

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_W\DATA\VW122820\
 Data File : VW017765.D
 Acq On : 28 Dec 2020 16:06
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA_W/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Quant Time: Dec 29 13:18:41 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	335780	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	310218	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	159072	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	123255	24.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	97.76%
7) Chloroethane-d5	2.89	69	110766	25.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	101.08%
11) 1,1-Dichloroethene-d2	4.02	63	167595	18.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.84%
21) 2-Butanone-d5	7.07	46	64004	55.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.76%
24) Chloroform-d	7.65	84	228168	24.59	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.36%
26) 1,2-Dichloroethane-d4	8.31	65	138964	26.77	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	107.08%
32) Benzene-d6	8.27	84	452756	25.75	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	103.00%
36) 1,2-Dichloropropane-d6	9.27	67	132434	26.18	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	104.72%
41) Toluene-d8	10.32	98	432461	25.65	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	102.60%
43) trans-1,3-Dichloropropene-	10.57	79	60892	24.72	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	98.88%
47) 2-Hexanone-d5	10.92	63	46118	56.52	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	113.04%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	118009	26.55	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	106.20%
66) 1,2-Dichlorobenzene-d4	13.85	152	144059	25.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	103.52%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	2.01	85	4362	1.122 ug/L #	85
3) Chloromethane	2.21	50	4827	1.430 ug/L	92
5) Vinyl chloride	2.36	62	7283	1.293 ug/L #	27
6) Bromomethane	2.78	94	6597	1.386 ug/L	93
8) Chloroethane	2.92	64	4990	1.343 ug/L #	82
9) Trichlorofluoromethane	3.26	101	3703	0.918 ug/L	99
12) 1,1-Dichloroethene	4.03	96	3094	0.739 ug/L #	1
13) Acetone	4.12	43	988	1.131 ug/L	91
14) Carbon disulfide	4.39	76	14596	1.125 ug/L #	94
17) trans-1,2-Dichloroethene	5.43	96	5859	1.246 ug/L	85
18) Methyl tert-butyl Ether	5.42	73	5072	0.828 ug/L #	82
19) 1,1-Dichloroethane	6.21	63	9560	1.163 ug/L #	88
20) cis-1,2-Dichloroethene	7.17	96	6045	1.200 ug/L	93
23) Bromochloromethane	7.51	128	2722	1.197 ug/L	86
25) Chloroform	7.68	83	11466	1.319 ug/L	92
27) 1,2-Dichloroethane	8.40	62	8274	1.367 ug/L	95
29) Cyclohexane	7.96	56	8803	1.168 ug/L #	90

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 Quant Title : SFAM01.0
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

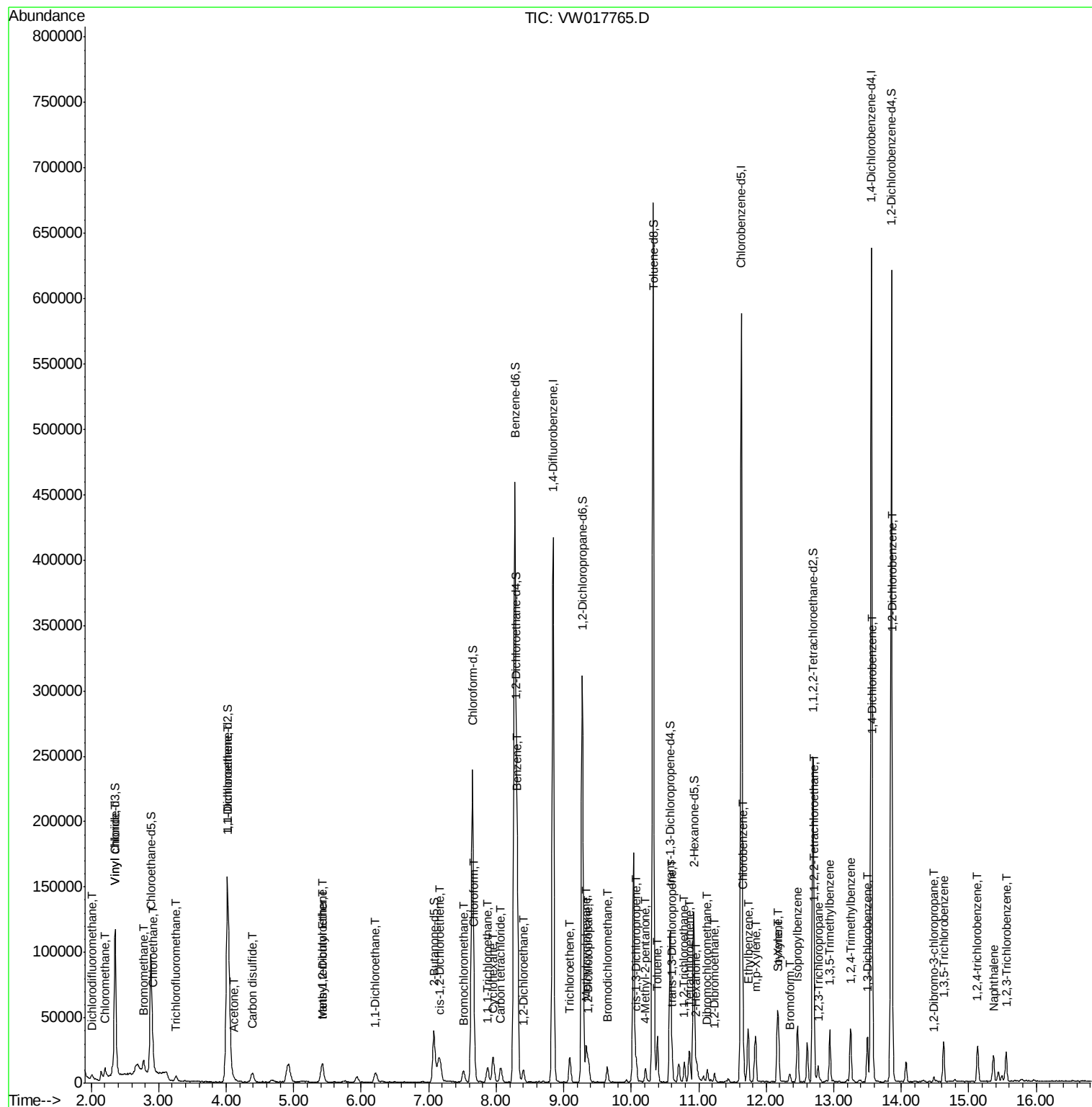
30) 1,1,1-Trichloroethane	7.87	97	8513	1.168	ug/L	98
31) Carbon tetrachloride	8.07	117	7621	1.097	ug/L	94
33) Benzene	8.32	78	21701	1.169	ug/L	100
34) Trichloroethene	9.09	95	6520	1.296	ug/L #	76
35) Methylcyclohexane	9.34	83	10020	1.164	ug/L	93
37) 1,2-Dichloropropane	9.37	63	5508	1.224	ug/L #	94
38) Bromodichloromethane	9.65	83	7364	1.160	ug/L	97
39) cis-1,3-Dichloropropene	10.07	75	8489	1.148	ug/L	94
40) 4-Methyl-2-pentanone	10.21	43	7796	2.861	ug/L	95
42) Toluene	10.39	91	24676	1.180	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	11346	1.708	ug/L	99
45) 1,1,2-Trichloroethane	10.79	97	4620	1.281	ug/L	92
46) Tetrachloroethene	10.86	164	4727	1.216	ug/L	92
48) 2-Hexanone	10.97	43	6930	3.717	ug/L #	93
49) Dibromochloromethane	11.13	129	4861	1.130	ug/L	99
50) 1,2-Dibromoethane	11.23	107	4341	1.237	ug/L #	98
51) Chlorobenzene	11.66	112	15866	1.199	ug/L	93
52) Ethylbenzene	11.73	91	28132	1.190	ug/L	90
53) m,p-Xylene	11.84	106	10721	1.175	ug/L	96
54) o-Xylene	12.16	106	9908	1.138	ug/L	96
55) Styrene	12.18	104	15364	1.031	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	6193	1.429	ug/L	98
59) Bromoform	12.35	173	2373	1.032	ug/L	100
60) Isopropylbenzene	12.46	105	26552	1.147	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	4306	1.345	ug/L #	86
62) 1,3,5-Trimethylbenzene	12.94	105	21070	1.112	ug/L	99
63) 1,2,4-Trimethylbenzene	13.25	105	22068	1.157	ug/L	94
64) 1,3-Dichlorobenzene	13.50	146	11861	1.182	ug/L	87
65) 1,4-Dichlorobenzene	13.58	146	12823	1.280	ug/L	97
67) 1,2-Dichlorobenzene	13.87	146	11920	1.300	ug/L #	90
68) 1,2-Dibromo-3-chloropropan	14.48	75	1129	1.545	ug/L #	54
69) 1,3,5-Trichlorobenzene	14.62	180	7857	1.157	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	8264	1.406	ug/L	93
71) Naphthalene	15.36	128	16300	1.290	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	7072	1.358	ug/L	98

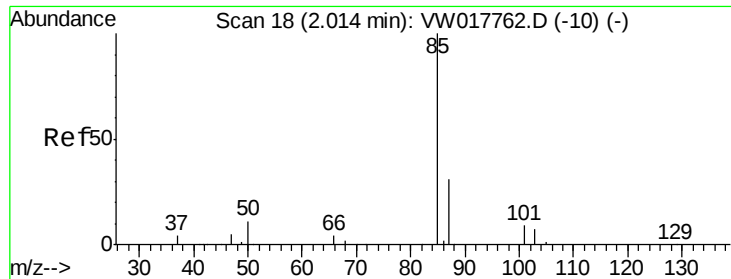
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#2

Dichlorodifluoromethane

Concen: 1.122 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

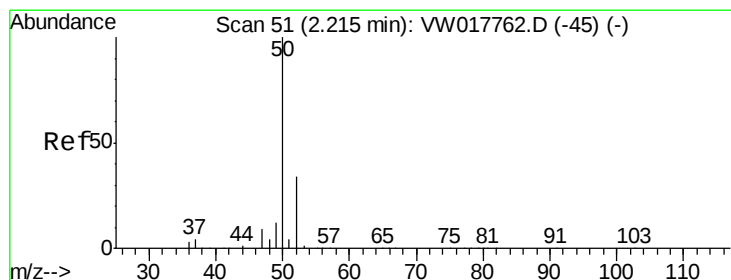
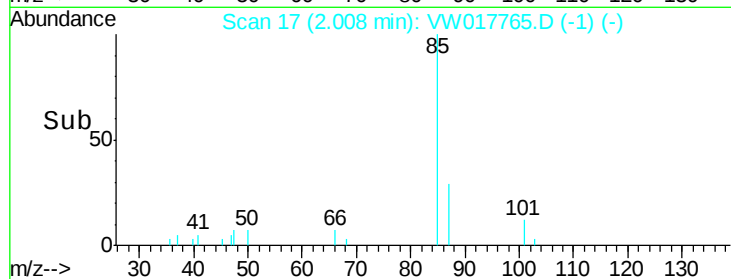
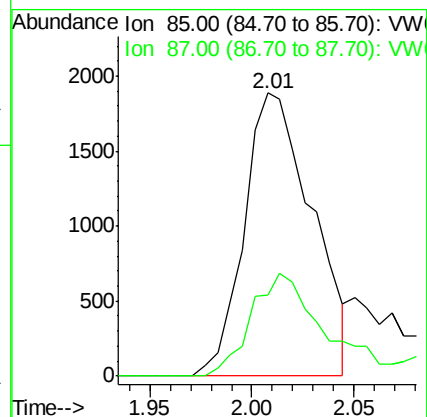
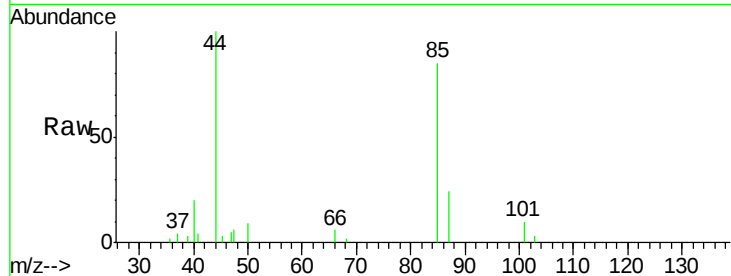
MDL-SOIL-QT1-2020-01

Tgt Ion: 85 Resp: 4362

Ion Ratio Lower Upper

85 100

87 38.1 23.8 35.6#



#3

Chloromethane

Concen: 1.430 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017765.D

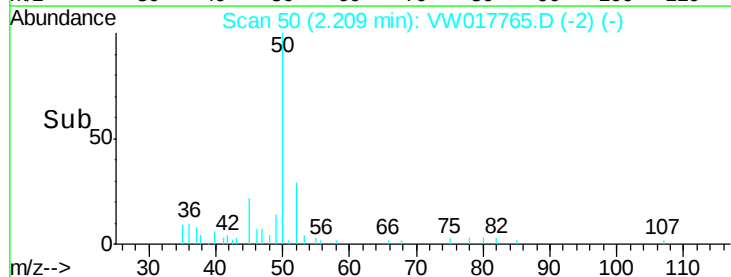
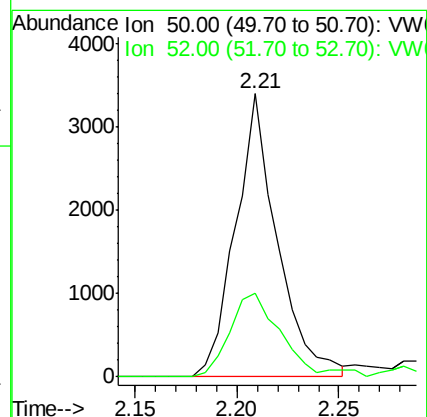
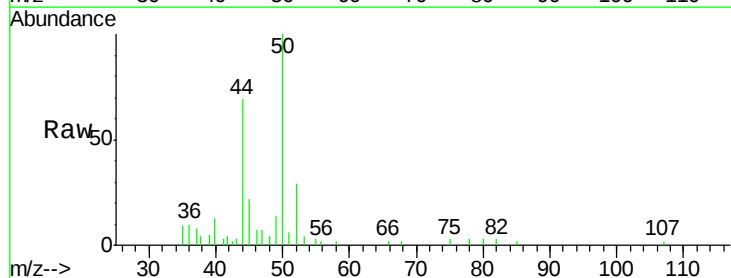
Acq: 28 Dec 2020 16:06

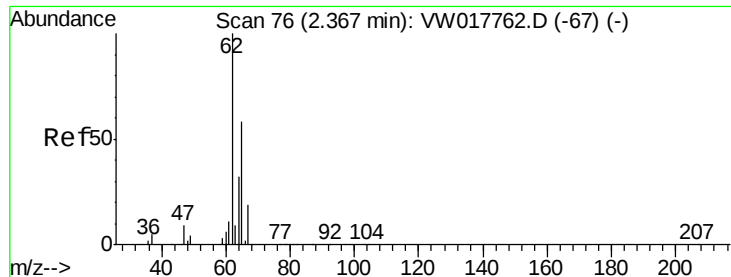
Tgt Ion: 50 Resp: 4827

Ion Ratio Lower Upper

50 100

52 29.4 23.6 43.8





#5

Vinyl chloride

Concen: 1.293 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

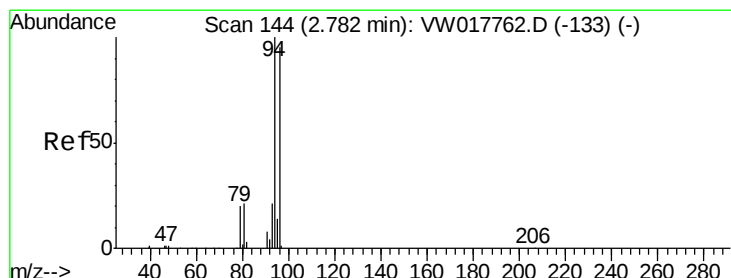
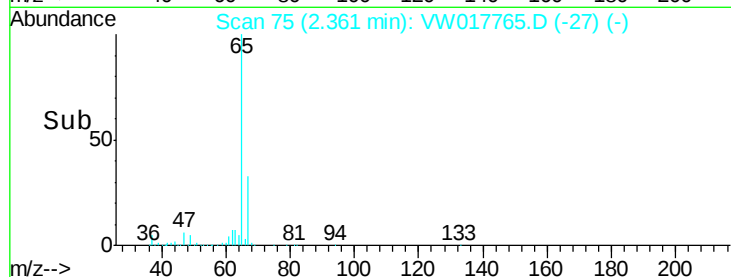
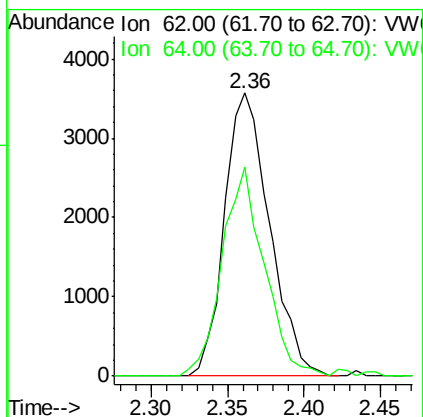
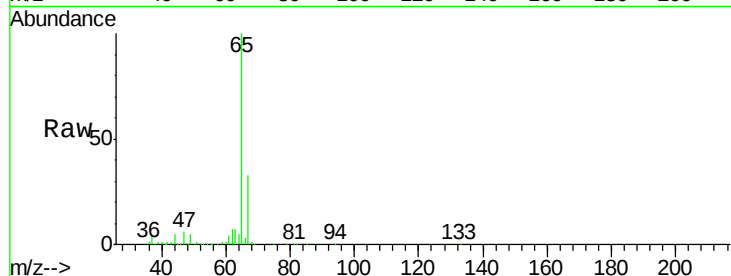
MDL-SOIL-QT1-2020-01

Tgt Ion: 62 Resp: 7283

Ion Ratio Lower Upper

62 100

64 74.1 23.0 42.6#



#6

Bromomethane

Concen: 1.386 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017765.D

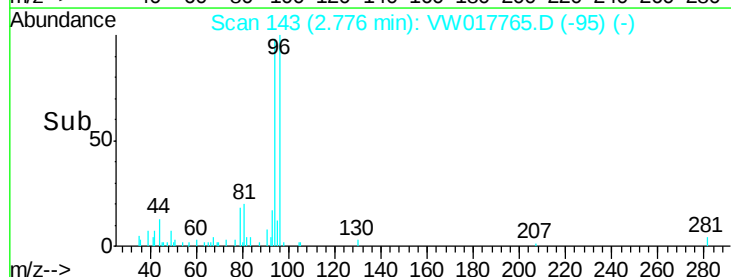
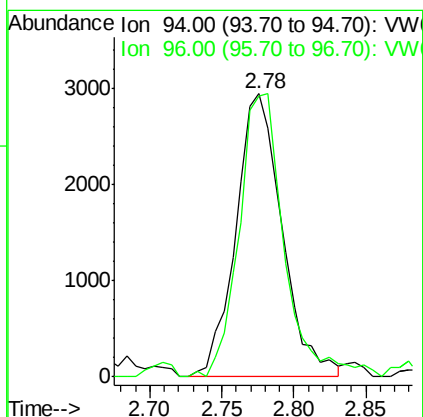
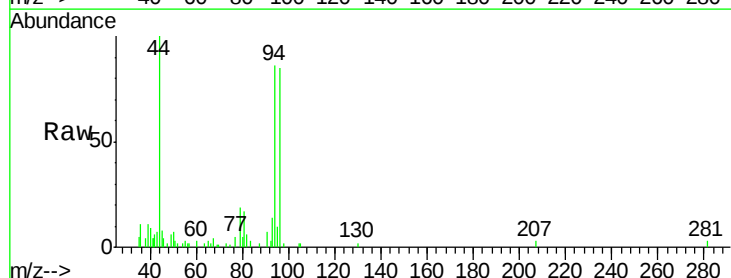
Acq: 28 Dec 2020 16:06

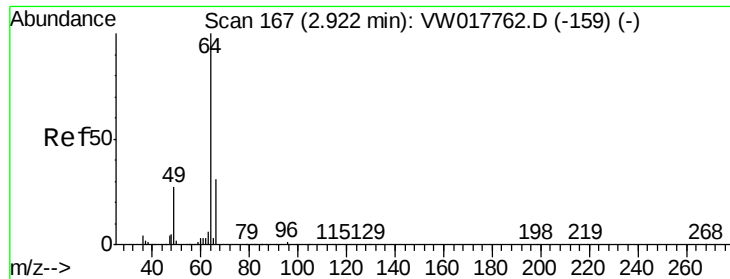
Tgt Ion: 94 Resp: 6597

Ion Ratio Lower Upper

94 100

96 99.2 65.0 120.6





#8

Chloroethane

Concen: 1.343 ug/L

RT: 2.92 min Scan# 166

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

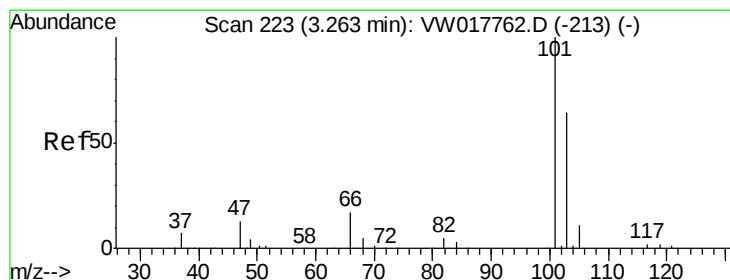
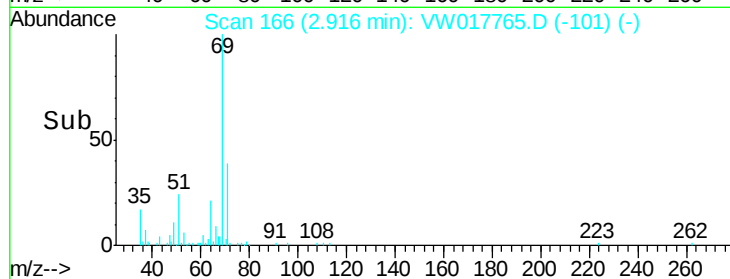
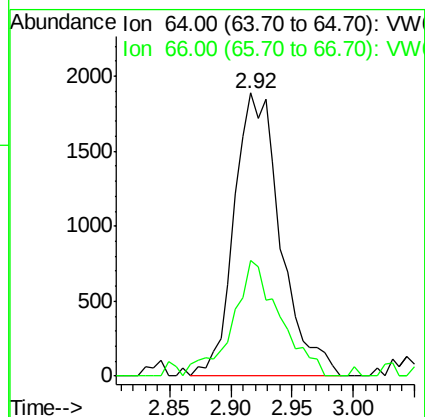
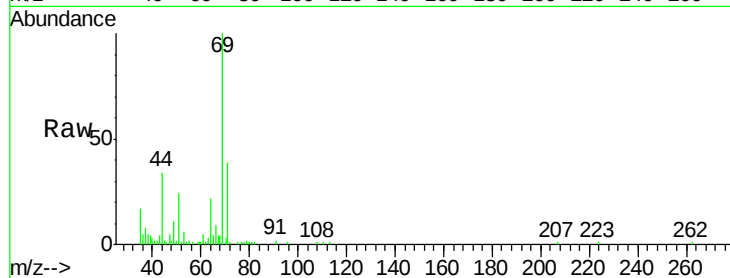
MDL-SOIL-QT1-2020-01

Tgt Ion: 64 Resp: 4990

Ion Ratio Lower Upper

64 100

66 41.0 21.7 40.3#



#9

Trichlorofluoromethane

Concen: 0.918 ug/L

RT: 3.26 min Scan# 222

Delta R.T. -0.01 min

Lab File: VW017765.D

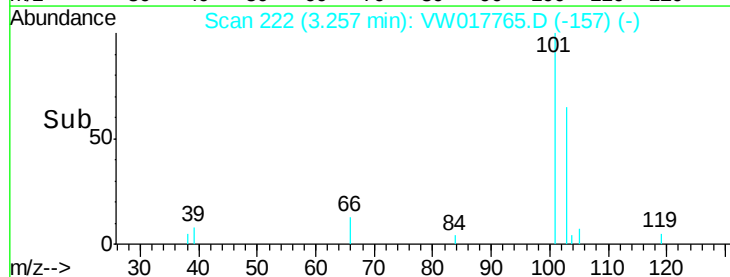
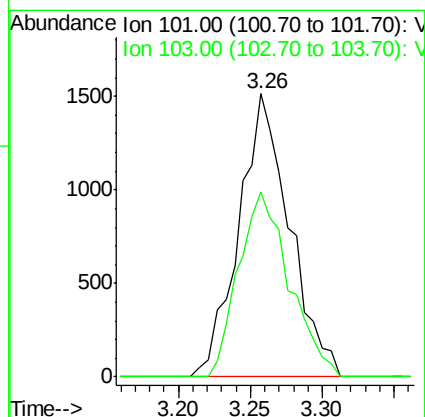
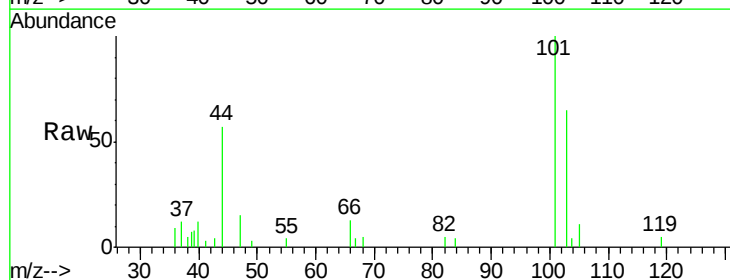
Acq: 28 Dec 2020 16:06

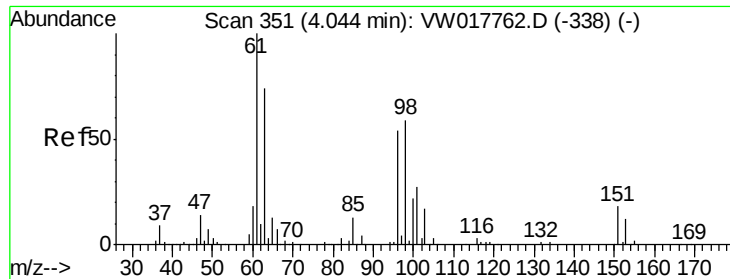
Tgt Ion: 101 Resp: 3703

Ion Ratio Lower Upper

101 100

103 65.6 51.8 77.8





#12

1,1-Dichloroethene

Concen: 0.739 ug/L

RT: 4.03 min Scan# 349

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

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ClientSampleId :

MDL-SOIL-QT1-2020-01

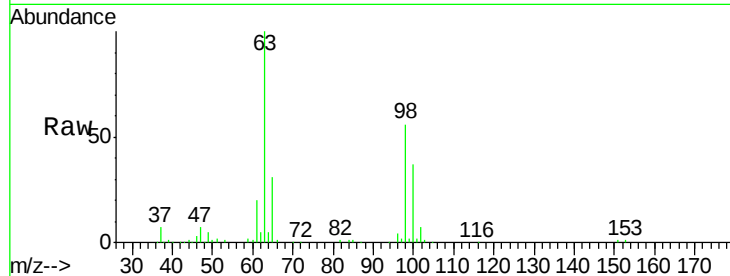
Tgt Ion: 96 Resp: 3094

Ion Ratio Lower Upper

96 100

61 466.4 123.7 229.7#

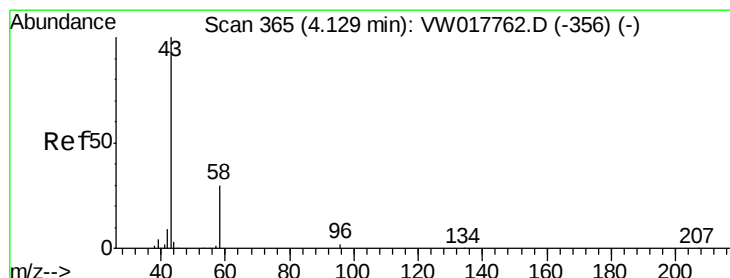
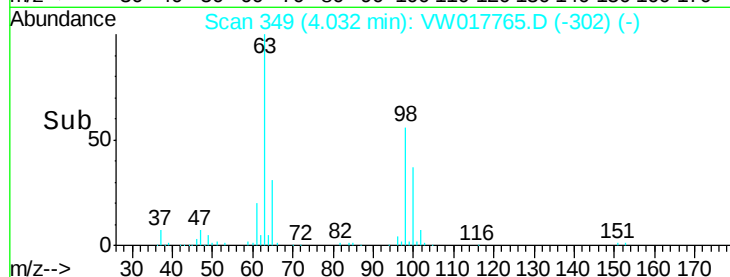
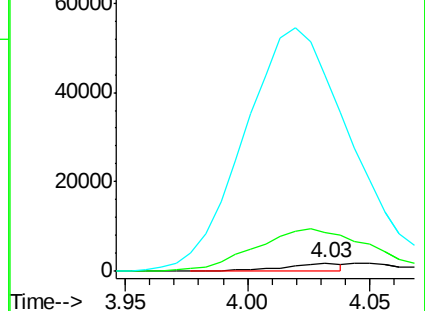
63 2379.2 96.6 179.4#



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: 1.131 ug/L

RT: 4.12 min Scan# 363

Delta R.T. -0.01 min

Lab File: VW017765.D

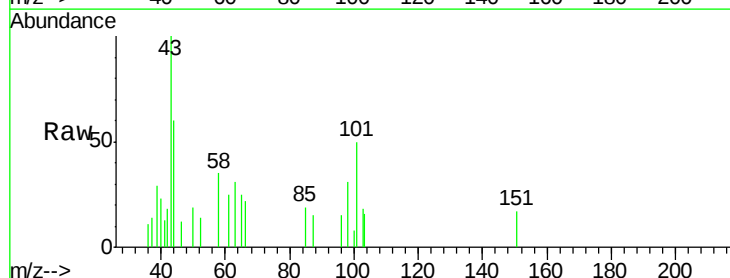
Acq: 28 Dec 2020 16:06

Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

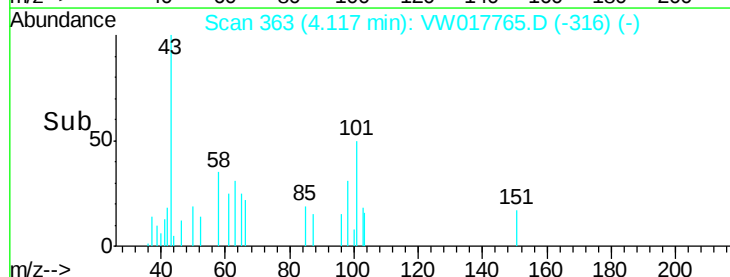
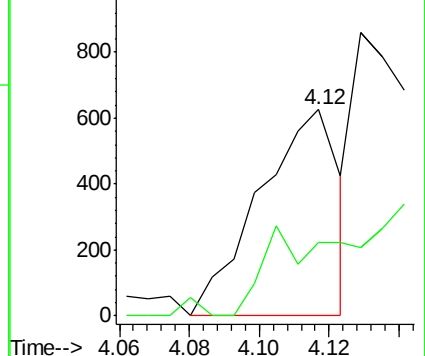
43 100

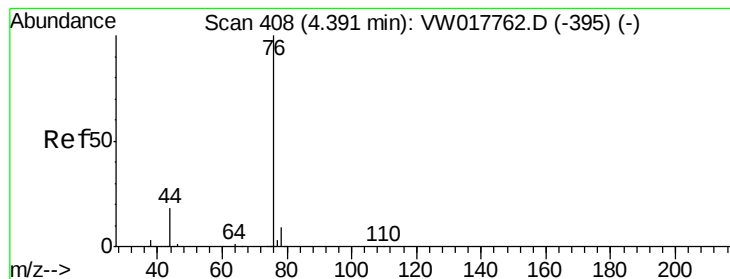
58 24.1 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#14

Carbon disulfide

Concen: 1.125 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

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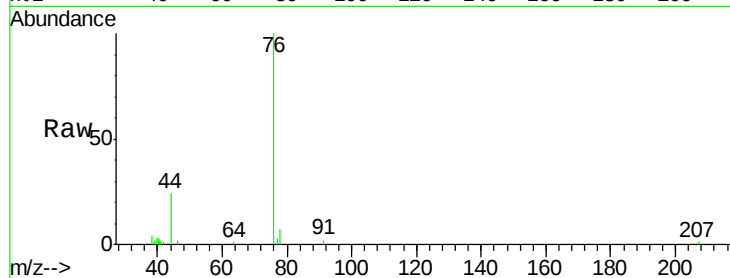
MDL-SOIL-QT1-2020-01

Tgt Ion: 76 Resp: 14596

Ion Ratio Lower Upper

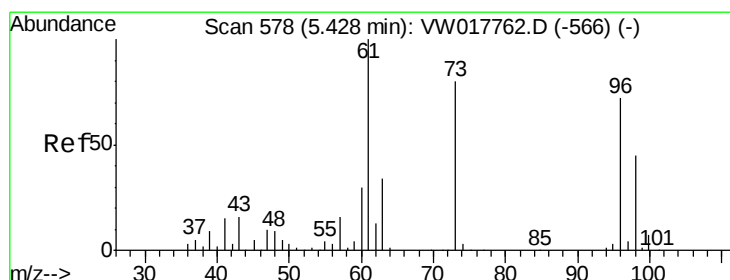
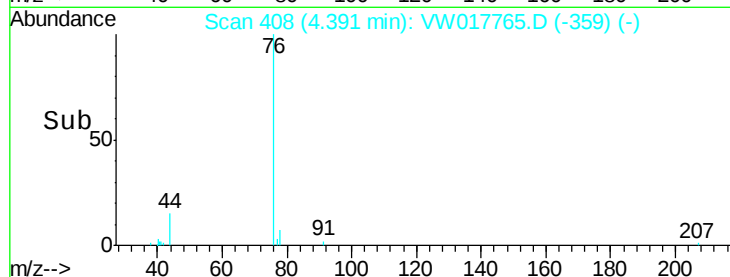
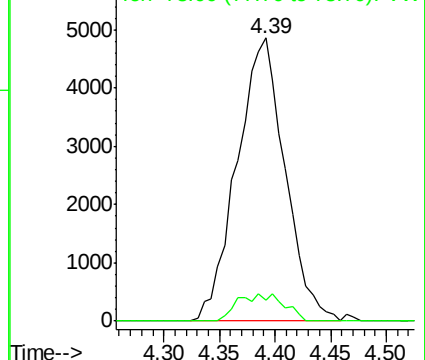
76 100

78 7.2 7.7 11.5#



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW



#17

trans-1,2-Dichloroethene

Concen: 1.246 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

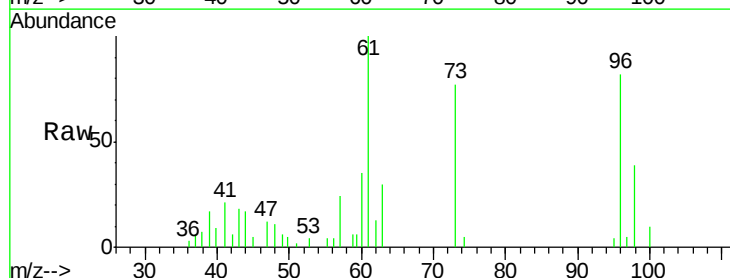
Tgt Ion: 96 Resp: 5859

Ion Ratio Lower Upper

96 100

61 122.0 96.0 178.4

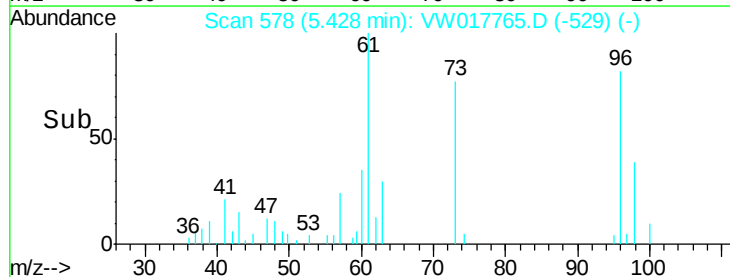
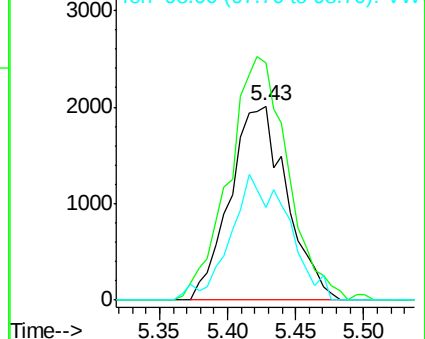
98 47.4 44.9 83.3

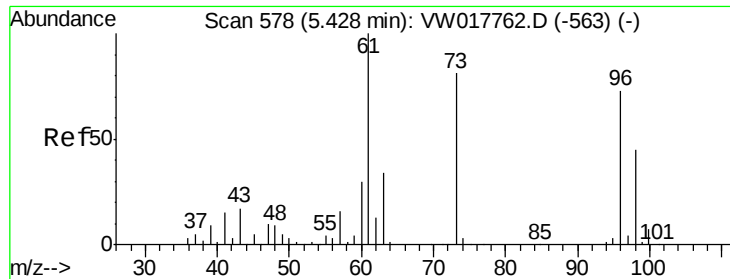


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 98.00 (97.70 to 98.70): VW

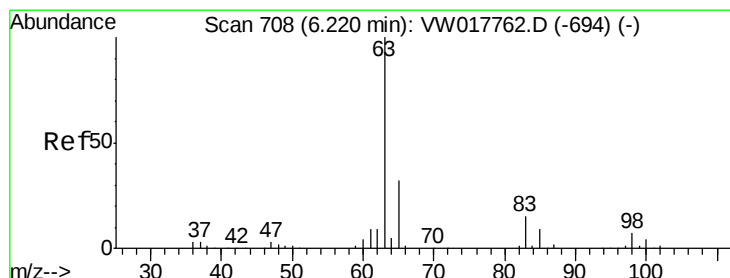
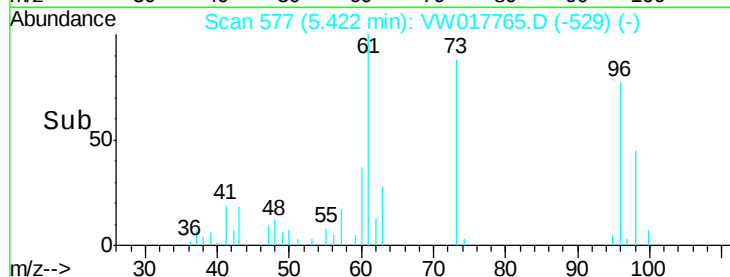
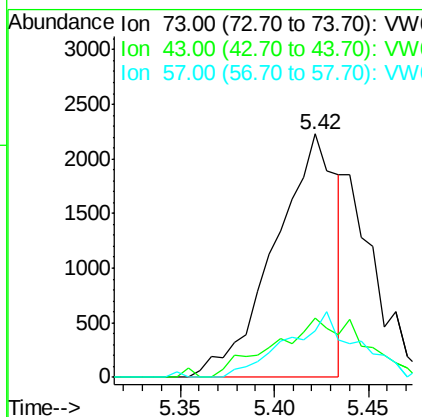
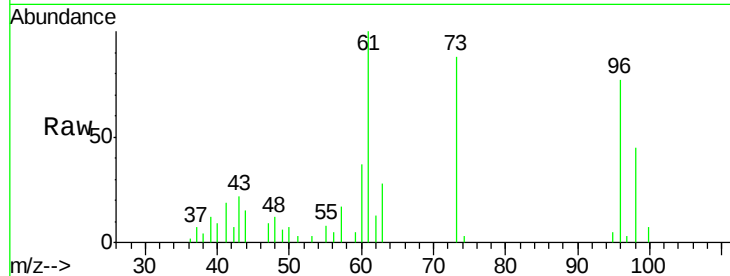




#18
Methyl tert-butyl Ether
Concen: 0.828 ug/L
RT: 5.42 min Scan# 577
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

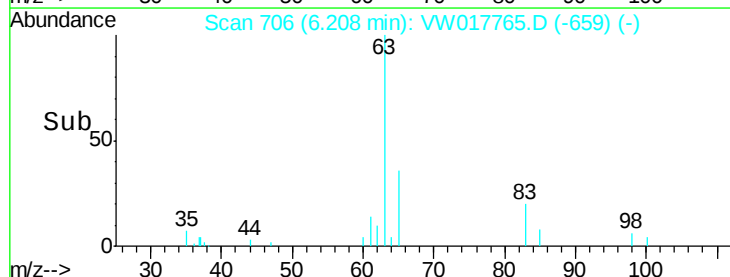
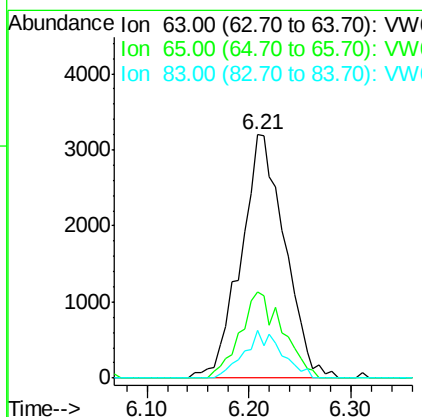
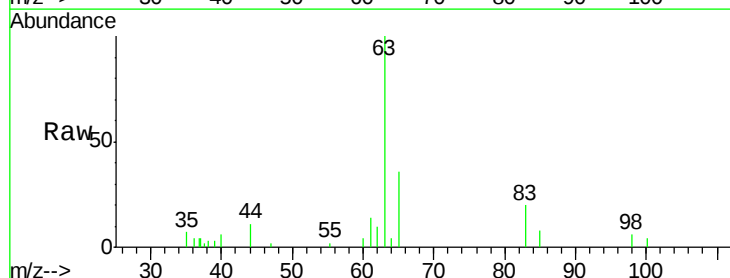
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

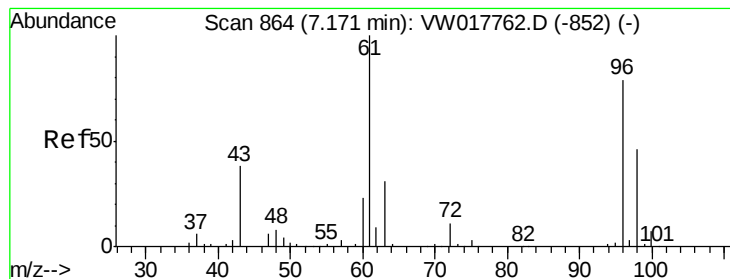
Tgt Ion: 73 Resp: 5072
Ion Ratio Lower Upper
73 100
43 21.2 17.4 26.0
57 4.9 16.9 25.3#



#19
1,1-Dichloroethane
Concen: 1.163 ug/L
RT: 6.21 min Scan# 706
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 63 Resp: 9560
Ion Ratio Lower Upper
63 100
65 35.6 21.3 39.5
83 19.7 8.8 16.4#



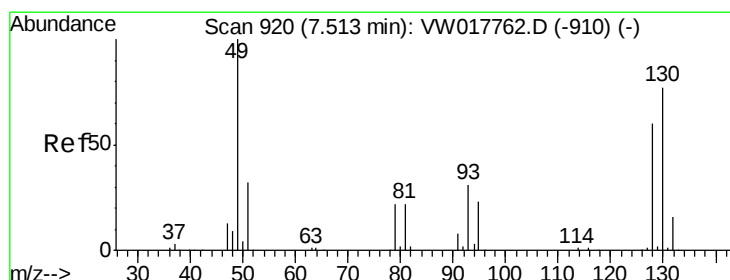
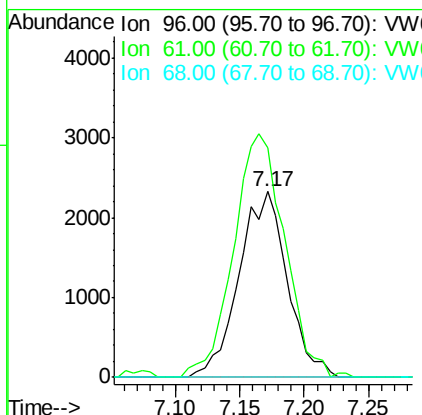
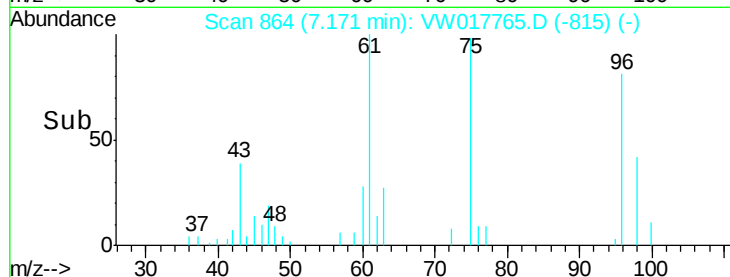
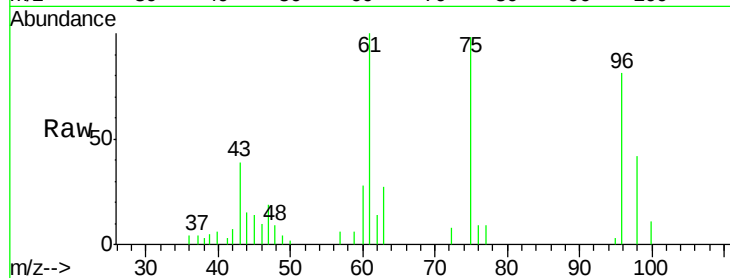


#20

cis-1,2-Dichloroethene
Concen: 1.200 ug/L
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

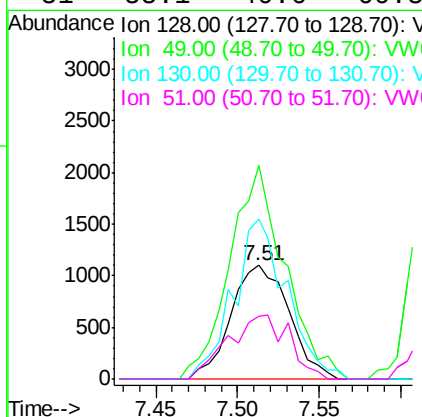
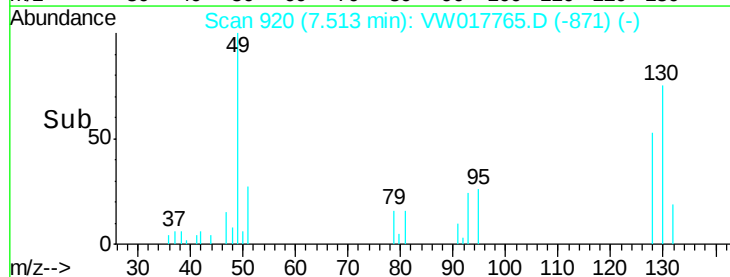
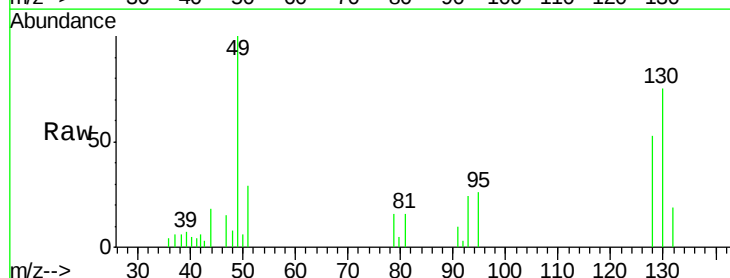
Tgt Ion: 96 Resp: 6045
Ion Ratio Lower Upper
96 100
61 123.1 91.6 170.2
68 0.0 0.0 0.0

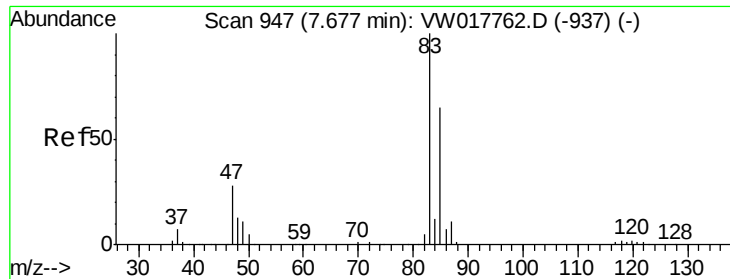


#23

Bromochloromethane
Concen: 1.197 ug/L
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 128 Resp: 2722
Ion Ratio Lower Upper
128 100
49 187.5 111.2 206.6
130 140.9 91.9 170.7
51 55.1 40.6 60.8

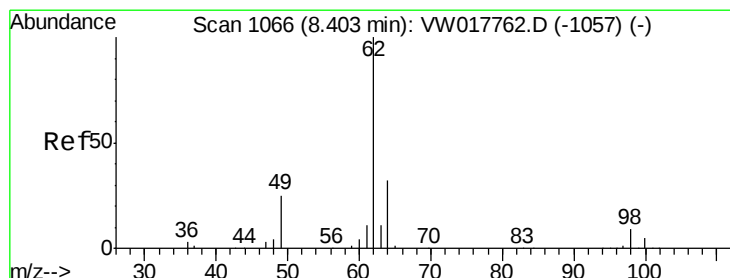
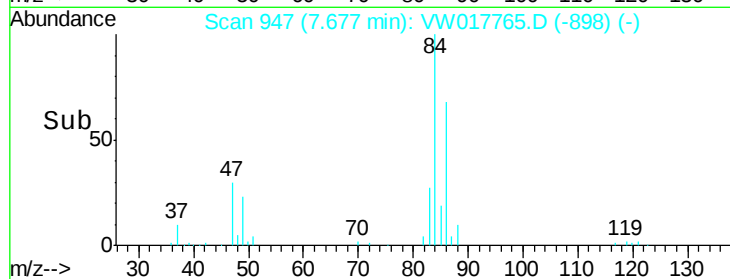
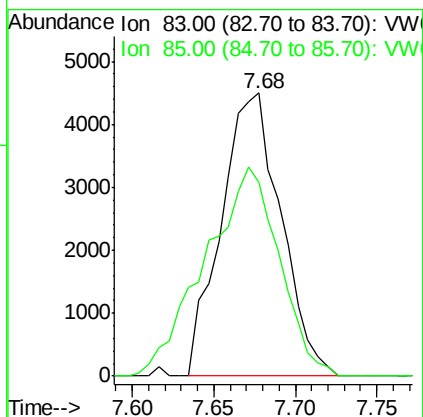
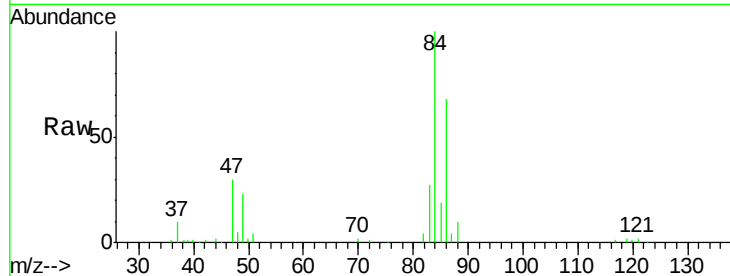




#25
Chloroform
Concen: 1.319 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

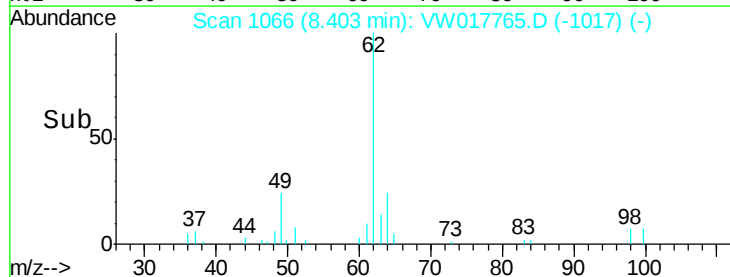
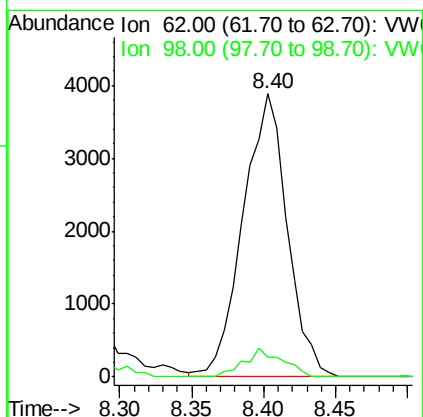
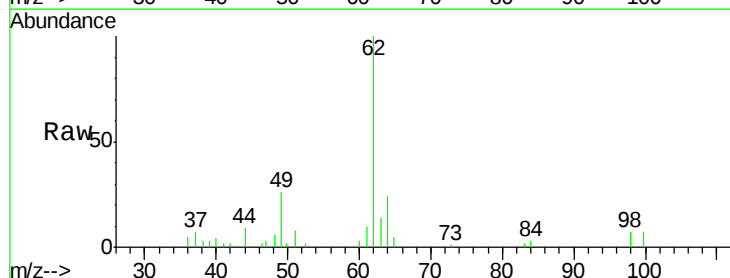
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

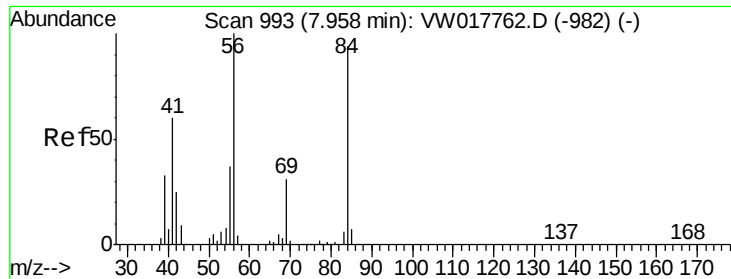
Tgt Ion: 83 Resp: 11466
Ion Ratio Lower Upper
83 100
85 68.7 43.6 81.0



#27
1,2-Dichloroethane
Concen: 1.367 ug/L
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 62 Resp: 8274
Ion Ratio Lower Upper
62 100
98 6.8 6.8 10.2

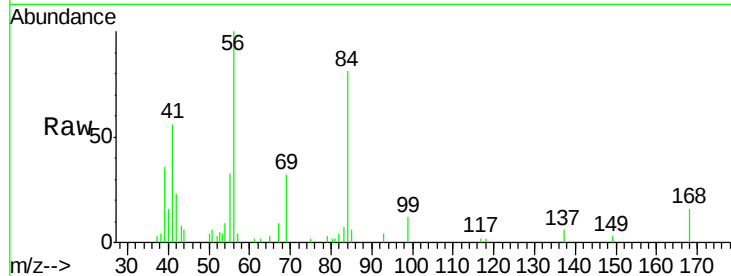




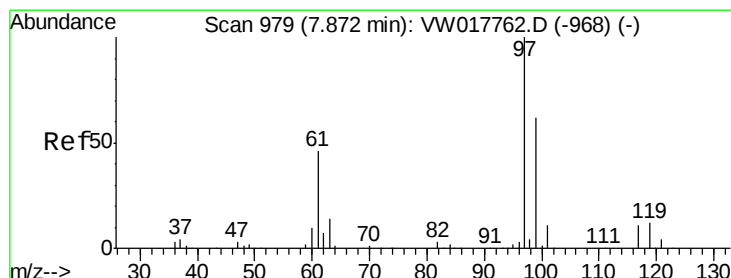
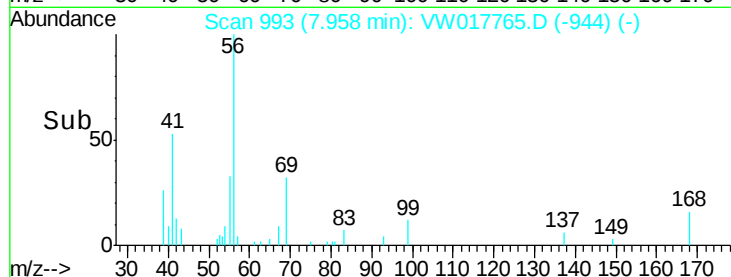
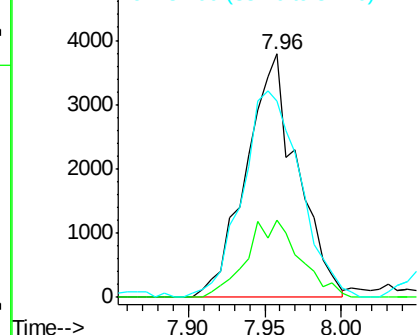
#29
Cyclohexane
Concen: 1.168 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

Tgt Ion: 56 Resp: 8803
Ion Ratio Lower Upper
56 100
69 15.5 25.4 38.2#
84 96.5 74.3 111.5

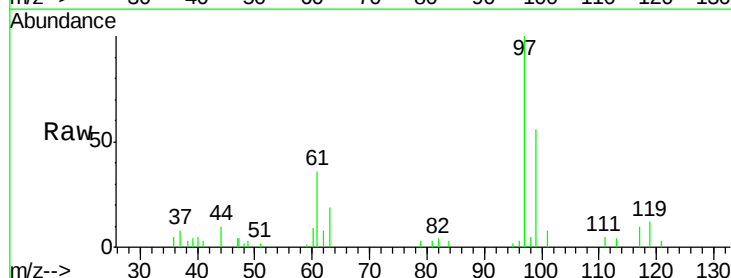


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

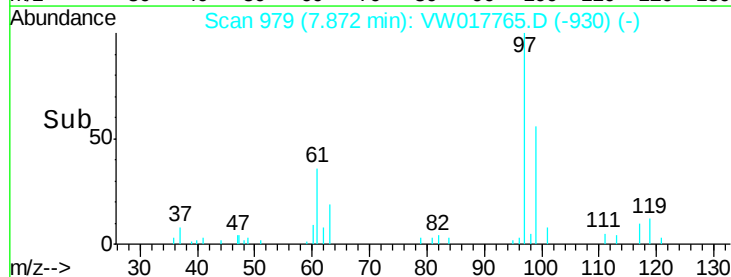
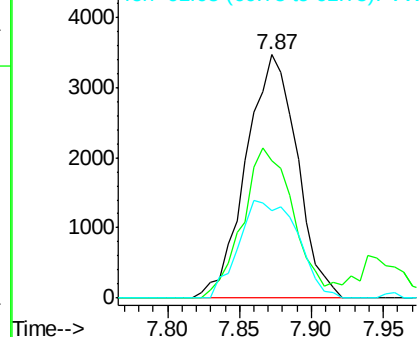


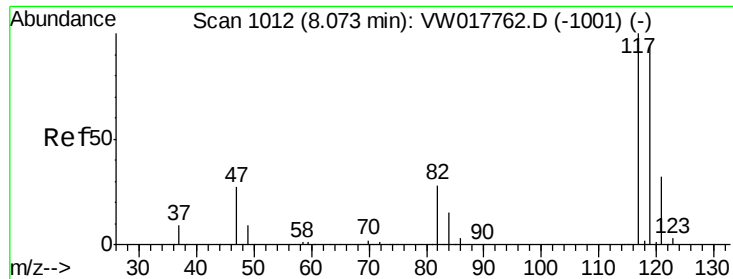
#30
1,1,1-Trichloroethane
Concen: 1.168 ug/L
RT: 7.87 min Scan# 979
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 97 Resp: 8513
Ion Ratio Lower Upper
97 100
99 60.7 50.6 75.8
61 46.3 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW

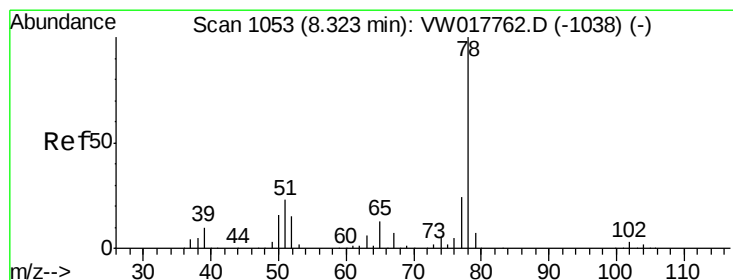
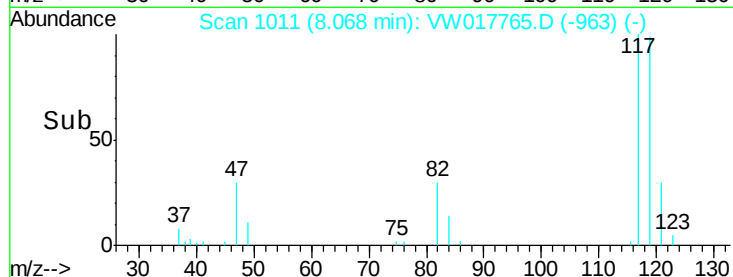
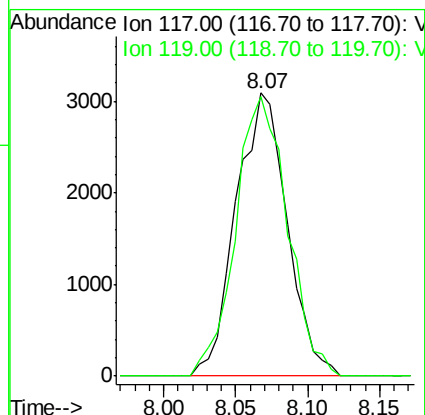
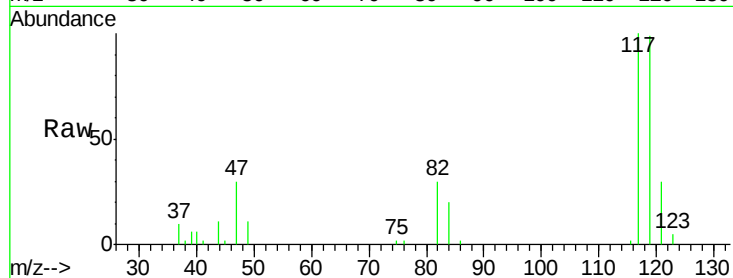




#31
Carbon tetrachloride
Concen: 1.097 ug/L
RT: 8.07 min Scan# 1011
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

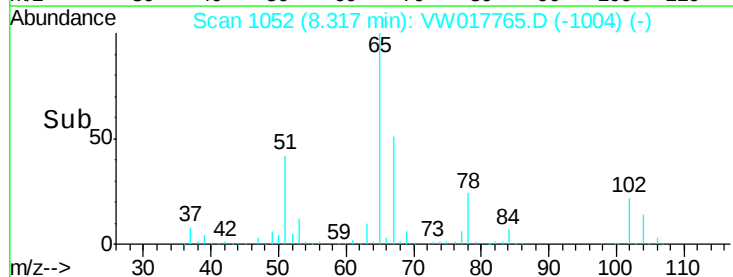
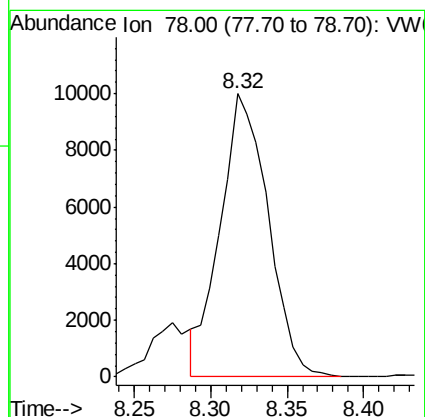
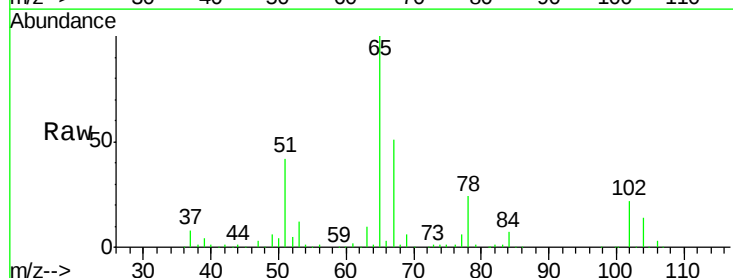
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

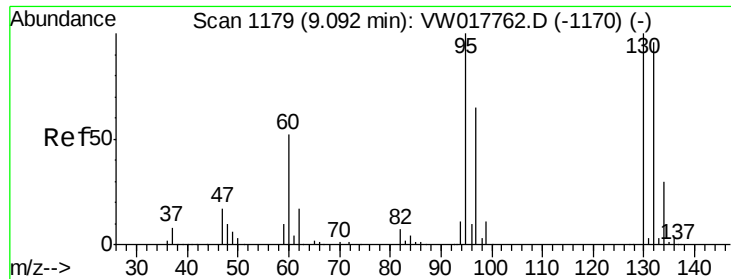
Tgt Ion:117 Resp: 7621
Ion Ratio Lower Upper
117 100
119 100.6 75.6 113.4



#33
Benzene
Concen: 1.169 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 78 Resp: 21701

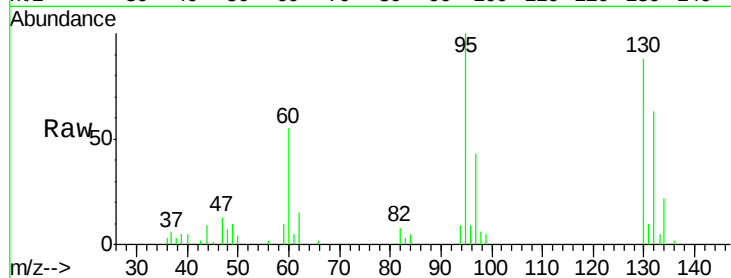




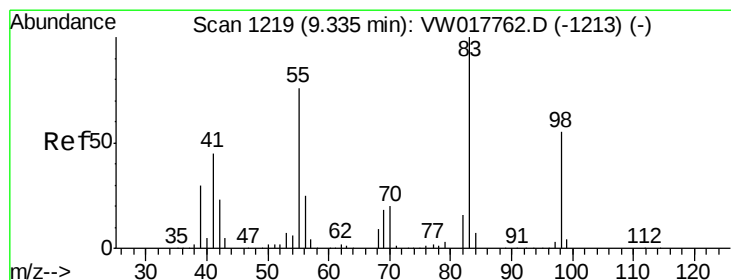
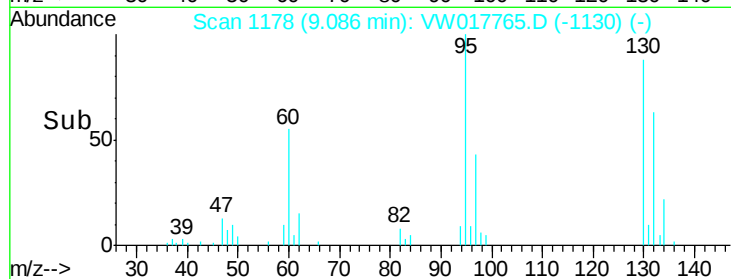
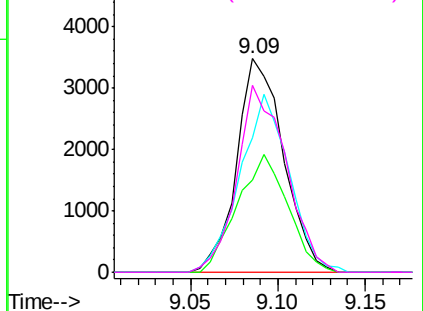
#34
 Trichloroethene
 Concen: 1.296 ug/L
 RT: 9.09 min Scan# 1178
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Tgt Ion: 95 Resp: 6520
 Ion Ratio Lower Upper
 95 100
 97 43.4 45.6 84.6#
 132 63.2 69.4 128.8#
 130 87.6 68.2 126.6

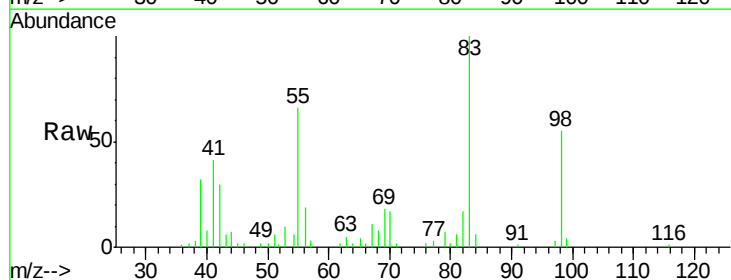


Abundance Ion 95.00 (94.70 to 95.70): VW
 Ion 97.00 (96.70 to 97.70): VW
 Ion 132.00 (131.70 to 132.70): V
 Ion 130.00 (129.70 to 130.70): V

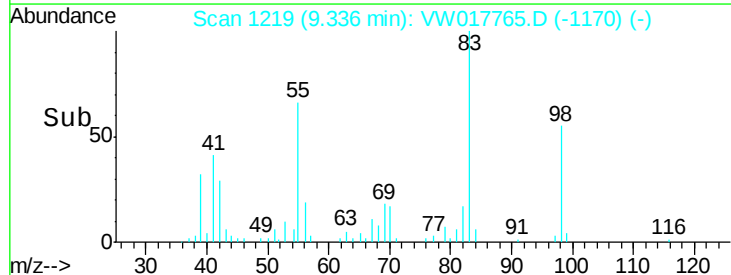
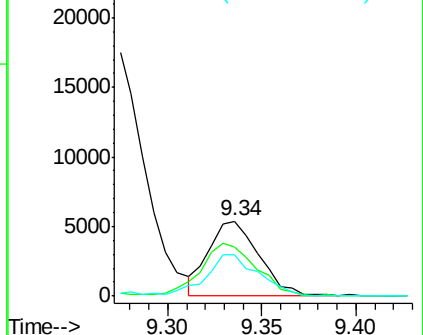


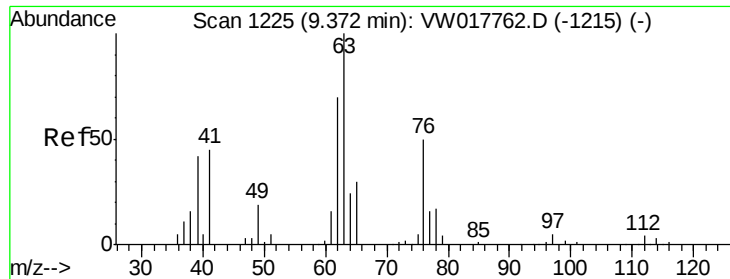
#35
 Methylcyclohexane
 Concen: 1.164 ug/L
 RT: 9.34 min Scan# 1219
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion: 83 Resp: 10020
 Ion Ratio Lower Upper
 83 100
 55 78.5 58.6 88.0
 98 56.5 40.5 60.7



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

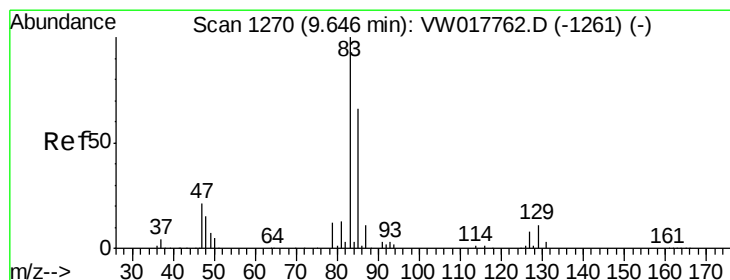
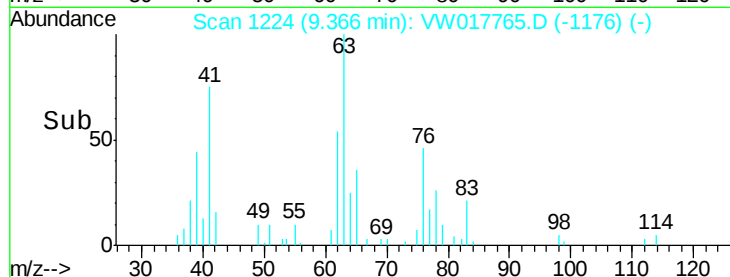
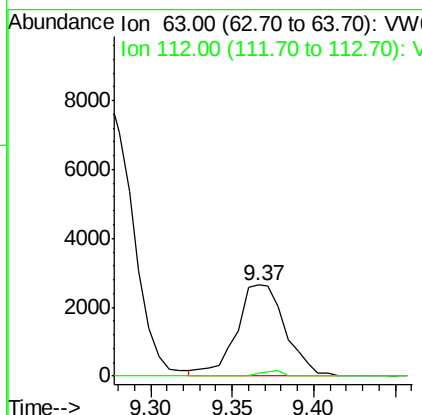
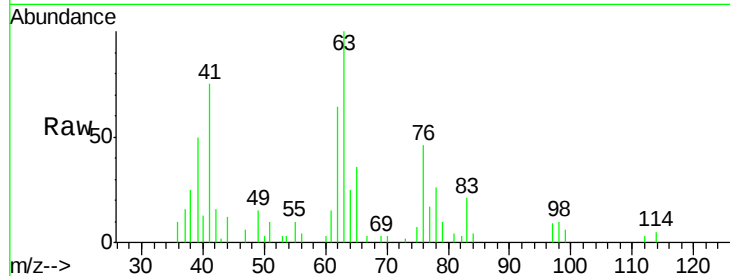




#37
 1,2-Dichloropropane
 Concen: 1.224 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

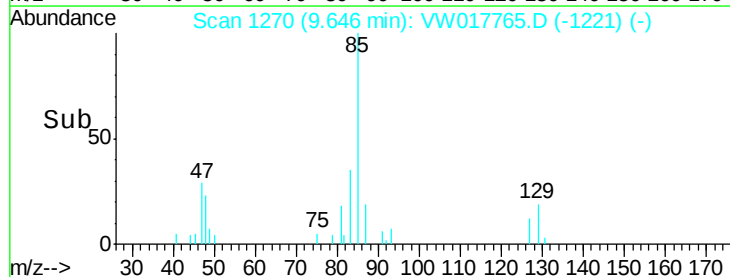
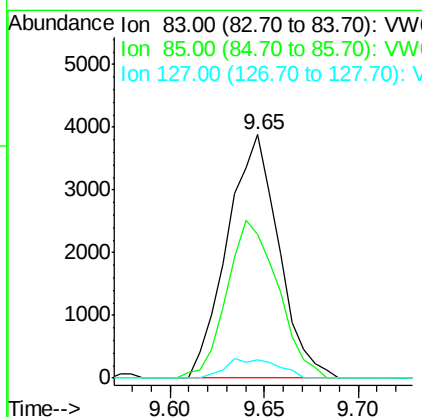
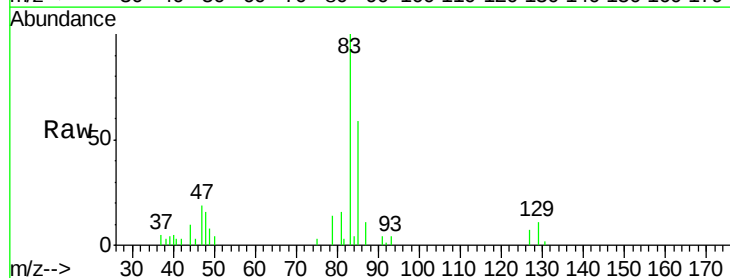
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

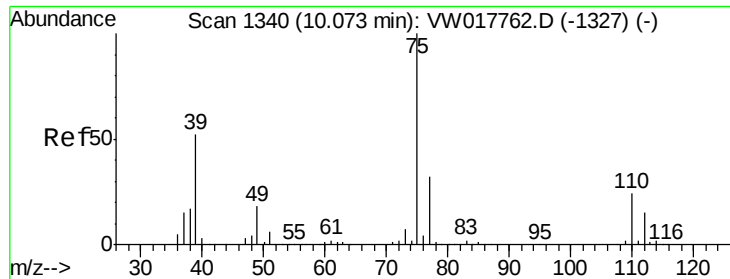
Tgt Ion: 63 Resp: 5508
 Ion Ratio Lower Upper
 63 100
 112 2.5 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 1.160 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion: 83 Resp: 7364
 Ion Ratio Lower Upper
 83 100
 85 59.2 43.0 80.0
 127 7.3 6.1 9.1

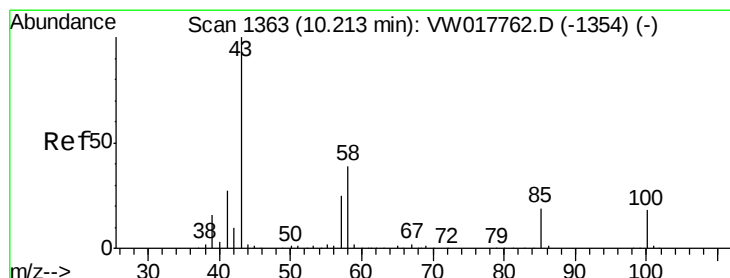
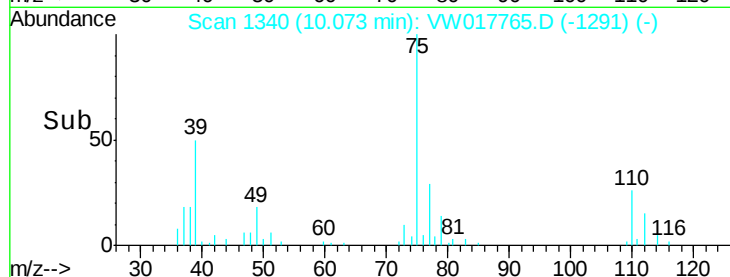
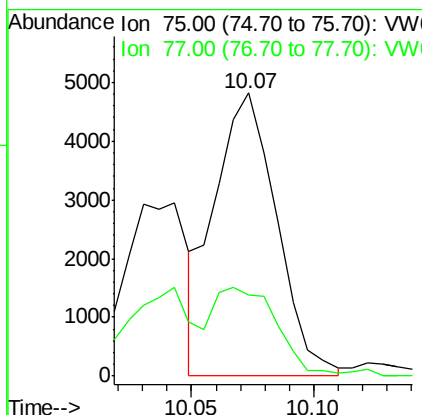
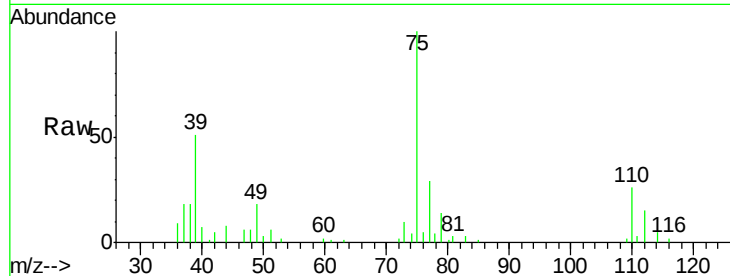




#39
 cis-1,3-Dichloropropene
 Concen: 1.148 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

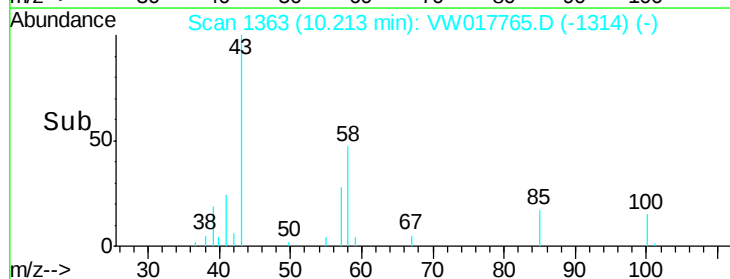
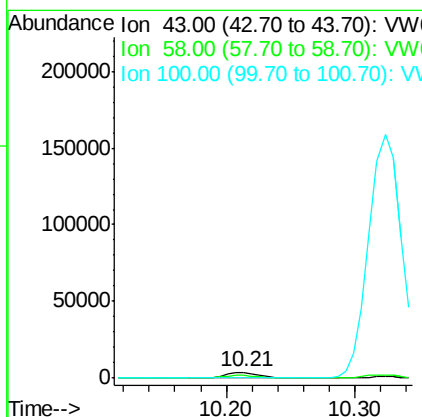
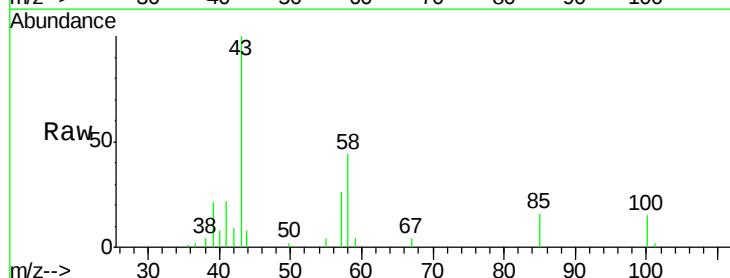
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

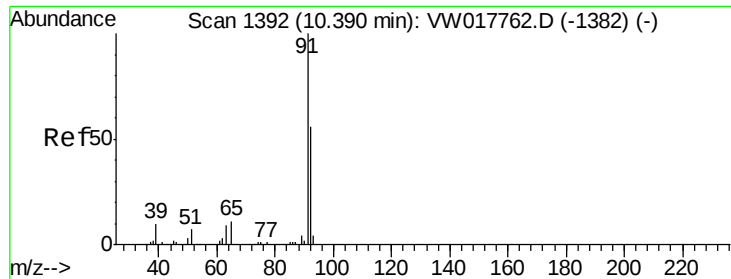
Tgt Ion: 75 Resp: 8489
 Ion Ratio Lower Upper
 75 100
 77 28.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 2.861 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion: 43 Resp: 7796
 Ion Ratio Lower Upper
 43 100
 58 42.4 30.3 45.5
 100 16.0 12.8 19.2





#42

Toluene

Concen: 1.180 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

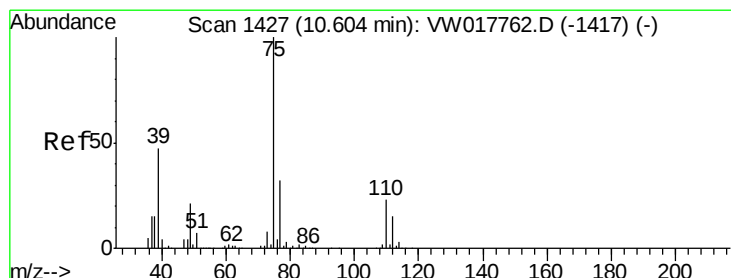
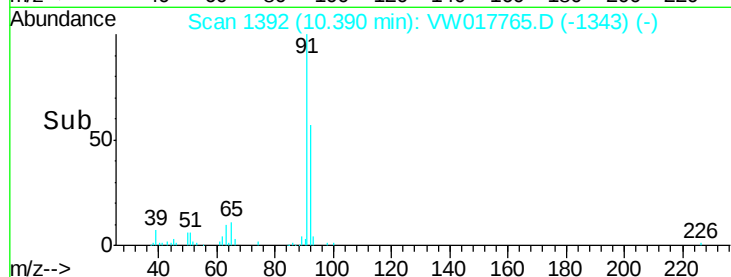
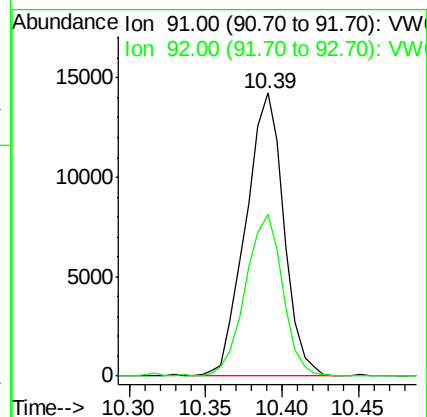
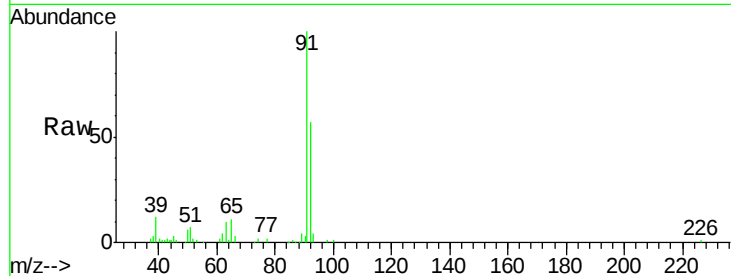
MDL-SOIL-QT1-2020-01

Tgt Ion: 91 Resp: 24676

Ion Ratio Lower Upper

91 100

92 57.2 40.3 74.9



#44

trans-1,3-Dichloropropene

Concen: 1.708 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017765.D

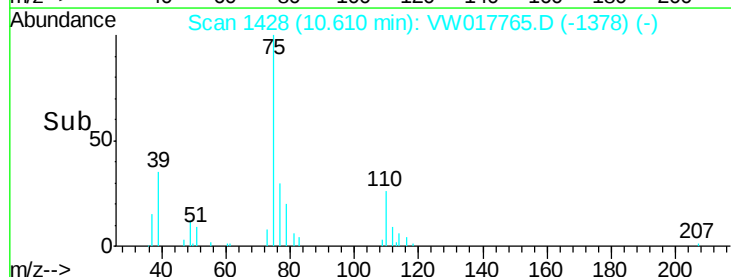
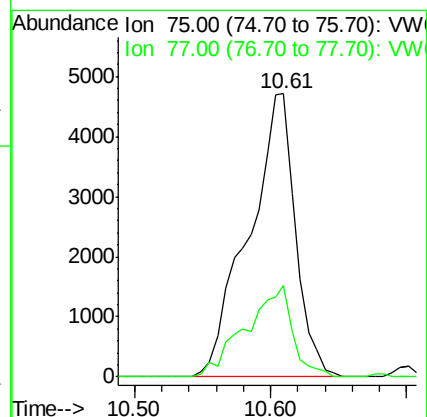
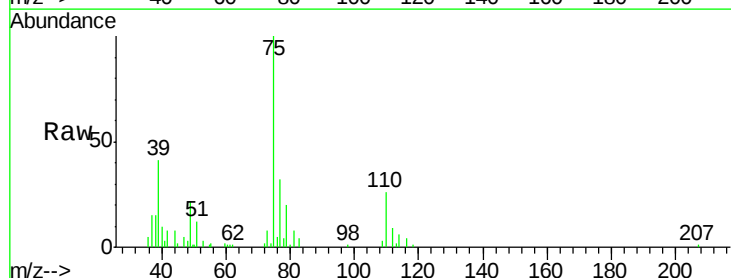
Acq: 28 Dec 2020 16:06

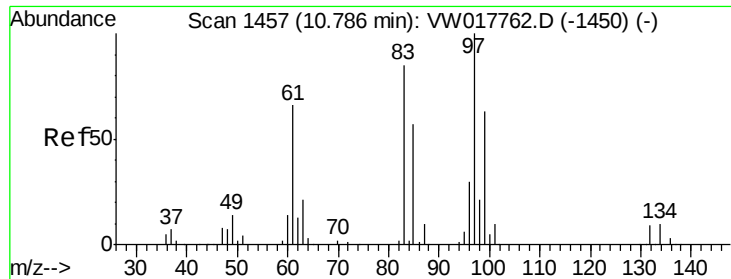
Tgt Ion: 75 Resp: 11346

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 1.281 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tgt Ion: 97 Resp: 4620

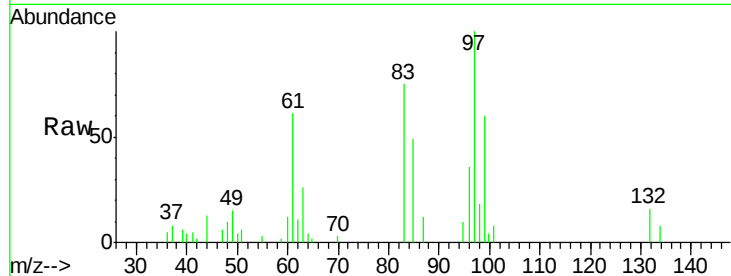
Ion Ratio Lower Upper

97 100

99 59.7 44.0 81.8

83 75.3 59.1 109.9

85 49.3 38.9 72.3



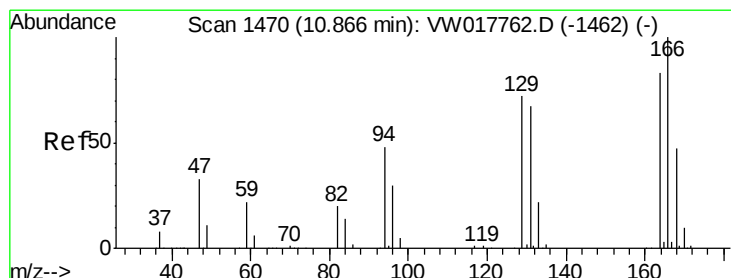
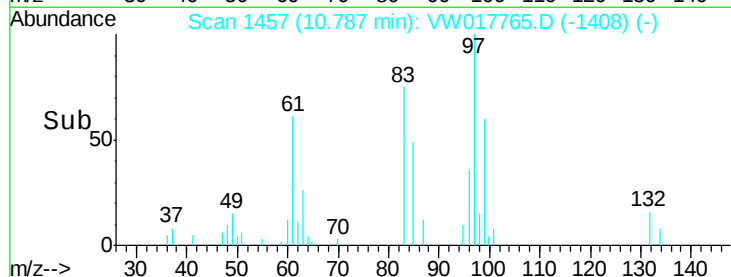
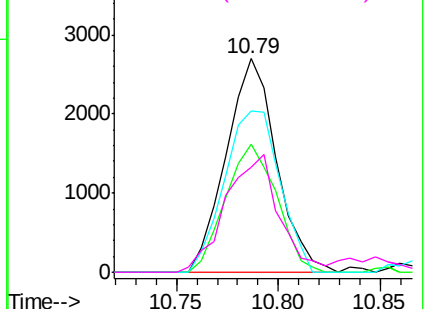
Abundance

Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 1.216 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Tgt Ion: 164 Resp: 4727

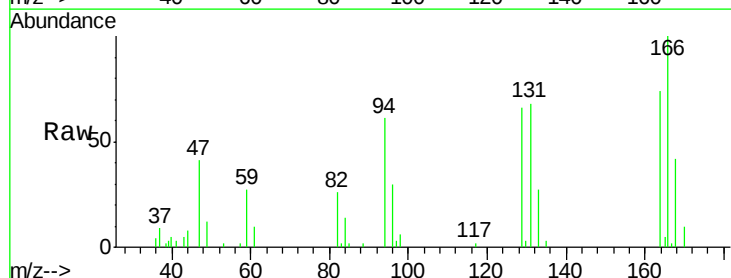
Ion Ratio Lower Upper

164 100

129 92.4 63.3 117.7

131 92.2 63.8 118.6

166 134.7 80.3 149.1



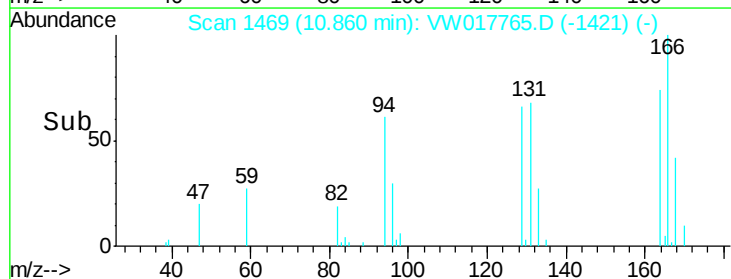
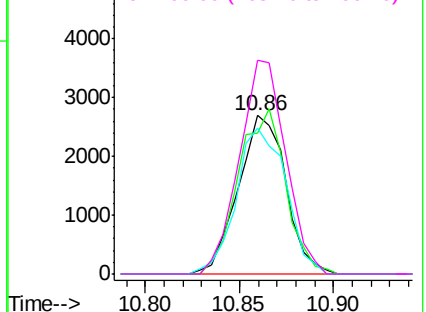
Abundance

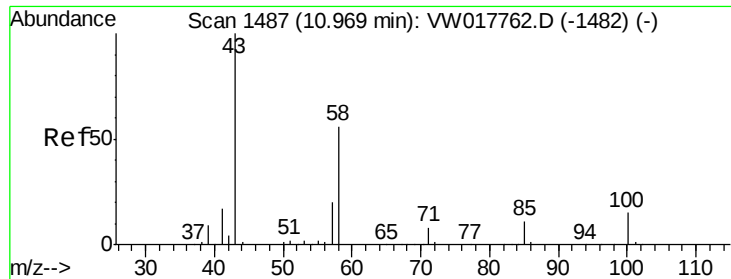
Ion 164.00 (163.70 to 164.70): V

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

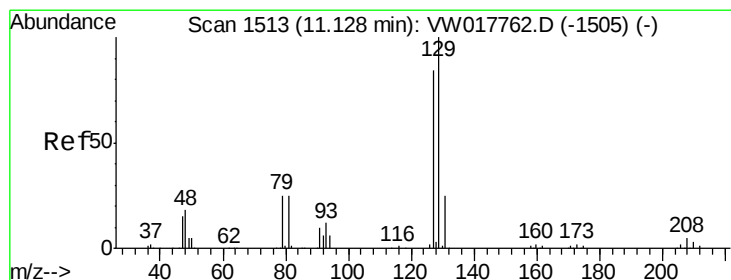
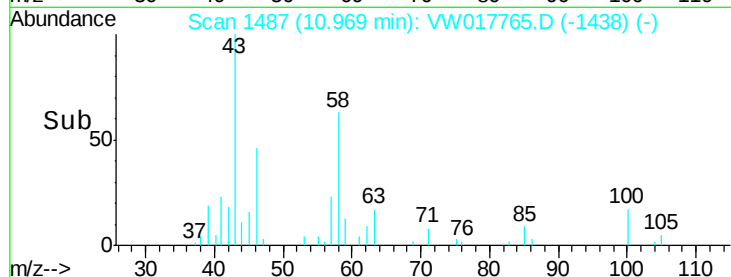
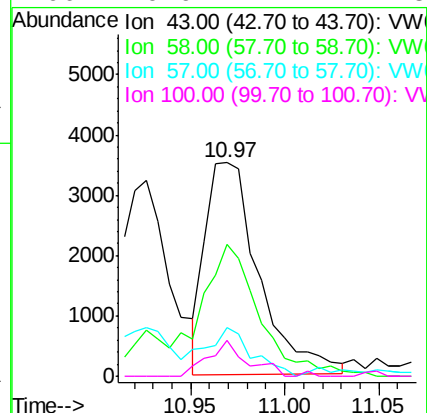
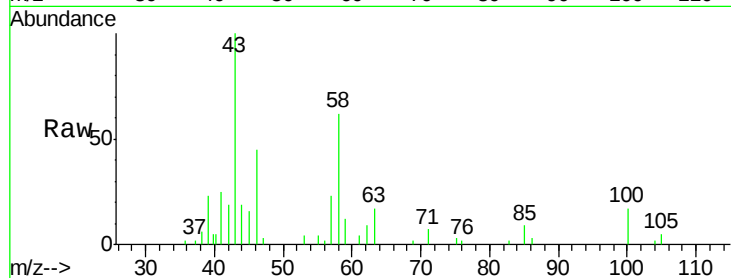




#48
2-Hexanone
Concen: 3.717 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

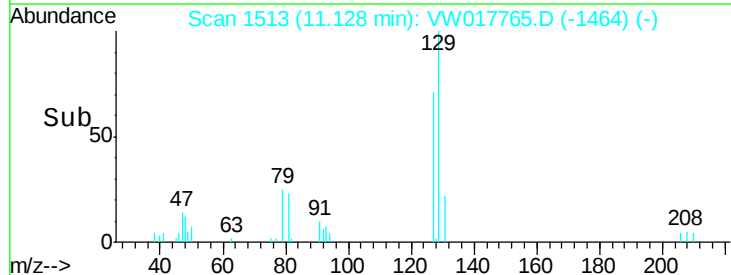
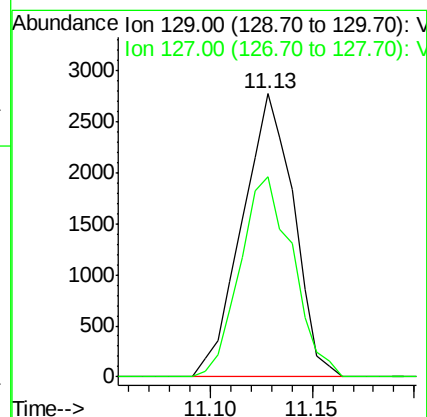
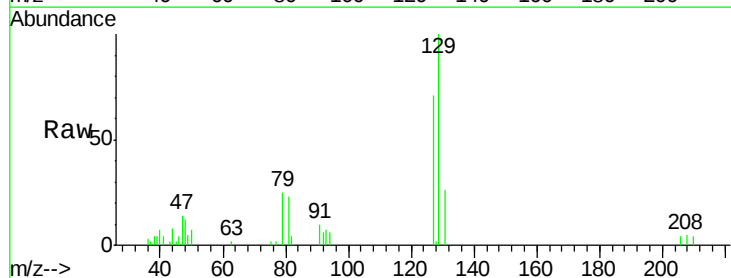
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

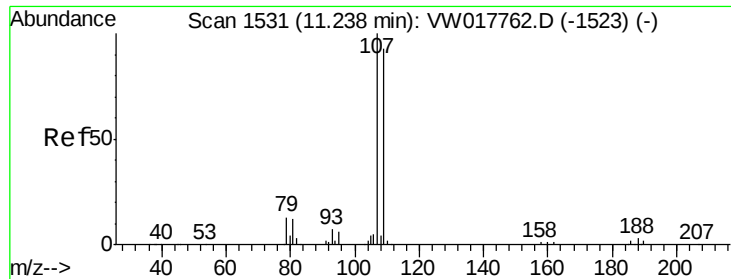
Tgt Ion: 43 Resp: 6930
Ion Ratio Lower Upper
43 100
58 53.6 46.8 70.2
57 15.7 14.6 22.0
100 9.9 11.7 17.5#



#49
Dibromochloromethane
Concen: 1.130 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 129 Resp: 4861
Ion Ratio Lower Upper
129 100
127 73.2 51.6 95.8

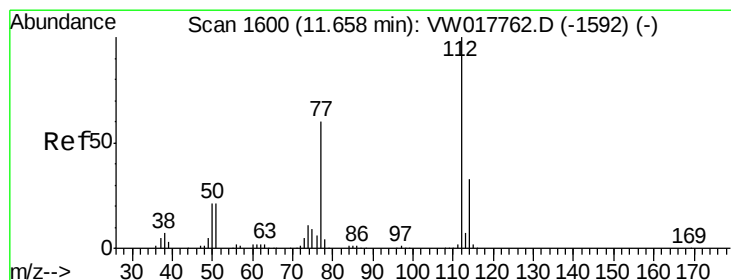
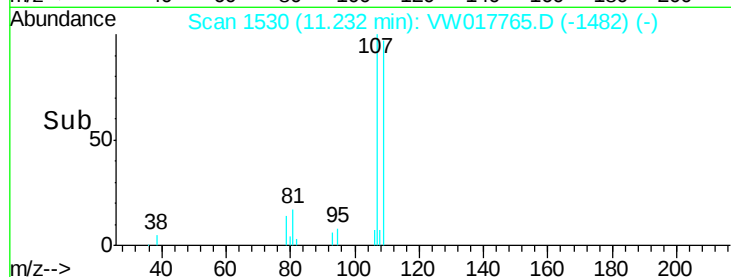
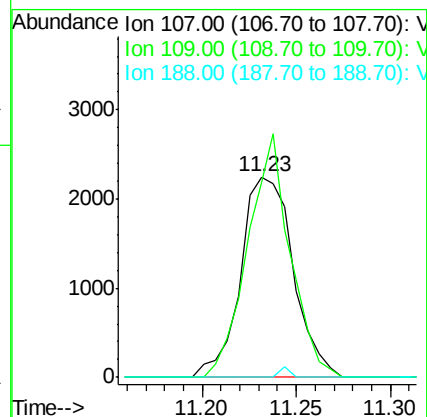
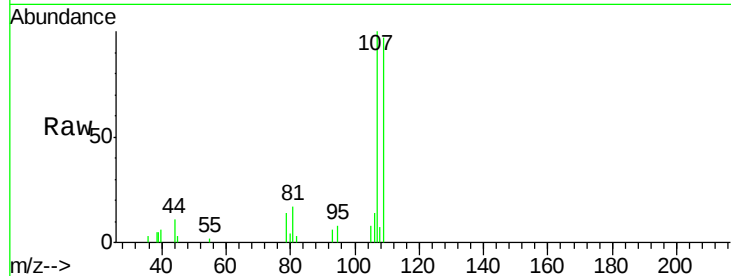




#50
1,2-Dibromoethane
Concen: 1.237 ug/L
RT: 11.23 min Scan# 1530
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

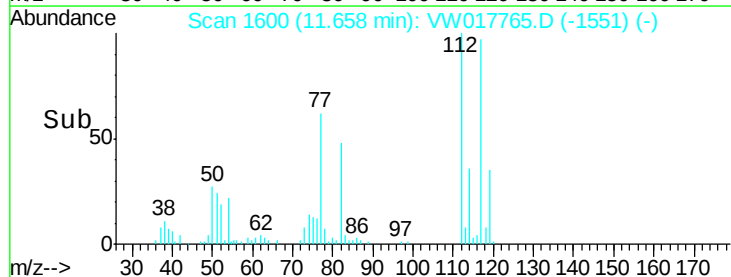
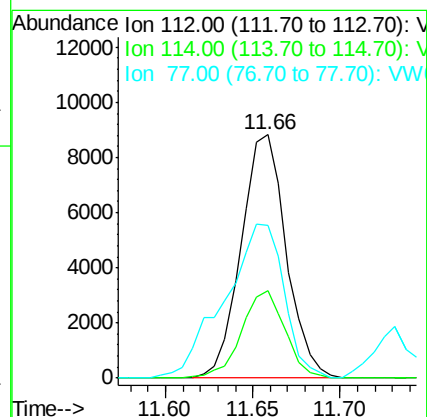
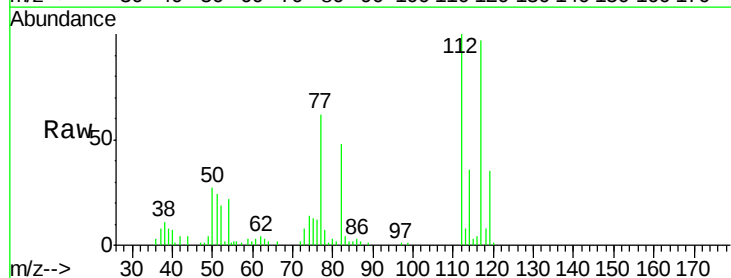
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

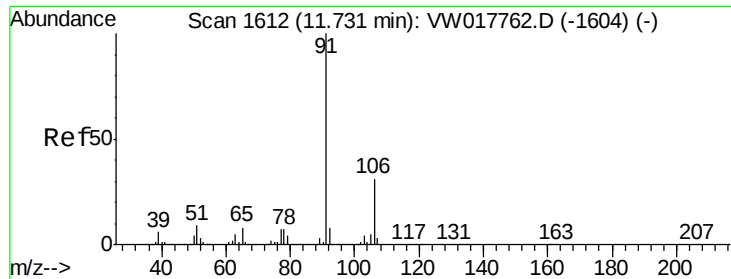
Tgt Ion:107 Resp: 4341
Ion Ratio Lower Upper
107 100
109 97.4 69.3 128.7
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 1.199 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion:112 Resp: 15866
Ion Ratio Lower Upper
112 100
114 36.0 22.3 41.3
77 62.5 45.8 68.6

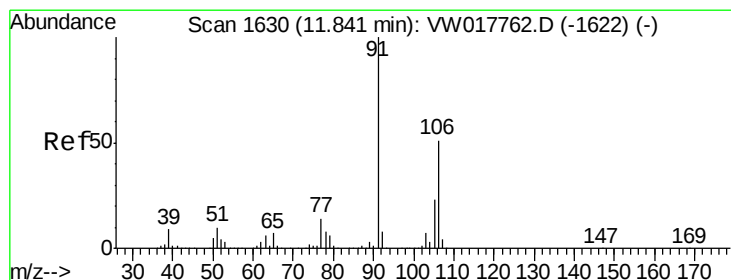
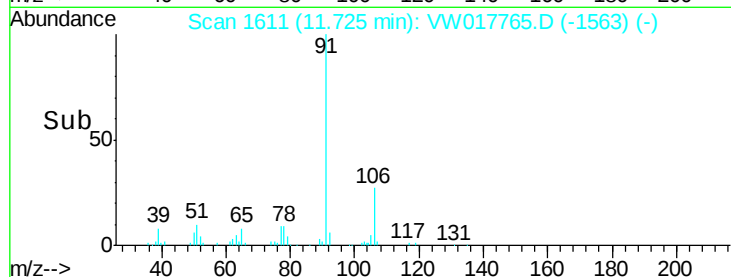
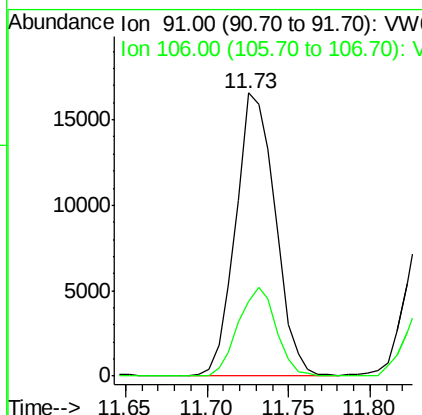
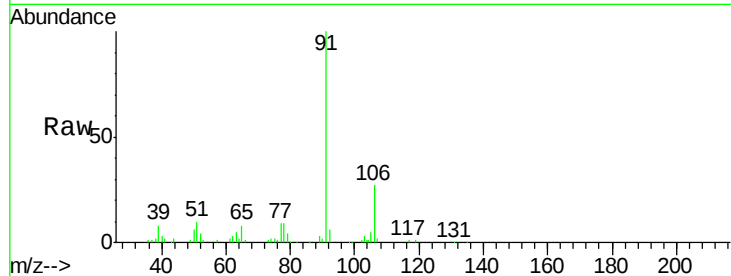




#52
Ethylbenzene
Concen: 1.190 ug/L
RT: 11.73 min Scan# 1611
Delta R.T. -0.01 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

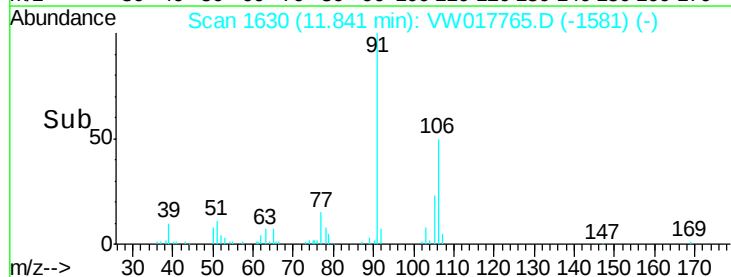
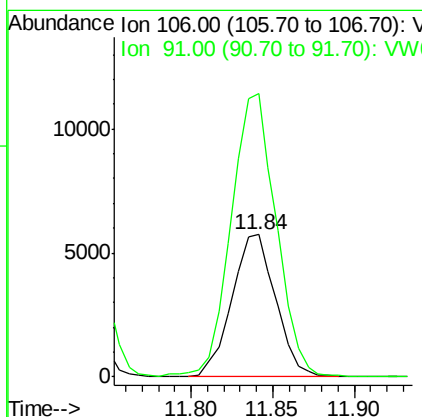
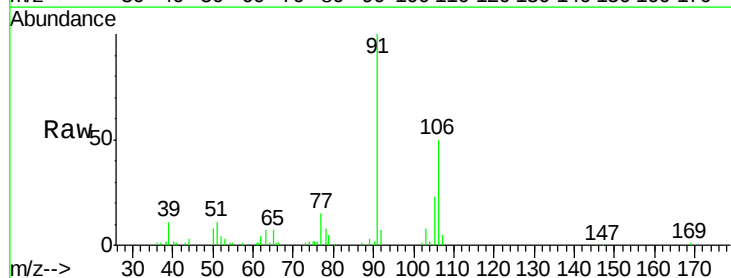
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

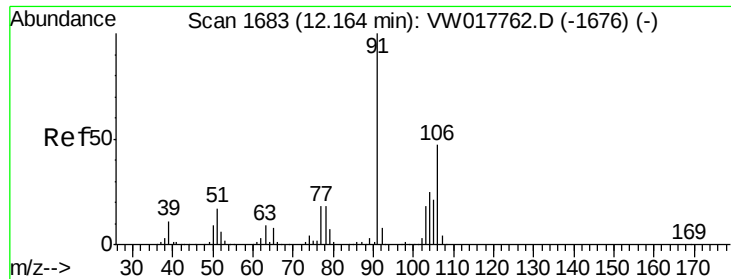
Tgt Ion: 91 Resp: 28132
Ion Ratio Lower Upper
91 100
106 26.6 22.7 42.1



#53
m,p-Xylene
Concen: 1.175 ug/L
RT: 11.84 min Scan# 1630
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion: 106 Resp: 10721
Ion Ratio Lower Upper
106 100
91 198.9 135.6 251.8

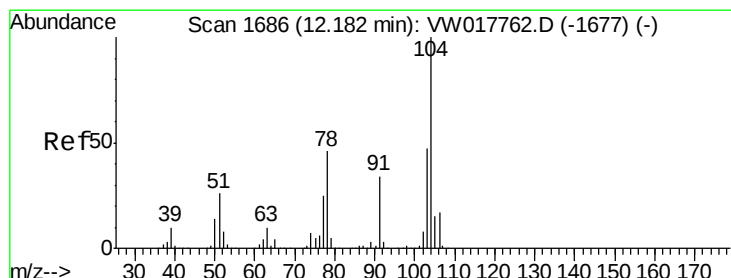
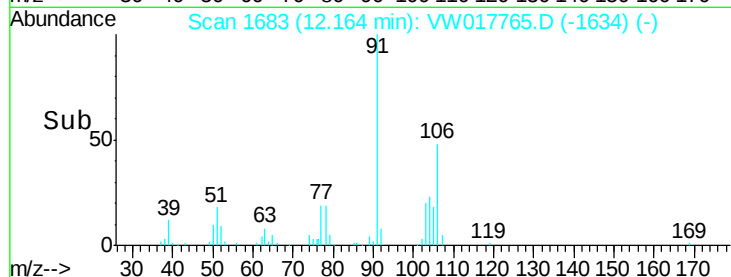
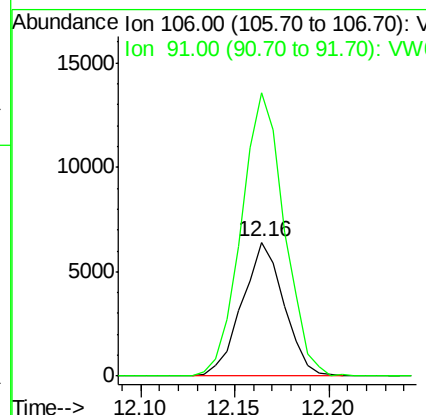
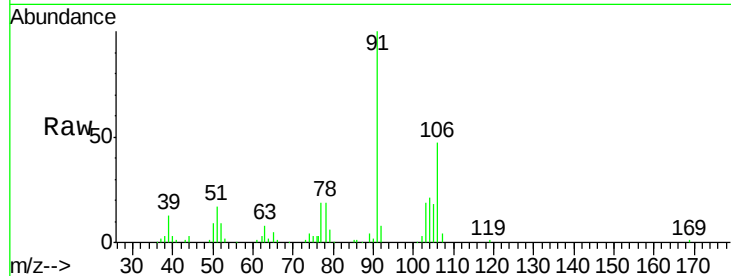




#54
o-Xylene
Concen: 1.138 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

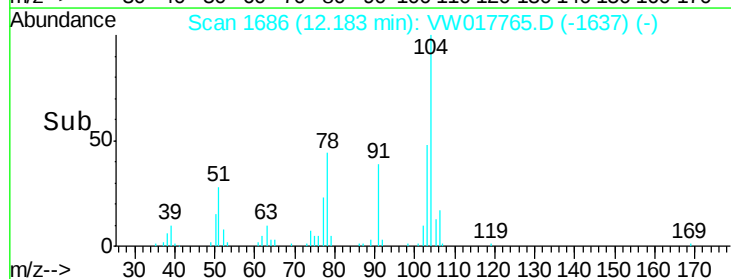
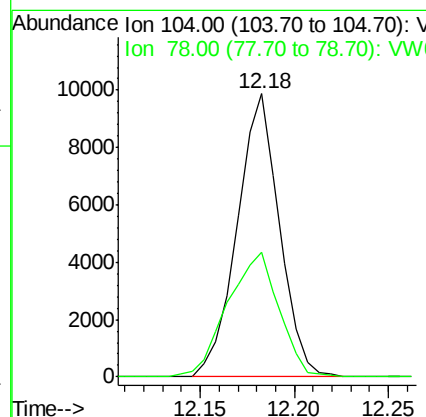
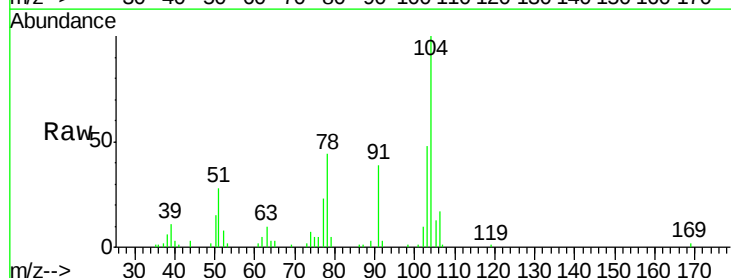
Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

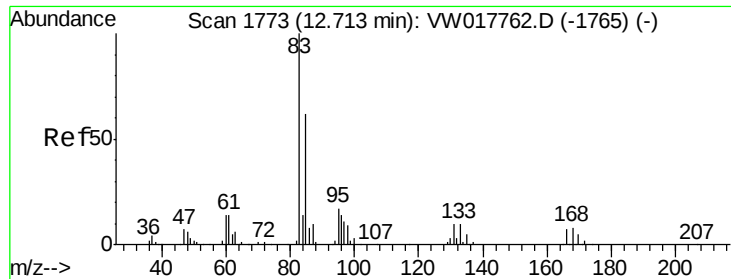
Tgt Ion:106 Resp: 9908
Ion Ratio Lower Upper
106 100
91 211.3 152.2 282.6



#55
Styrene
Concen: 1.031 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion:104 Resp: 15364
Ion Ratio Lower Upper
104 100
78 44.0 31.9 59.3

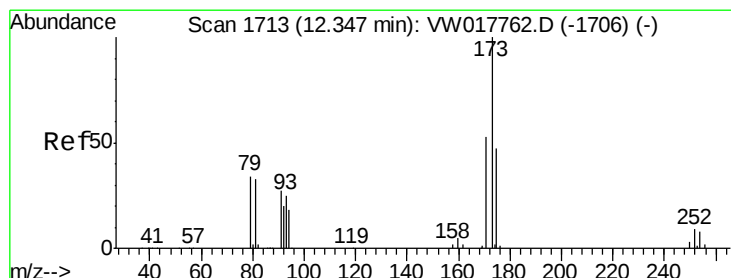
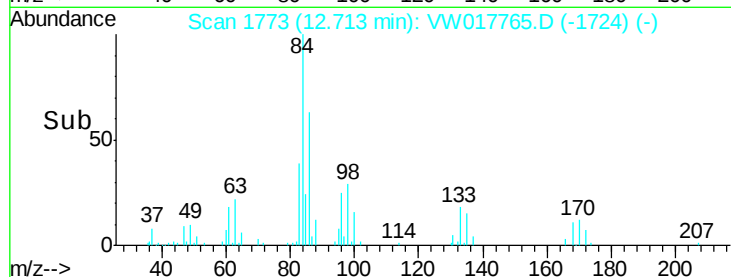
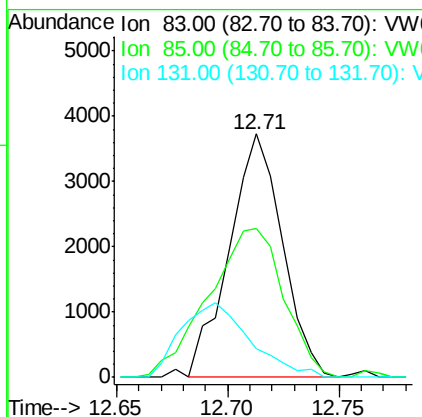
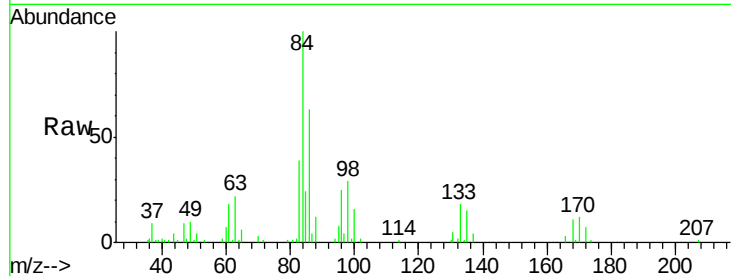




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.429 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

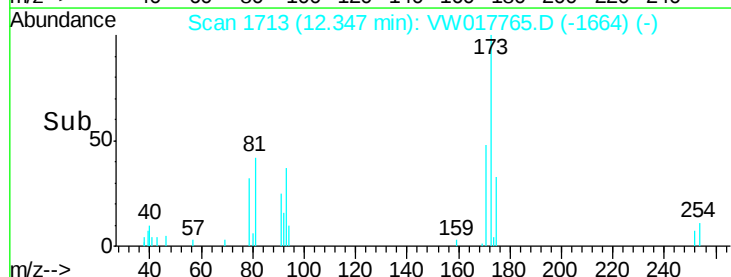
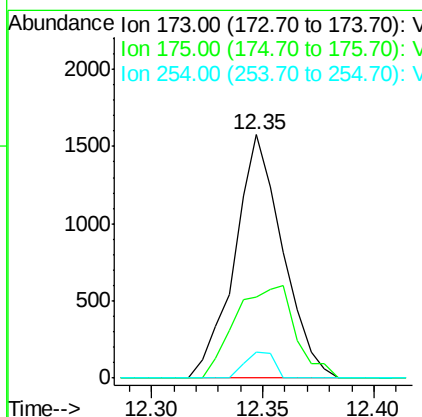
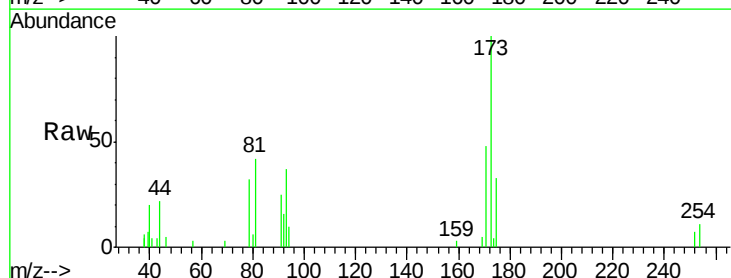
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

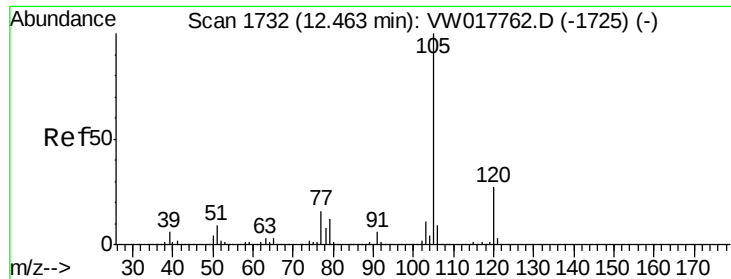
Tgt Ion: 83 Resp: 6193
 Ion Ratio Lower Upper
 83 100
 85 61.1 43.5 80.7
 131 12.0 8.2 12.2



#59
 Bromoform
 Concen: 1.032 ug/L
 RT: 12.35 min Scan# 1713
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion: 173 Resp: 2373
 Ion Ratio Lower Upper
 173 100
 175 47.5 38.0 57.0
 254 6.6 4.8 7.2





#60

Isopropylbenzene

Concen: 1.147 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT1-2020-01

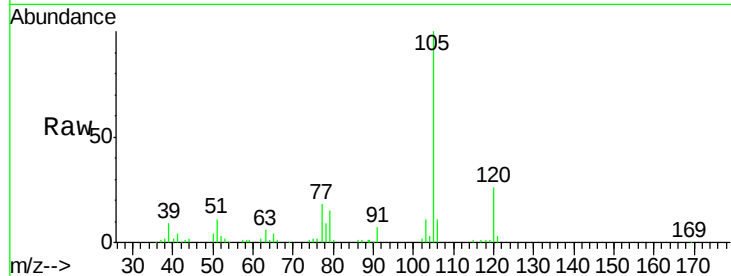
Tgt Ion: 105 Resp: 26552

Ion Ratio Lower Upper

105 100

120 25.8 21.2 31.8

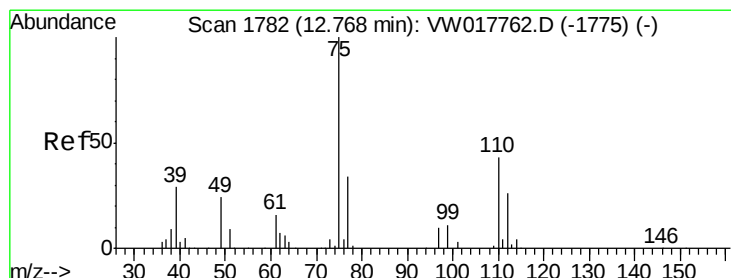
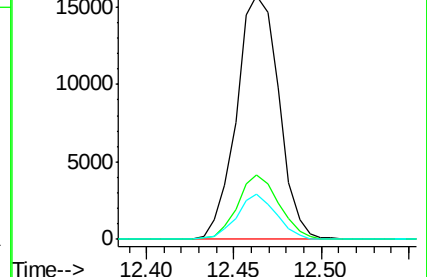
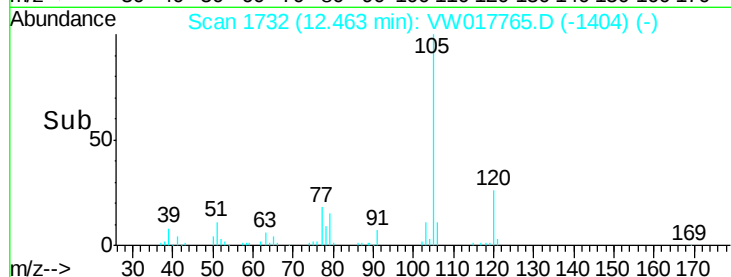
77 17.2 12.9 19.3



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



#61

1,2,3-Trichloropropane

Concen: 1.345 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

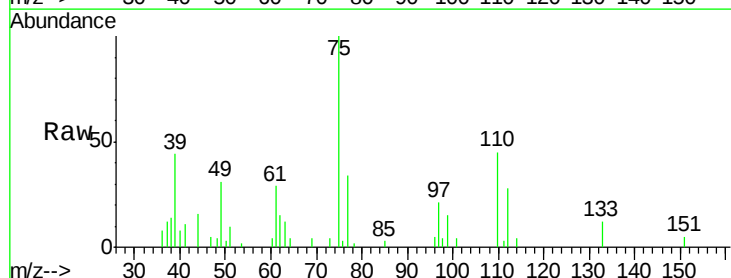
Tgt Ion: 75 Resp: 4306

Ion Ratio Lower Upper

75 100

77 48.6 25.7 38.5#

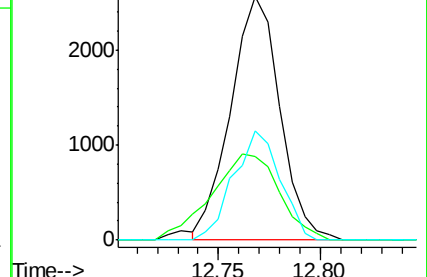
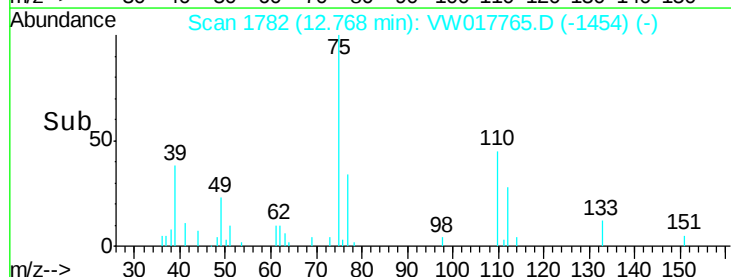
110 42.3 33.0 49.6

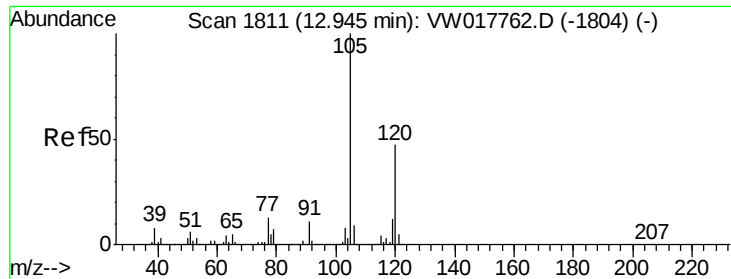


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

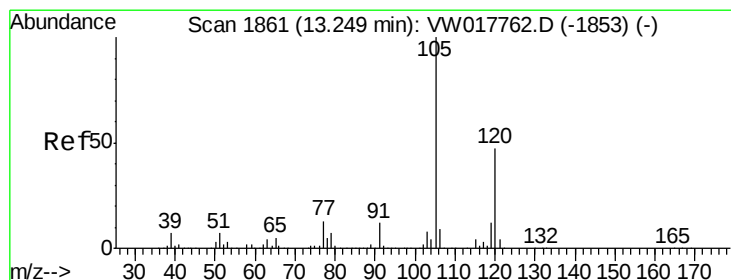
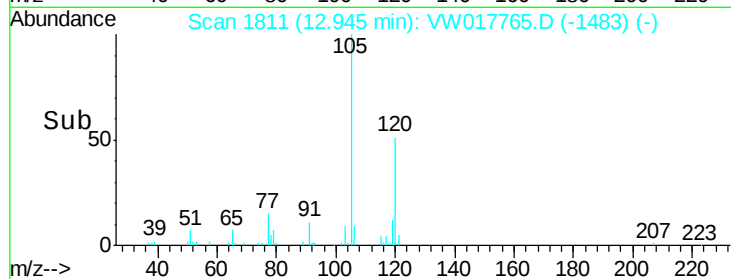
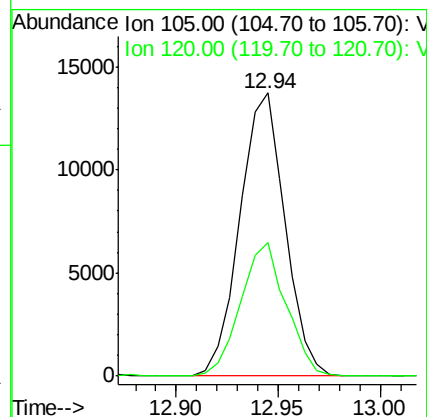
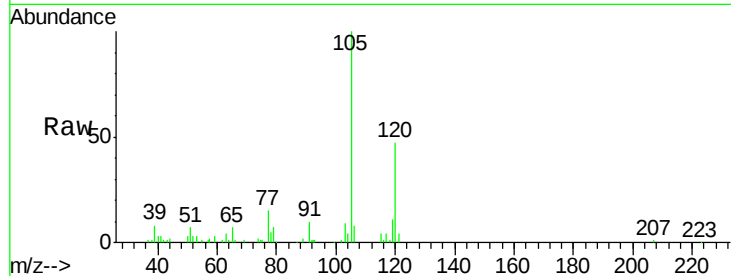




#62
 1,3,5-Trimethylbenzene
 Concen: 1.112 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

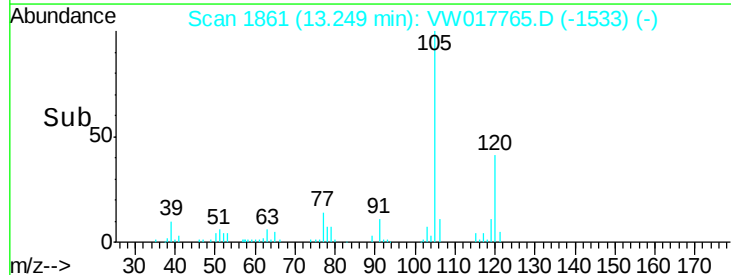
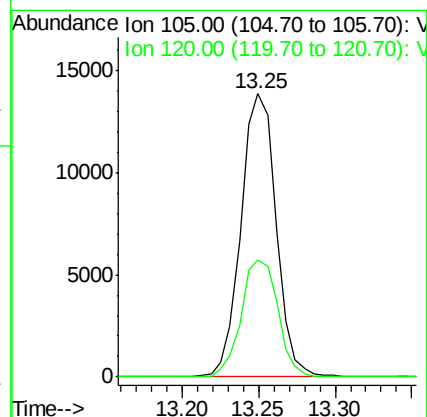
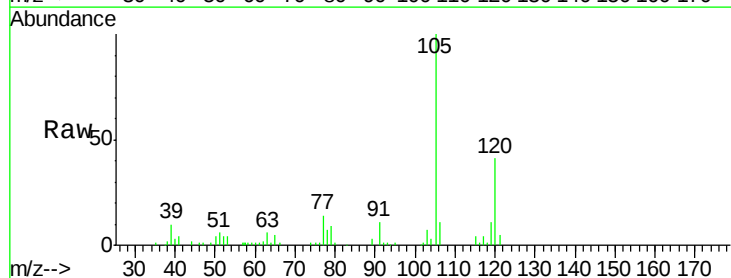
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

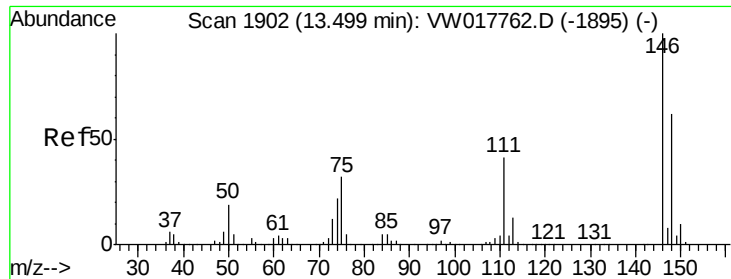
Tgt Ion:105 Resp: 21070
 Ion Ratio Lower Upper
 105 100
 120 47.5 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 1.157 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion:105 Resp: 22068
 Ion Ratio Lower Upper
 105 100
 120 43.1 37.5 56.3





#64

1,3-Dichlorobenzene

Concen: 1.182 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

Instrument :

MSVOA_V

ClientSampleId :

MDL-SOIL-QT1-2020-01

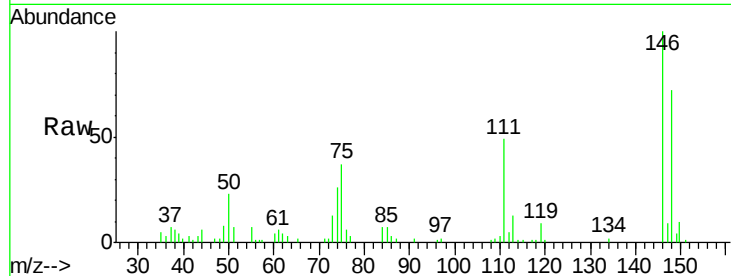
Tgt Ion:146 Resp: 11861

Ion Ratio Lower Upper

146 100

111 48.6 28.8 53.6

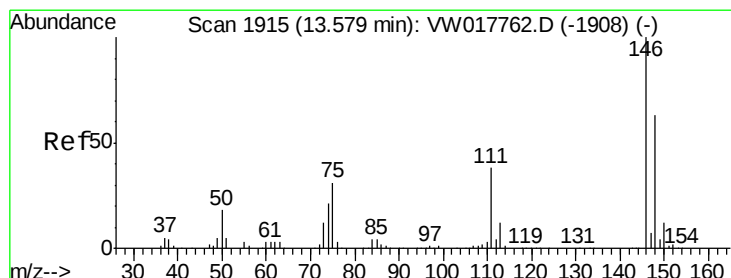
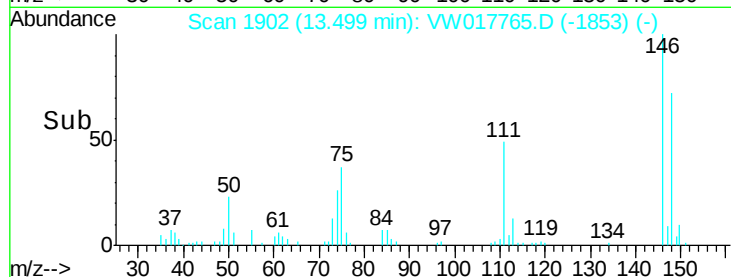
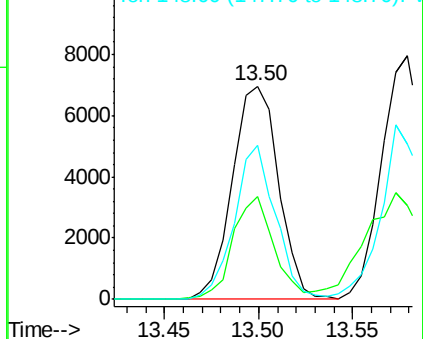
148 72.3 43.0 80.0



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



#65

1,4-Dichlorobenzene

Concen: 1.280 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:06

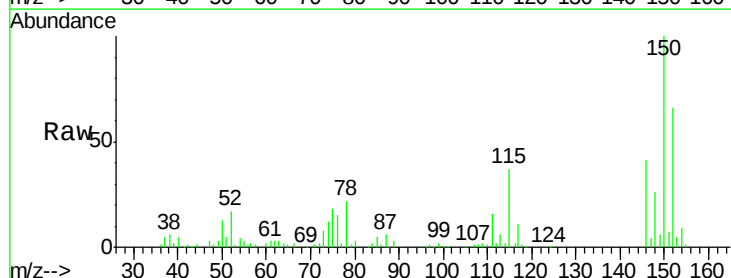
Tgt Ion:146 Resp: 12823

Ion Ratio Lower Upper

146 100

111 38.8 27.6 51.2

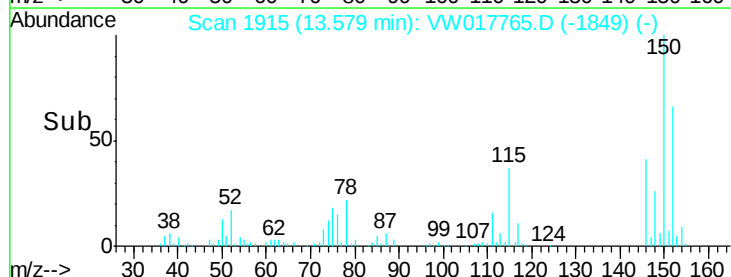
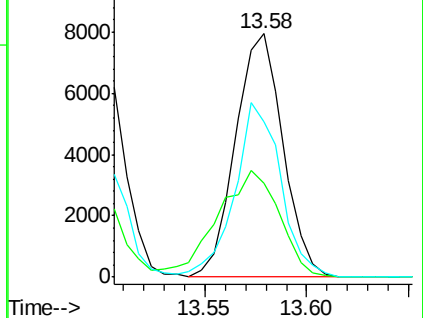
148 63.8 42.4 78.6

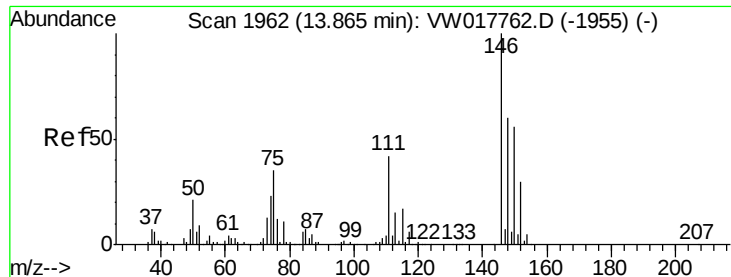


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

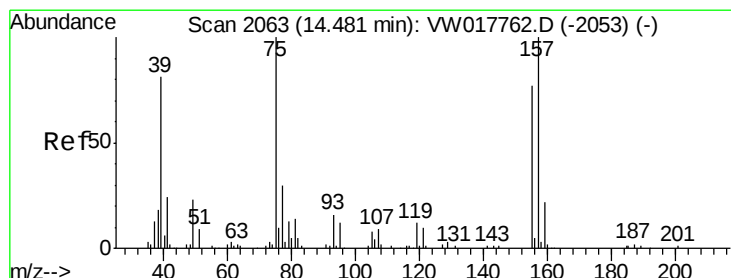
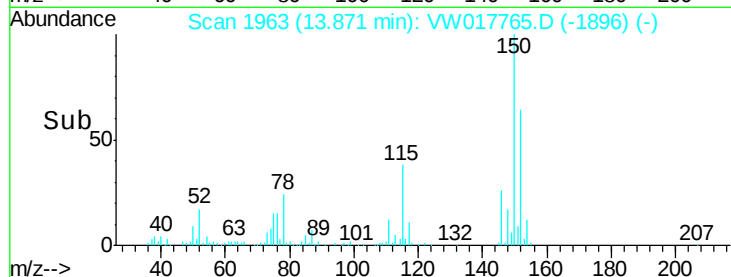
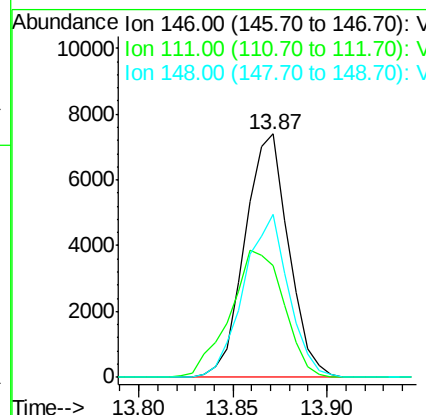
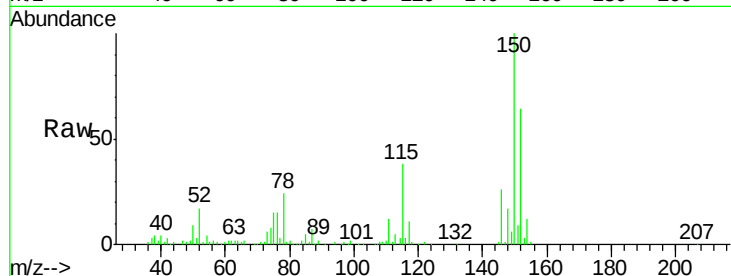




#67
 1,2-Dichlorobenzene
 Concen: 1.300 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

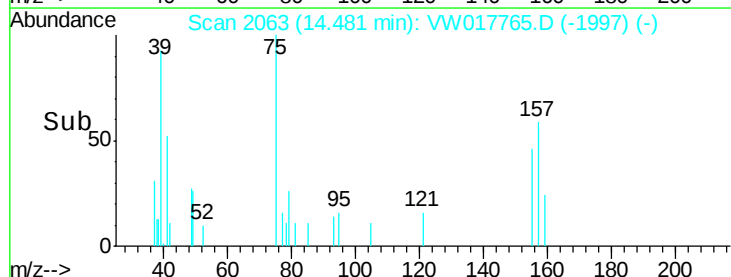
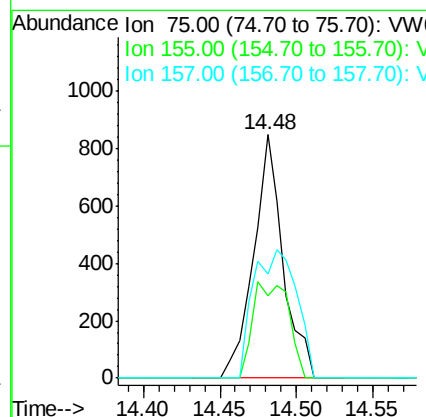
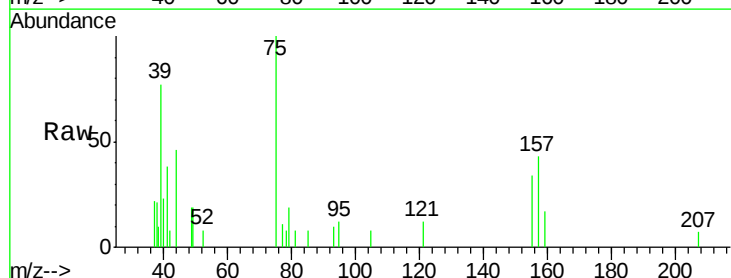
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

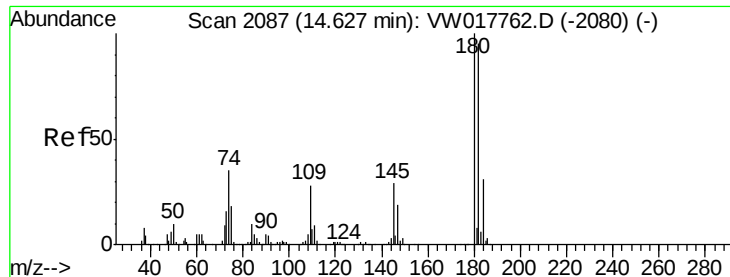
Tgt Ion: 146 Resp: 11920
 Ion Ratio Lower Upper
 146 100
 111 45.9 30.6 45.8#
 148 66.8 48.1 72.1



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.545 ug/L
 RT: 14.48 min Scan# 2063
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion: 75 Resp: 1129
 Ion Ratio Lower Upper
 75 100
 155 33.6 54.9 82.3#
 157 42.8 70.4 105.6#

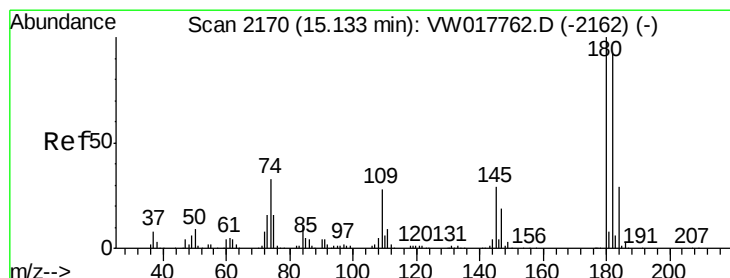
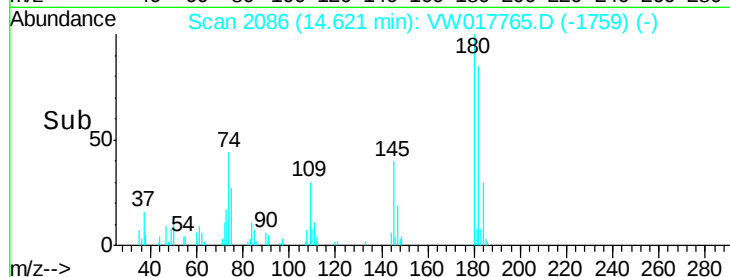
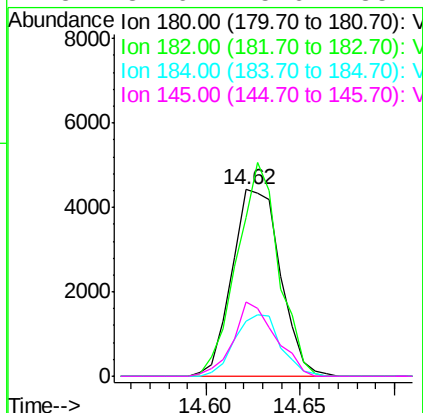
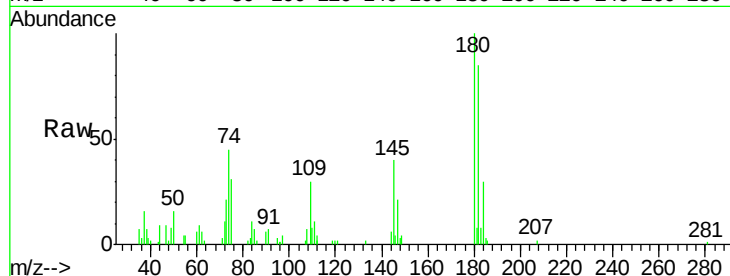




#69
 1,3,5-Trichlorobenzene
 Concen: 1.157 ug/L
 RT: 14.62 min Scan# 2086
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

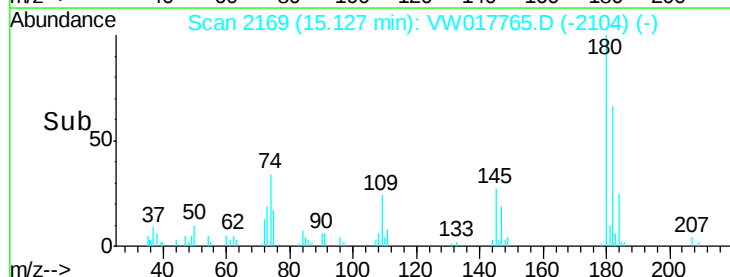
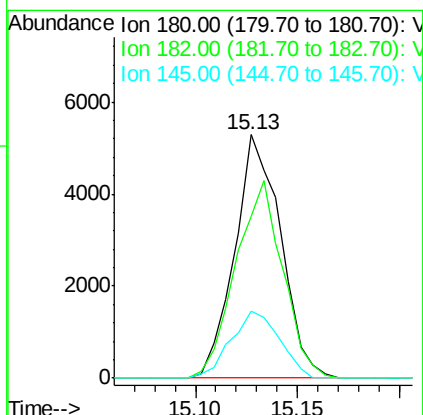
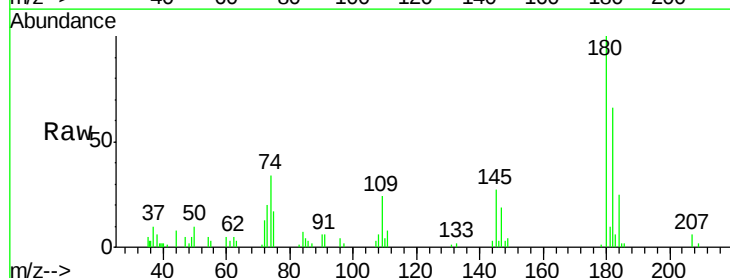
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

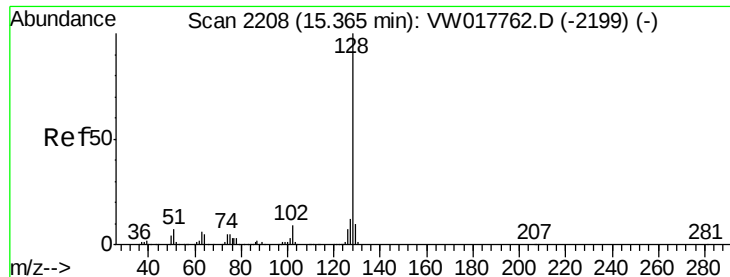
Tgt Ion:	180	Resp:	7857
Ion	Ratio	Lower	Upper
180	100		
182	99.7	76.1	114.1
184	31.0	24.2	36.4
145	34.6	25.6	38.4



#70
 1,2,4-trichlorobenzene
 Concen: 1.406 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:06

Tgt Ion:	180	Resp:	8264
Ion	Ratio	Lower	Upper
180	100		
182	83.2	72.3	108.5
145	29.1	25.6	38.4

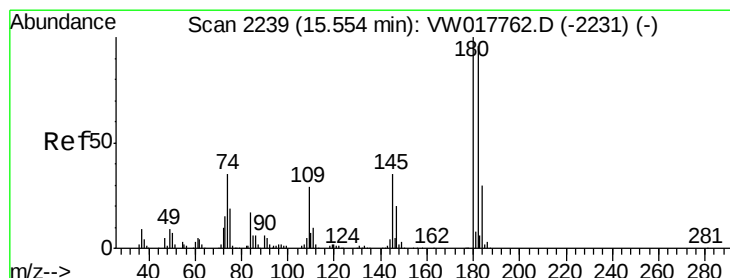
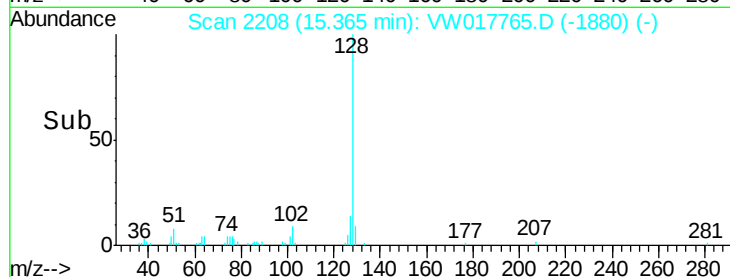
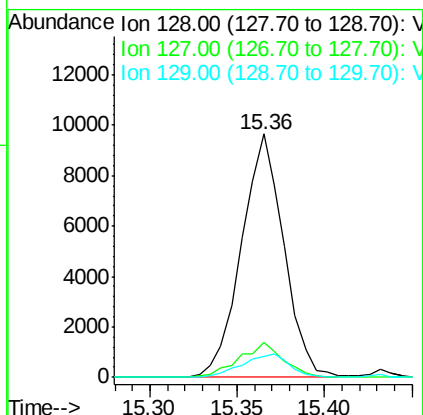
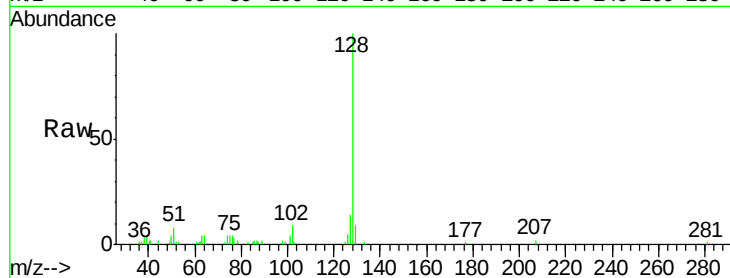




#71
Naphthalene
Concen: 1.290 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Instrument :
MSVOA_V
ClientSampleId :
MDL-SOIL-QT1-2020-01

Tgt Ion:128 Resp: 16300
Ion Ratio Lower Upper
128 100
127 14.9 10.6 16.0
129 10.8 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 1.358 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:06

Tgt Ion:180 Resp: 7072
Ion Ratio Lower Upper
180 100
182 90.4 74.5 111.7
145 33.2 27.1 40.7

