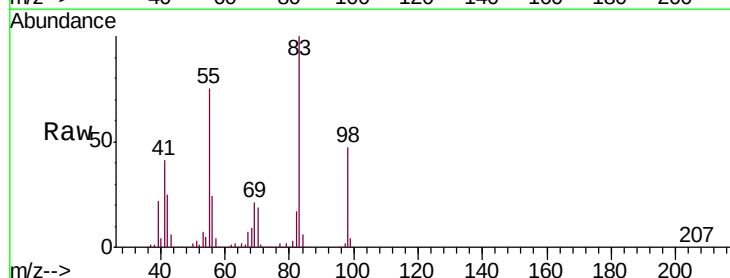


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

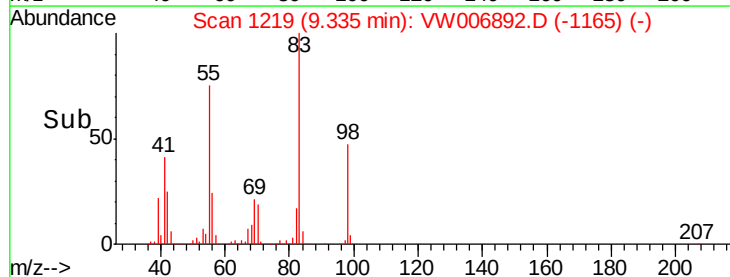
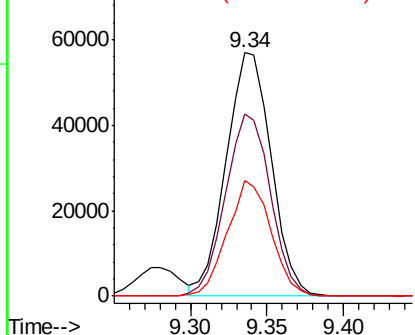


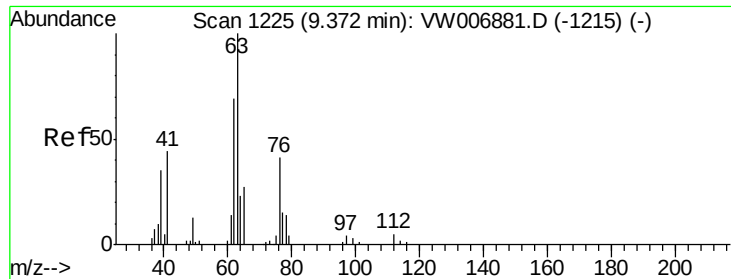
#36
 Methylcyclohexane
 Concen: 23.820 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion:	83	Resp:	116410
Ion	Ratio	Lower	Upper
83	100		
55	74.6	60.2	90.2
98	46.1	36.5	54.7



Abundance Ion 83.00 (82.70 to 83.70): VW
 Ion 55.00 (54.70 to 55.70): VW
 Ion 98.00 (97.70 to 98.70): VW

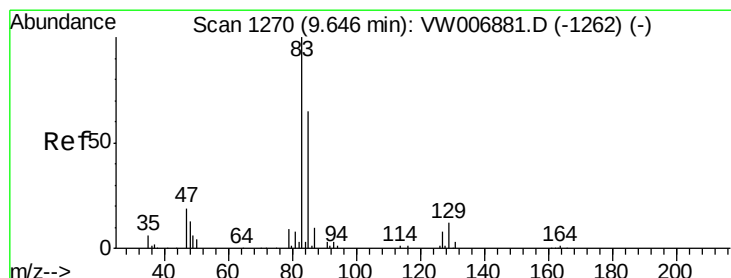
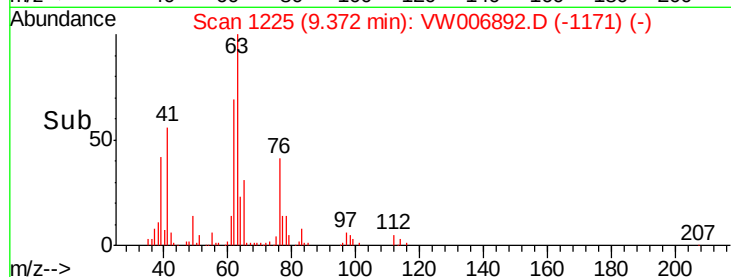
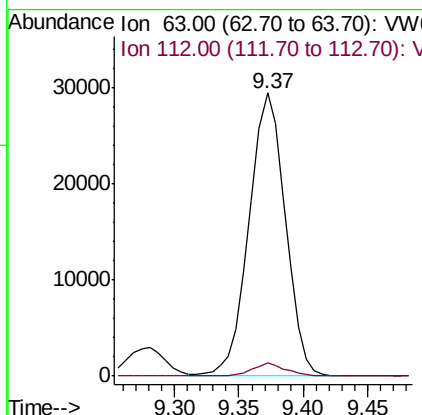
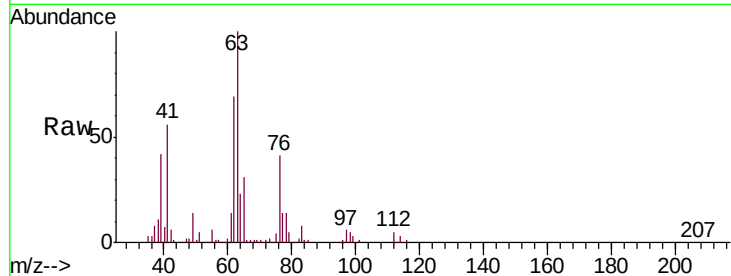




#40
 1,2-Dichloropropane
 Concen: 25.039 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

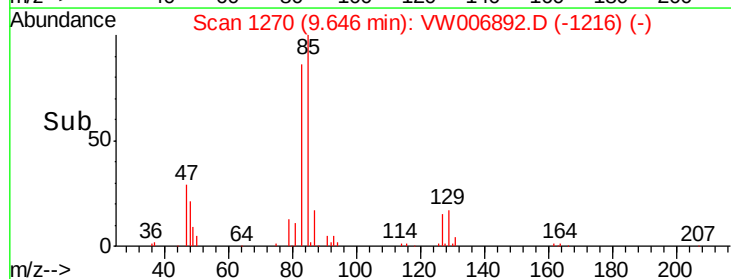
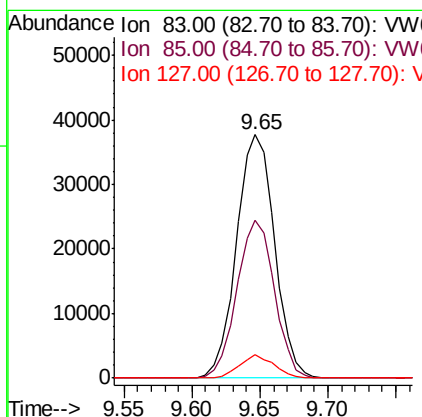
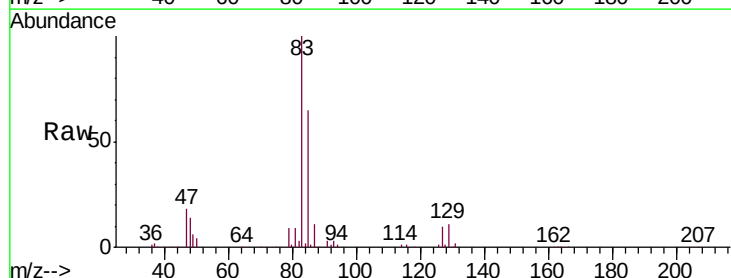
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

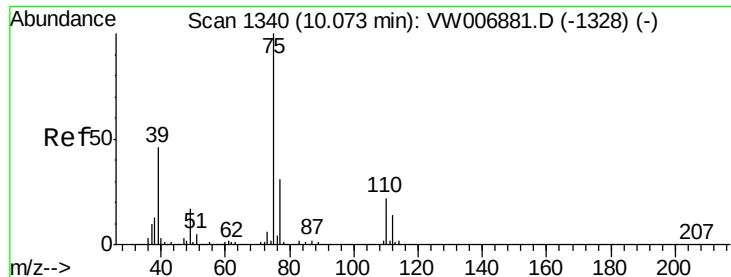
Tgt Ion: 63 Resp: 57583
 Ion Ratio Lower Upper
 63 100
 112 4.1 3.1 4.7



#41
 Bromodichloromethane
 Concen: 26.150 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion: 83 Resp: 73777
 Ion Ratio Lower Upper
 83 100
 85 64.6 42.4 78.6
 127 9.6 6.5 9.7





#42

cis-1,3-Dichloropropene

Concen: 26.140 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampled :

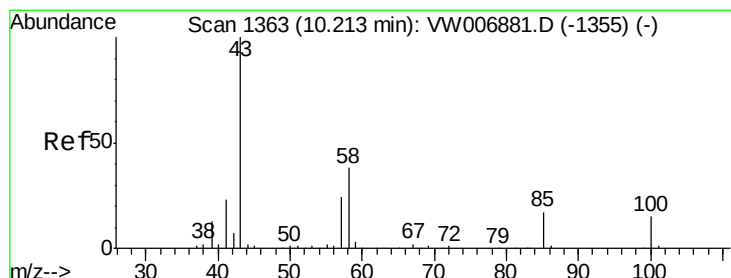
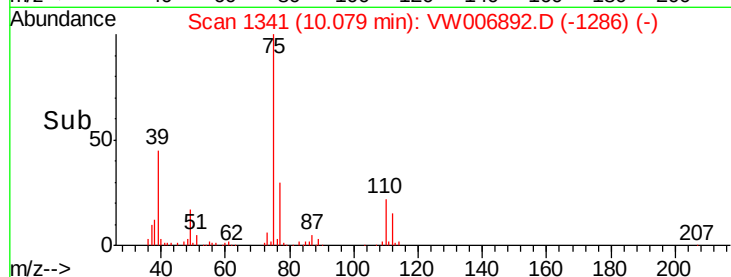
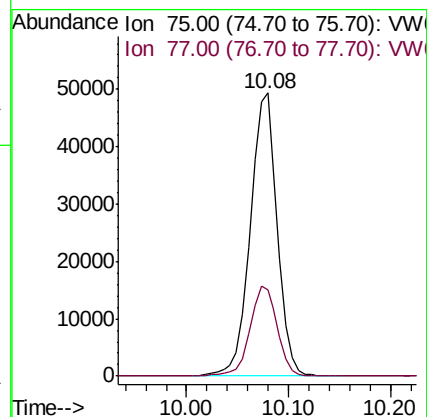
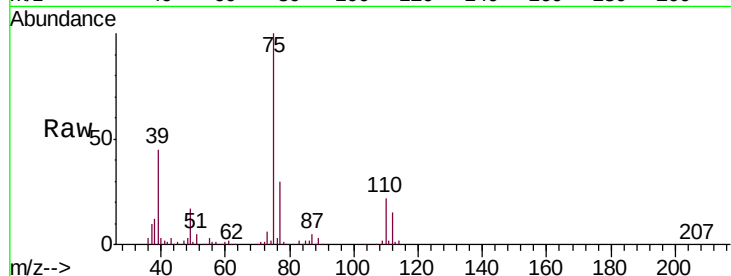
BFB82

Tgt Ion: 75 Resp: 90764

Ion Ratio Lower Upper

75 100

77 30.4 21.9 40.7



#43

4-Methyl-2-pentanone

Concen: 49.520 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

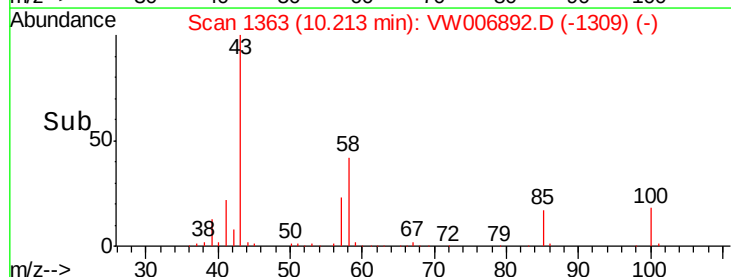
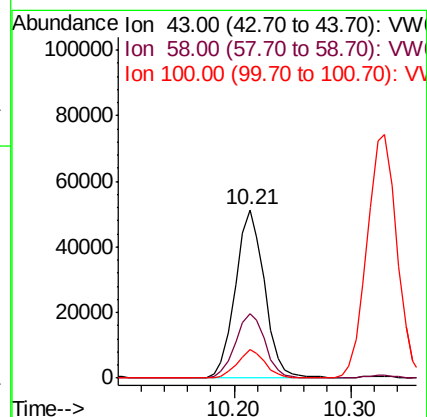
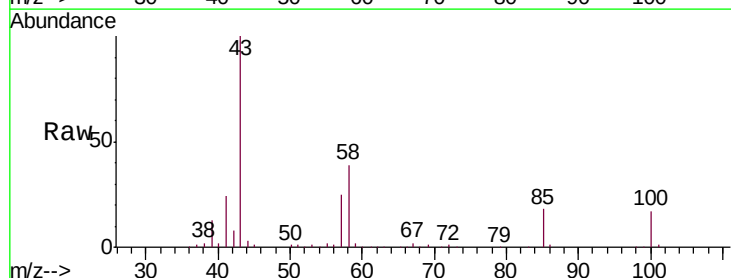
Tgt Ion: 43 Resp: 89237

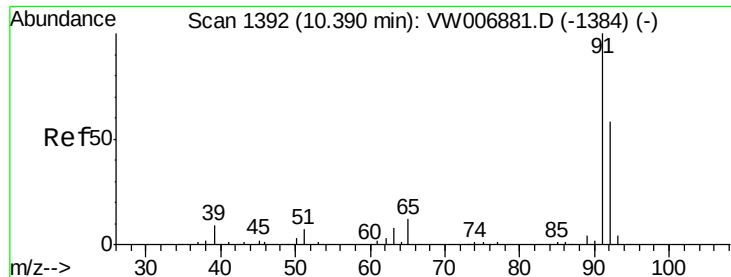
Ion Ratio Lower Upper

43 100

58 39.5 31.6 47.4

100 16.0 12.3 18.5





#44

Toluene

Concen: 25.145 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

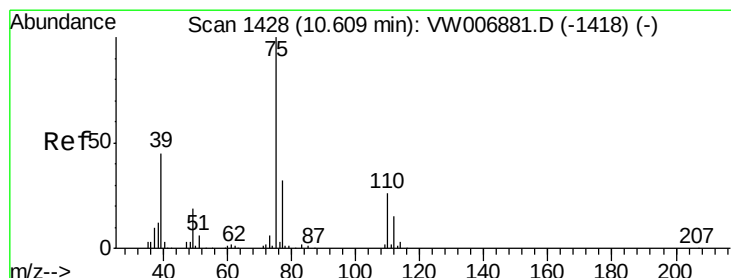
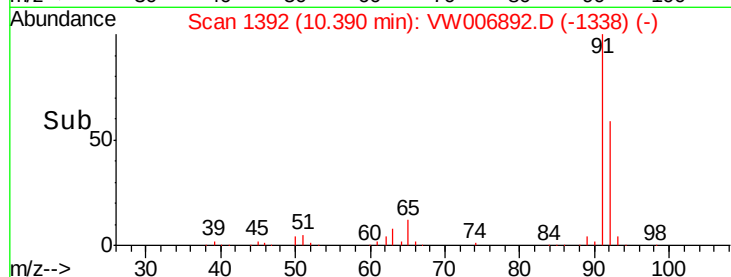
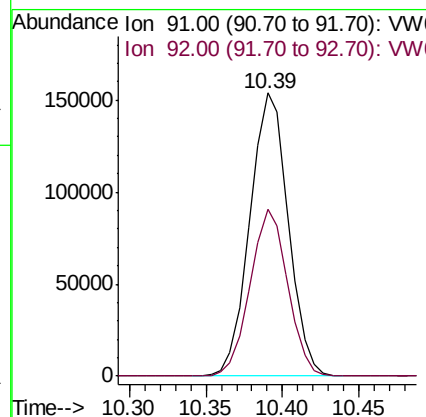
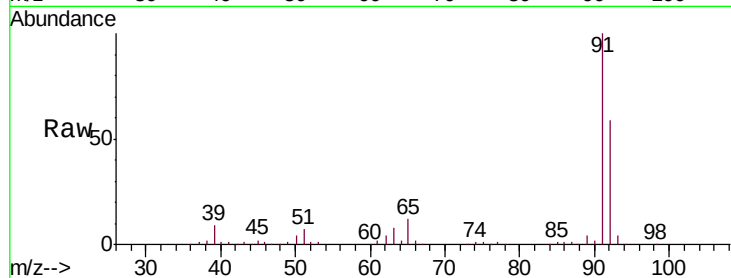
BFB82

Tgt Ion: 91 Resp: 268754

Ion Ratio Lower Upper

91 100

92 58.9 40.5 75.3



#45

trans-1,3-Dichloropropene

Concen: 26.659 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW006892.D

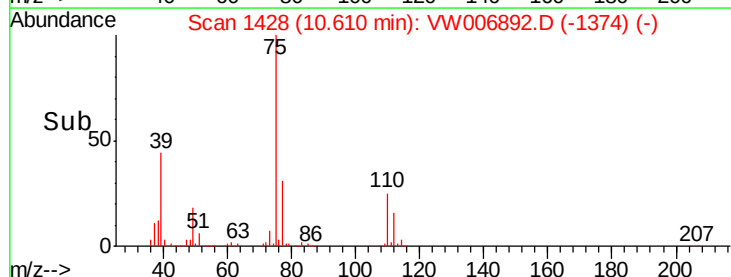
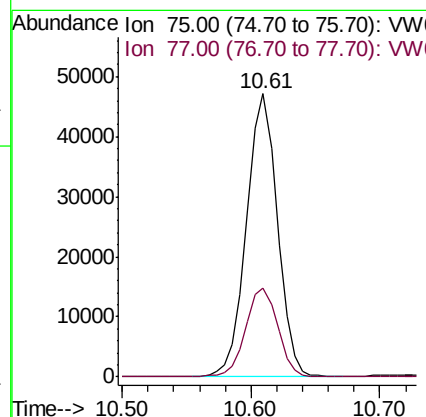
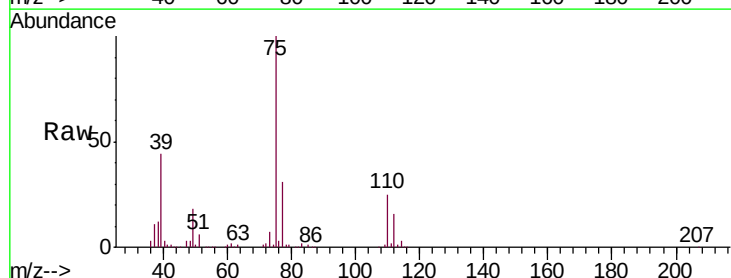
Acq: 15 Nov 2018 11:19

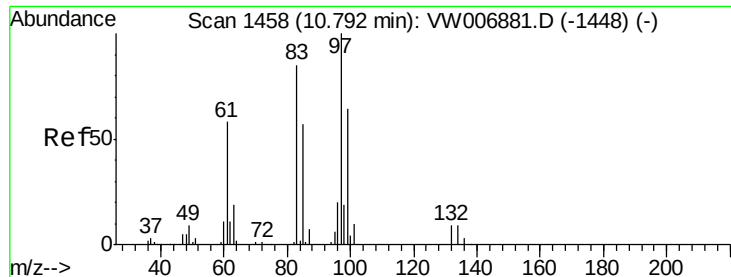
Tgt Ion: 75 Resp: 78225

Ion Ratio Lower Upper

75 100

77 31.2 22.7 42.1





#46

1,1,2-Trichloroethane

Concen: 24.880 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

BFB82

Tgt Ion: 97 Resp: 43807

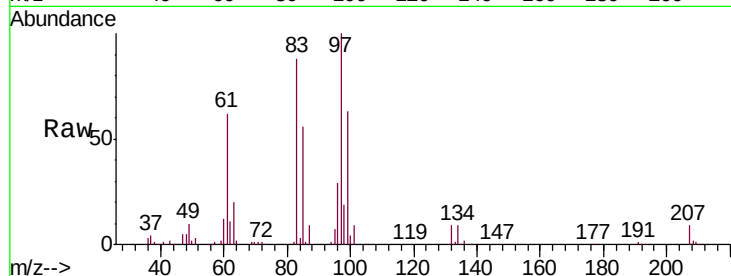
Ion Ratio Lower Upper

97 100

83 87.6 59.6 110.8

85 56.1 37.7 70.1

99 62.9 43.4 80.6

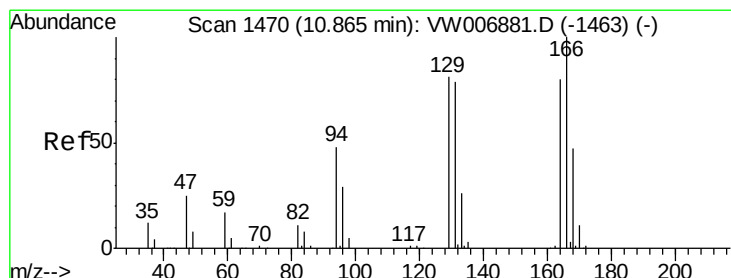
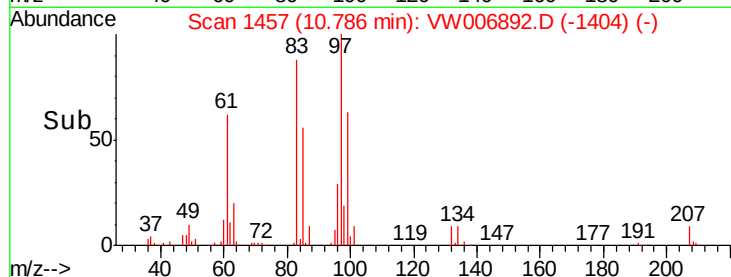
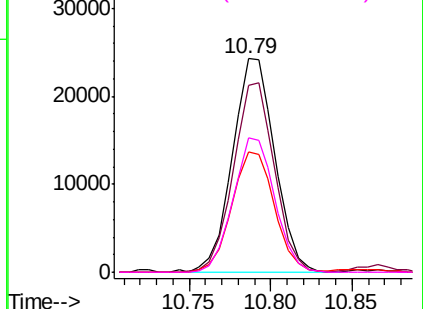


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 99.00 (98.70 to 99.70): VW



#47

Tetrachloroethene

Concen: 24.996 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Tgt Ion: 164 Resp: 48593

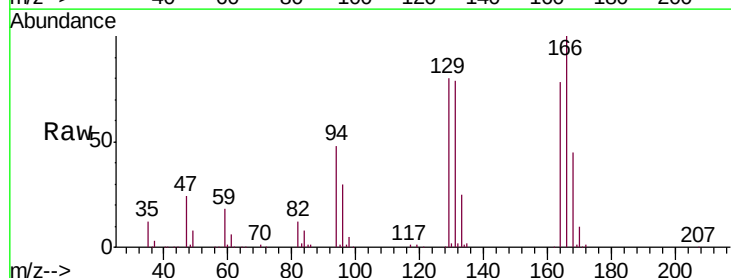
Ion Ratio Lower Upper

164 100

129 102.4 75.0 139.2

131 101.3 72.5 134.7

166 128.6 93.7 174.1

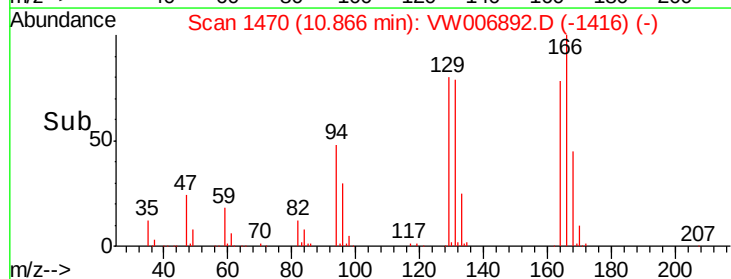
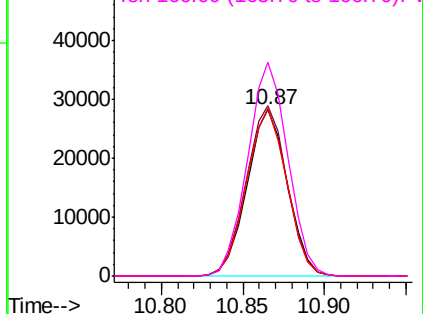


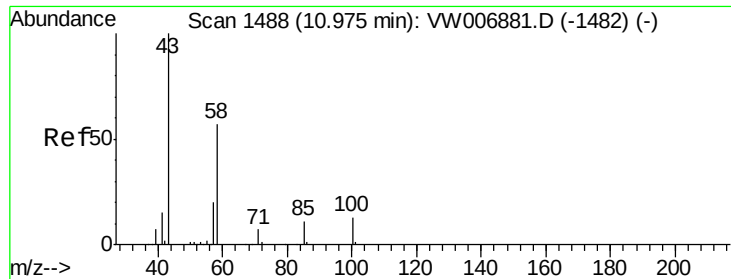
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

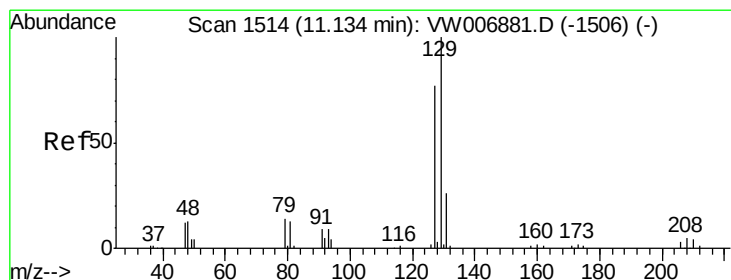
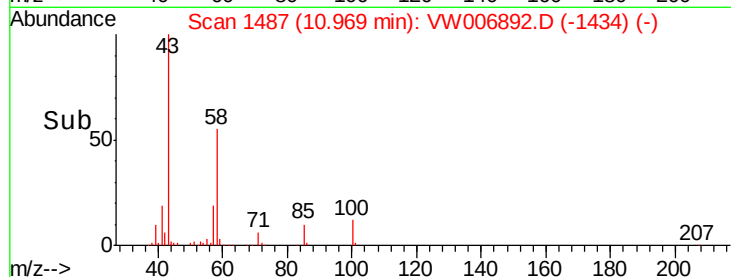
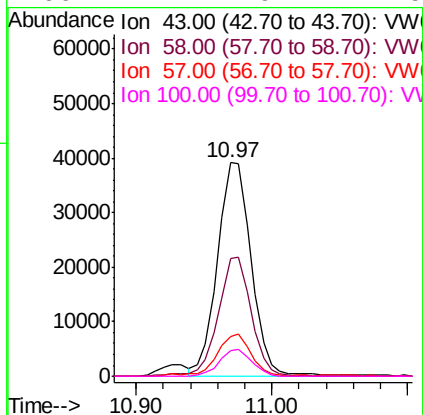
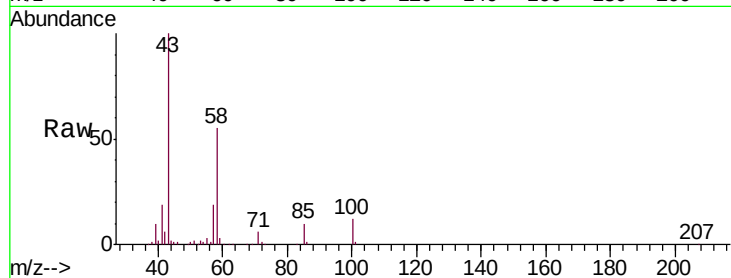




#49
 2-Hexanone
 Concen: 50.798 ug/L
 RT: 10.97 min Scan# 1487
 Delta R.T. -0.01 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

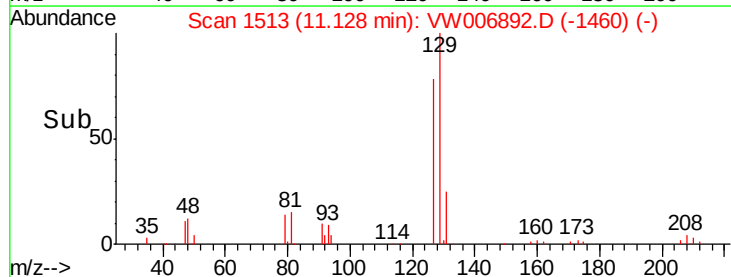
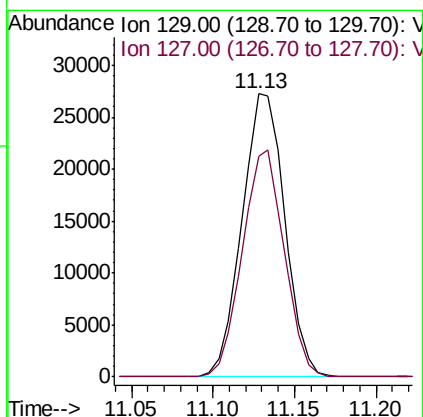
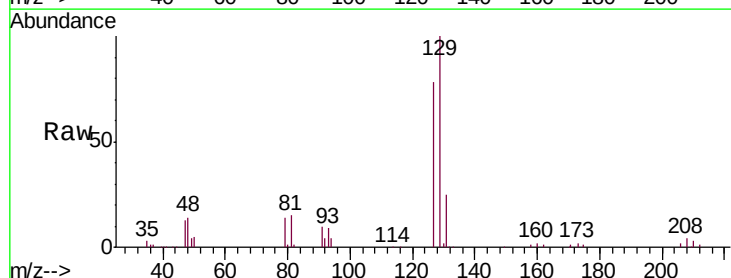
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

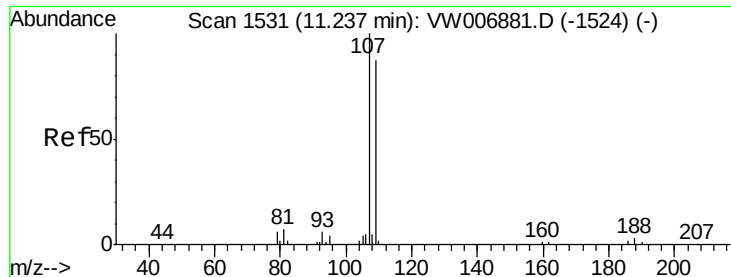
Tgt Ion: 43 Resp: 67774
 Ion Ratio Lower Upper
 43 100
 58 54.4 44.6 67.0
 57 18.7 16.0 24.0
 100 12.1 9.7 14.5



#50
 Dibromochloromethane
 Concen: 26.207 ug/L
 RT: 11.13 min Scan# 1513
 Delta R.T. -0.01 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion: 129 Resp: 49794
 Ion Ratio Lower Upper
 129 100
 127 78.2 55.7 103.5





#51

1,2-Dibromoethane

Concen: 25.965 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

BFB82

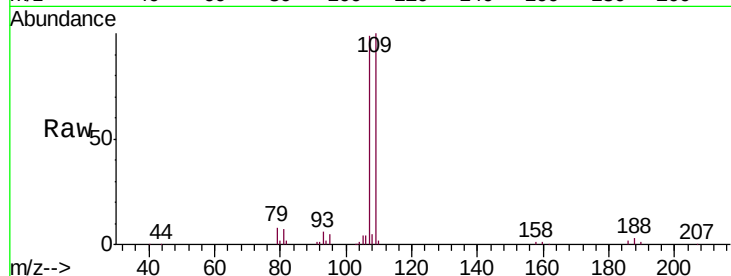
Tgt Ion:107 Resp: 43482

Ion Ratio Lower Upper

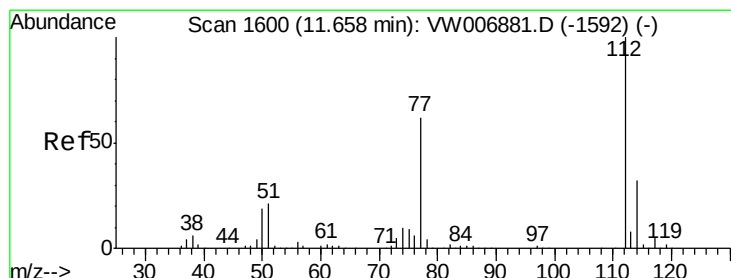
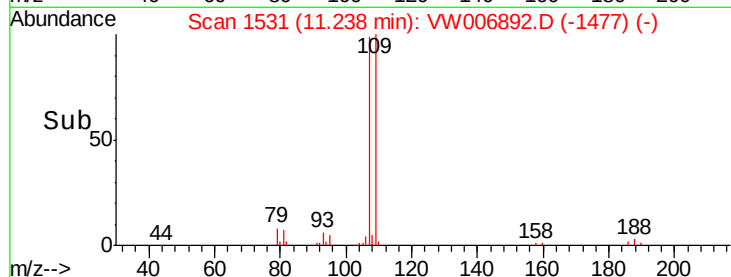
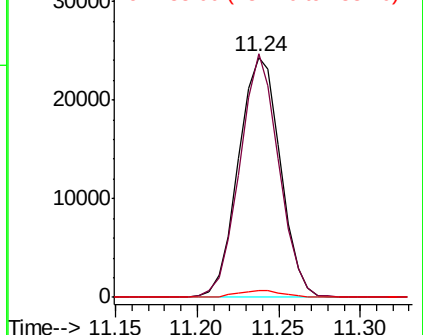
107 100

109 101.4 65.4 121.4

188 2.8 2.4 3.6



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.454 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

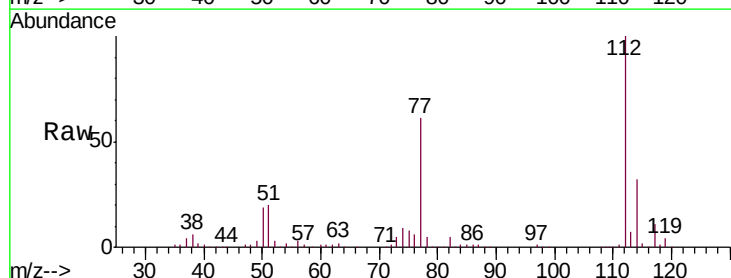
Tgt Ion:112 Resp: 171116

Ion Ratio Lower Upper

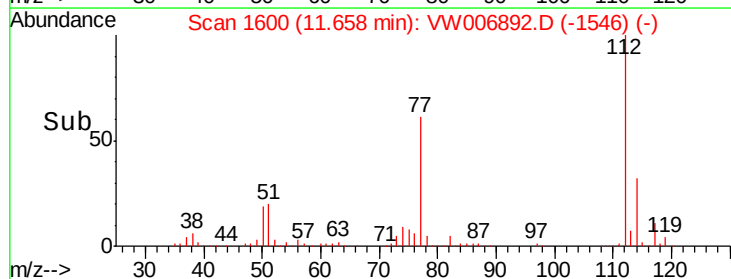
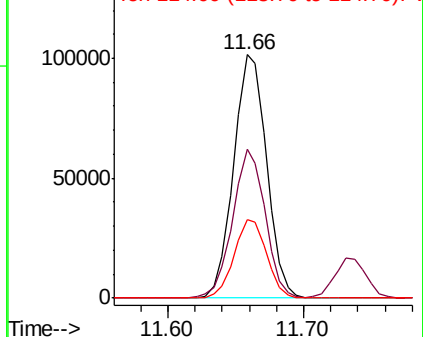
112 100

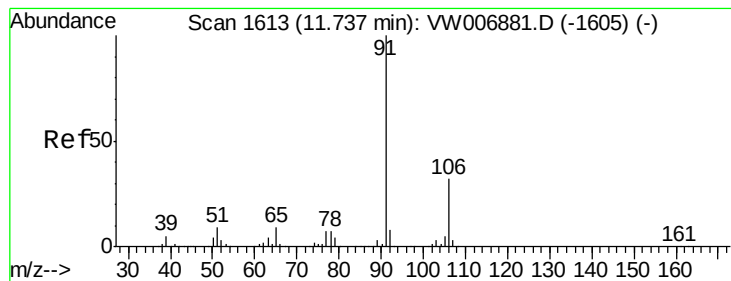
77 61.2 47.8 71.8

114 32.1 22.3 41.5



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 77.00 (76.70 to 77.70): V
Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 24.424 ug/L

RT: 11.74 min Scan# 1613

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

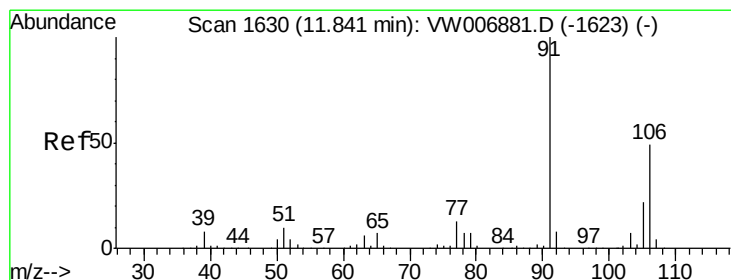
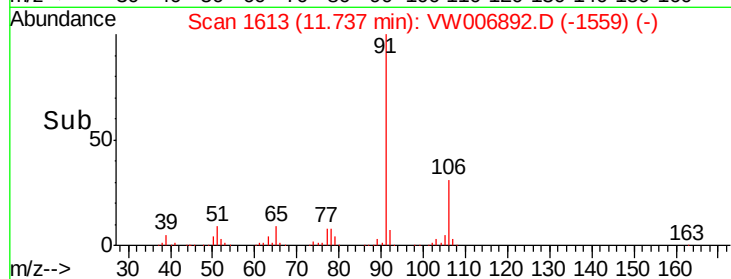
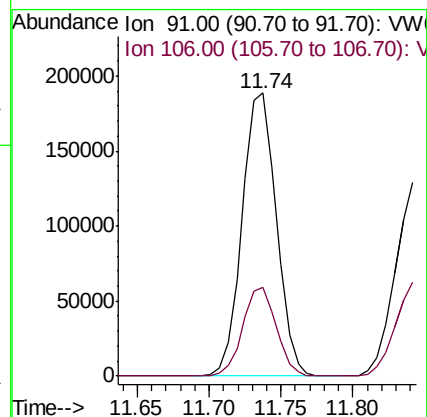
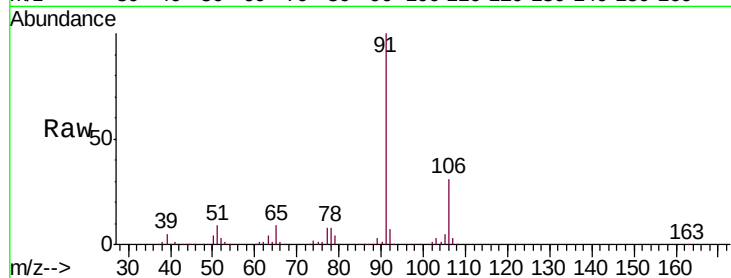
BFB82

Tgt Ion: 91 Resp: 310686

Ion Ratio Lower Upper

91 100

106 31.2 21.1 39.1



#54

m,p-Xylene

Concen: 24.555 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW006892.D

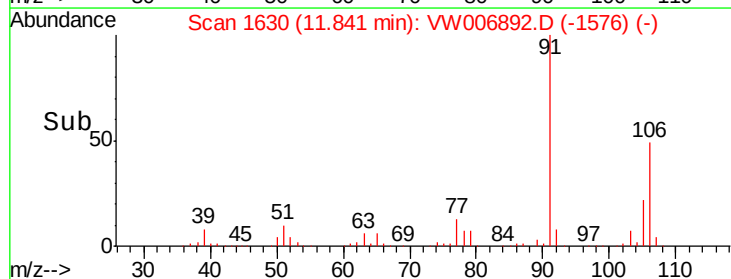
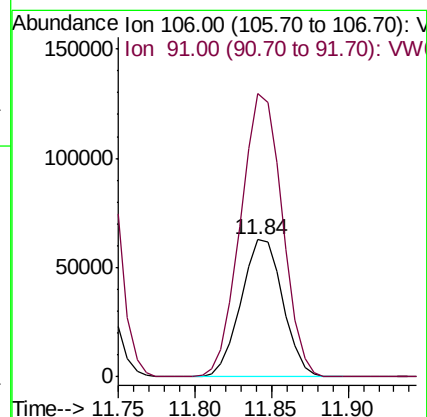
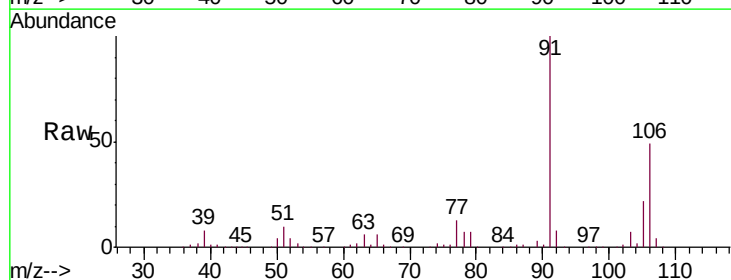
Acq: 15 Nov 2018 11:19

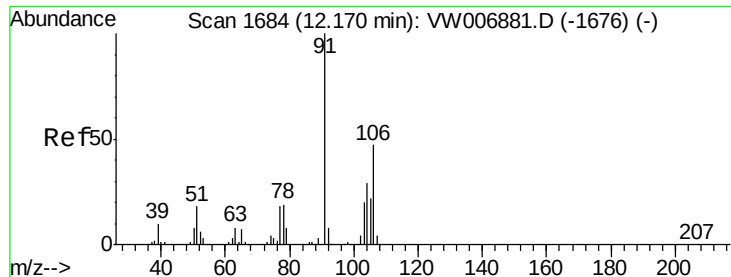
Tgt Ion: 106 Resp: 119462

Ion Ratio Lower Upper

106 100

91 206.2 141.5 262.9

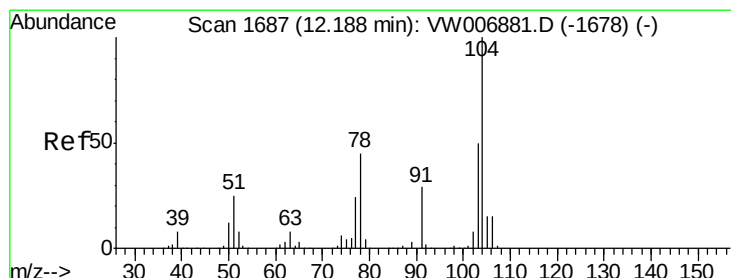
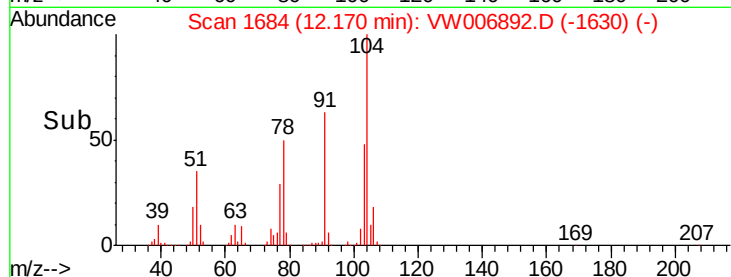
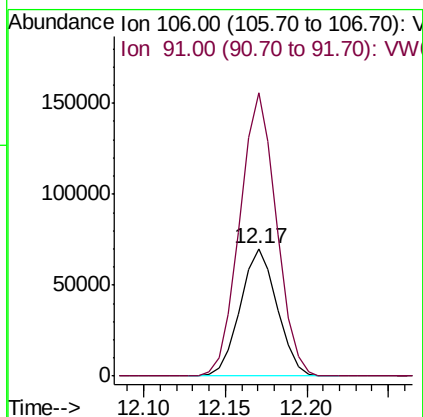
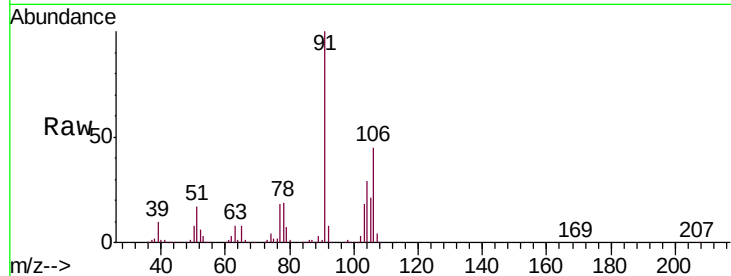




#55
o-xylene
Concen: 24.799 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

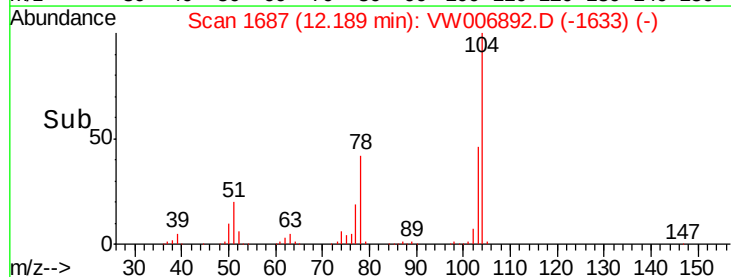
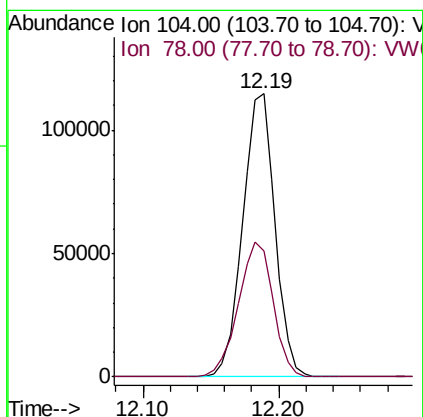
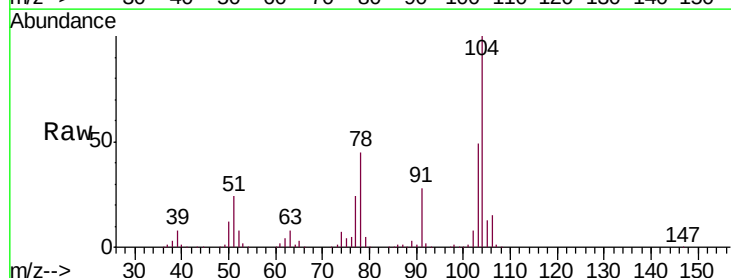
Instrument :
MSVOA_W
ClientSampled :
BFB82

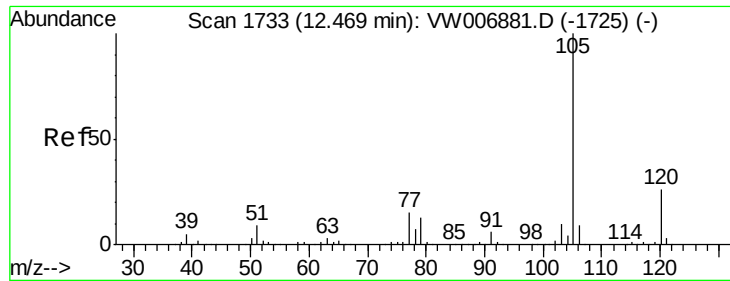
Tgt Ion:106 Resp: 110513
Ion Ratio Lower Upper
106 100
91 221.5 151.3 281.1



#56
Styrene
Concen: 25.679 ug/L
RT: 12.19 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VW006892.D
Acq: 15 Nov 2018 11:19

Tgt Ion:104 Resp: 189694
Ion Ratio Lower Upper
104 100
78 44.6 32.8 60.8





#57

Isopropylbenzene

Concen: 24.383 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampled :

BFB82

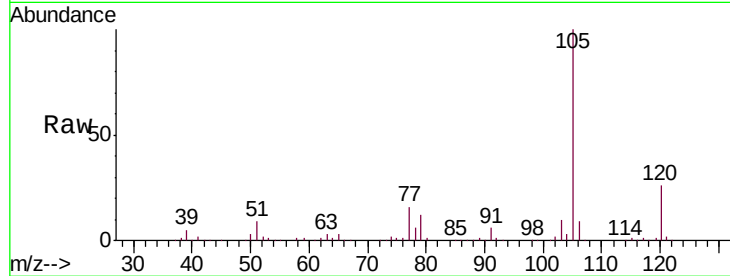
Tgt Ion: 105 Resp: 304203

Ion Ratio Lower Upper

105 100

120 26.2 20.7 31.1

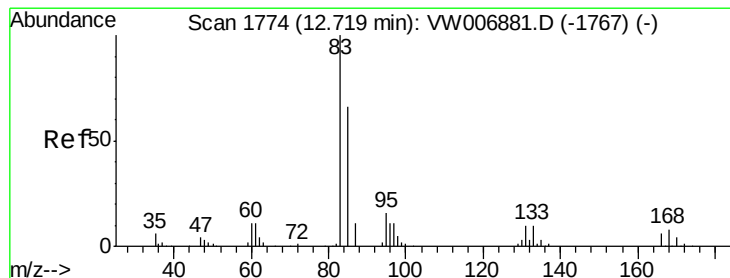
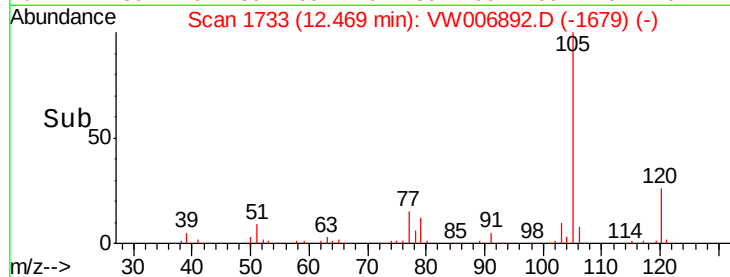
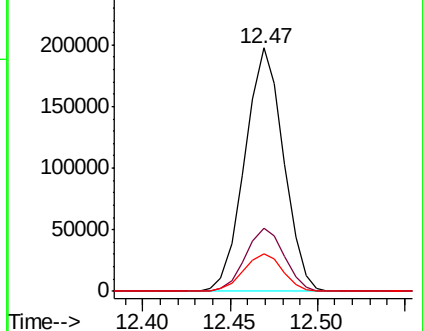
77 15.6 12.3 18.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 25.838 ug/L

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

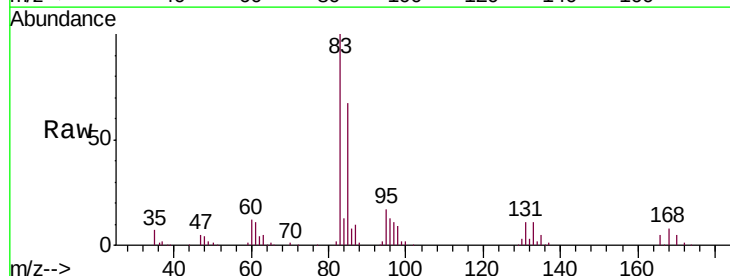
Tgt Ion: 83 Resp: 57718

Ion Ratio Lower Upper

83 100

85 66.7 44.4 82.5

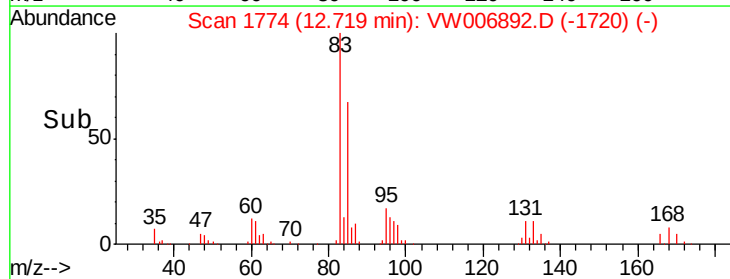
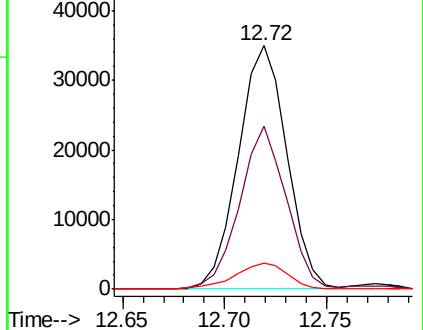
131 10.7 8.0 12.0

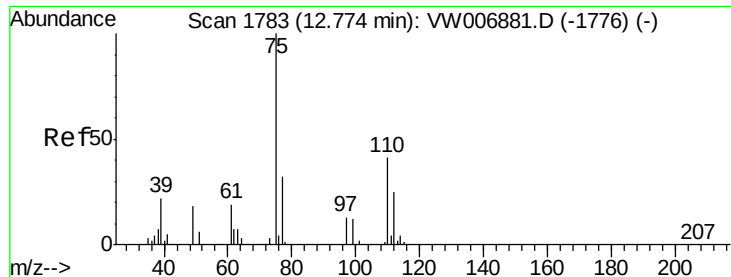


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

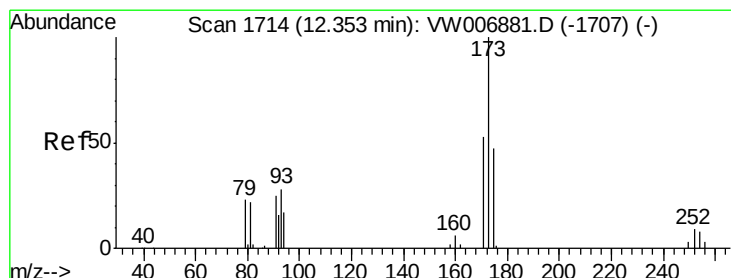
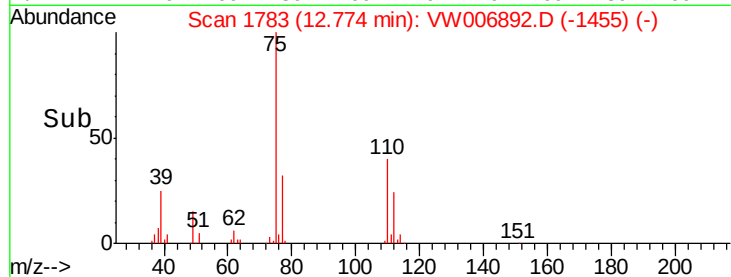
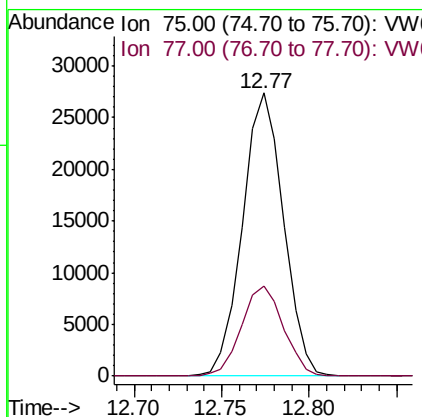
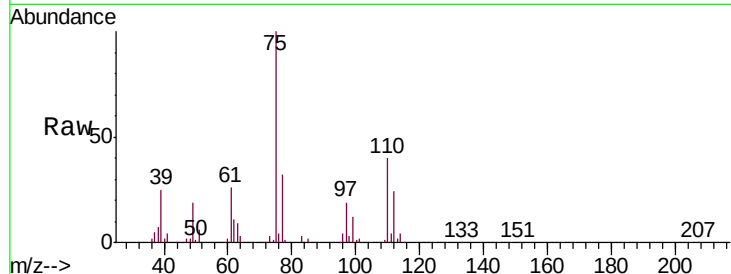




#59
 1,2,3-Trichloropropane
 Concen: 25.646 ug/L
 RT: 12.77 min Scan# 1783
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

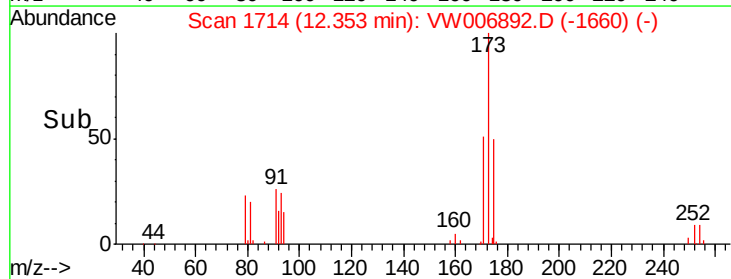
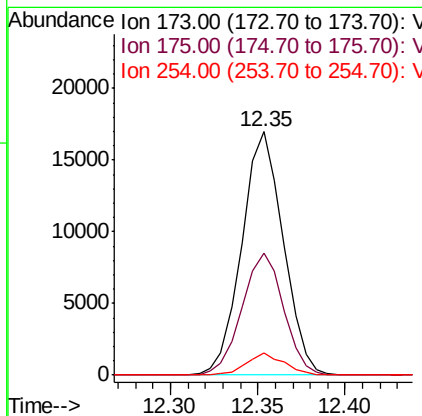
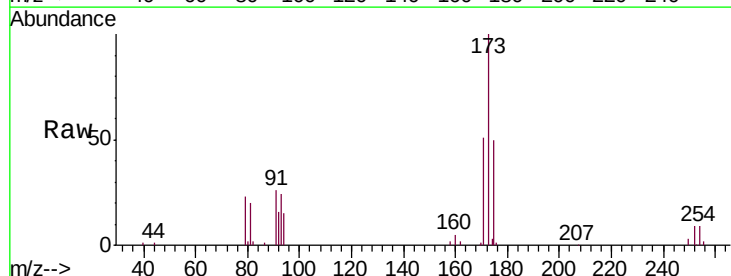
Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

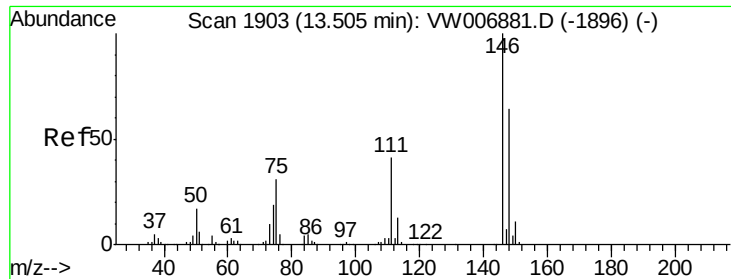
Tgt Ion: 75 Resp: 44617
 Ion Ratio Lower Upper
 75 100
 77 32.6 26.5 39.7



#62
 Bromoform
 Concen: 28.239 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion: 173 Resp: 28000
 Ion Ratio Lower Upper
 173 100
 175 50.2 39.5 59.3
 254 8.1 6.4 9.6

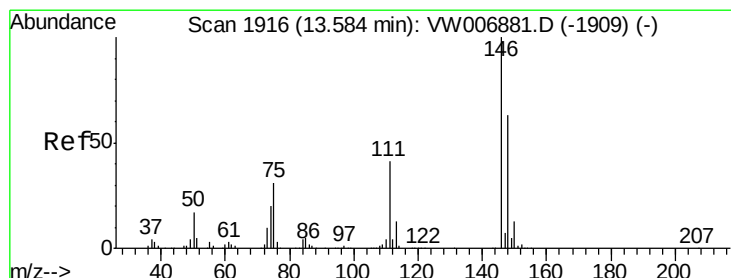
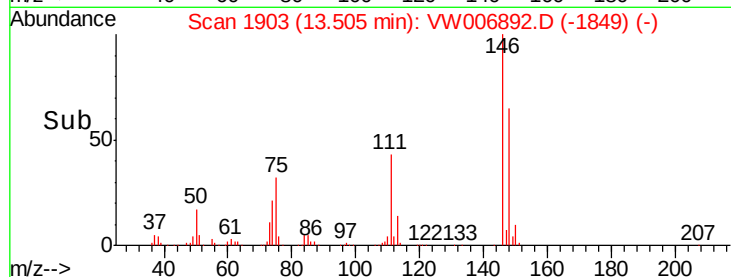
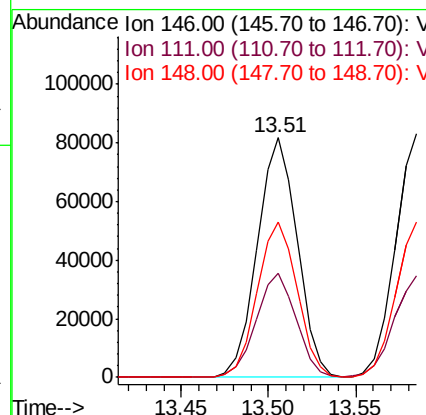
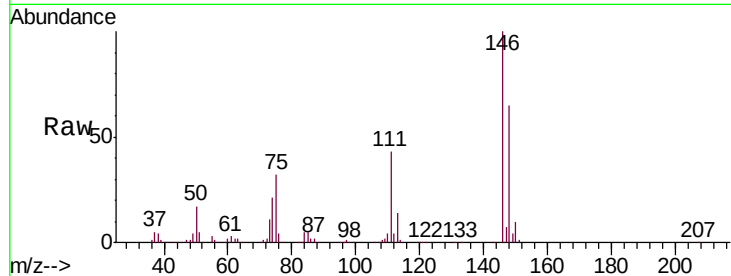




#63
 1,3-Dichlorobenzene
 Concen: 25.389 ug/L
 RT: 13.51 min Scan# 1903
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

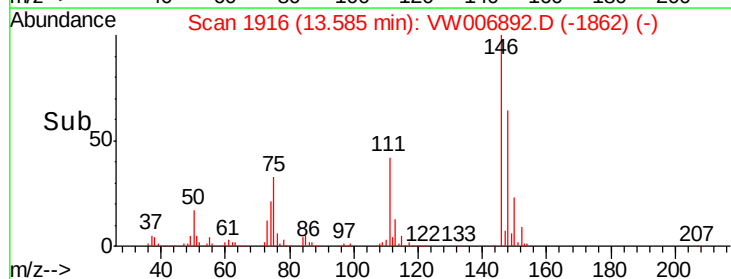
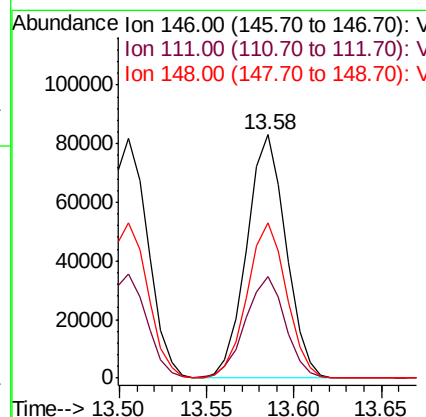
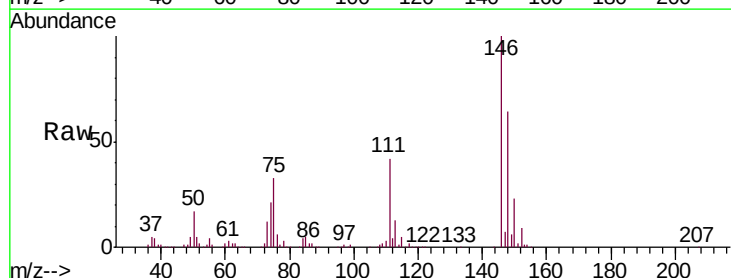
Instrument :
 MSVOA_W
 ClientSampleID :
 BFB82

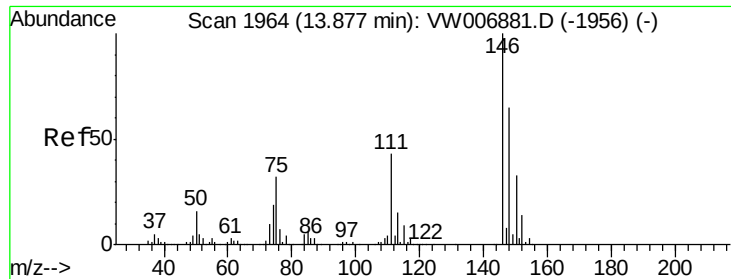
Tgt Ion:146 Resp: 130043
 Ion Ratio Lower Upper
 146 100
 111 43.5 29.3 54.3
 148 64.8 43.0 80.0



#64
 1,4-Dichlorobenzene
 Concen: 25.421 ug/L
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion:146 Resp: 129978
 Ion Ratio Lower Upper
 146 100
 111 41.9 28.8 53.4
 148 63.8 43.2 80.2





#65

1,2-Dichlorobenzene

Concen: 26.043 ug/L

RT: 13.88 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampleId :

BFB82

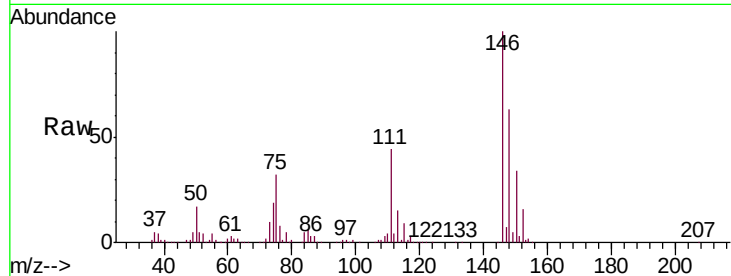
Tgt Ion:146 Resp: 119970

Ion Ratio Lower Upper

146 100

111 43.7 36.0 54.0

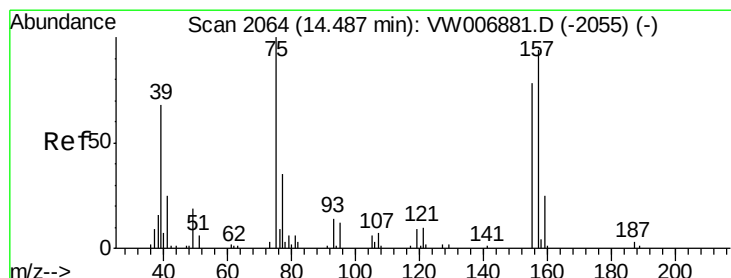
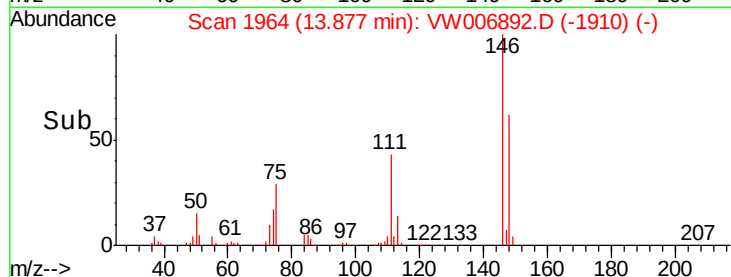
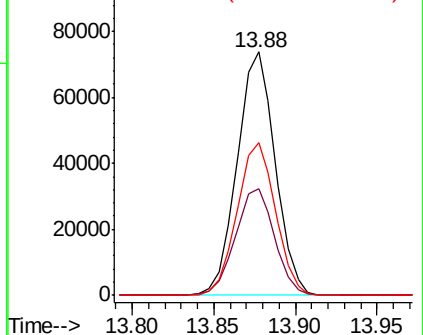
148 62.5 51.4 77.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 25.353 ug/L

RT: 14.49 min Scan# 2065

Delta R.T. 0.01 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

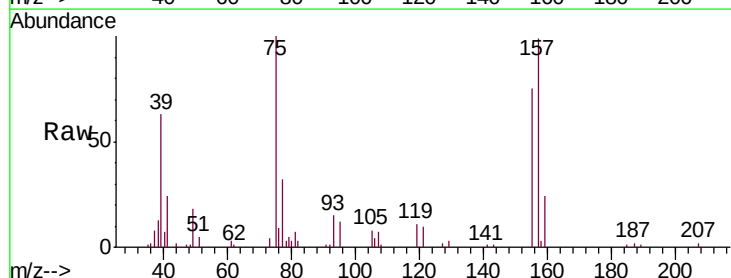
Tgt Ion: 75 Resp: 10827

Ion Ratio Lower Upper

75 100

157 98.5 85.0 127.6

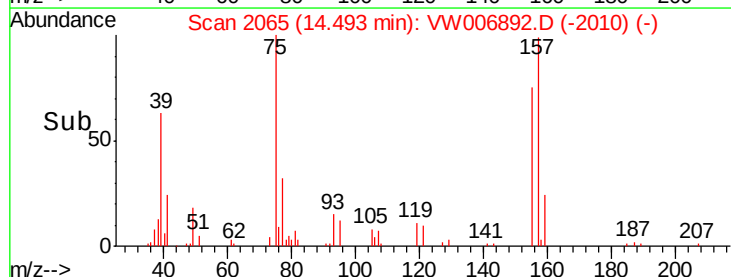
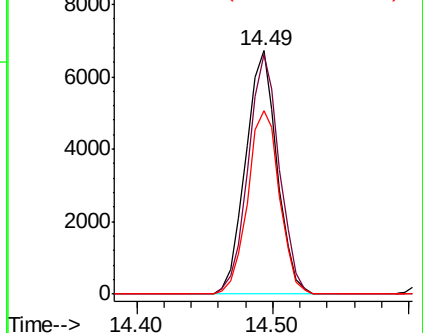
155 75.4 67.7 101.5

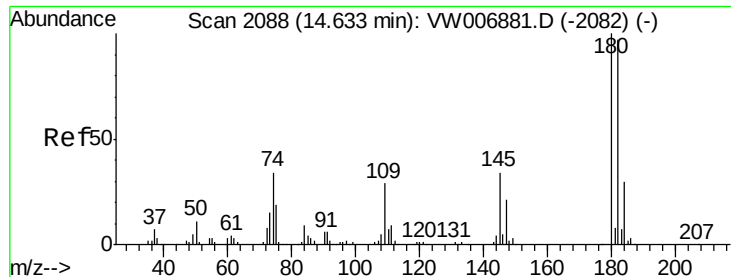


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

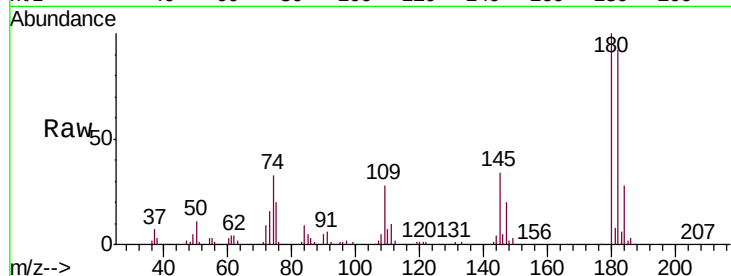




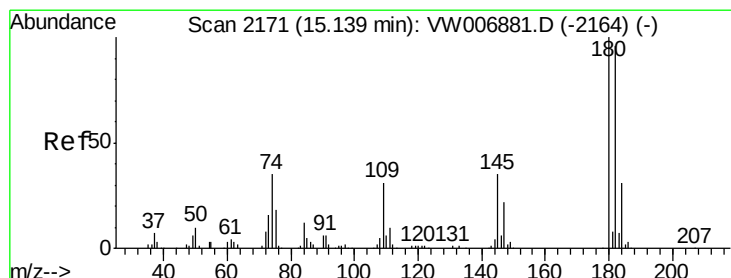
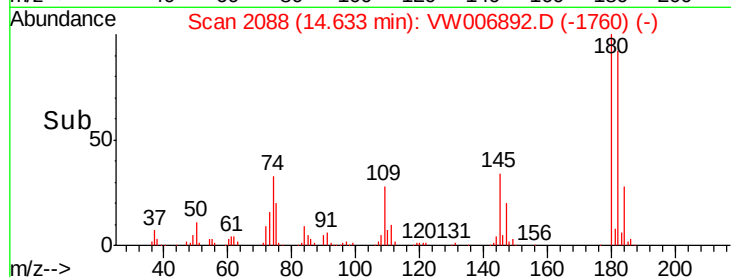
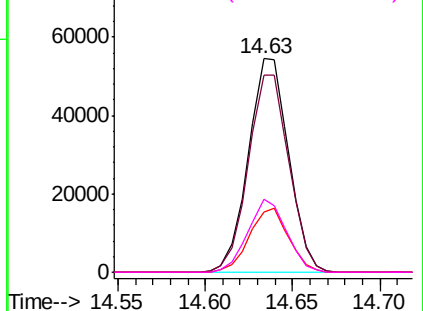
#67
 1,3,5-Trichlorobenzene
 Concen: 25.100 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Instrument :
 MSVOA_W
 ClientSampleId :
 BFB82

Tgt Ion:180 Resp: 87366
 Ion Ratio Lower Upper
 180 100
 182 93.0 75.6 113.4
 184 29.1 24.2 36.4
 145 32.8 26.4 39.6

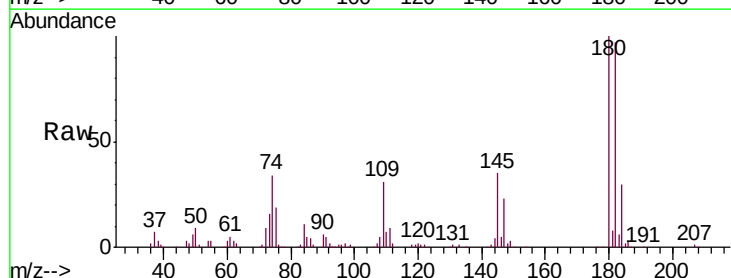


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

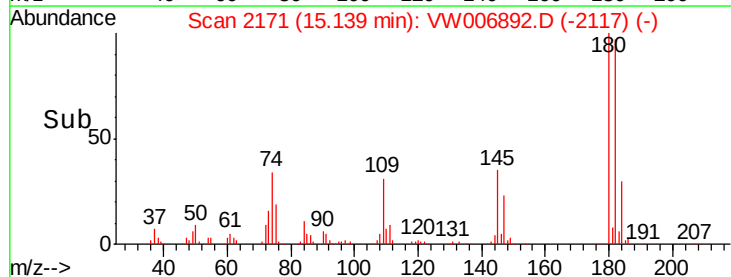
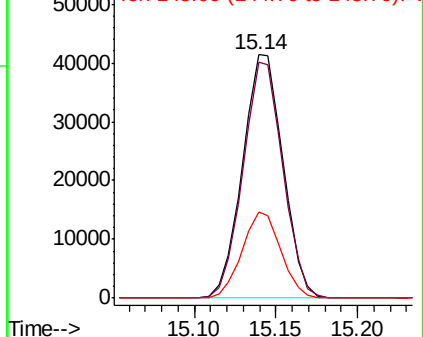


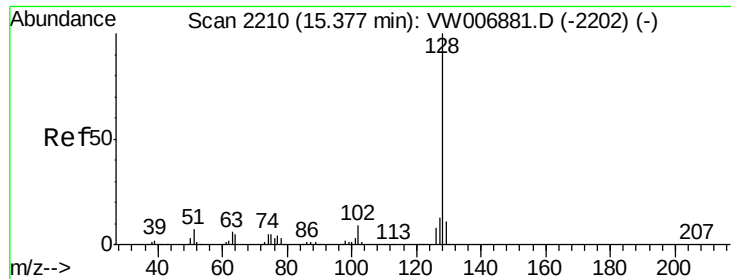
#68
 1,2,4-trichlorobenzene
 Concen: 25.210 ug/L
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.00 min
 Lab File: VW006892.D
 Acq: 15 Nov 2018 11:19

Tgt Ion:180 Resp: 71509
 Ion Ratio Lower Upper
 180 100
 182 95.6 75.5 113.3
 145 34.0 27.4 41.2



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 24.891 ug/L

RT: 15.38 min Scan# 2210

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

Instrument :

MSVOA_W

ClientSampled :

BFB82

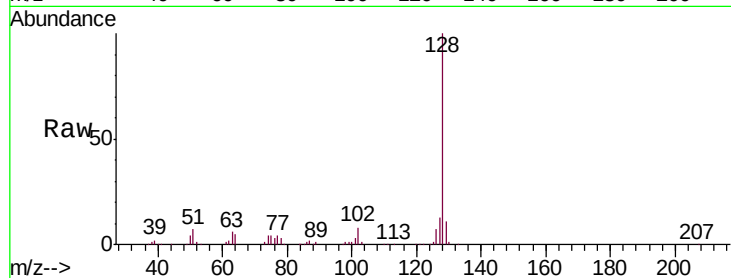
Tgt Ion:128 Resp: 169247

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

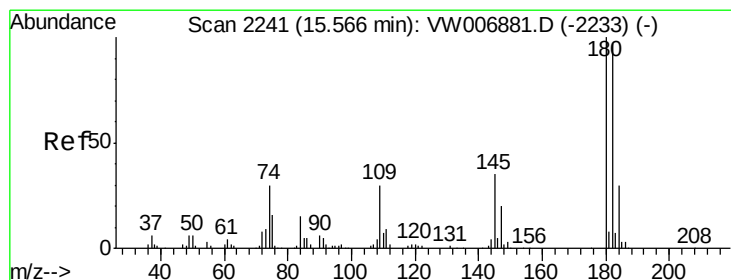
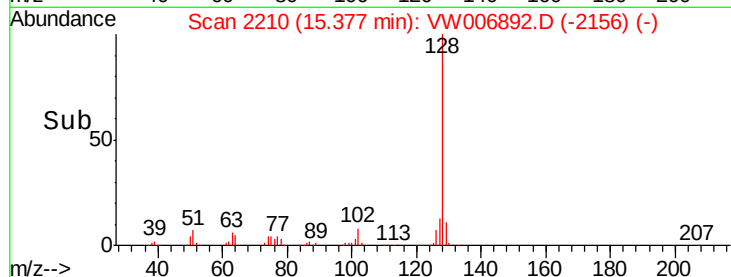
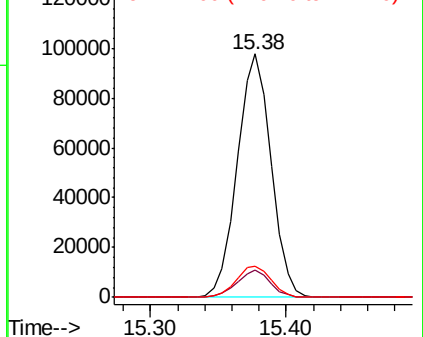
127 13.3 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 25.478 ug/L

RT: 15.57 min Scan# 2241

Delta R.T. 0.00 min

Lab File: VW006892.D

Acq: 15 Nov 2018 11:19

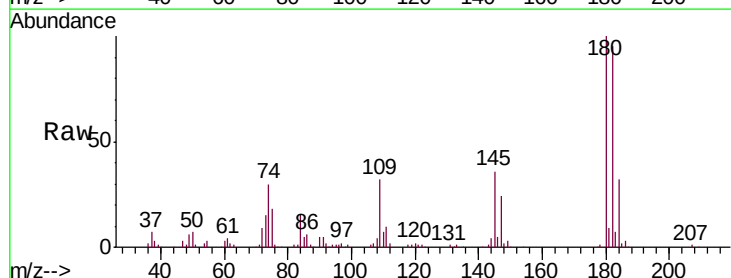
Tgt Ion:180 Resp: 64249

Ion Ratio Lower Upper

180 100

182 94.0 75.8 113.6

145 36.2 28.8 43.2



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

