

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122920\
 Data File : VW017771.D
 Acq On : 29 Dec 2020 13:01
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Dec 30 03:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 30 03:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	308554	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	278384	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	137210	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	102378	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.36%
7) Chloroethane-d5	2.89	69	92688	23.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	92.04%
11) 1,1-Dichloroethene-d2	4.02	63	146069	17.27	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	69.08%
21) 2-Butanone-d5	7.08	46	43085	40.57	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.14%
24) Chloroform-d	7.65	84	190965	22.39	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.56%
26) 1,2-Dichloroethane-d4	8.31	65	108090	22.66	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	90.64%
32) Benzene-d6	8.27	84	375716	23.81	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	95.24%
36) 1,2-Dichloropropane-d6	9.27	67	106587	23.48	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.92%
41) Toluene-d8	10.32	98	348765	23.05	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.20%
43) trans-1,3-Dichloropropene-	10.58	79	44814	20.27	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	81.08%
47) 2-Hexanone-d5	10.93	63	29872	40.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	81.60%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	85070	21.33	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	85.32%
66) 1,2-Dichlorobenzene-d4	13.85	152	114049	23.75	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	3600	1.007 ug/L #	84
3) Chloromethane	2.21	50	4037	1.301 ug/L	97
5) Vinyl chloride	2.36	62	5915	1.142 ug/L #	46
6) Bromomethane	2.78	94	4560	1.043 ug/L	97
8) Chloroethane	2.93	64	3354	0.982 ug/L	88
9) Trichlorofluoromethane	3.26	101	2653	0.716 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	2234	0.554 ug/L #	35
12) 1,1-Dichloroethene	4.04	96	2672	0.694 ug/L #	1
13) Acetone	4.14	43	1683	2.097 ug/L	82
14) Carbon disulfide	4.38	76	10411	0.873 ug/L	98
16) Methylene chloride	4.92	84	8927	1.839 ug/L	88
17) trans-1,2-Dichloroethene	5.41	96	4039	0.935 ug/L	93
18) Methyl tert-butyl Ether	5.43	73	3896	0.692 ug/L #	70
19) 1,1-Dichloroethane	6.21	63	4020	0.532 ug/L	91
20) cis-1,2-Dichloroethene	7.17	96	3983	0.861 ug/L	89
23) Bromochloromethane	7.51	128	1863	0.892 ug/L	87
25) Chloroform	7.67	83	8493	1.063 ug/L	96

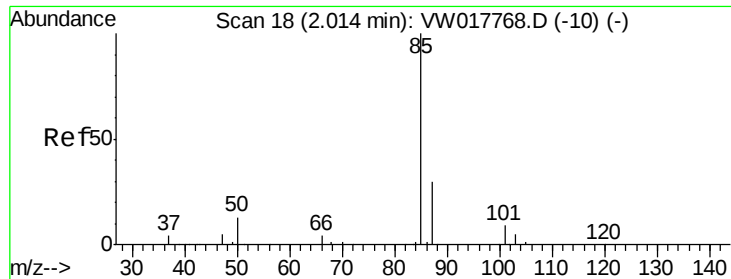
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122920\
 Data File : VW017771.D
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Quant Time: Dec 30 03:54:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Dec 30 03:54:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	8.40	62	4954	0.890	ug/L	99
29) Cyclohexane	7.95	56	5812	0.860	ug/L	91
30) 1,1,1-Trichloroethane	7.87	97	5894	0.901	ug/L	93
31) Carbon tetrachloride	8.06	117	5319	0.853	ug/L #	48
33) Benzene	8.32	78	16060	0.964	ug/L	100
34) Trichloroethene	9.09	95	4261	0.944	ug/L #	86
35) Methylcyclohexane	9.34	83	6865	0.888	ug/L	92
37) 1,2-Dichloropropane	9.37	63	3409	0.844	ug/L #	96
38) Bromodichloromethane	9.64	83	4797	0.842	ug/L #	91
39) cis-1,3-Dichloropropene	10.08	75	5873	0.885	ug/L	92
42) Toluene	10.38	91	17530	0.934	ug/L	96
44) trans-1,3-Dichloropropene	10.60	75	4718	0.791	ug/L	98
45) 1,1,2-Trichloroethane	10.79	97	2914	0.900	ug/L	78
46) Tetrachloroethene	10.86	164	3115	0.893	ug/L	84
49) Dibromochloromethane	11.13	129	3130	0.811	ug/L	93
50) 1,2-Dibromoethane	11.24	107	2643	0.839	ug/L #	88
51) Chlorobenzene	11.66	112	10911	0.919	ug/L	95
52) Ethylbenzene	11.73	91	18746	0.884	ug/L	96
53) m,p-Xylene	11.84	106	7383	0.901	ug/L	91
54) o-Xylene	12.17	106	6424	0.822	ug/L	79
55) Styrene	12.18	104	10540	0.788	ug/L	86
57) 1,1,2,2-Tetrachloroethane	12.71	83	3831	0.985	ug/L #	95
59) Bromoform	12.35	173	1585	0.799	ug/L	96
60) Isopropylbenzene	12.46	105	18523	0.928	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	2739	0.992	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	13762	0.842	ug/L	96
63) 1,2,4-Trimethylbenzene	13.25	105	14062	0.855	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	8310	0.960	ug/L	86
65) 1,4-Dichlorobenzene	13.58	146	8413	0.973	ug/L	95
67) 1,2-Dichlorobenzene	13.87	146	7527	0.952	ug/L #	70
68) 1,2-Dibromo-3-chloropropan	14.63	75	1132	1.795	ug/L #	10
69) 1,3,5-Trichlorobenzene	14.63	180	5661	0.966	ug/L	97
70) 1,2,4-trichlorobenzene	15.13	180	4572	0.902	ug/L	93
71) Naphthalene	15.36	128	9211	0.845	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	4065	0.905	ug/L #	91

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



#2

Dichlorodifluoromethane

Concen: 1.007 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

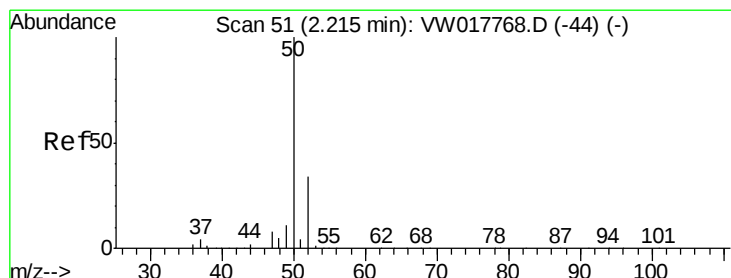
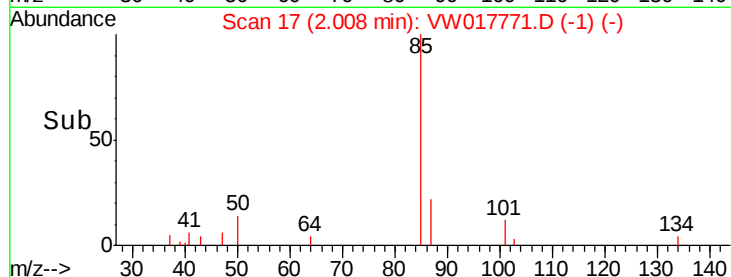
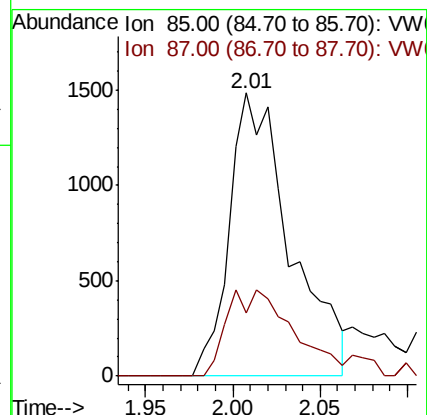
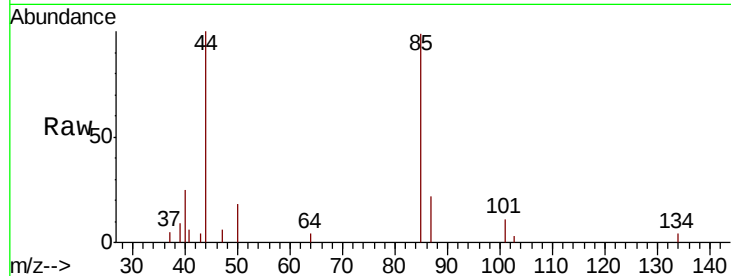
MDL-SOIL-QT1-2020-01

Tot Ion: 85 Resp: 3600

Ion Ratio Lower Upper

85 100

87 21.3 23.8 35.6#



#3

Chloromethane

Concen: 1.301 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017771.D

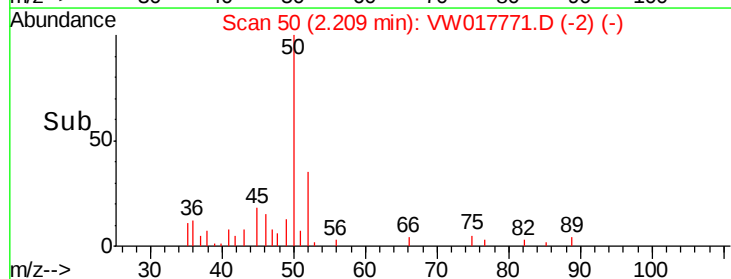
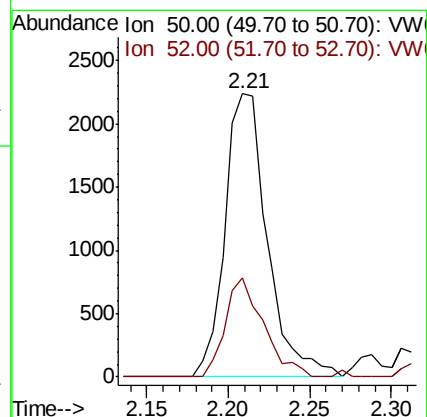
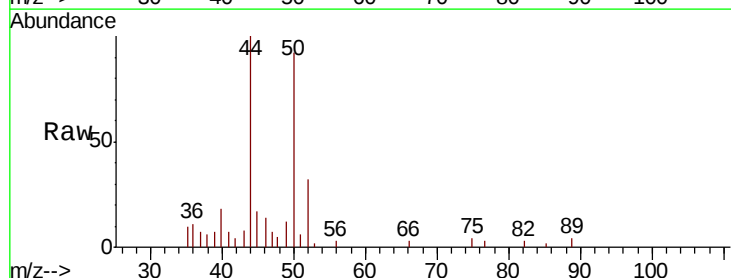
Acq: 29 Dec 2020 13:01

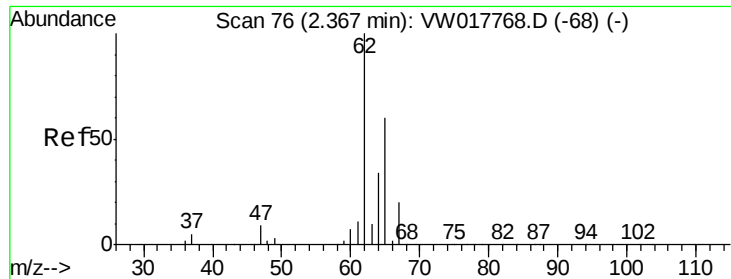
Tgt Ion: 50 Resp: 4037

Ion Ratio Lower Upper

50 100

52 35.1 23.6 43.8





#5

Vinyl chloride

Concen: 1.142 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

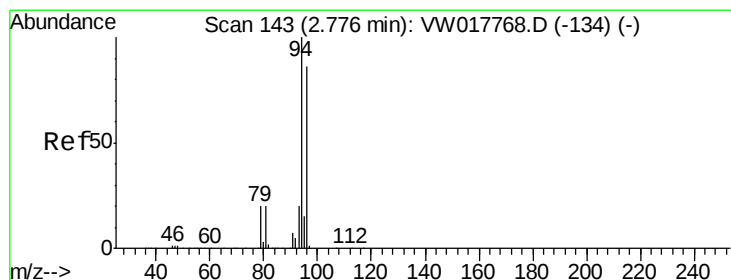
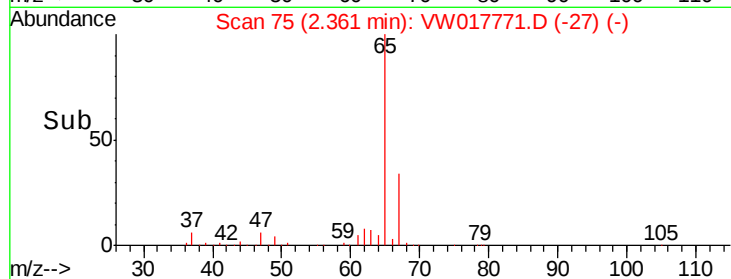
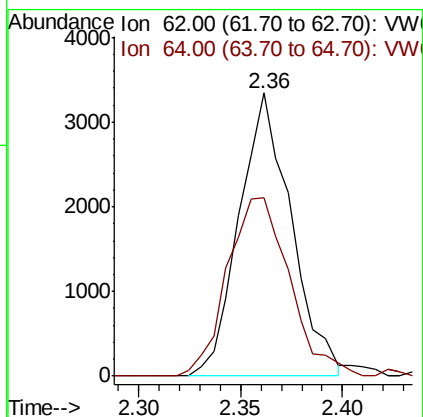
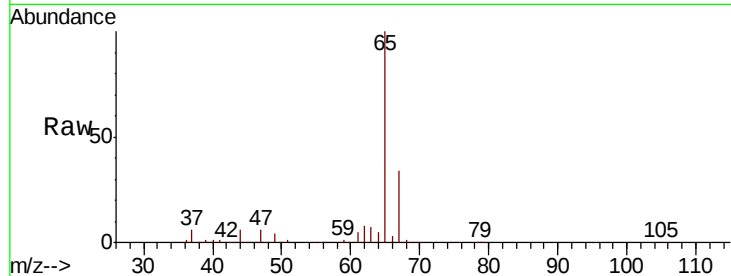
MDL-SOIL-QT1-2020-01

Tot Ion: 62 Resp: 5915

Ion Ratio Lower Upper

62 100

64 63.3 23.0 42.6#



#6

Bromomethane

Concen: 1.043 ug/L

RT: 2.78 min Scan# 143

Delta R.T. 0.00 min

Lab File: VW017771.D

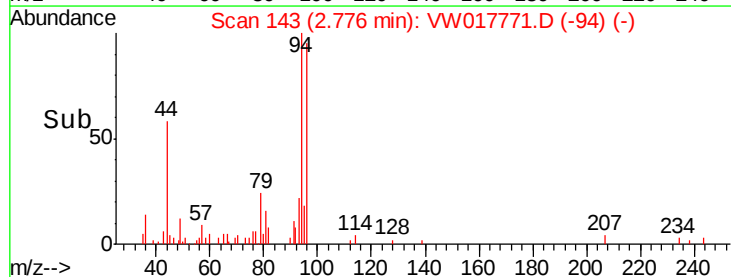
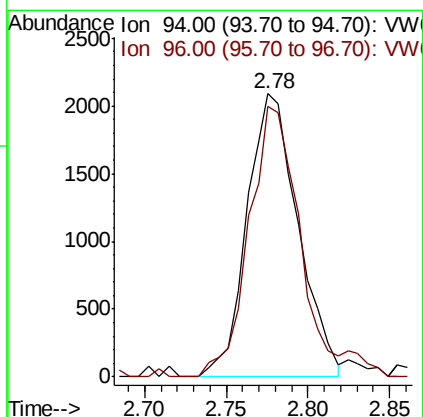
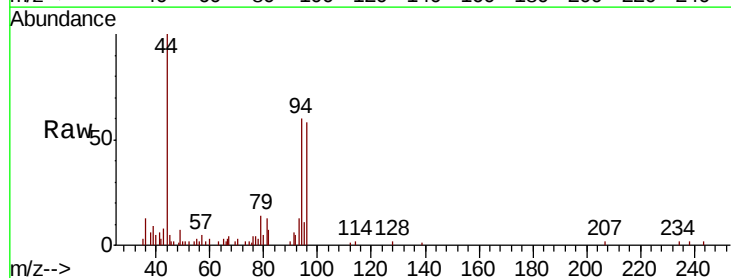
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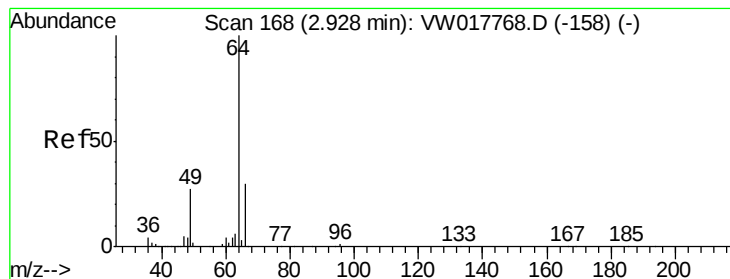
Tgt Ion: 94 Resp: 4560

Ion Ratio Lower Upper

94 100

96 95.5 65.0 120.6





#8

Chloroethane

Concen: 0.982 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

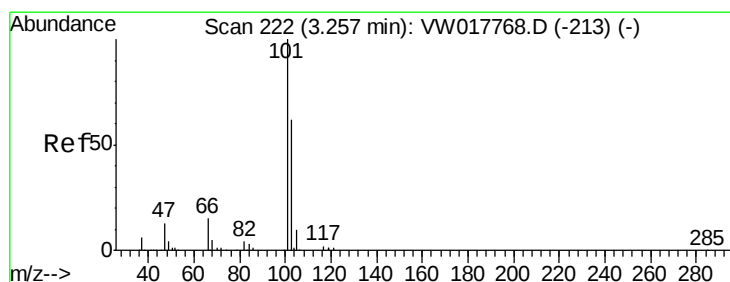
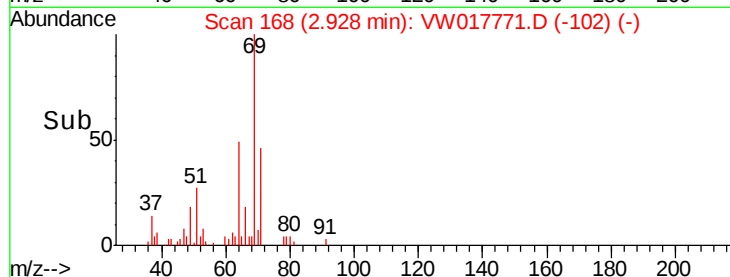
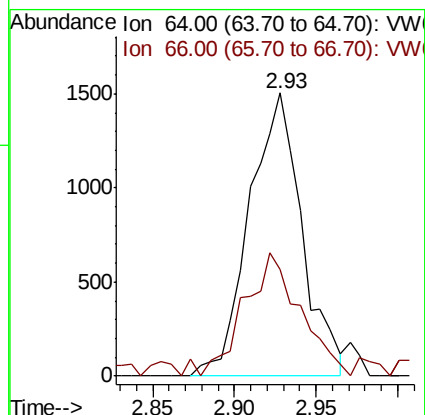
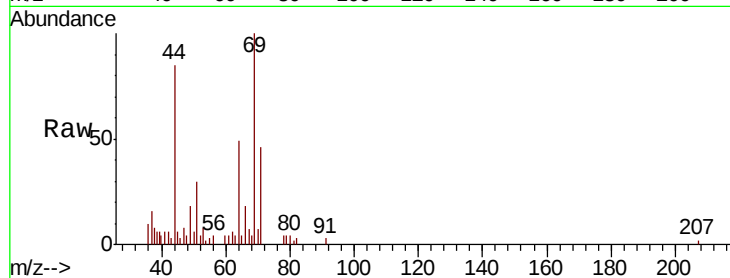
MDL-SOIL-QT1-2020-01

Tot Ion: 64 Resp: 3354

Ion Ratio Lower Upper

64 100

66 37.8 21.7 40.3



#9

Trichlorofluoromethane

Concen: 0.716 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.01 min

Lab File: VW017771.D

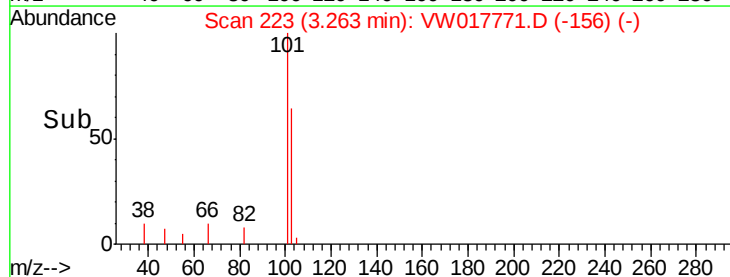
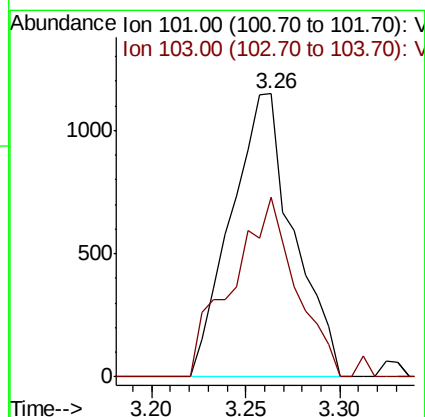
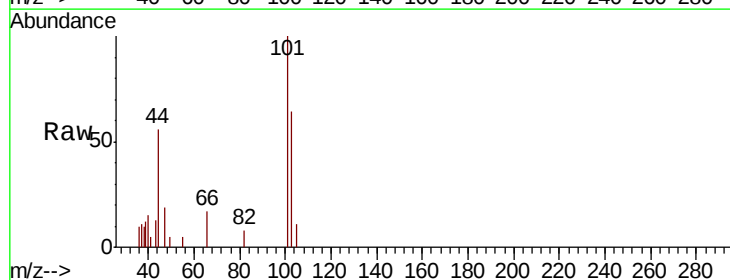
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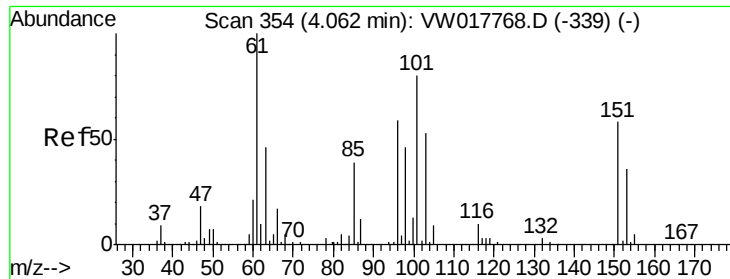
Tgt Ion: 101 Resp: 2653

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.8





#10

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

Concen: 0.554 ug/L

RT: 4.07 min Scan# 355

Delta R.T. 0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

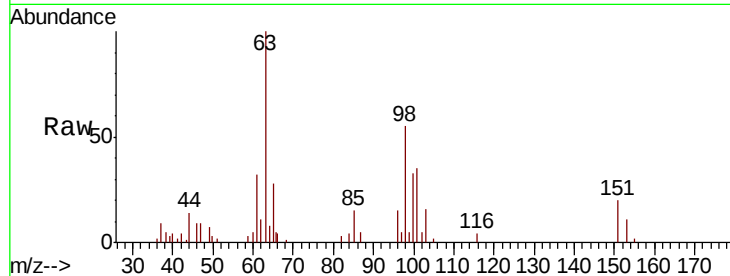
Tot Ion:101 Resp: 2234

Ion Ratio Lower Upper

101 100

85 26.7 37.9 56.9#

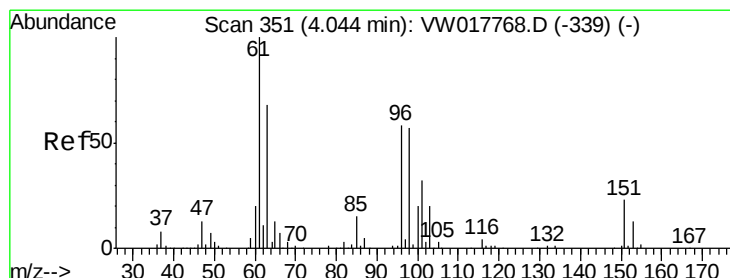
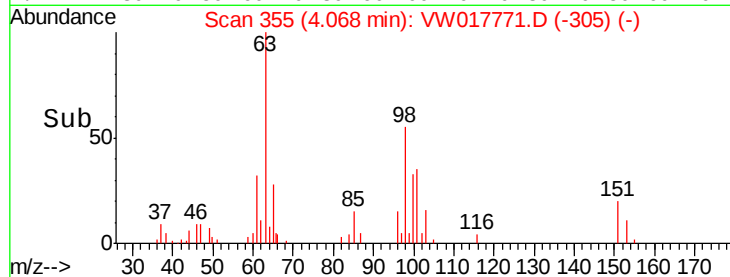
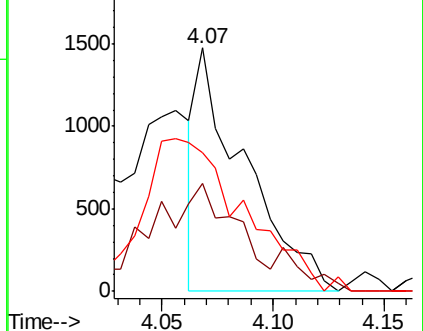
151 0.0 58.2 87.2#



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: 0.694 ug/L

RT: 4.04 min Scan# 351

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

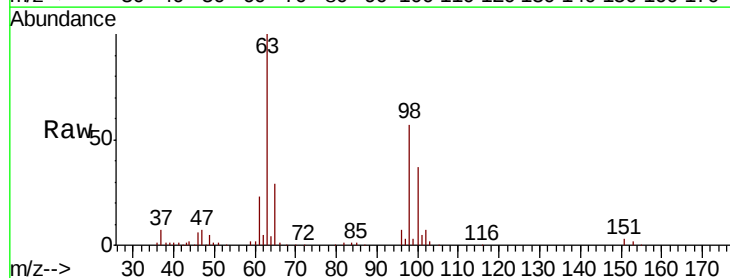
Tgt Ion: 96 Resp: 2672

Ion Ratio Lower Upper

96 100

61 343.5 123.7 229.7#

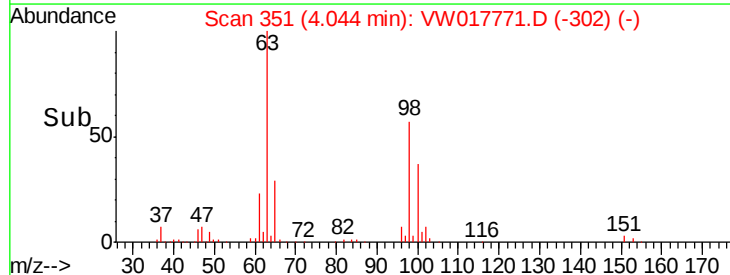
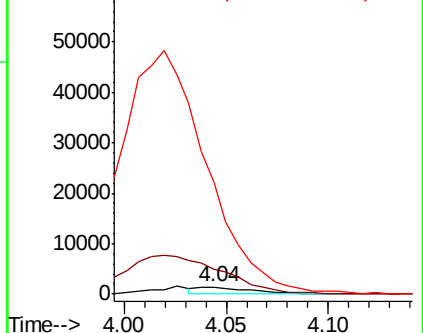
63 1514.1 96.6 179.4#

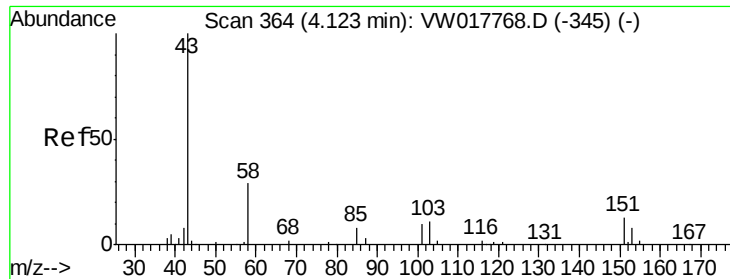


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW

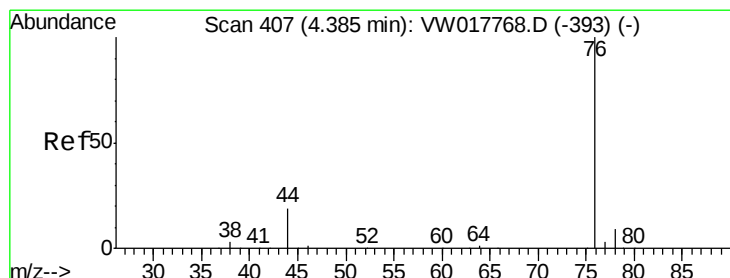
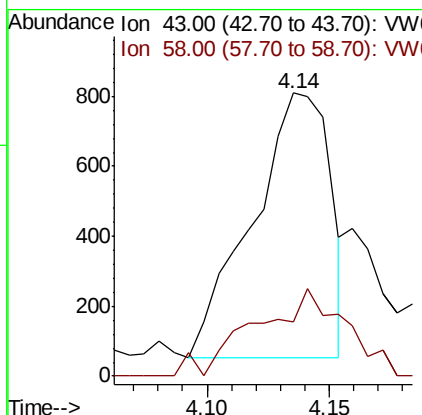
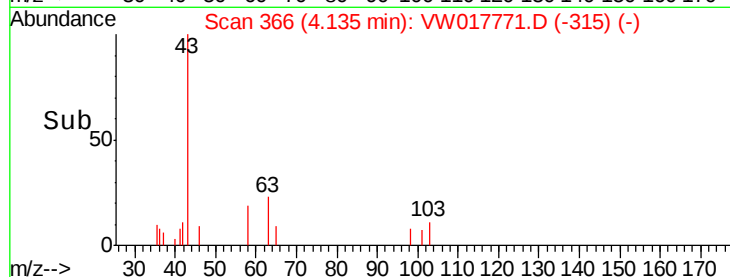
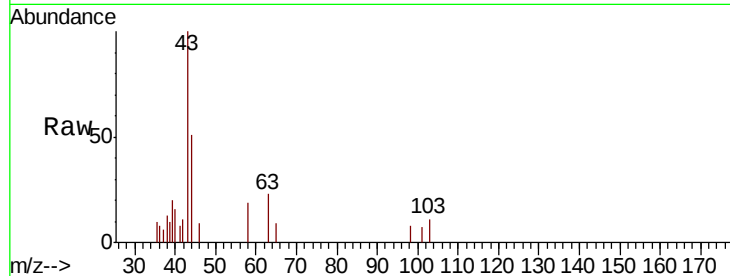




#13
Acetone
Concen: 2.097 ug/L
RT: 4.14 min Scan# 366
Delta R.T. 0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

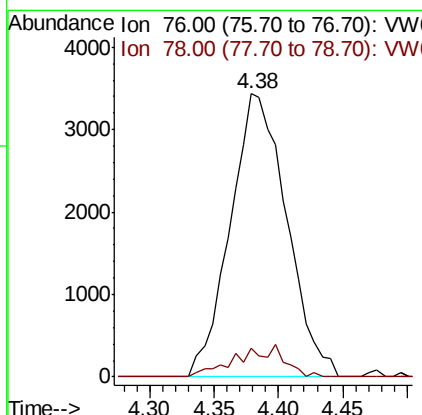
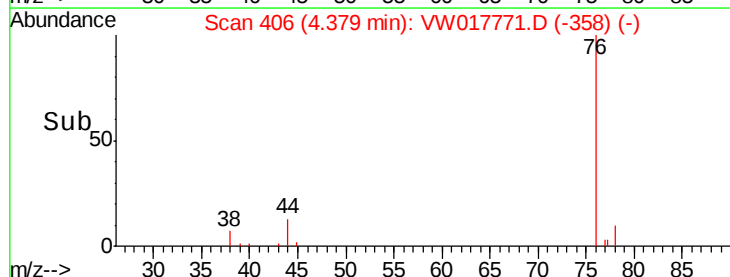
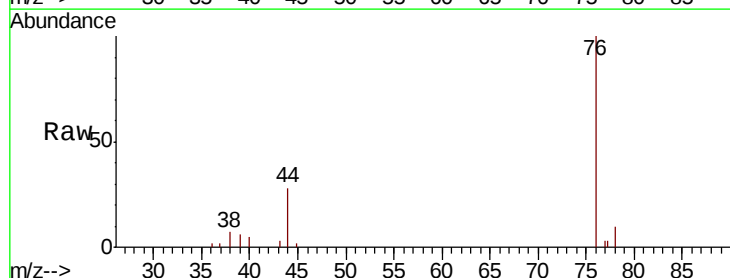
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

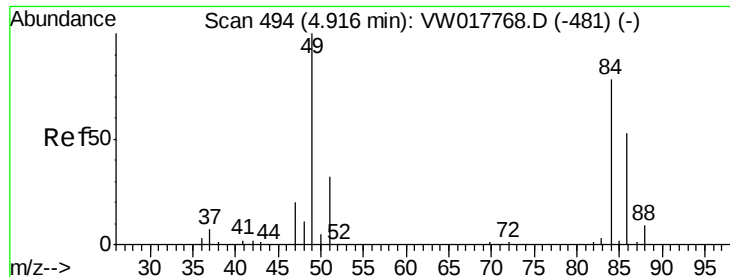
Tot Ion: 43 Resp: 1683
Ion Ratio Lower Upper
43 100
58 19.1 0.0 57.8



#14
Carbon disulfide
Concen: 0.873 ug/L
RT: 4.38 min Scan# 406
Delta R.T. -0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion: 76 Resp: 10411
Ion Ratio Lower Upper
76 100
78 10.3 7.7 11.5

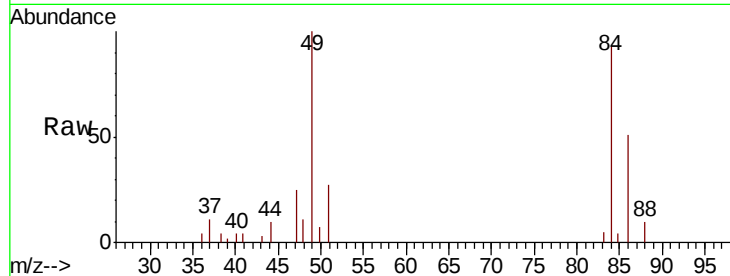




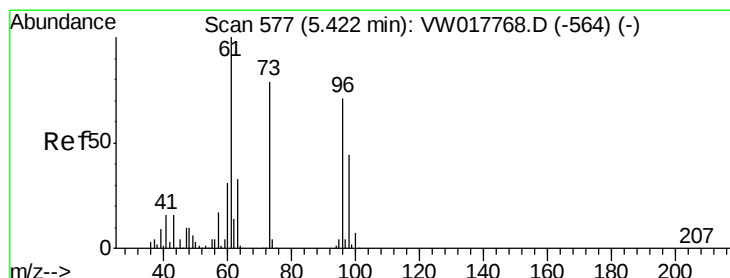
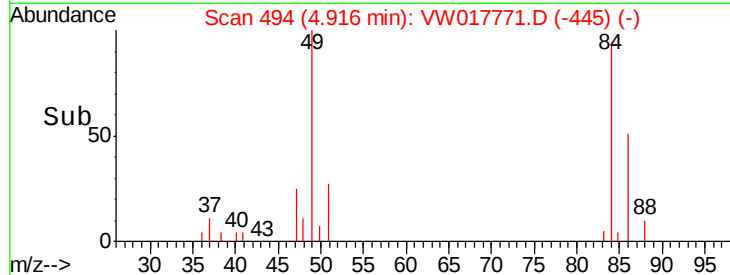
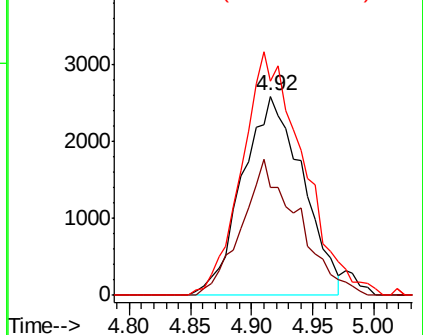
#16
Methvlene chloride
Concen: 1.839 ug/L
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

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

Tot Ion: 84 Resp: 8927
Ion Ratio Lower Upper
84 100
86 54.3 44.0 81.8
49 107.4 85.4 158.6

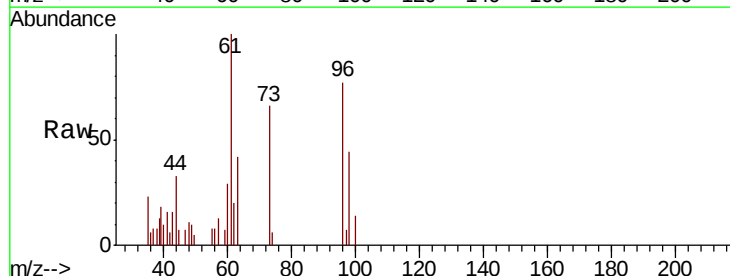


Abundance Ion 84.00 (83.70 to 84.70): VW
Ion 86.00 (85.70 to 86.70): VW
Ion 49.00 (48.70 to 49.70): VW

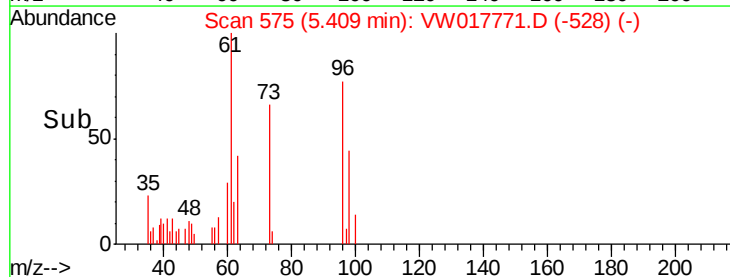
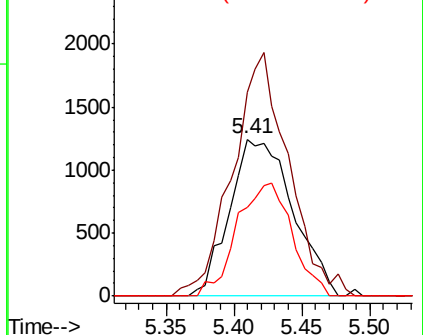


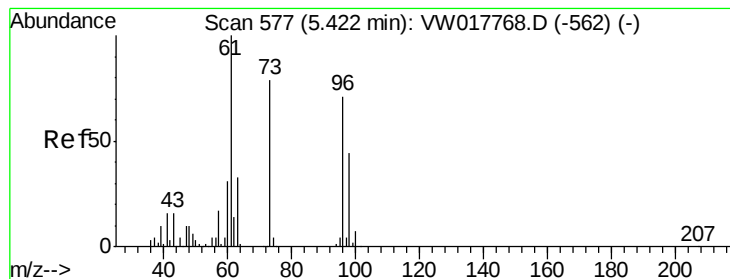
#17
trans-1,2-Dichloroethene
Concen: 0.935 ug/L
RT: 5.41 min Scan# 575
Delta R.T. -0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion: 96 Resp: 4039
Ion Ratio Lower Upper
96 100
61 130.6 96.0 178.4
98 56.9 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



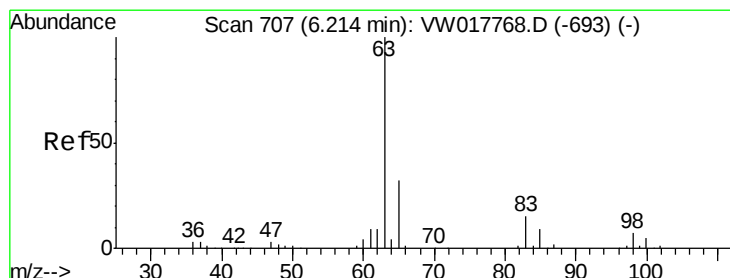
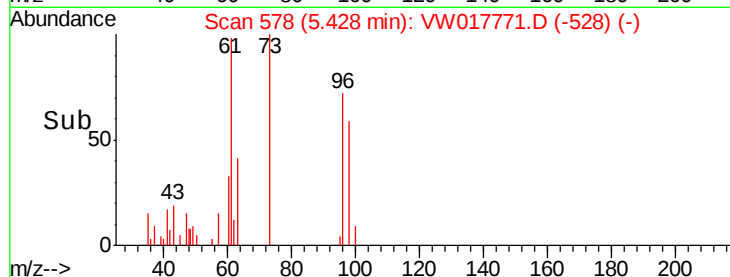
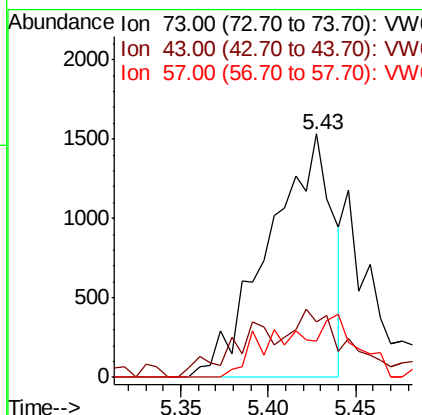
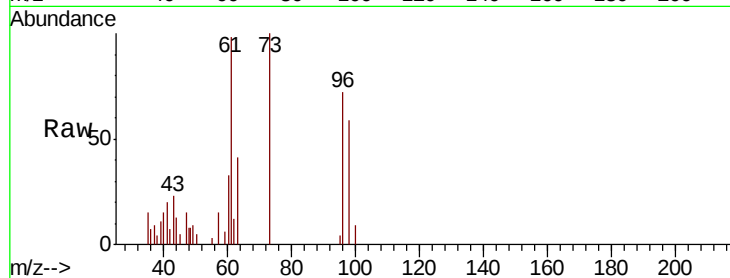


#18

Methvl tert-butvl Ether
 Concen: 0.692 ug/L
 RT: 5.43 min Scan# 578
 Delta R.T. 0.01 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

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

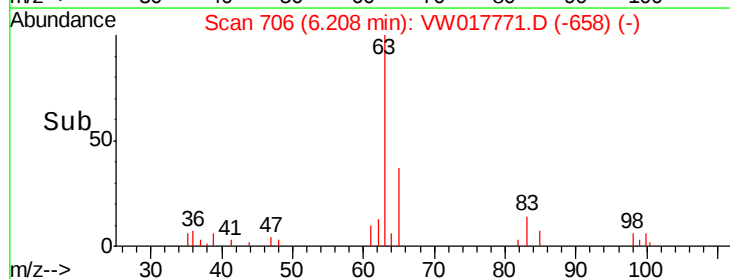
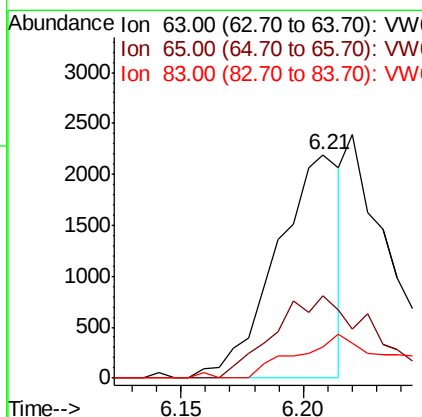
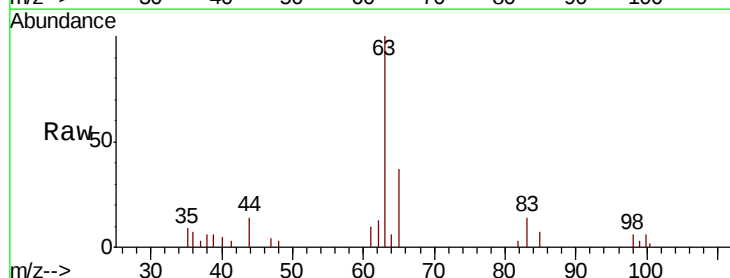
Tot Ion	Ratio	Lower	Upper
73	100		
43	9.8	17.4	26.0#
57	4.7	16.9	25.3#

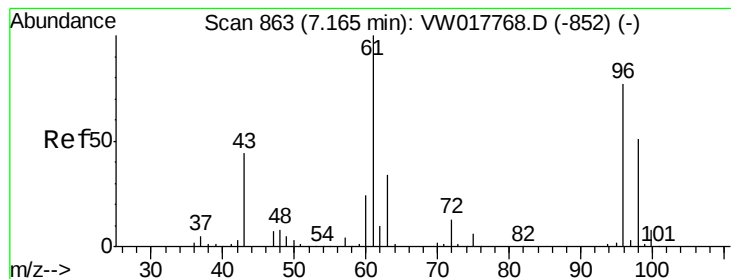


#19

1,1-Dichloroethane
 Concen: 0.532 ug/L
 RT: 6.21 min Scan# 706
 Delta R.T. -0.01 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion	Ratio	Lower	Upper
63	100		
65	36.5	21.3	39.5
83	13.8	8.8	16.4





#20

cis-1,2-Dichloroethene

Concen: 0.861 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

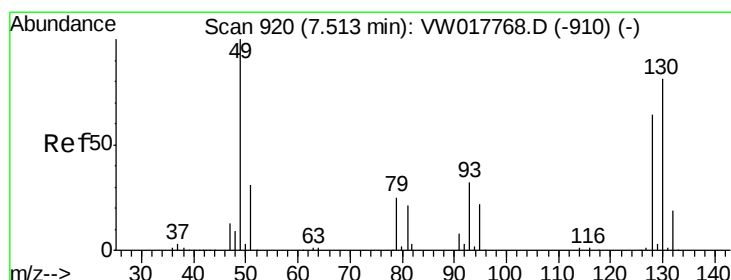
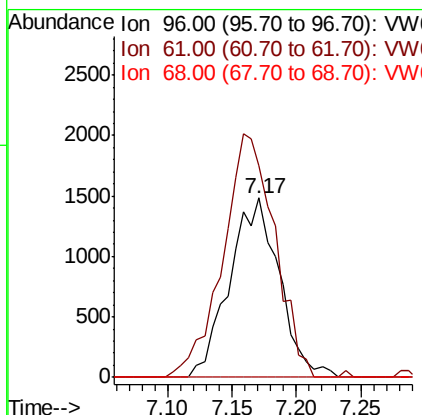
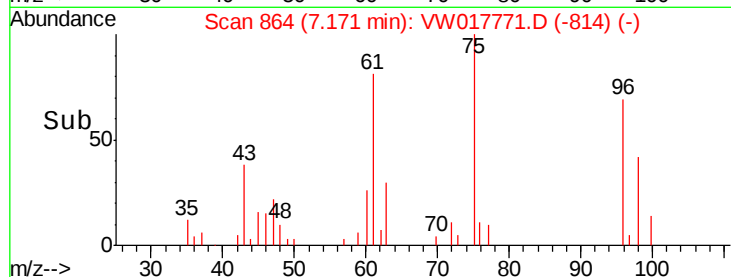
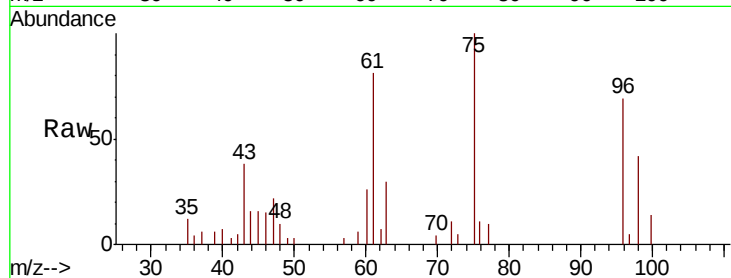
Tot Ion: 96 Resp: 3983

Ion Ratio Lower Upper

96 100

61 117.9 91.6 170.2

68 0.0 0.0 0.0



#23

Bromochloromethane

Concen: 0.892 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Tgt Ion: 128 Resp: 1863

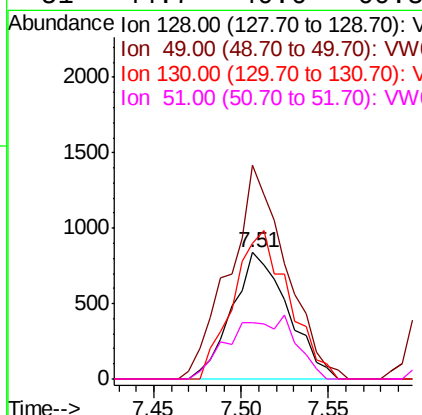
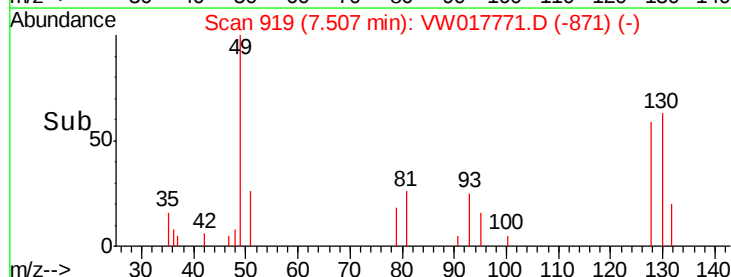
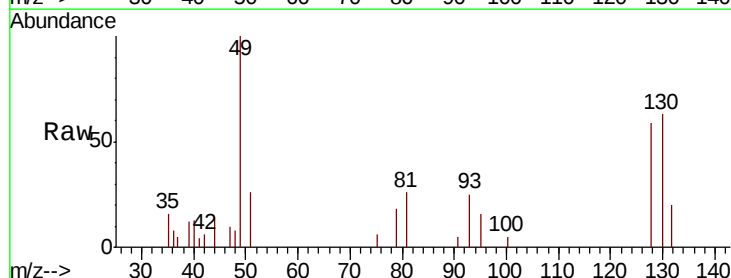
Ion Ratio Lower Upper

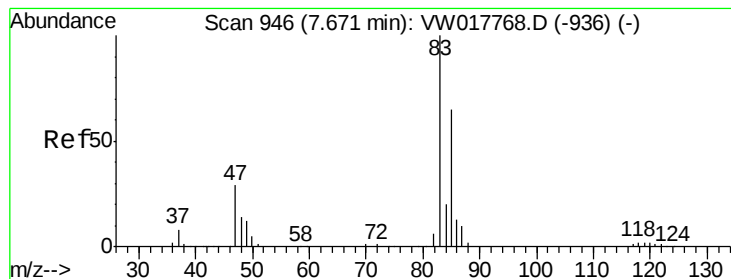
128 100

49 168.9 111.2 206.6

130 106.8 91.9 170.7

51 44.7 40.6 60.8





#25

Chloroform

Concen: 1.063 ug/L

RT: 7.67 min Scan# 946

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

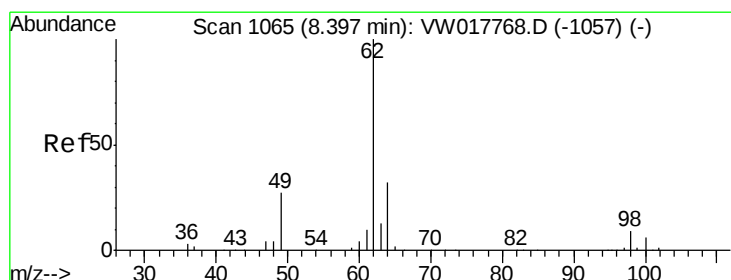
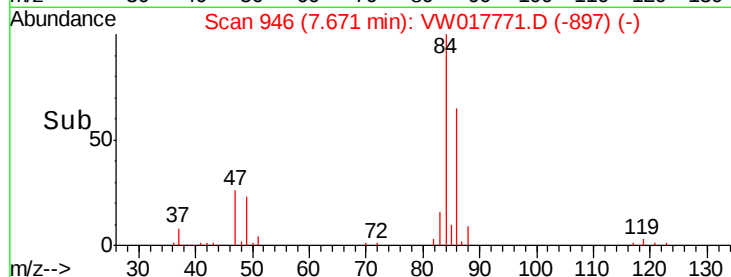
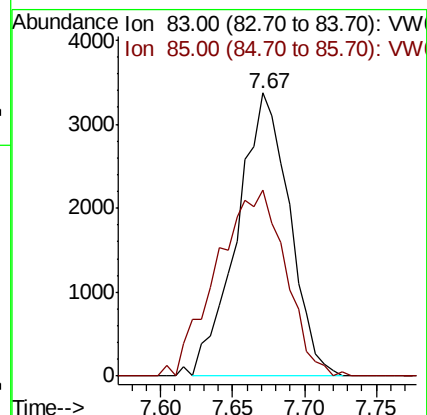
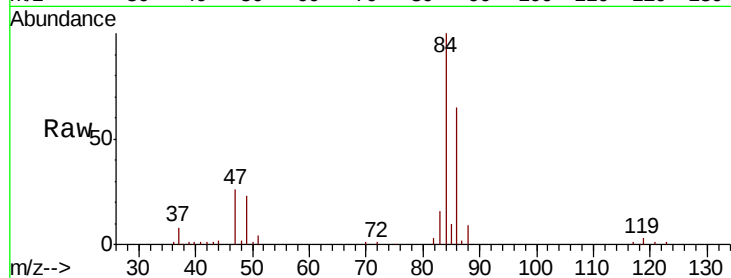
MDL-SOIL-QT1-2020-01

Tot Ion: 83 Resp: 8493

Ion Ratio Lower Upper

83 100

85 65.7 43.6 81.0



#27

1,2-Dichloroethane

Concen: 0.890 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. 0.00 min

Lab File: VW017771.D

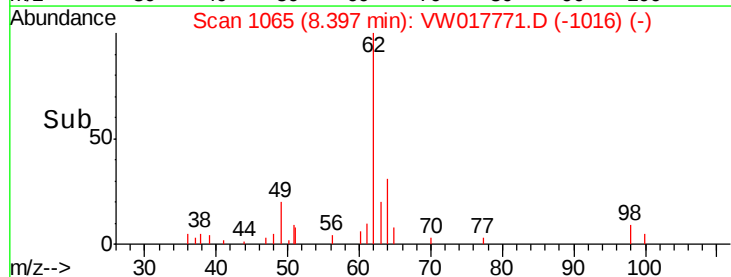
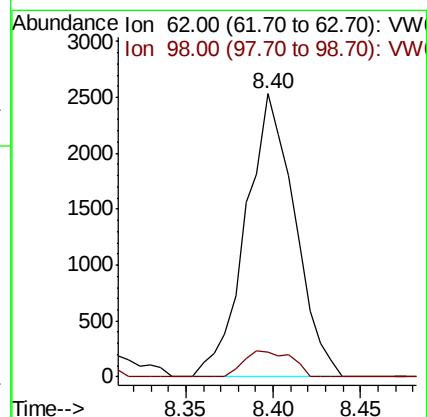
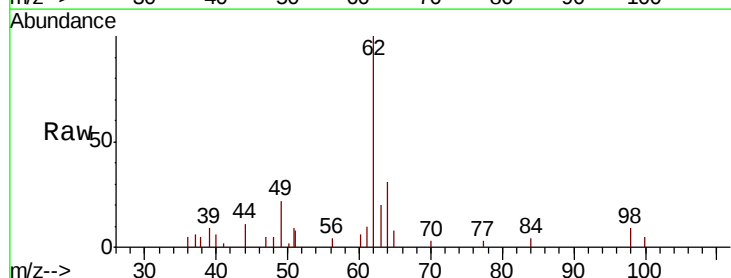
Acq: 29 Dec 2020 13:01

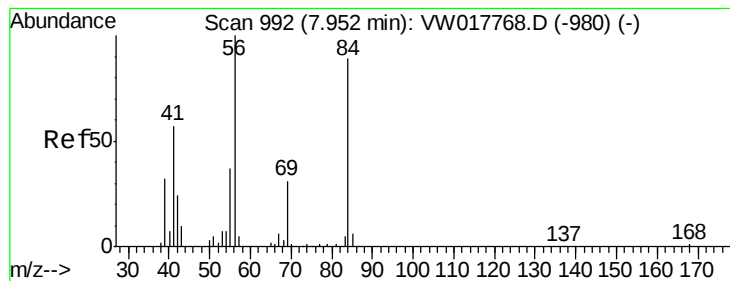
Tgt Ion: 62 Resp: 4954

Ion Ratio Lower Upper

62 100

98 8.9 6.8 10.2





#29

Cyclohexane

Concen: 0.860 ug/L

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

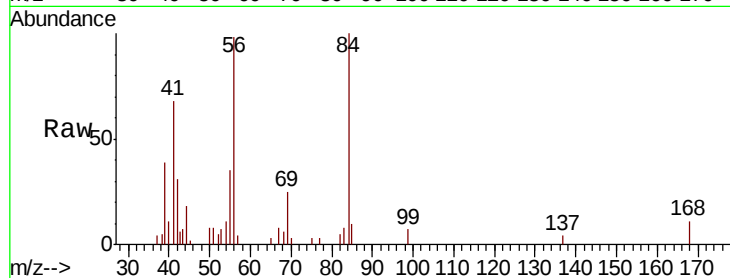
Tot Ion: 56 Resp: 5812

Ion Ratio Lower Upper

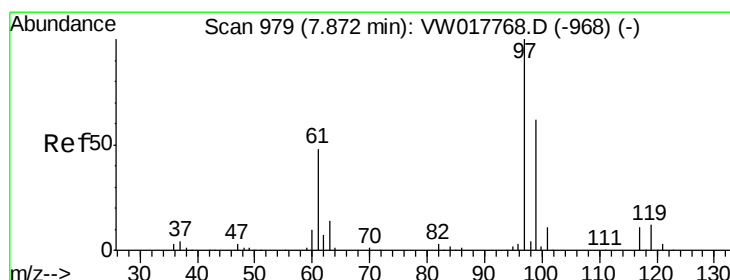
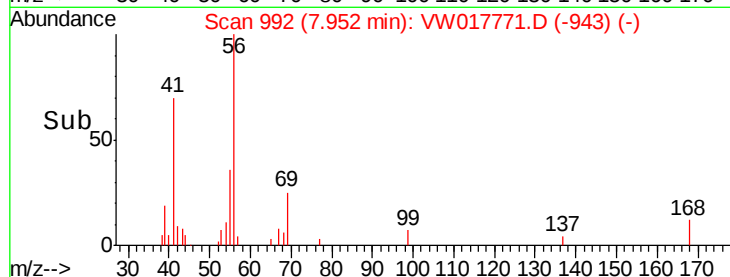
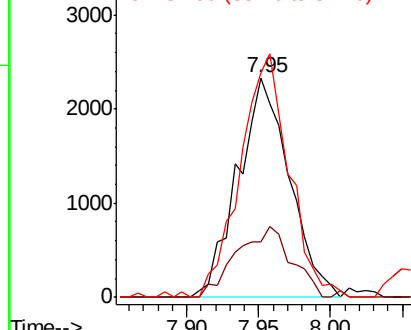
56 100

69 31.3 25.4 38.2

84 104.3 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: 0.901 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

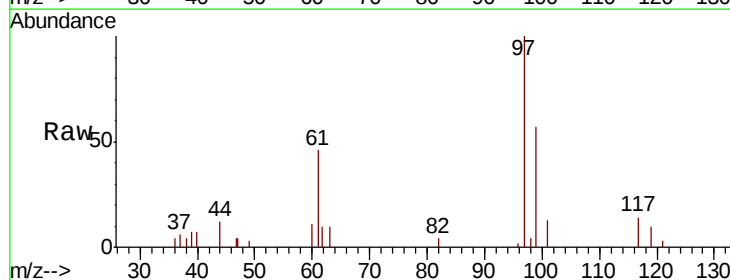
Tgt Ion: 97 Resp: 5894

Ion Ratio Lower Upper

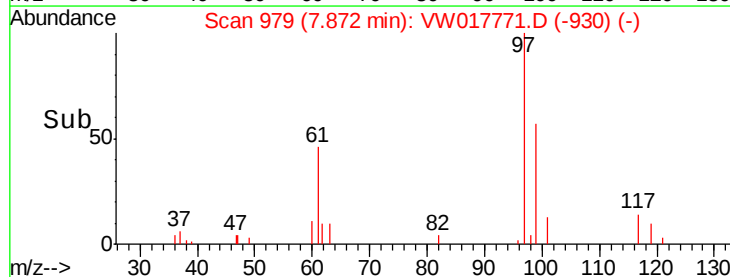
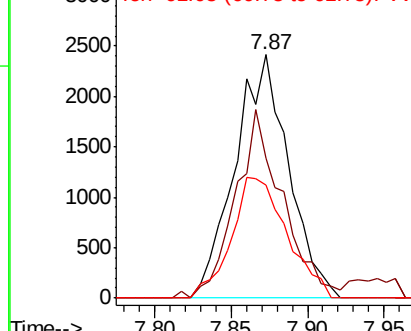
97 100

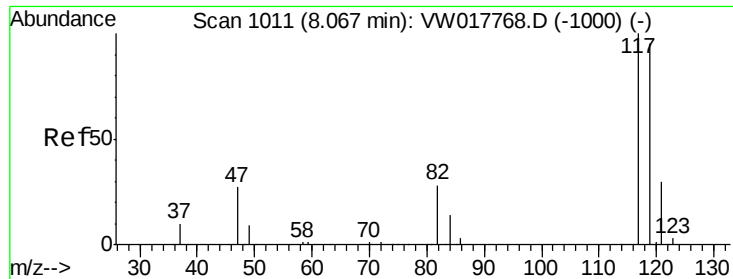
99 67.5 50.6 75.8

61 51.3 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

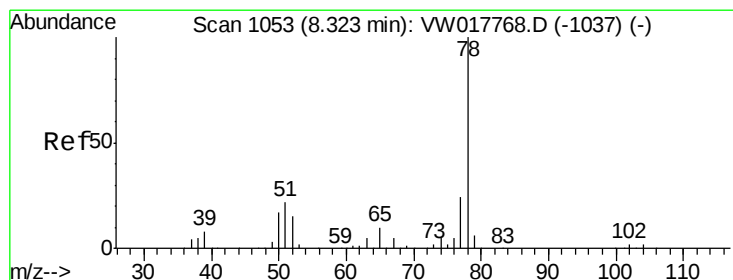
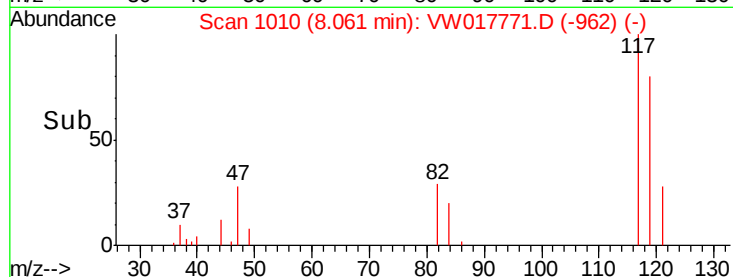
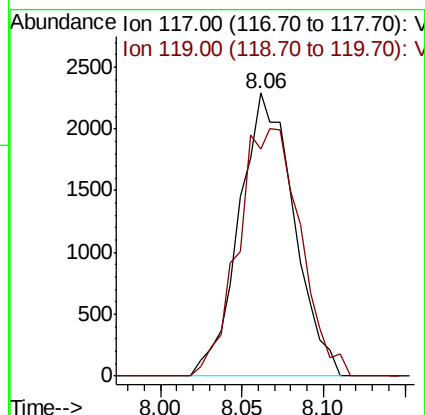
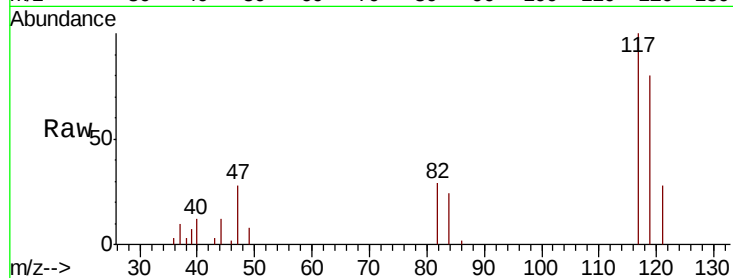




#31
Carbon tetrachloride
Concen: 0.853 ug/L
RT: 8.06 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

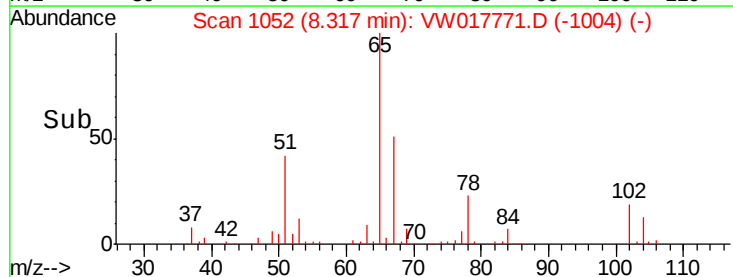
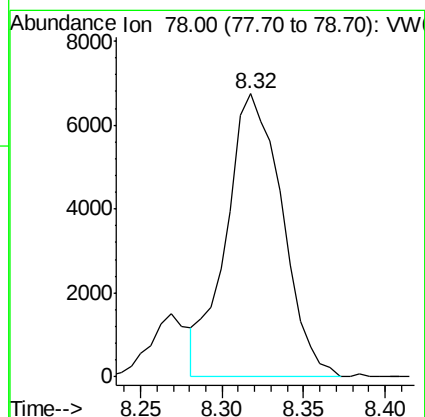
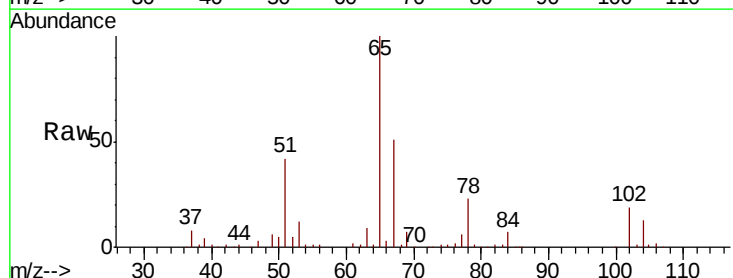
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

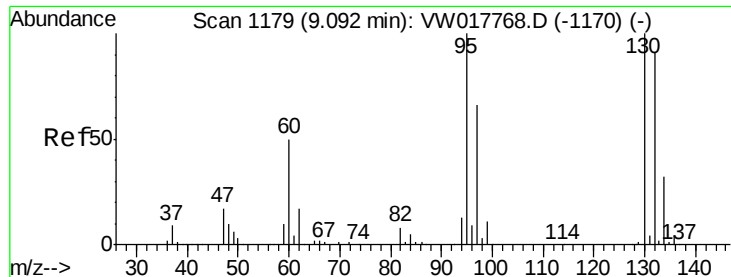
Tot Ion:117 Resp: 5319
Ion Ratio Lower Upper
117 100
119 43.7 75.6 113.4#



#33
Benzene
Concen: 0.964 ug/L
RT: 8.32 min Scan# 1052
Delta R.T. -0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion: 78 Resp: 16060





#34

Trichloroethene

Concen: 0.944 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tot Ion: 95 Resp: 4261

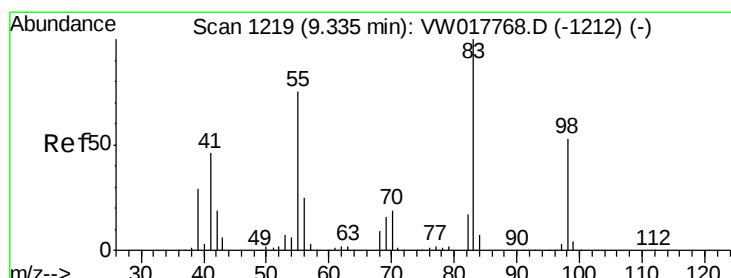
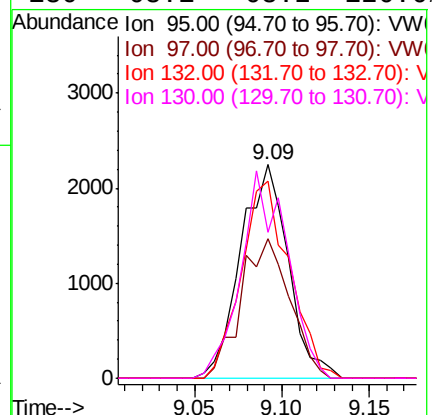
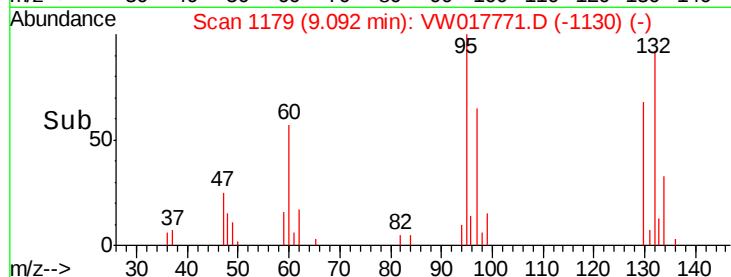
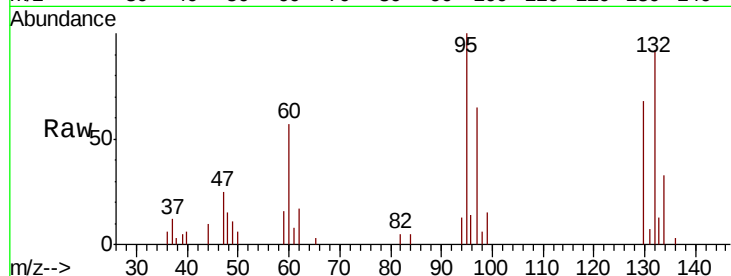
Ion Ratio Lower Upper

95 100

97 65.4 45.6 84.6

132 92.1 69.4 128.8

130 68.1 68.2 126.6#



#35

Methylcyclohexane

Concen: 0.888 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

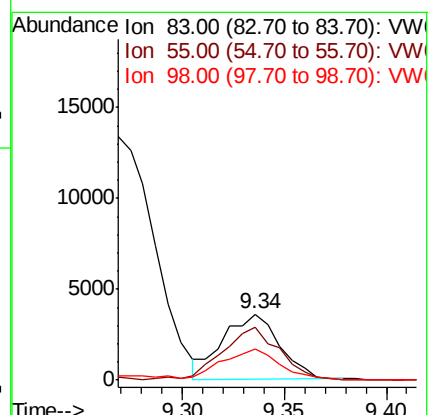
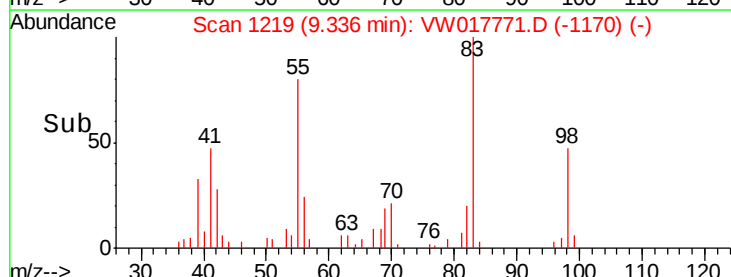
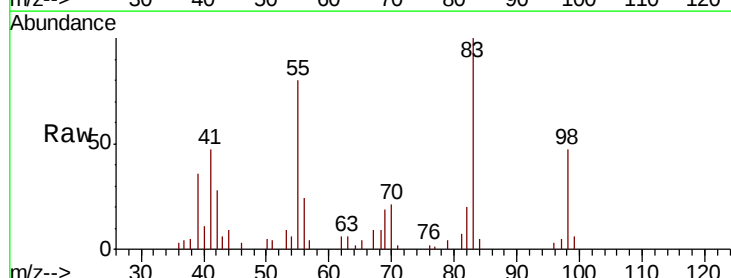
Tgt Ion: 83 Resp: 6865

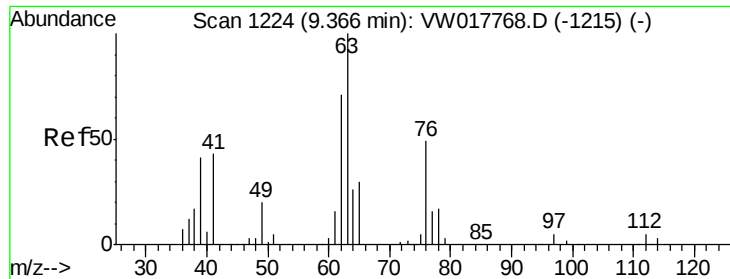
Ion Ratio Lower Upper

83 100

55 83.0 58.6 88.0

98 49.1 40.5 60.7

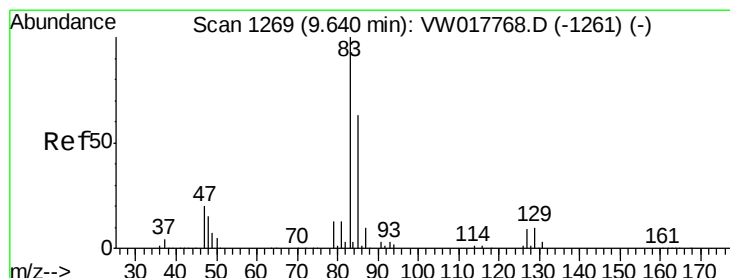
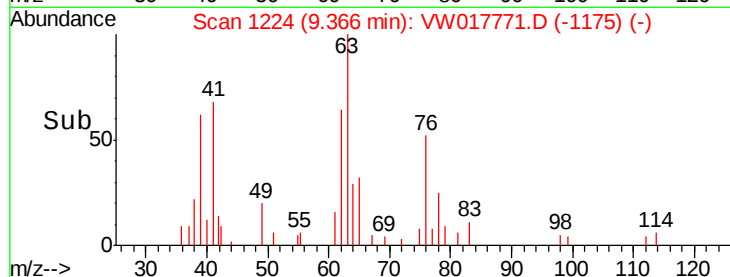
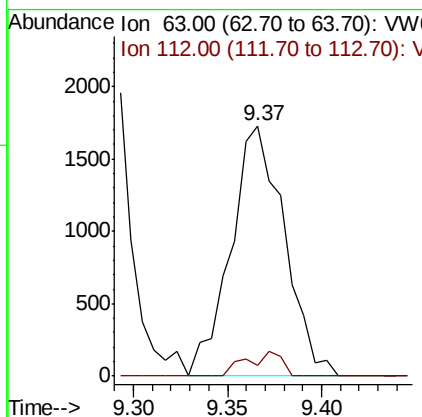
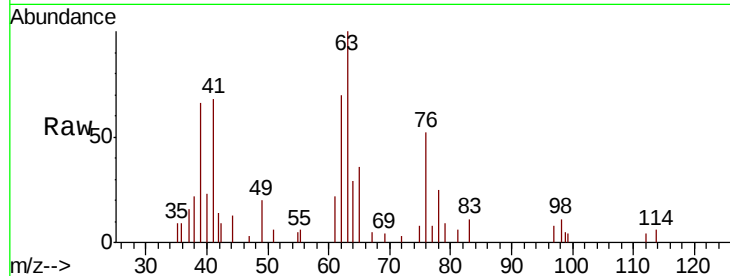




#37
 1,2-Dichloropropane
 Concen: 0.844 ug/L
 RT: 9.37 min Scan# 1224
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

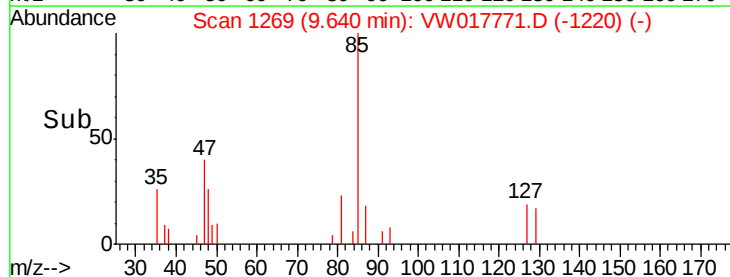
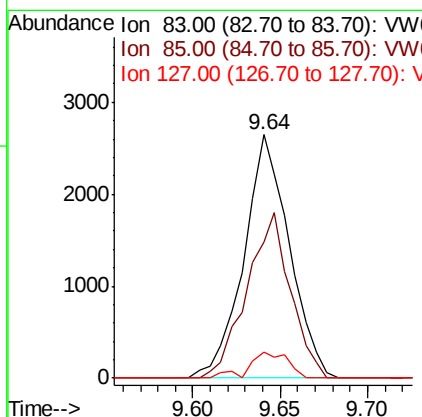
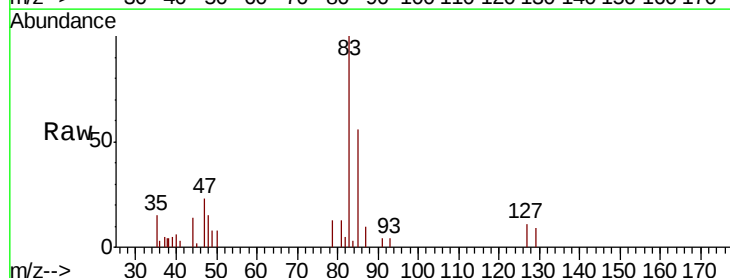
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

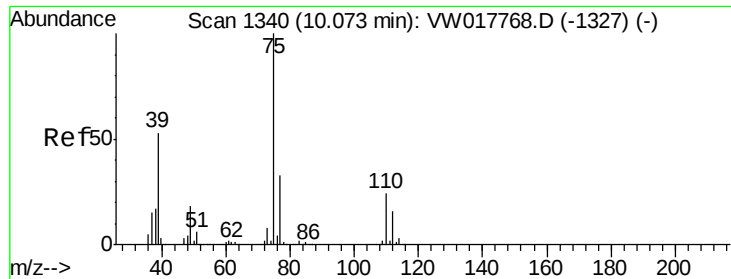
Tot Ion: 63 Resp: 3409
 Ion Ratio Lower Upper
 63 100
 112 3.3 3.6 5.4#



#38
 Bromodichloromethane
 Concen: 0.842 ug/L
 RT: 9.64 min Scan# 1269
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion: 83 Resp: 4797
 Ion Ratio Lower Upper
 83 100
 85 54.4 43.0 80.0
 127 10.2 6.1 9.1#

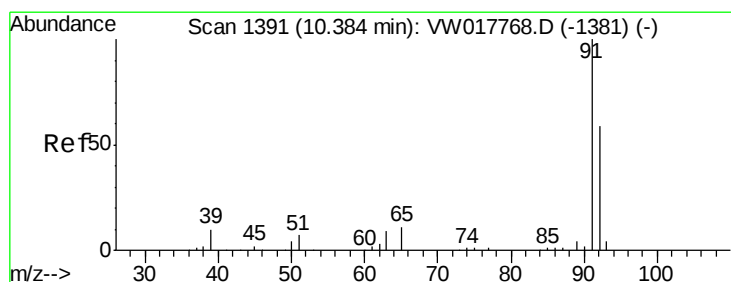
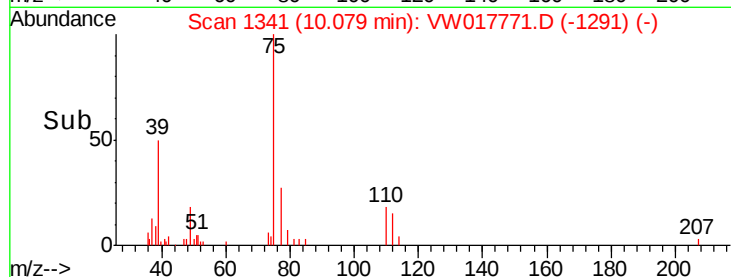
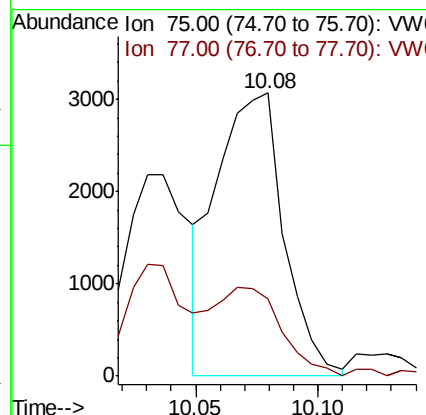
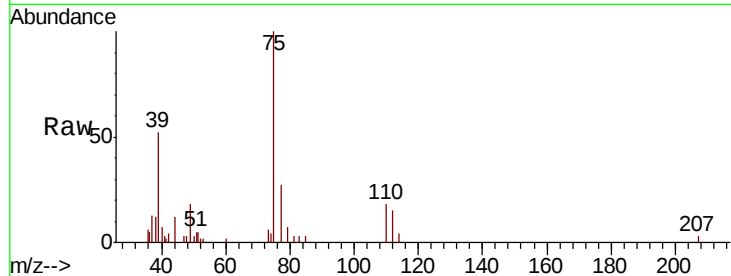




#39
 cis-1,3-Dichloropropene
 Concen: 0.885 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

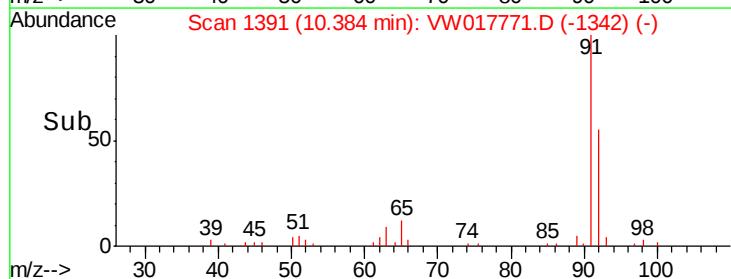
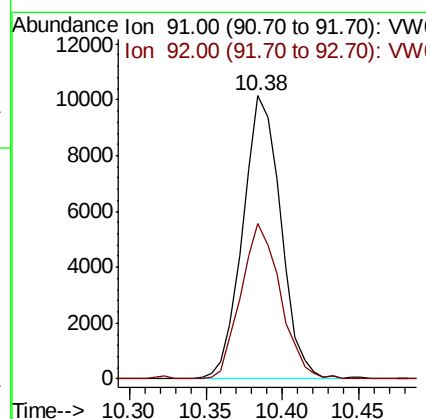
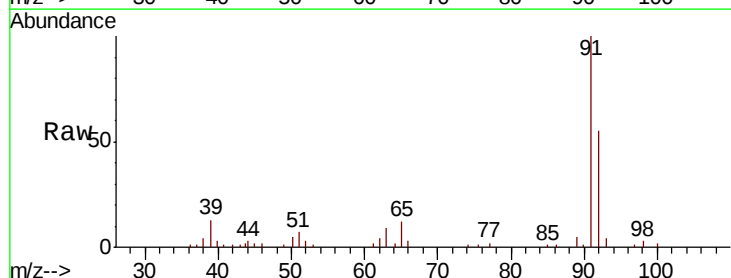
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

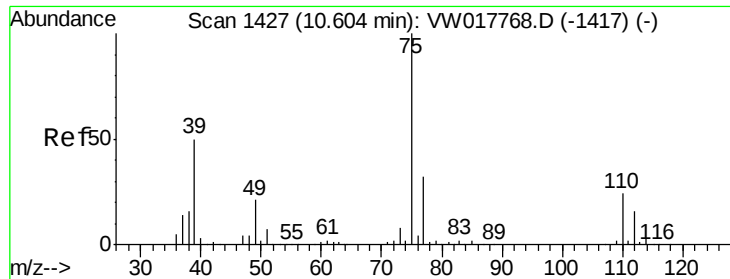
Tot Ion: 75 Resp: 5873
 Ion Ratio Lower Upper
 75 100
 77 27.4 22.4 41.6



#42
 Toluene
 Concen: 0.934 ug/L
 RT: 10.38 min Scan# 1391
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion: 91 Resp: 17530
 Ion Ratio Lower Upper
 91 100
 92 54.7 40.3 74.9





#44

trans-1,3-Dichloropropene

Concen: 0.791 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

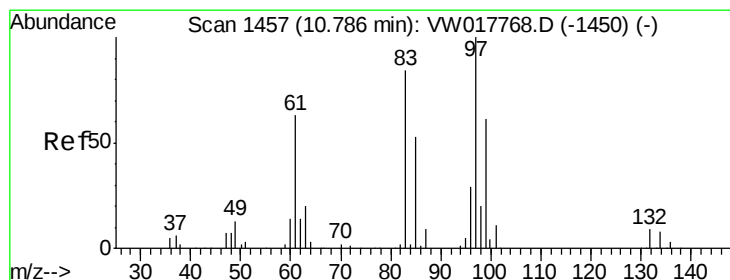
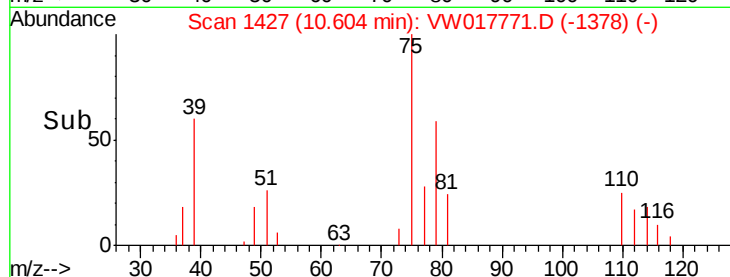
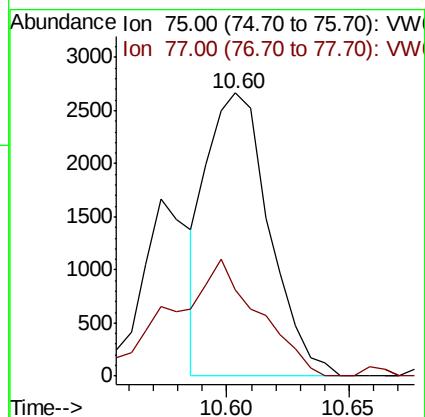
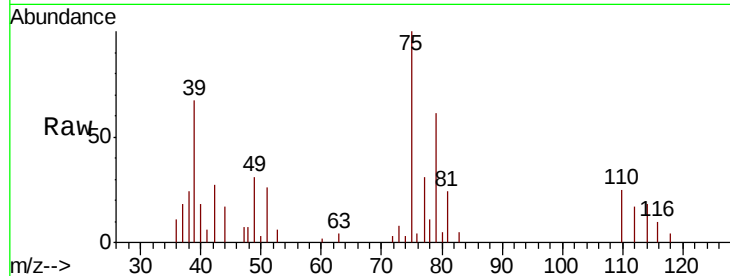
MDL-SOIL-QT1-2020-01

Tot Ion: 75 Resp: 4718

Ion Ratio Lower Upper

75 100

77 30.7 22.3 41.5



#45

1,1,2-Trichloroethane

Concen: 0.900 ug/L

RT: 10.79 min Scan# 1458

Delta R.T. 0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Tgt Ion: 97 Resp: 2914

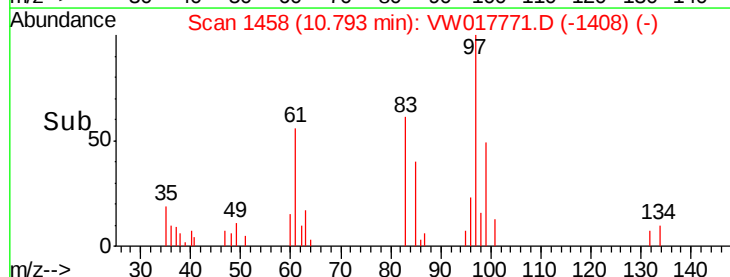
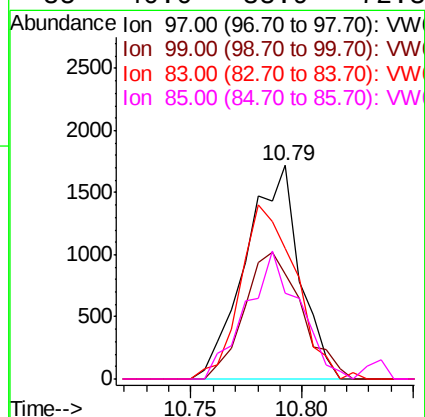
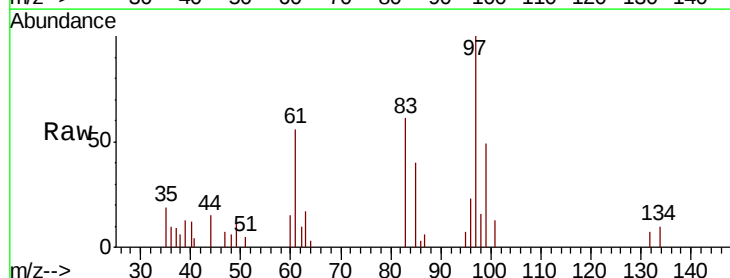
Ion Ratio Lower Upper

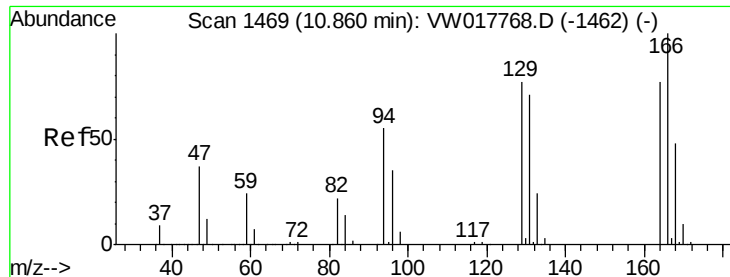
97 100

99 49.4 44.0 81.8

83 61.0 59.1 109.9

85 40.0 38.9 72.3





#46

Tetrachloroethene

Concen: 0.893 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tot Ion:164 Resp: 3115

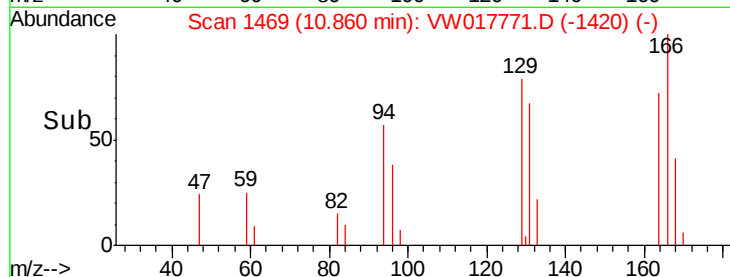
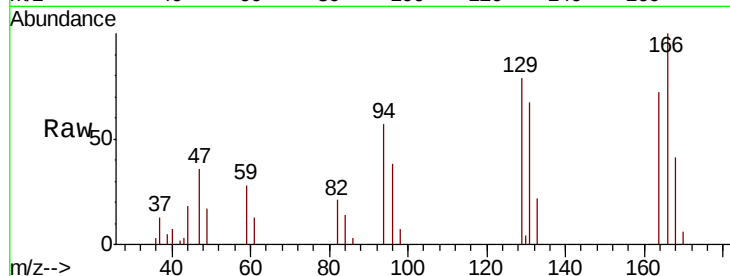
Ion Ratio Lower Upper

164 100

129 110.0 63.3 117.7

131 93.6 63.8 118.6

166 138.8 80.3 149.1

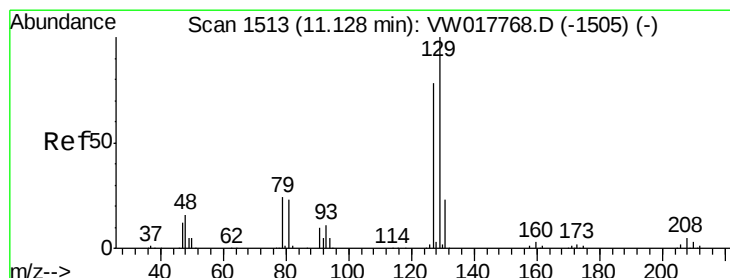
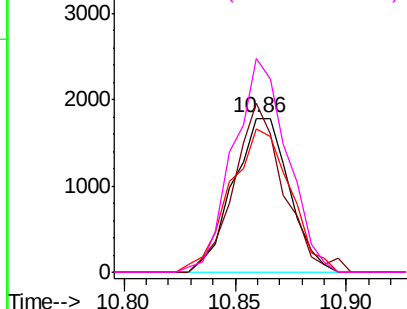


Abundance Ion 164.00 (163.70 to 164.70): V

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



#49

Dibromochloromethane

Concen: 0.811 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW017771.D

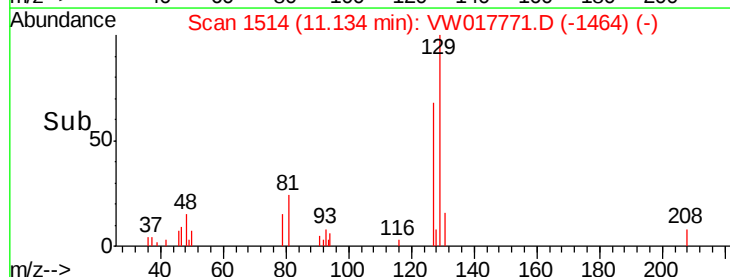
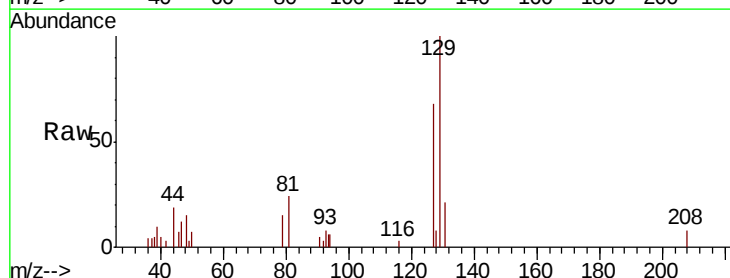
Acq: 29 Dec 2020 13:01

Tgt Ion:129 Resp: 3130

Ion Ratio Lower Upper

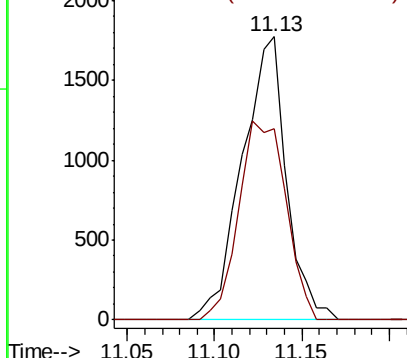
129 100

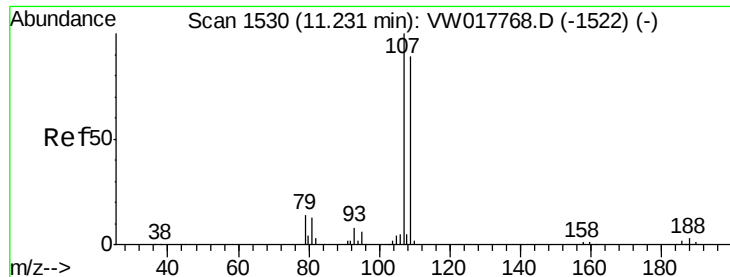
127 67.6 51.6 95.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

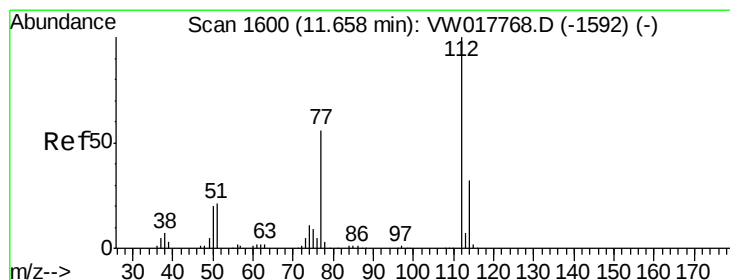
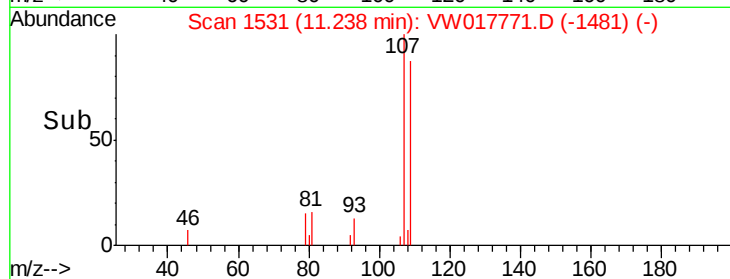
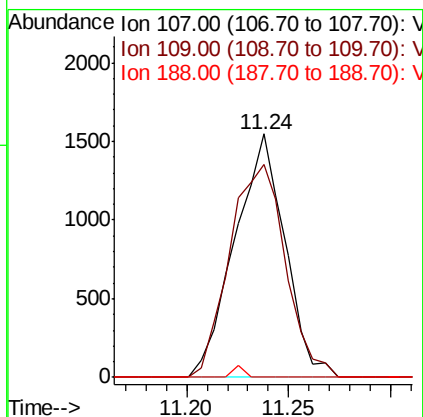
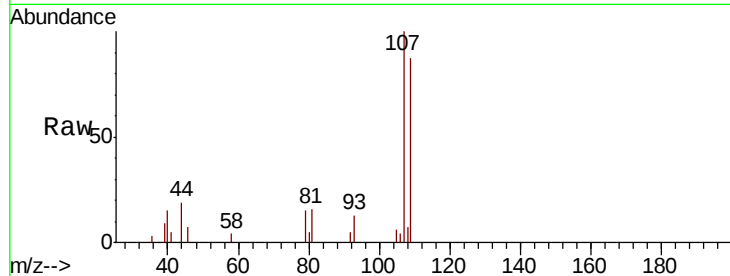




#50
1,2-Dibromoethane
Concen: 0.839 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

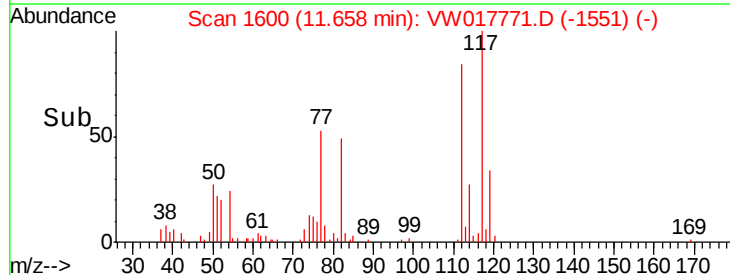
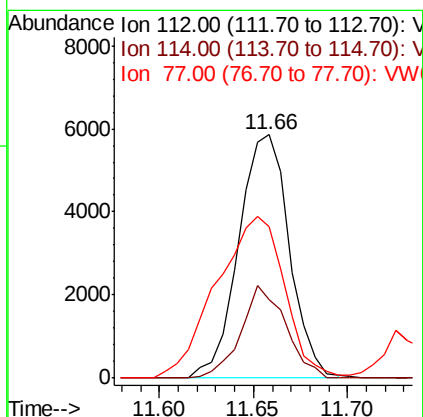
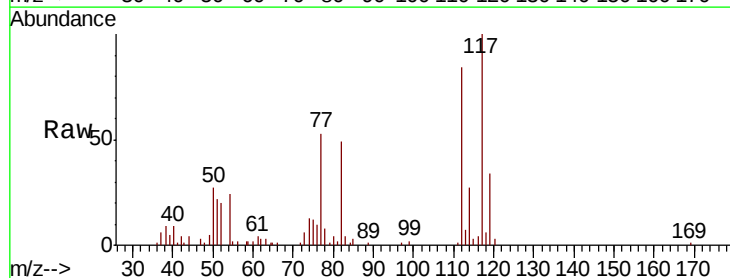
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

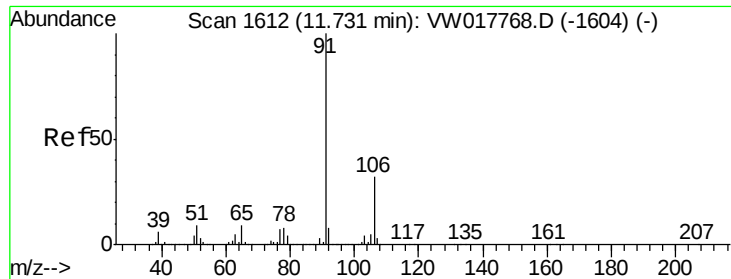
Tot Ion	Ratio	Lower	Upper
107	100		
109	87.5	69.3	128.7
188	0.0	2.7	4.1#



#51
Chlorobenzene
Concen: 0.919 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.5	22.3	41.3
77	62.3	45.8	68.6





#52

Ethylbenzene

Concen: 0.884 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

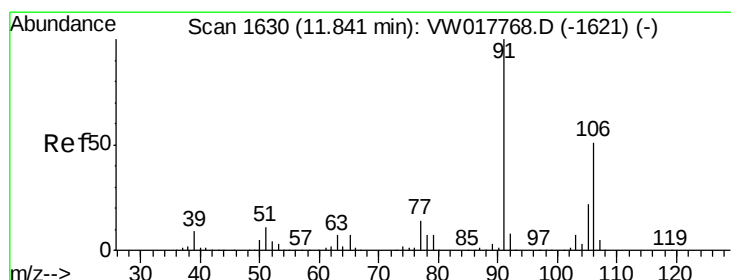
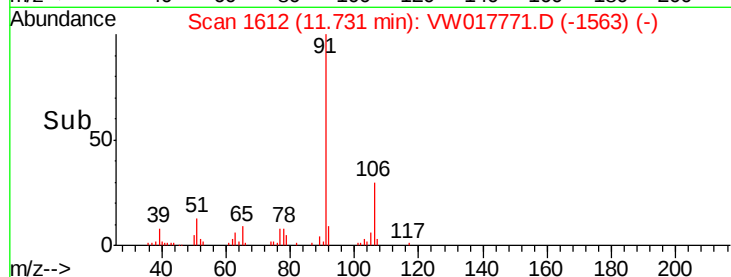
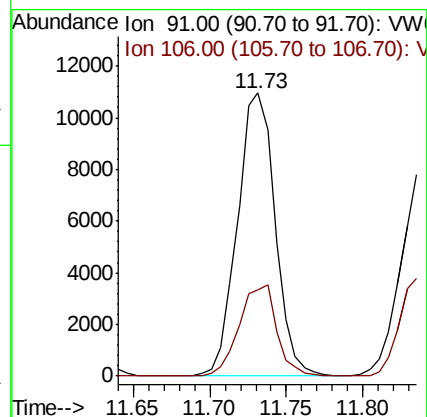
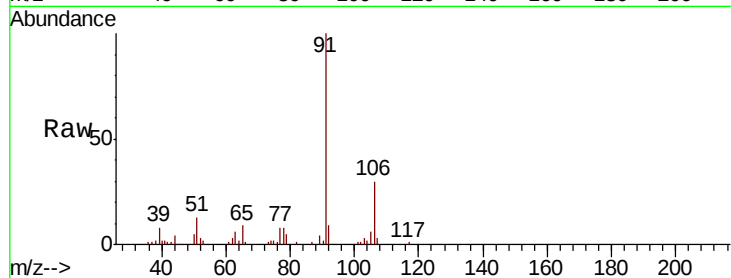
MDL-SOIL-QT1-2020-01

Tot Ion: 91 Resp: 18746

Ion Ratio Lower Upper

91 100

106 30.4 22.7 42.1



#53

m,p-Xylene

Concen: 0.901 ug/L

RT: 11.84 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017771.D

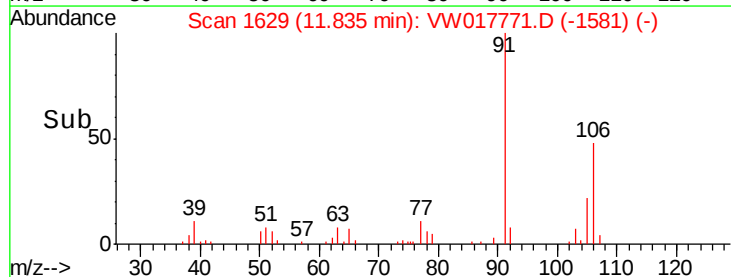
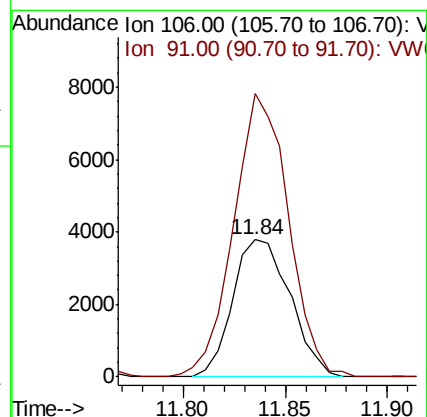
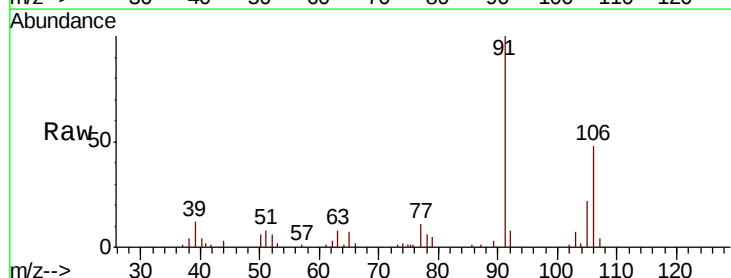
Acq: 29 Dec 2020 13:01

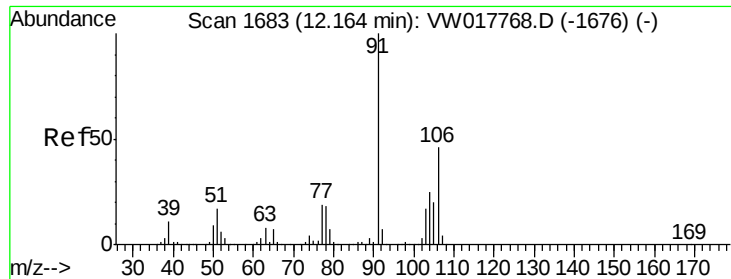
Tgt Ion: 106 Resp: 7383

Ion Ratio Lower Upper

106 100

91 206.8 135.6 251.8

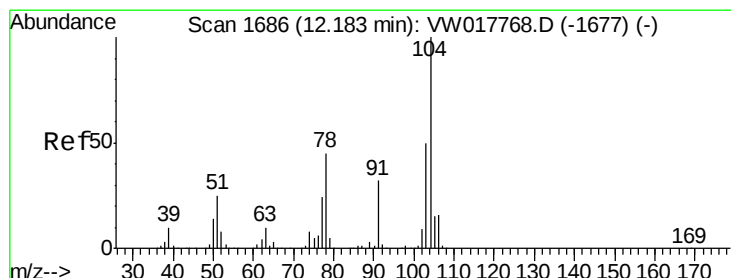
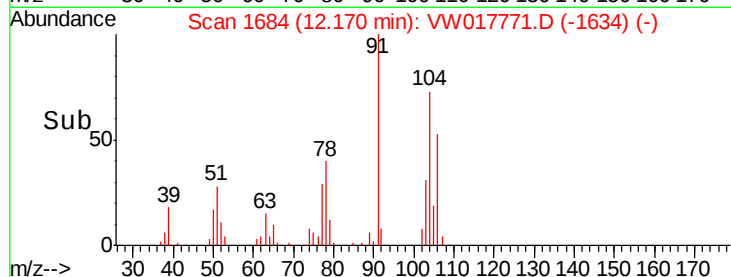
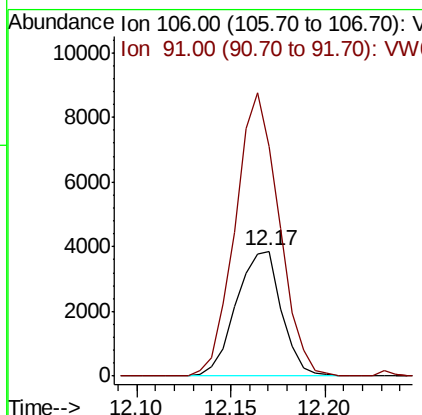
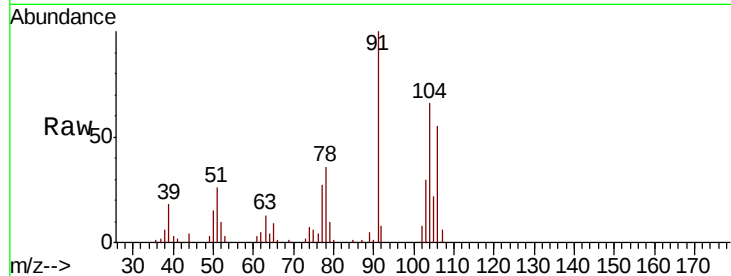




#54
o-Xylene
Concen: 0.822 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

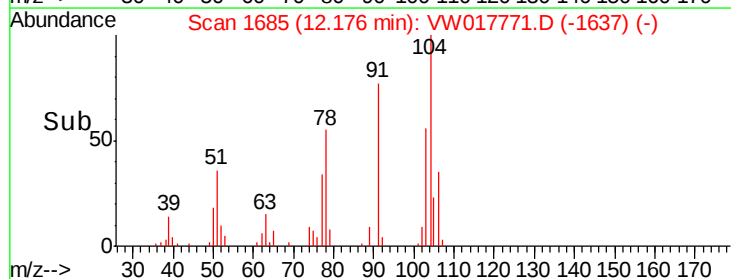
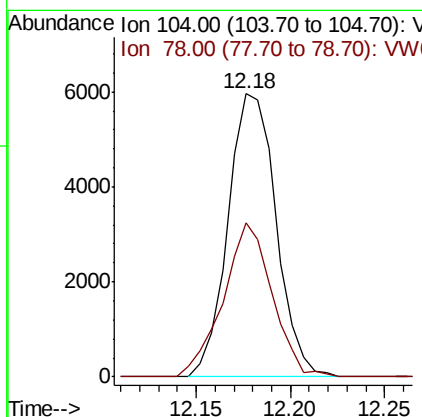
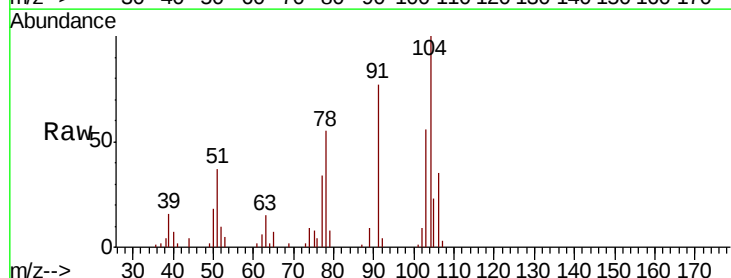
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

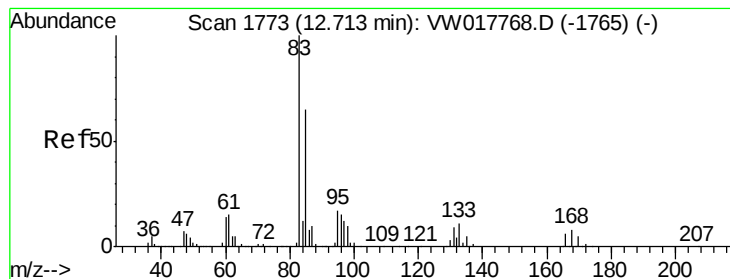
Tot Ion:106 Resp: 6424
Ion Ratio Lower Upper
106 100
91 183.1 152.2 282.6



#55
Styrene
Concen: 0.788 ug/L
RT: 12.18 min Scan# 1685
Delta R.T. -0.01 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion:104 Resp: 10540
Ion Ratio Lower Upper
104 100
78 54.6 31.9 59.3





#57

1,1,2,2-Tetrachloroethane

Concen: 0.985 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

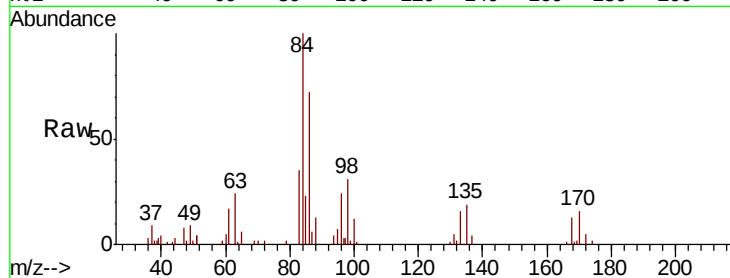
Tot Ion: 83 Resp: 3831

Ion Ratio Lower Upper

83 100

85 65.2 43.5 80.7

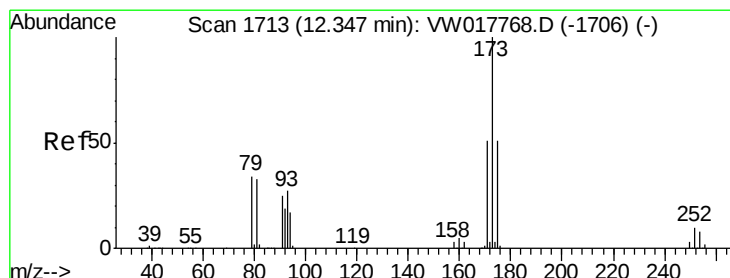
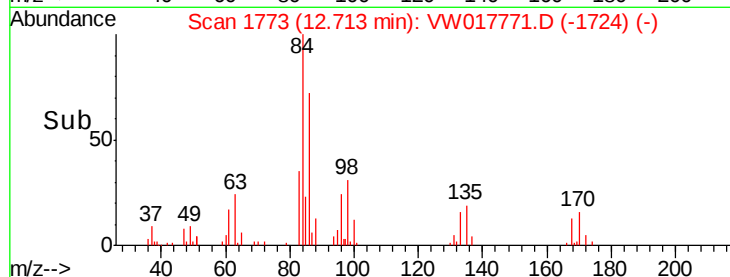
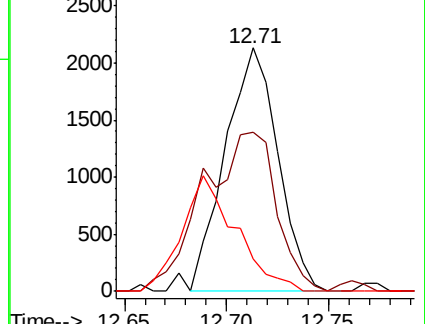
131 13.1 8.2 12.2#



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW

Ion 131.00 (130.70 to 131.70): V



#59

Bromoform

Concen: 0.799 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

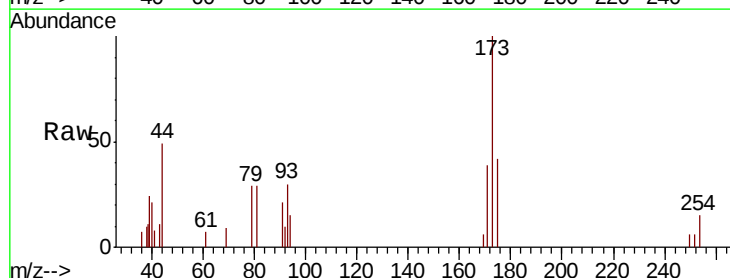
Tgt Ion:173 Resp: 1585

Ion Ratio Lower Upper

173 100

175 44.7 38.0 57.0

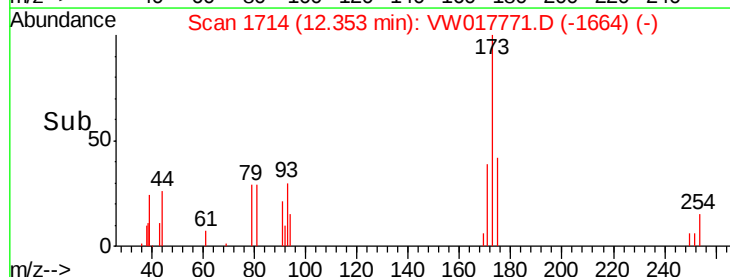
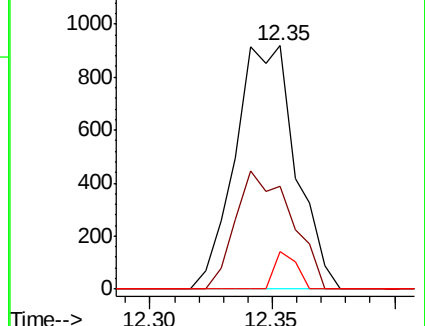
254 5.6 4.8 7.2

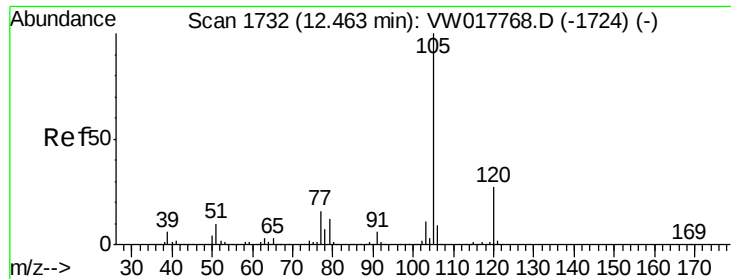


Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V





#60

Isopropylbenzene

Concen: 0.928 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

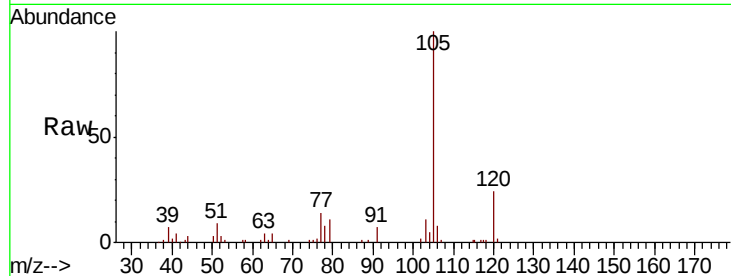
Tot Ion: 105 Resp: 18523

Ion Ratio Lower Upper

105 100

120 25.4 21.2 31.8

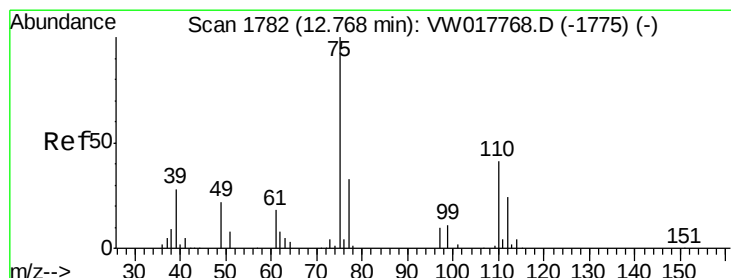
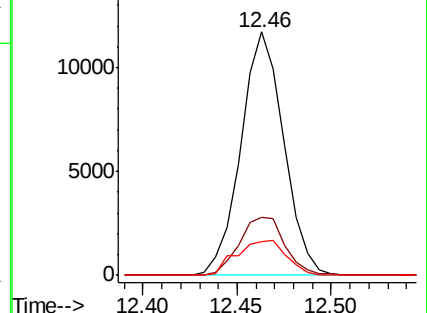
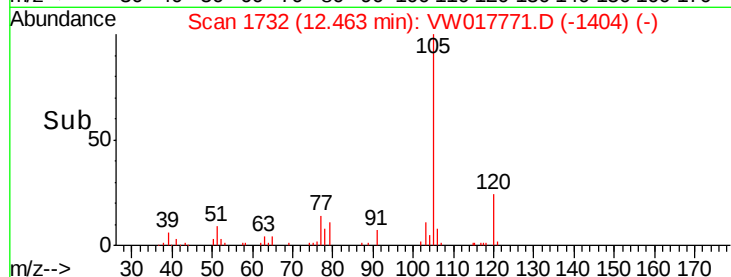
77 16.6 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): VW

Ion 120.00 (119.70 to 120.70): VW

Ion 77.00 (76.70 to 77.70): VW



#61

1,2,3-Trichloropropane

Concen: 0.992 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

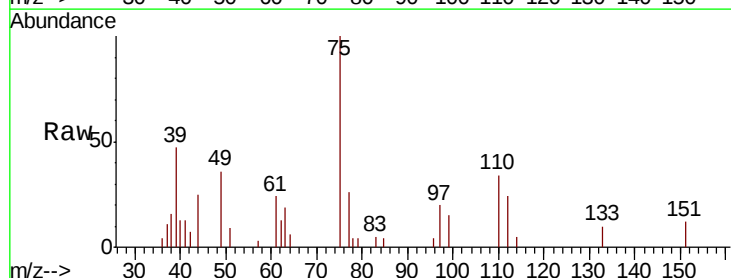
Tgt Ion: 75 Resp: 2739

Ion Ratio Lower Upper

75 100

77 31.3 25.7 38.5

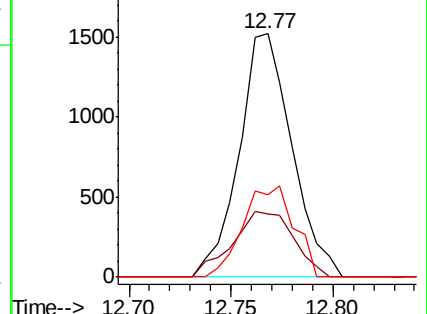
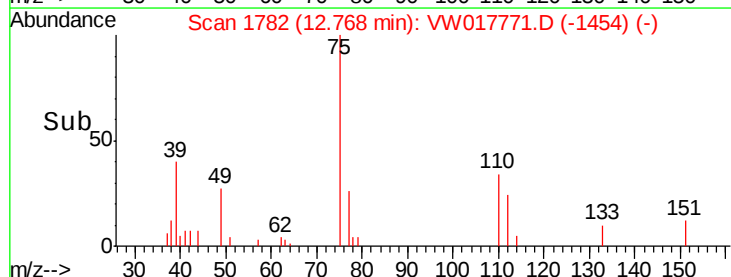
110 36.1 33.0 49.6

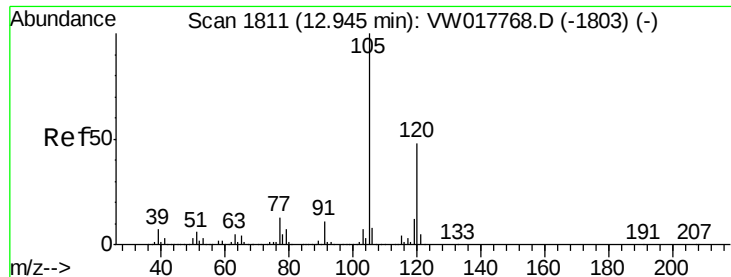


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): VW





#62

1,3,5-Trimethylbenzene

Concen: 0.842 ug/L

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW017771.D

Acq: 29 Dec 2020 13:01

Instrument :

MSVOA_W

ClientSampleId :

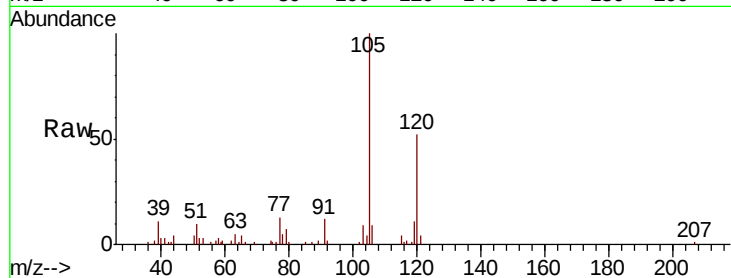
MDL-SOIL-QT1-2020-01

Tot Ion:105 Resp: 13762

Ion Ratio Lower Upper

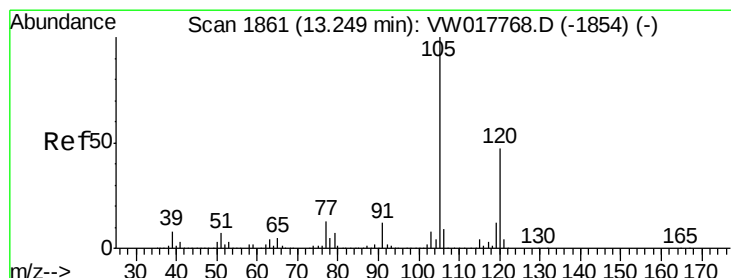
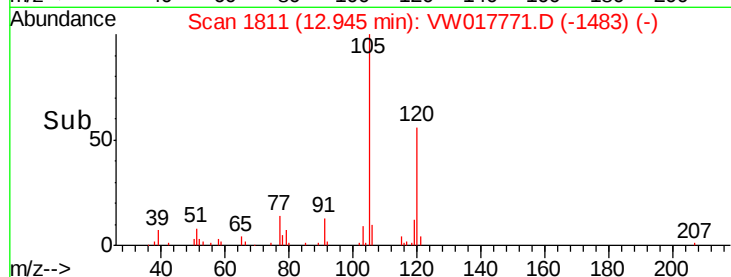
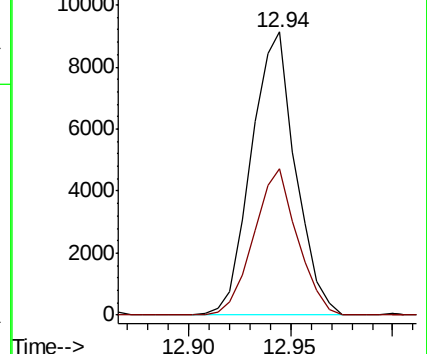
105 100

120 51.1 38.7 58.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#63

1,2,4-Trimethylbenzene

Concen: 0.855 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VW017771.D

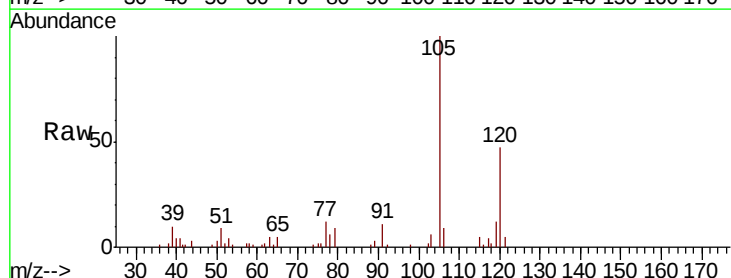
Acq: 29 Dec 2020 13:01

Tgt Ion:105 Resp: 14062

Ion Ratio Lower Upper

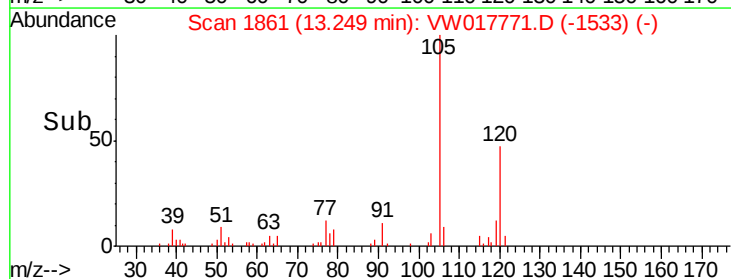
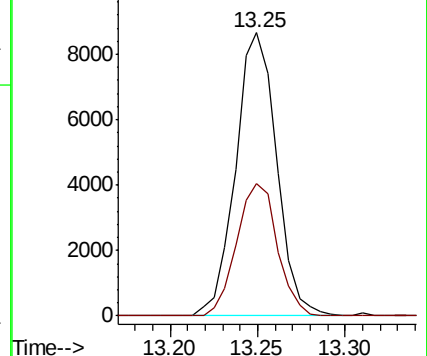
105 100

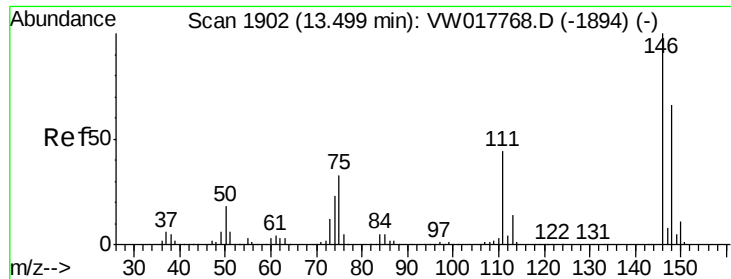
120 46.4 37.5 56.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

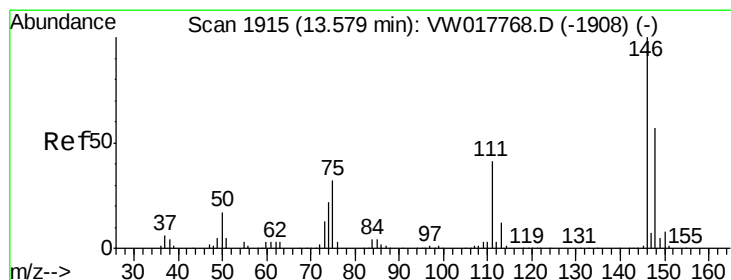
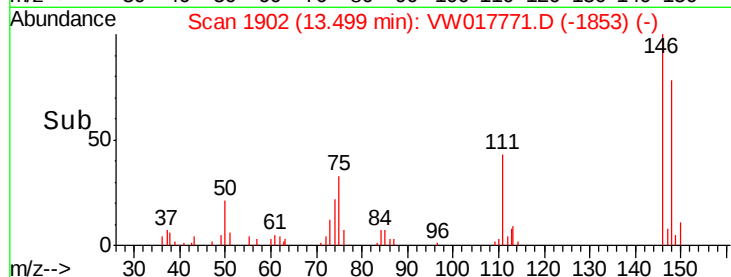
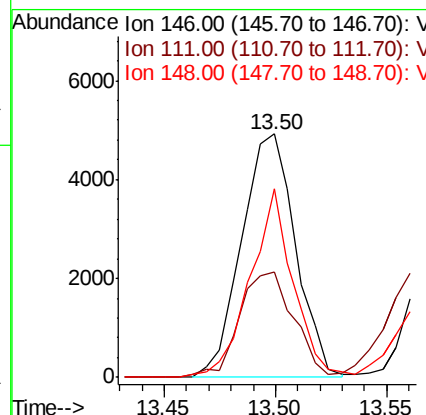
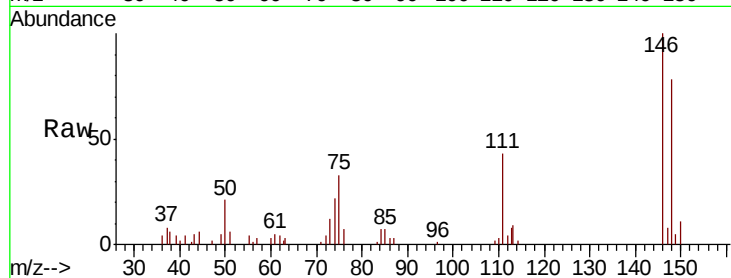




#64
 1,3-Dichlorobenzene
 Concen: 0.960 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

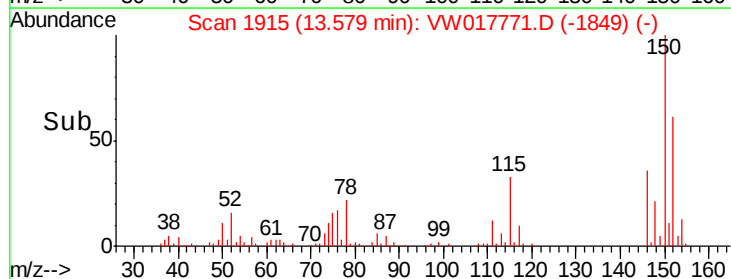
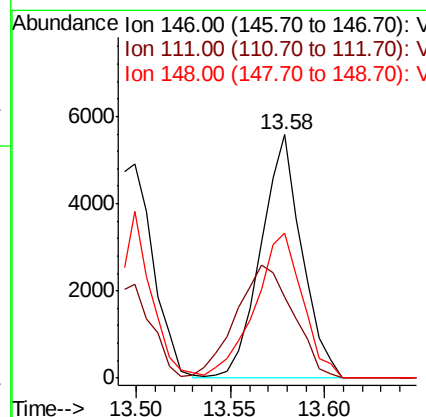
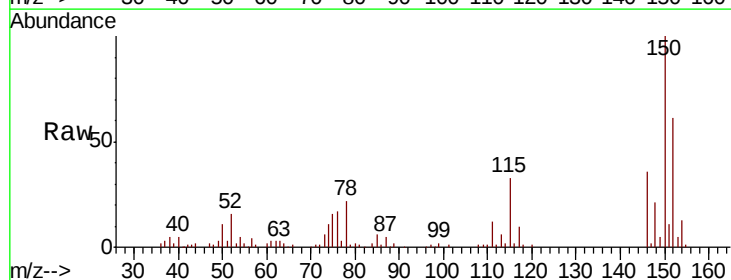
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

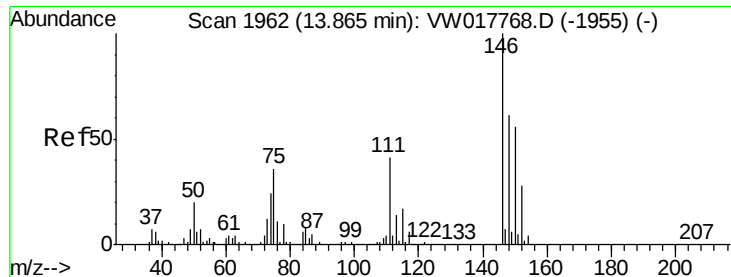
Tot Ion:146 Resp: 8310
 Ion Ratio Lower Upper
 146 100
 111 43.5 28.8 53.6
 148 77.6 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 0.973 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion:146 Resp: 8413
 Ion Ratio Lower Upper
 146 100
 111 33.3 27.6 51.2
 148 59.6 42.4 78.6

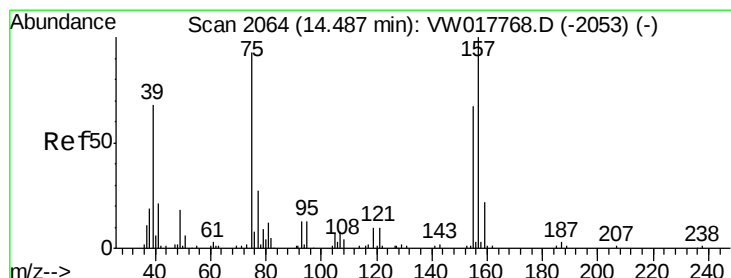
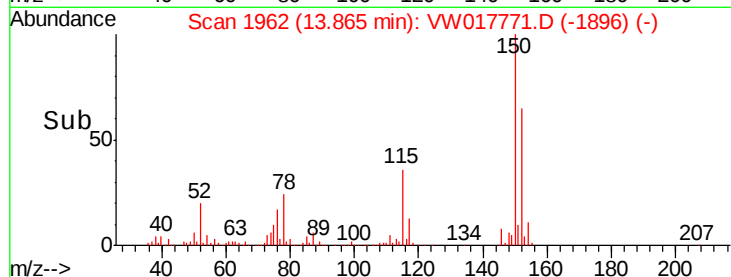
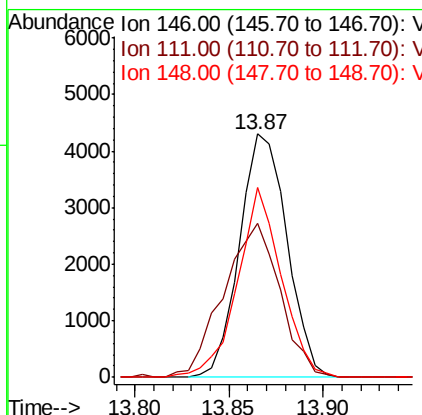
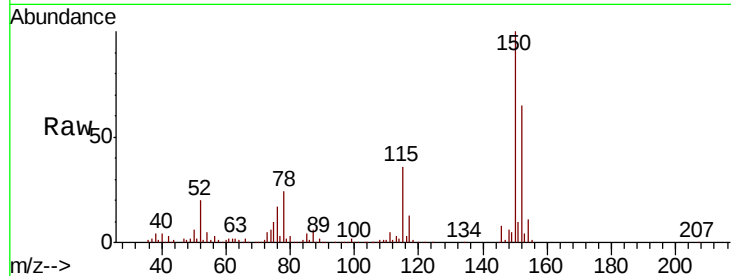




#67
 1,2-Dichlorobenzene
 Concen: 0.952 ug/L
 RT: 13.87 min Scan# 1962
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

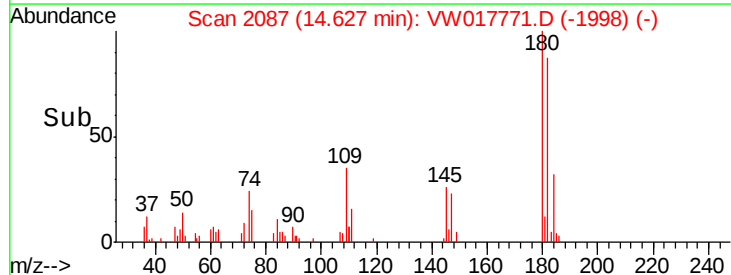
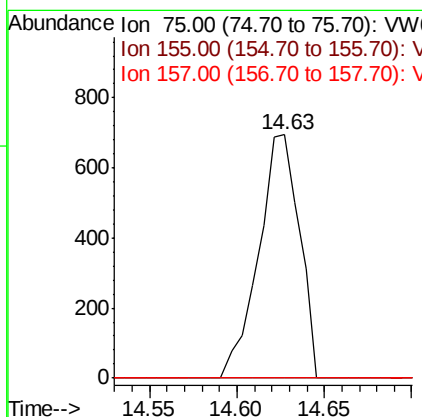
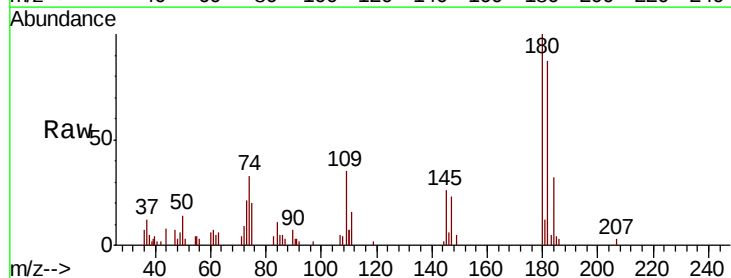
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

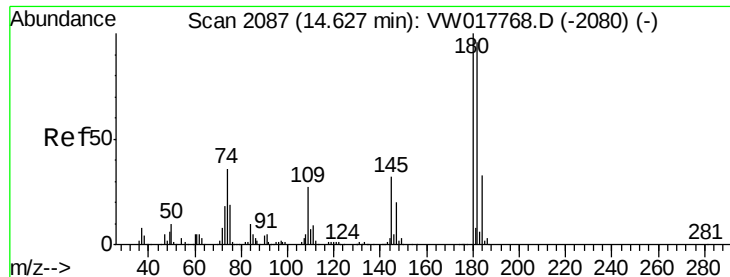
Tot Ion:146 Resp: 7527
 Ion Ratio Lower Upper
 146 100
 111 63.0 30.6 45.8#
 148 77.8 48.1 72.1#



#68
 1,2-Dibromo-3-chloropropane
 Concen: 1.795 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.14 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion: 75 Resp: 1132
 Ion Ratio Lower Upper
 75 100
 155 0.0 54.9 82.3#
 157 0.0 70.4 105.6#

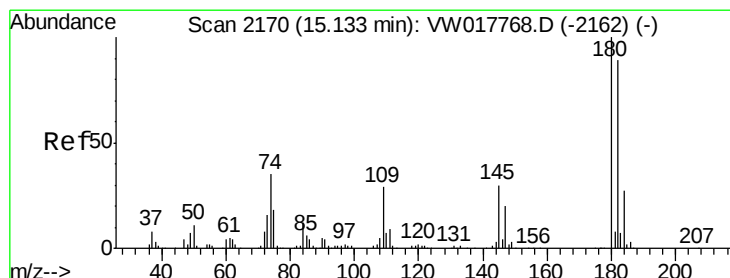
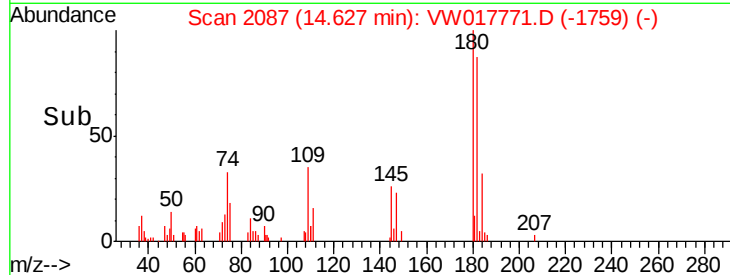
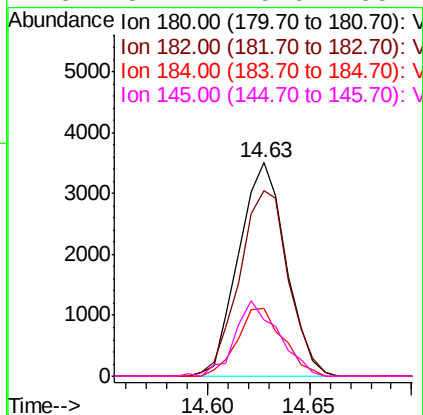
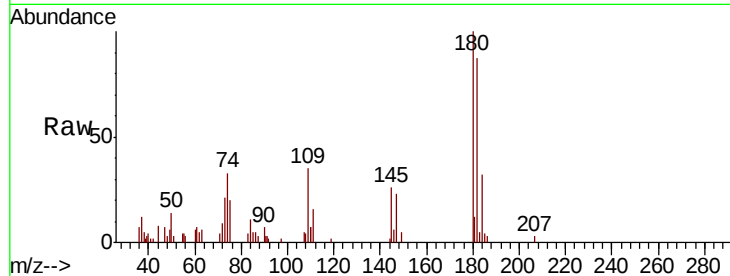




#69
 1,3,5-Trichlorobenzene
 Concen: 0.966 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

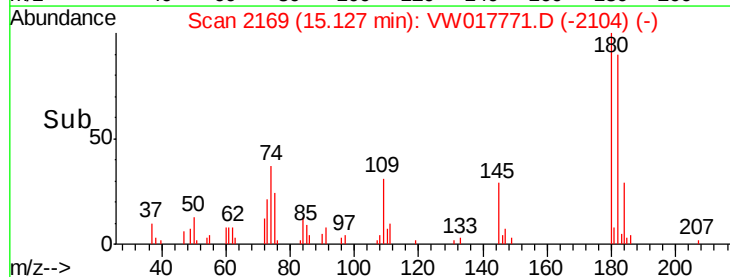
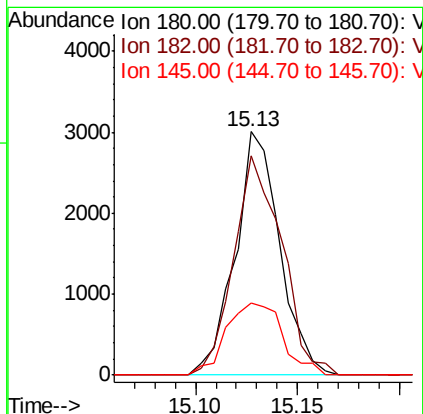
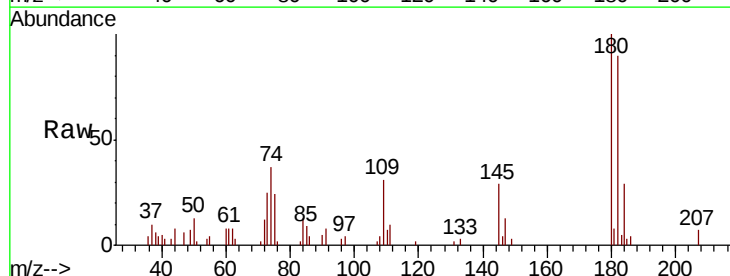
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

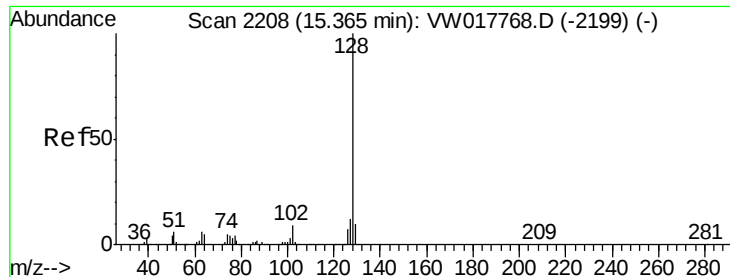
Tot Ion:180 Resp: 5661
 Ion Ratio Lower Upper
 180 100
 182 90.5 76.1 114.1
 184 30.8 24.2 36.4
 145 32.2 25.6 38.4



#70
 1,2,4-trichlorobenzene
 Concen: 0.902 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017771.D
 Acq: 29 Dec 2020 13:01

Tgt Ion:180 Resp: 4572
 Ion Ratio Lower Upper
 180 100
 182 96.5 72.3 108.5
 145 37.3 25.6 38.4

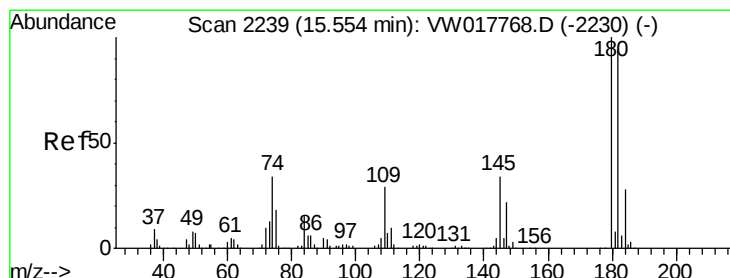
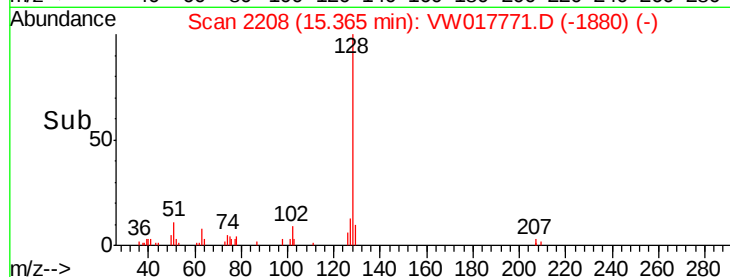
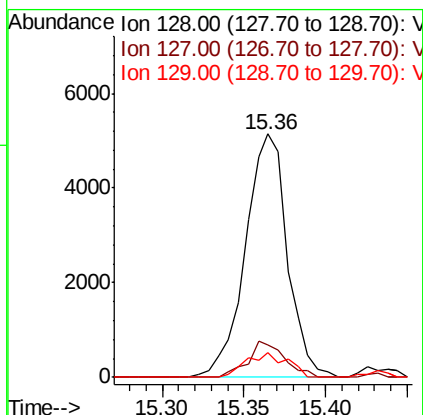
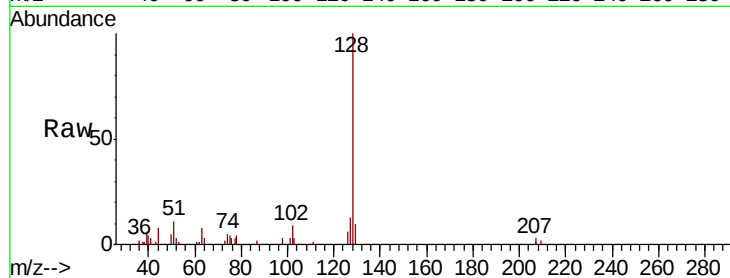




#71
Naphthalene
Concen: 0.845 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

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

Tot Ion:128 Resp: 9211
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.0 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 0.905 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017771.D
Acq: 29 Dec 2020 13:01

Tgt Ion:180 Resp: 4065
Ion Ratio Lower Upper
180 100
182 95.1 74.5 111.7
145 17.8 27.1 40.7#

