

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092220\
 Data File : VW016600.D
 Acq On : 21 Sep 2020 16:52
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-04

Quant Time: Sep 22 03:01:21 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 22 02:54:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	557160	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	492173	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	254303	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	144751	23.26	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	93.04%
7) Chloroethane-d5	2.90	69	114138	22.34	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.36%
11) 1,1-Dichloroethene-d2	4.03	63	216627	16.49	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.96%
21) 2-Butanone-d5	7.09	46	76167	54.12	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	108.24%
24) Chloroform-d	7.65	84	292943	22.32	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	89.28%
26) 1,2-Dichloroethane-d4	8.31	65	162721	24.27	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	97.08%
32) Benzene-d6	8.28	84	579354	23.05	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.20%
36) 1,2-Dichloropropane-d6	9.28	67	161116	23.31	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.24%
41) Toluene-d8	10.33	98	554011	22.59	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	90.36%
43) trans-1,3-Dichloropropene-	10.58	79	77446	23.10	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	92.40%
47) 2-Hexanone-d5	10.93	63	60310	55.43	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	110.86%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	140817	26.17	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	104.68%
66) 1,2-Dichlorobenzene-d4	13.85	152	215687	23.42	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	93.68%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chloromethane	2.22	50	6182	1.161	ug/L	96
5) Vinyl chloride	2.37	62	9171	1.202	ug/L #	61
6) Bromomethane	2.79	94	6764	1.154	ug/L	98
8) Chloroethane	2.94	64	4972	1.096	ug/L	96
9) Trichlorofluoromethane	3.28	101	6793	0.938	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.09	101	7122	0.991	ug/L #	89
12) 1,1-Dichloroethene	4.04	96	6044	0.841	ug/L #	1
13) Acetone	4.15	43	1976	2.081	ug/L	61
14) Carbon disulfide	4.40	76	22130	1.037	ug/L	99
16) Methylene chloride	4.93	84	21576	2.642	ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	7924	1.063	ug/L	93
18) Methyl tert-butyl Ether	5.45	73	10938	1.194	ug/L #	93
19) 1,1-Dichloroethane	6.23	63	12469	1.056	ug/L	99
20) cis-1,2-Dichloroethene	7.17	96	8532	1.101	ug/L	82
23) Bromochloromethane	7.52	128	4103	1.126	ug/L	90
25) Chloroform	7.68	83	13826	1.070	ug/L	91
27) 1,2-Dichloroethane	8.41	62	9717	1.211	ug/L	100

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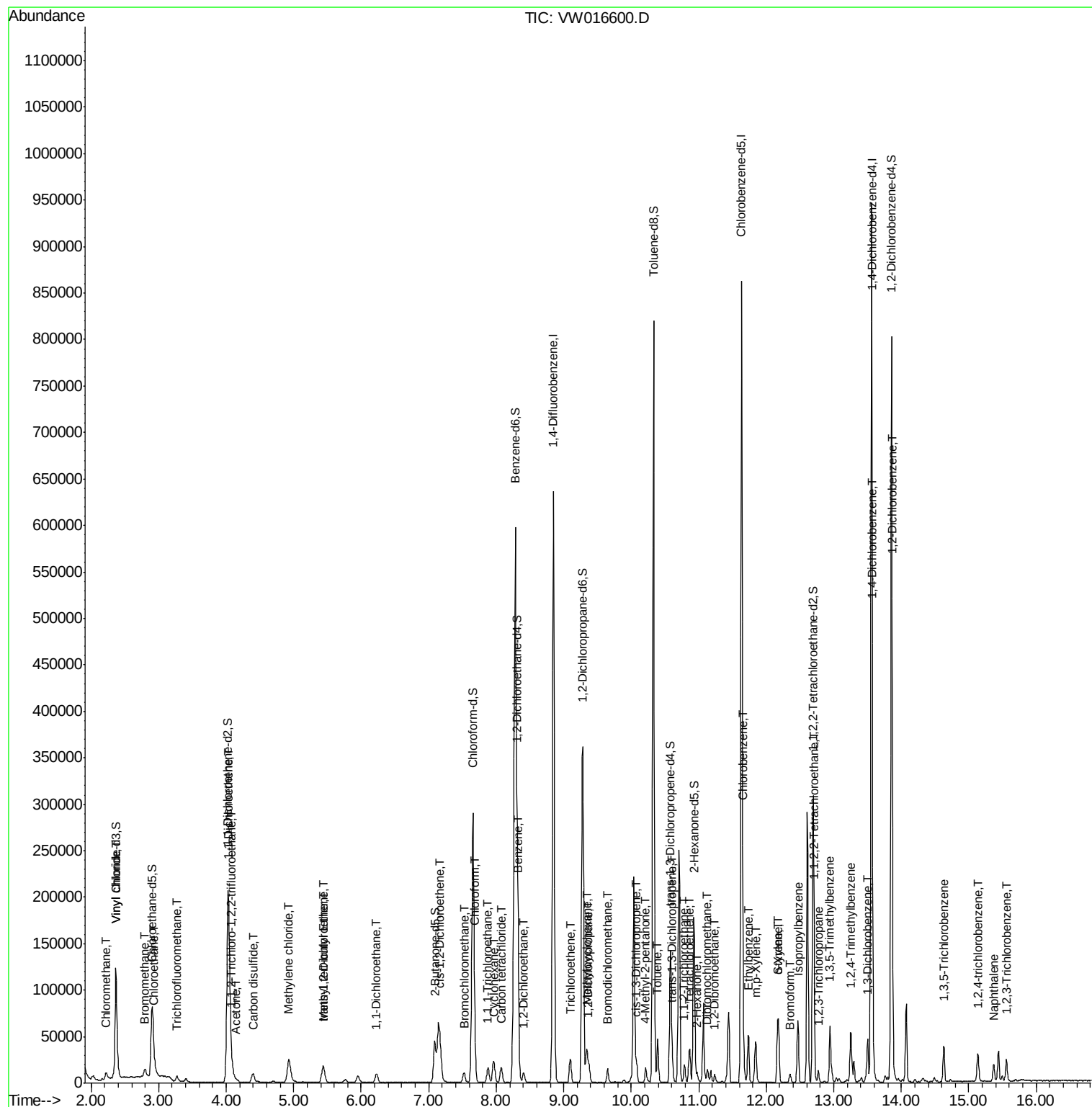
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	7.96	56	11626	1.058	ug/L	98
30) 1,1,1-Trichloroethane	7.88	97	12566	1.072	ug/L	98
31) Carbon tetrachloride	8.07	117	11988	1.050	ug/L	96
33) Benzene	8.33	78	29881	1.096	ug/L	100
34) Trichloroethene	9.10	95	8498	1.087	ug/L	95
35) Methylcyclohexane	9.34	83	14373	1.100	ug/L	96
37) 1,2-Dichloropropane	9.37	63	6789	1.092	ug/L #	96
38) Bromodichloromethane	9.65	83	9890	1.073	ug/L #	94
39) cis-1,3-Dichloropropene	10.08	75	10804	1.018	ug/L	93
40) 4-Methyl-2-pentanone	10.21	43	10265	2.947	ug/L	100
42) Toluene	10.39	91	33831	1.101	ug/L	92
44) trans-1,3-Dichloropropene	10.61	75	13683	1.503	ug/L	94
45) 1,1,2-Trichloroethane	10.79	97	5796	1.148	ug/L	95
46) Tetrachloroethene	10.87	164	7628	1.081	ug/L	99
48) 2-Hexanone	10.98	43	5377	2.482	ug/L #	92
49) Dibromochloromethane	11.13	129	6926	1.045	ug/L	99
50) 1,2-Dibromoethane	11.24	107	5897	1.179	ug/L #	98
51) Chlorobenzene	11.66	112	22287	1.094	ug/L	96
52) Ethylbenzene	11.73	91	36949	1.068	ug/L	96
53) m,p-Xylene	11.84	106	14166	1.051	ug/L	97
54) o-Xylene	12.17	106	13637	1.069	ug/L	92
55) Styrene	12.18	104	21668	1.020	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	6557	1.206	ug/L #	88
59) Bromoform	12.35	173	4132	1.007	ug/L #	97
60) Isopropylbenzene	12.47	105	37358	1.006	ug/L #	97
61) 1,2,3-Trichloropropane	12.77	75	5003	1.194	ug/L	97
62) 1,3,5-Trimethylbenzene	12.94	105	30261	0.990	ug/L	100
63) 1,2,4-Trimethylbenzene	13.25	105	30164	0.993	ug/L	97
64) 1,3-Dichlorobenzene	13.50	146	17955	1.054	ug/L	95
65) 1,4-Dichlorobenzene	13.58	146	17883	1.070	ug/L	94
67) 1,2-Dichlorobenzene	13.87	146	16467	1.092	ug/L #	94
69) 1,3,5-Trichlorobenzene	14.63	180	12571	1.000	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	10199	1.004	ug/L	98
71) Naphthalene	15.37	128	15560	0.913	ug/L	98
72) 1,2,3-Trichlorobenzene	15.56	180	8480	0.994	ug/L	95

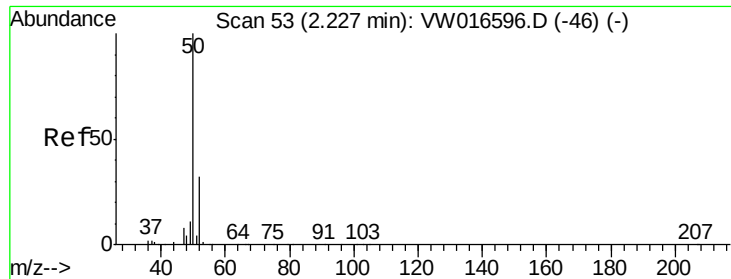
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#3

Chloromethane

Concen: 1.161 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

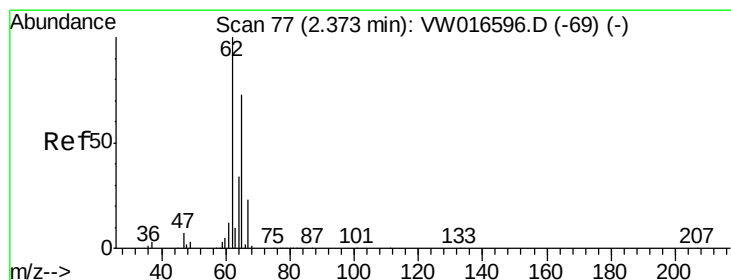
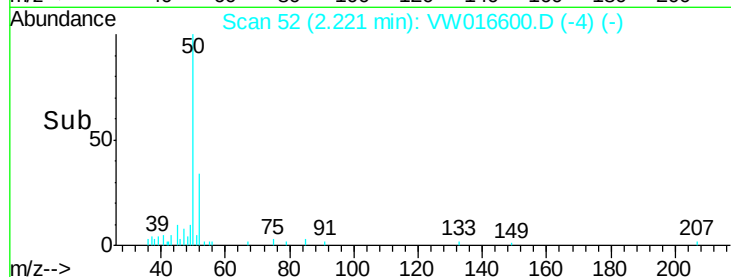
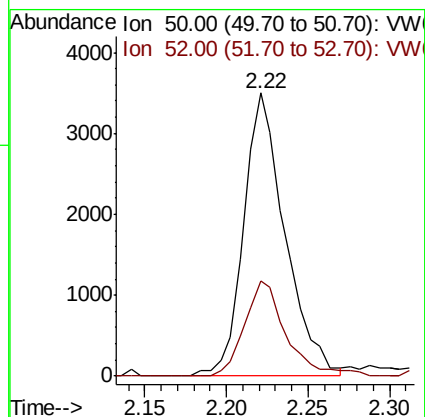
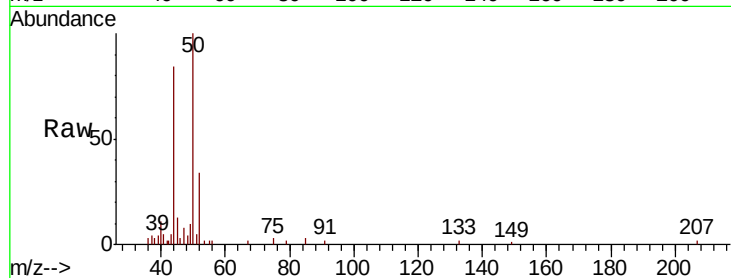
MDL-SOIL-04

Tot Ion: 50 Resp: 6182

Ion Ratio Lower Upper

50 100

52 33.8 22.1 41.1



#5

Vinyl chloride

Concen: 1.202 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016600.D

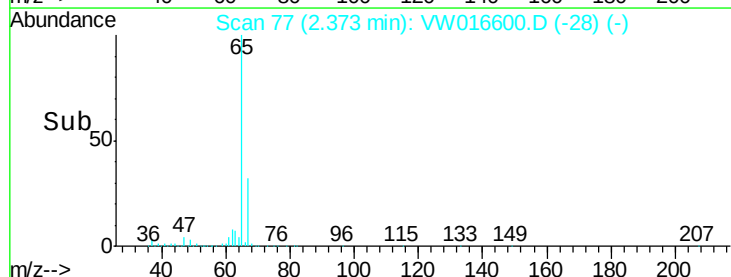
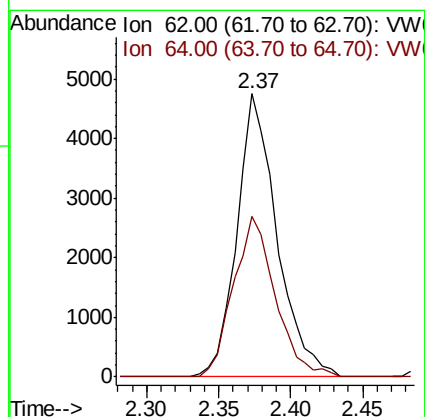
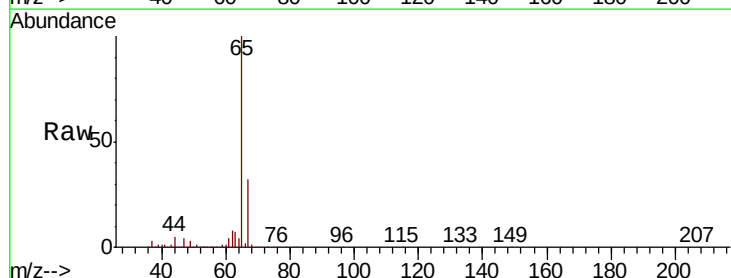
Acq: 21 Sep 2020 16:52

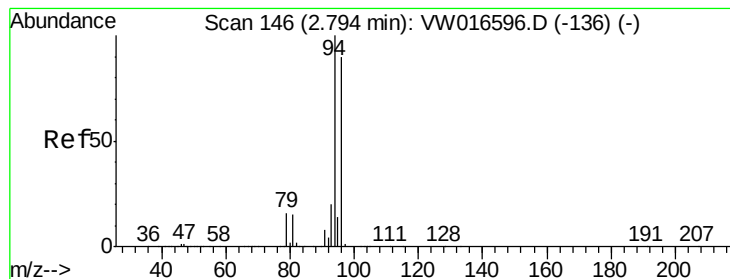
Tgt Ion: 62 Resp: 9171

Ion Ratio Lower Upper

62 100

64 56.7 24.1 44.7#





#6

Bromomethane

Concen: 1.154 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampled :

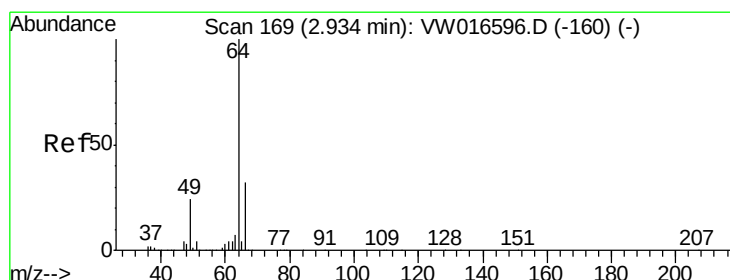
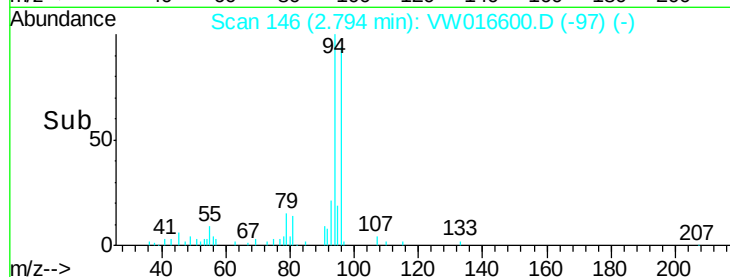
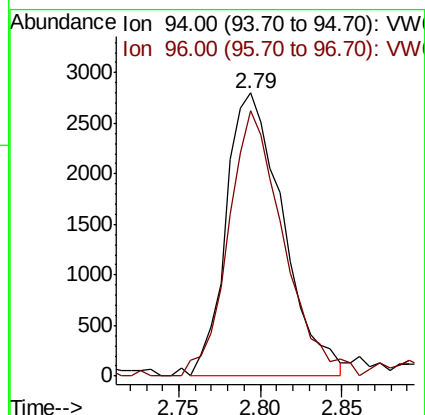
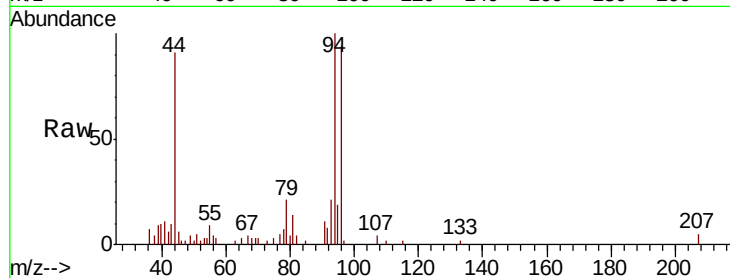
MDL-SOIL-04

Tot Ion: 94 Resp: 6764

Ion Ratio Lower Upper

94 100

96 93.6 64.2 119.2



#8

Chloroethane

Concen: 1.096 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016600.D

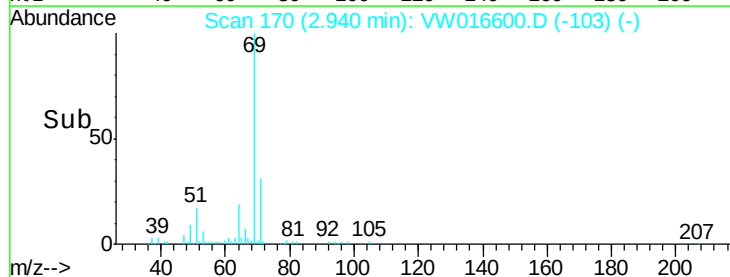
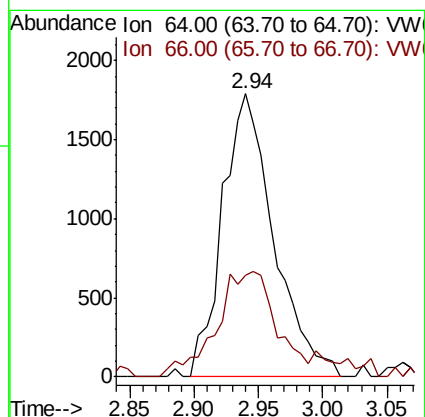
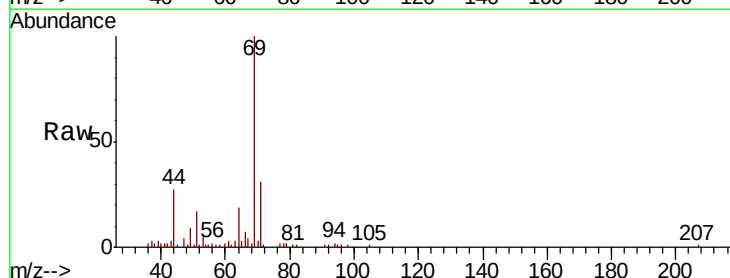
Acq: 21 Sep 2020 16:52

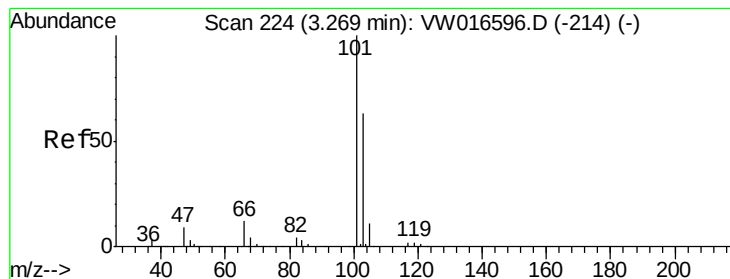
Tgt Ion: 64 Resp: 4972

Ion Ratio Lower Upper

64 100

66 35.7 23.5 43.7



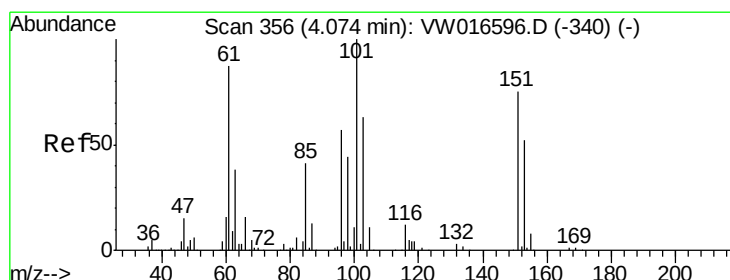
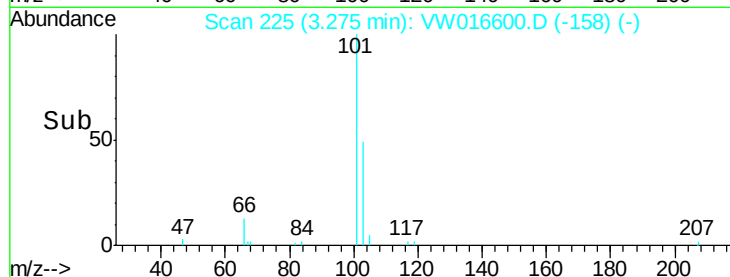
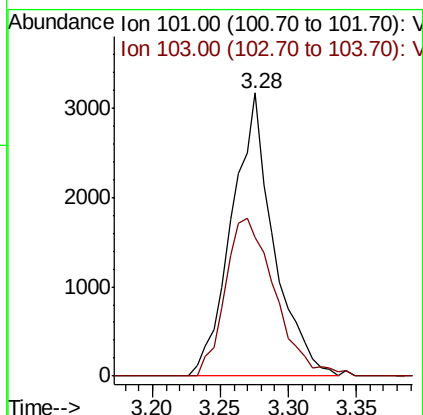
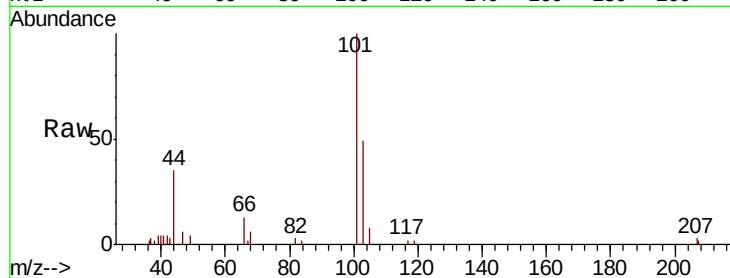


#9

Trichlorofluoromethane
Concen: 0.938 ug/L
RT: 3.28 min Scan# 225
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-04

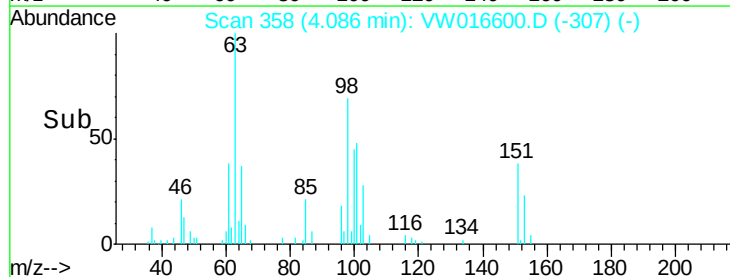
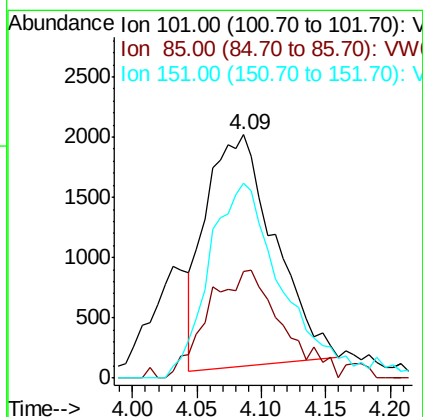
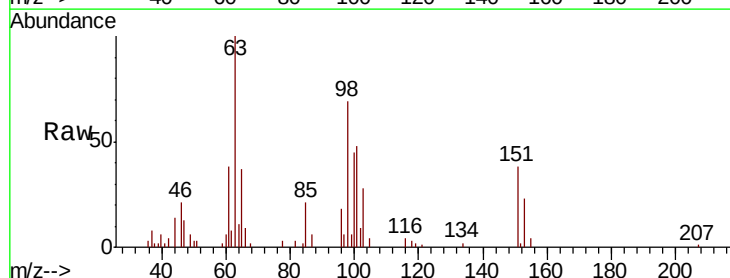
Tot Ion:101 Resp: 6793
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8

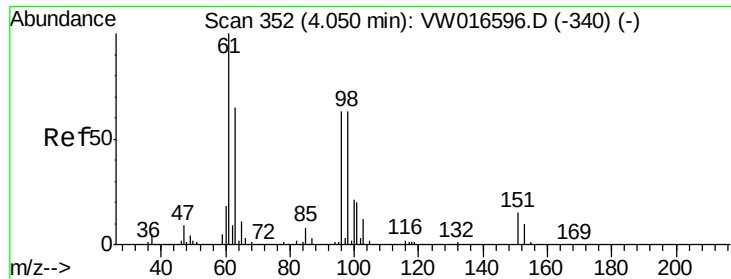


#10

1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 0.991 ug/L
RT: 4.09 min Scan# 358
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion:101 Resp: 7122
Ion Ratio Lower Upper
101 100
85 28.2 32.2 48.2#
151 89.6 66.8 100.2

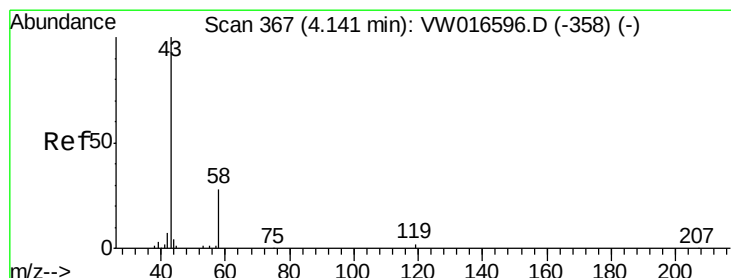
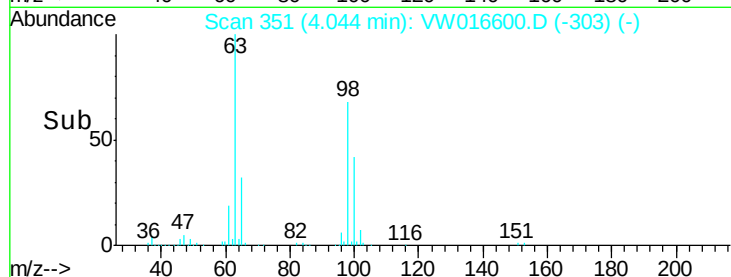
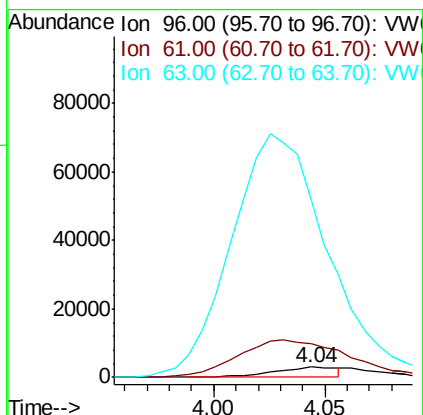
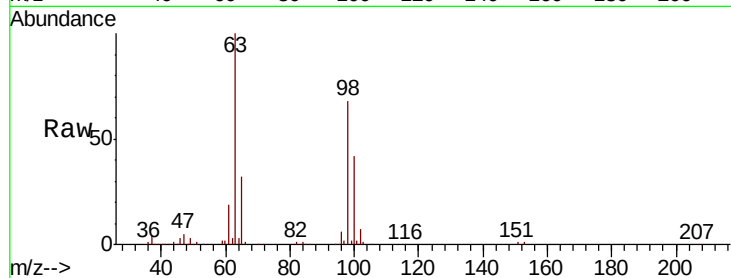




#12
 1,1-Dichloroethene
 Concen: 0.841 ug/L
 RT: 4.04 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

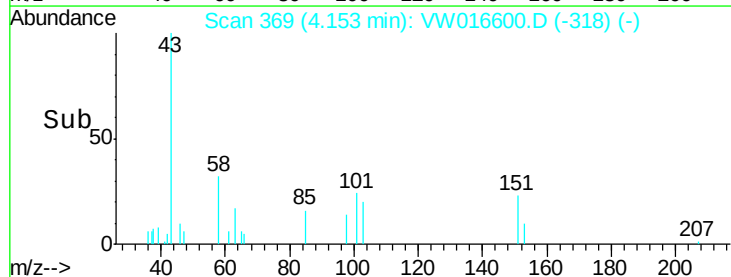
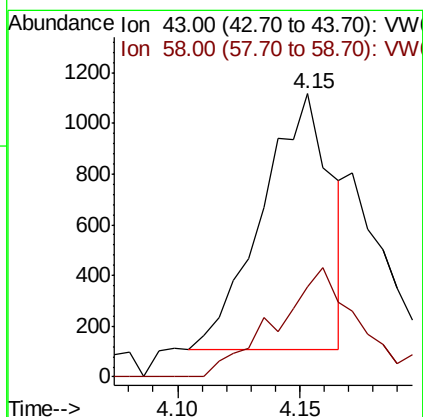
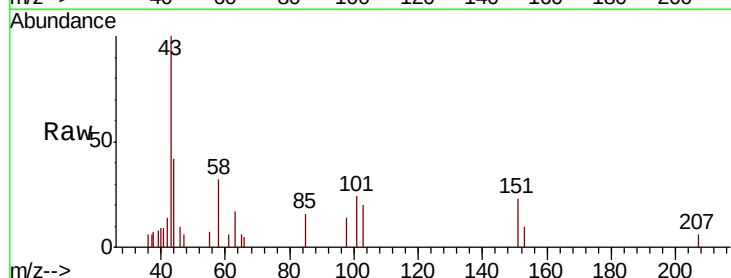
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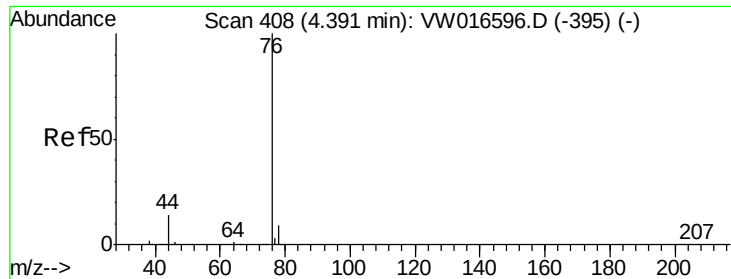
Tot Ion: 96 Resp: 6044
 Ion Ratio Lower Upper
 96 100
 61 335.9 112.1 208.3#
 63 1759.8 74.2 137.8#



#13
 Acetone
 Concen: 2.081 ug/L
 RT: 4.15 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt Ion: 43 Resp: 1976
 Ion Ratio Lower Upper
 43 100
 58 50.7 0.0 59.4

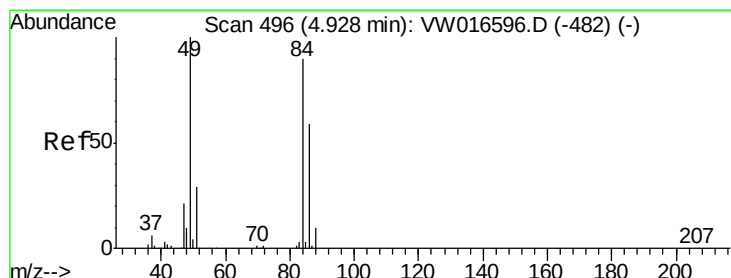
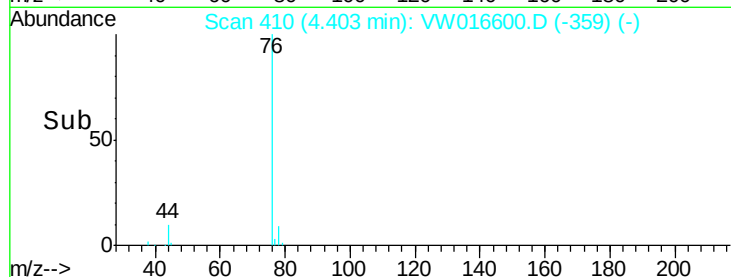
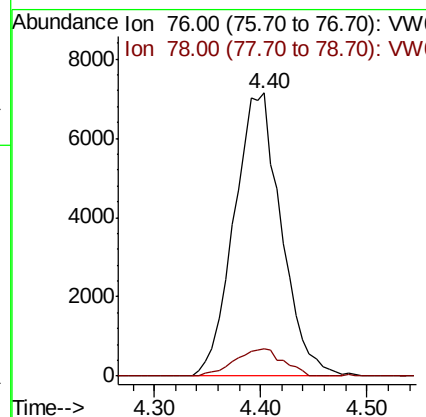
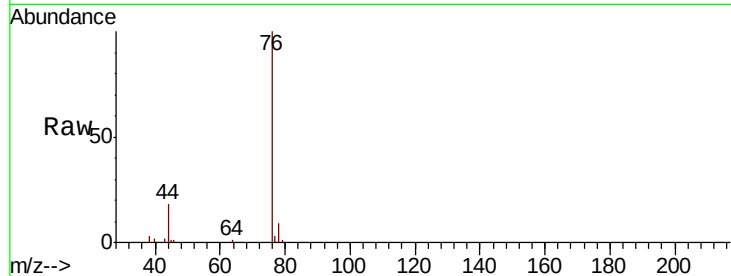




#14
Carbon disulfide
Concen: 1.037 ug/L
RT: 4.40 min Scan# 410
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

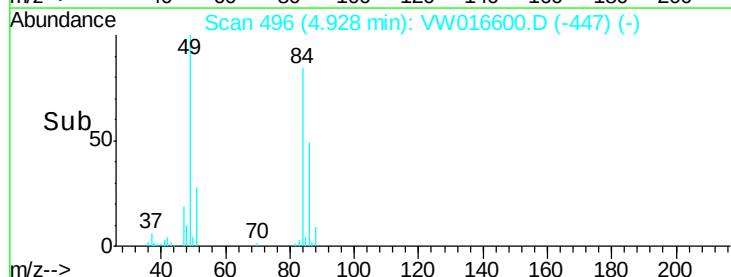
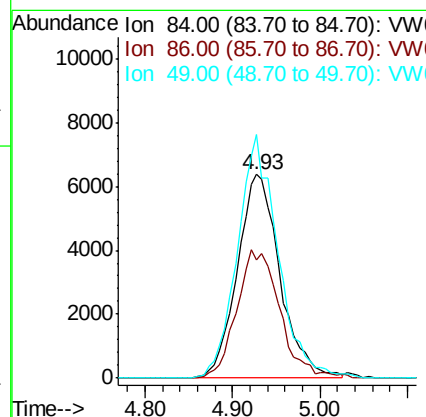
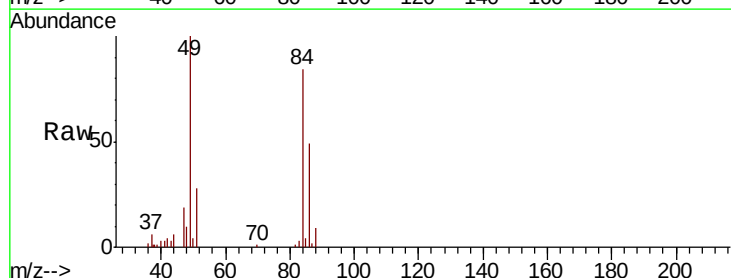
Instrument :
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ClientSampled :
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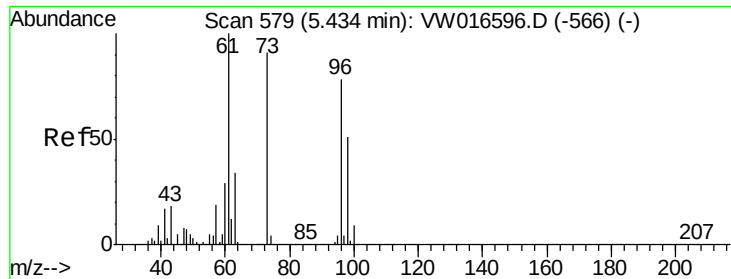
Tot Ion: 76 Resp: 22130
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9



#16
Methylene chloride
Concen: 2.642 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion: 84 Resp: 21576
Ion Ratio Lower Upper
84 100
86 58.3 46.2 85.8
49 119.5 82.8 153.8

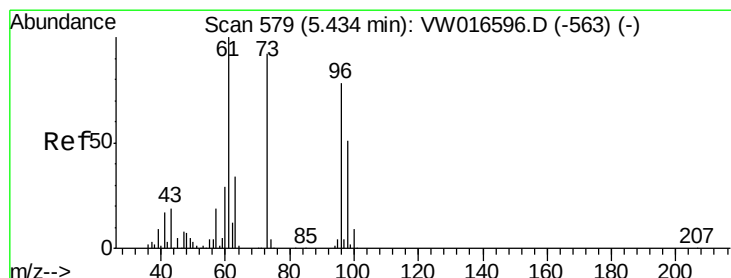
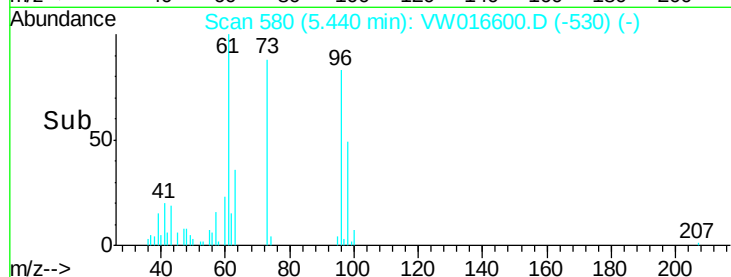
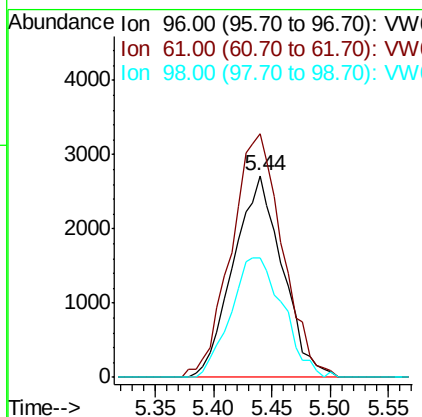
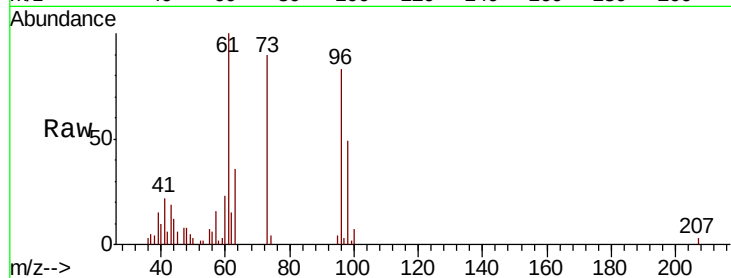




#17
trans-1,2-Dichloroethene
Concen: 1.063 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

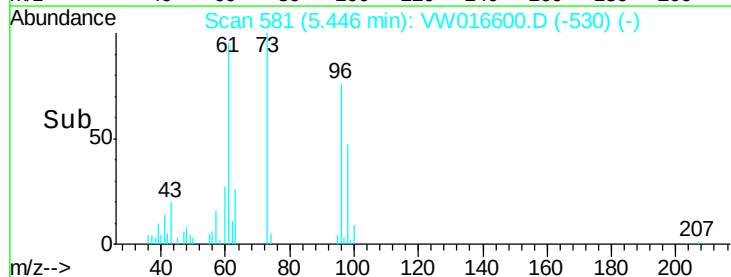
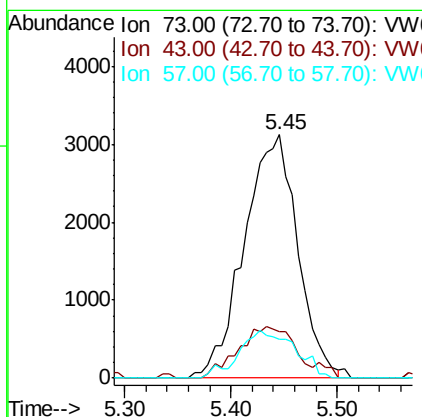
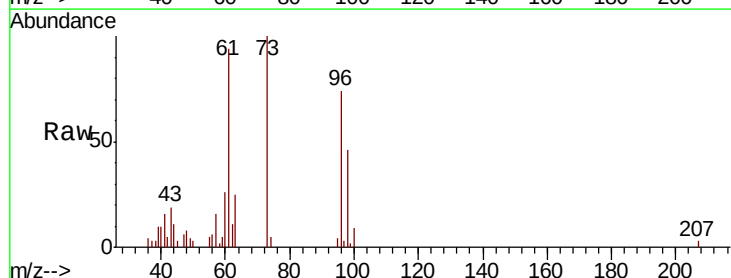
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-04

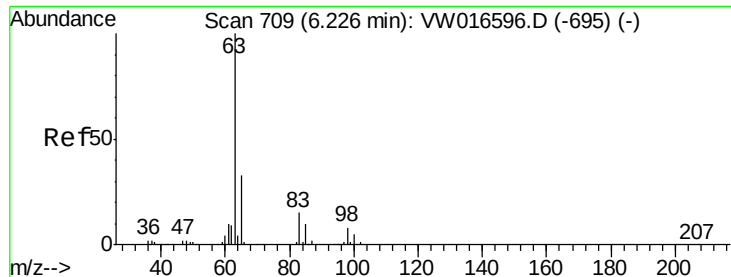
Tot Ion: 96 Resp: 7924
Ion Ratio Lower Upper
96 100
61 120.8 89.7 166.7
98 59.2 46.4 86.2



#18
Methyl tert-butyl Ether
Concen: 1.194 ug/L
RT: 5.45 min Scan# 581
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion: 73 Resp: 10938
Ion Ratio Lower Upper
73 100
43 22.2 17.0 25.6
57 14.8 16.3 24.5#

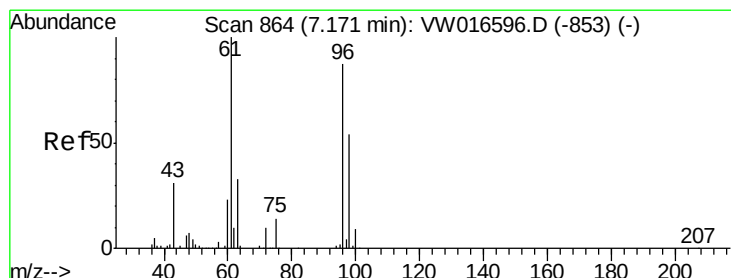
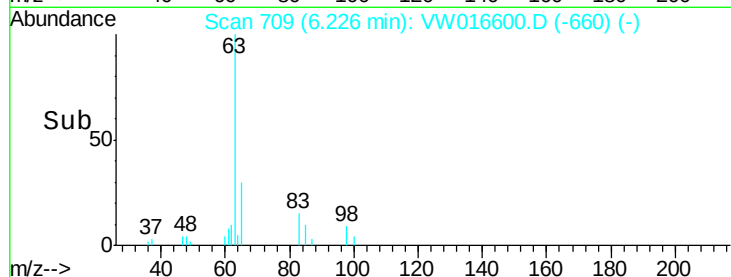
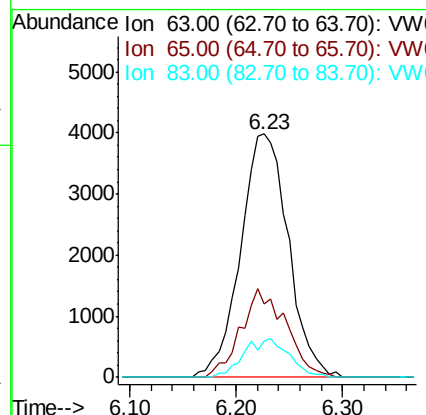
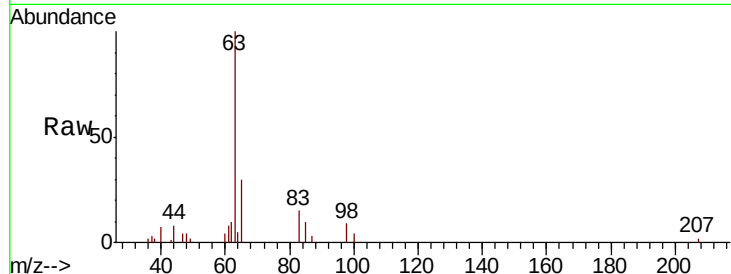




#19
 1,1-Dichloroethane
 Concen: 1.056 ug/L
 RT: 6.23 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

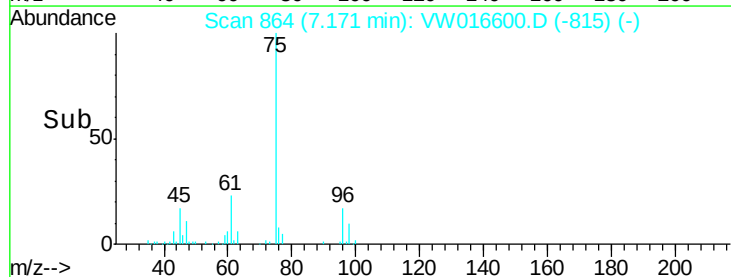
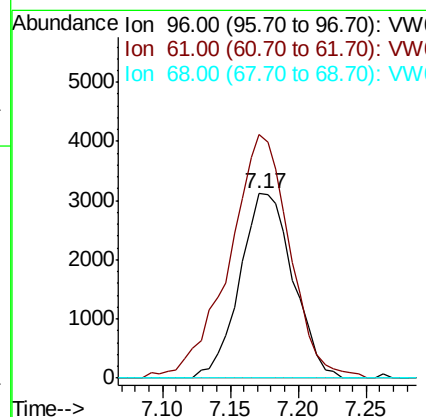
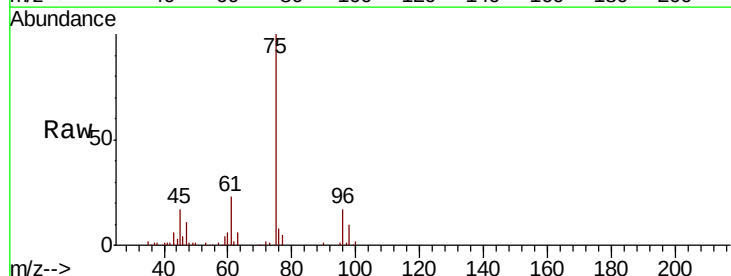
Instrument :
 MSVOA_W
 ClientSampled :
 MDL-SOIL-04

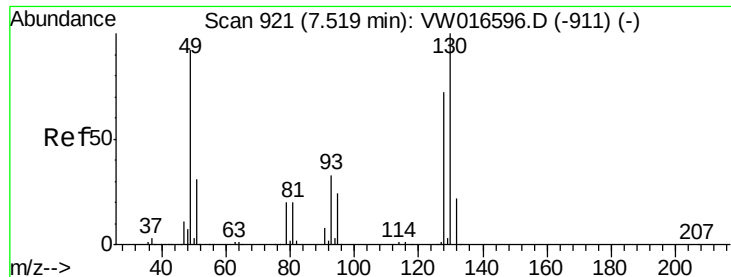
Tot Ion	63	Resp	12469
Ion	Ratio	Lower	Upper
63	100		
65	30.3	21.8	40.6
83	14.7	10.2	19.0



#20
 cis-1,2-Dichloroethene
 Concen: 1.101 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt Ion	96	Resp	8532
Ion	Ratio	Lower	Upper
96	100		
61	132.0	79.2	147.0
68	0.0	0.0	0.0





#23

Bromochloromethane

Concen: 1.126 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-04

Tot Ion:128 Resp: 4103

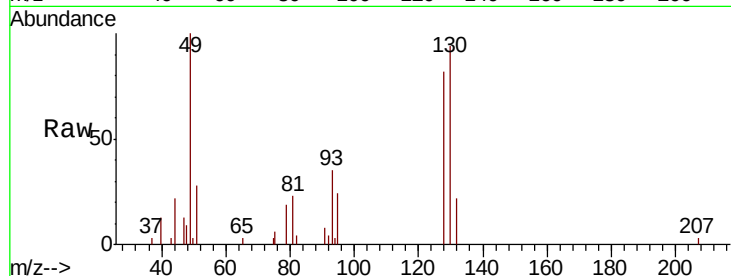
Ion Ratio Lower Upper

128 100

49 121.3 91.5 169.9

130 114.1 89.0 165.4

51 33.8 33.0 49.6

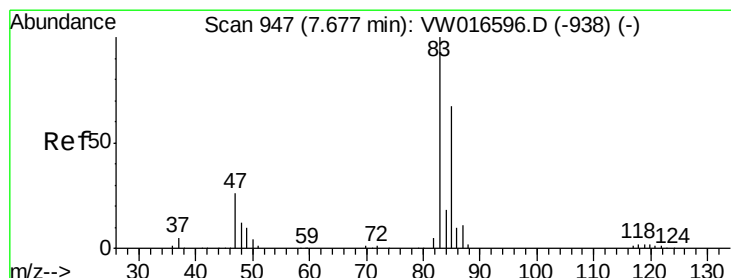
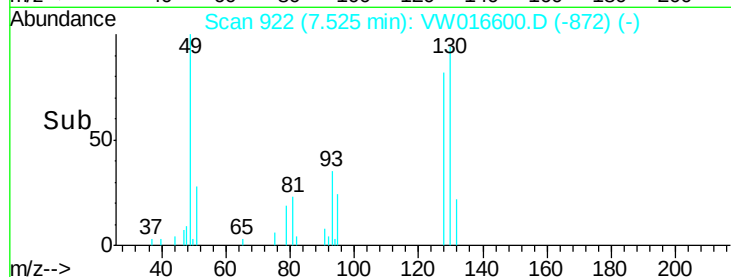
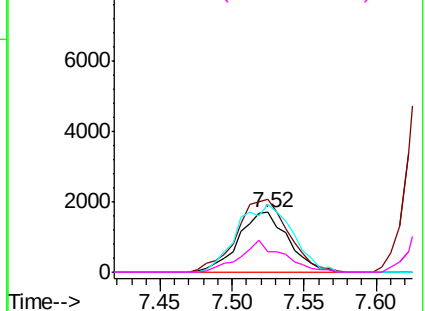


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW



#25

Chloroform

Concen: 1.070 ug/L

RT: 7.68 min Scan# 948

Delta R.T. 0.01 min

Lab File: VW016600.D

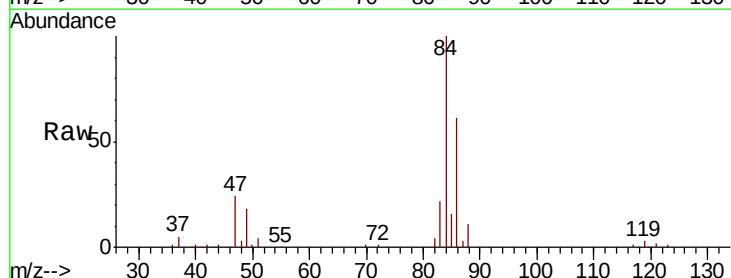
Acq: 21 Sep 2020 16:52

Tgt Ion: 83 Resp: 13826

Ion Ratio Lower Upper

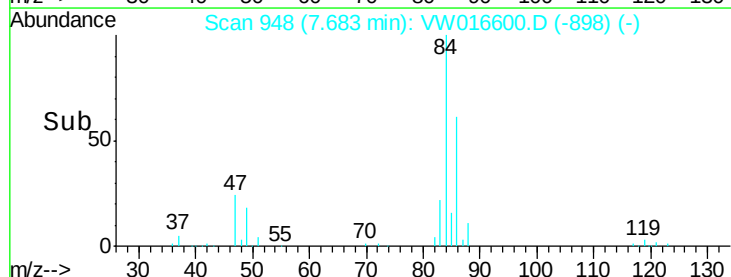
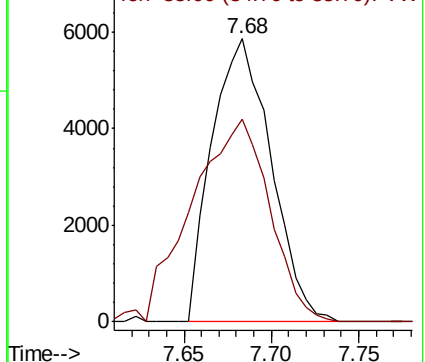
83 100

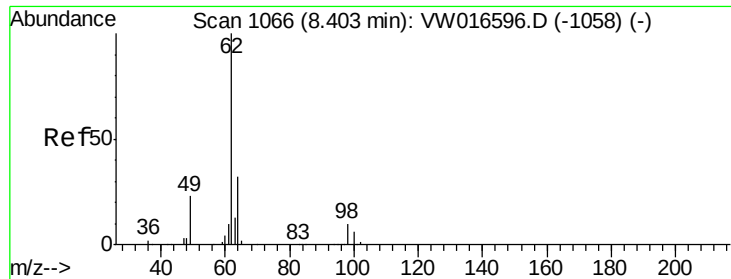
85 71.7 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW





#27

1,2-Dichloroethane

Concen: 1.211 ug/L

RT: 8.41 min Scan# 1067

Delta R.T. 0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

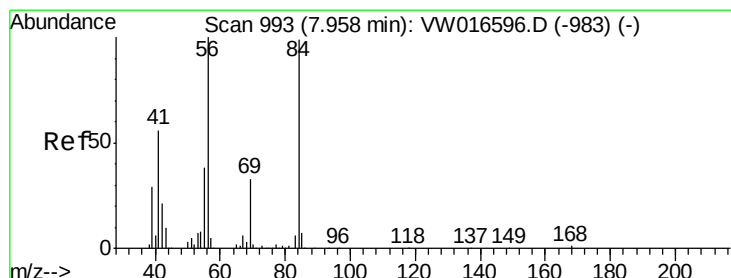
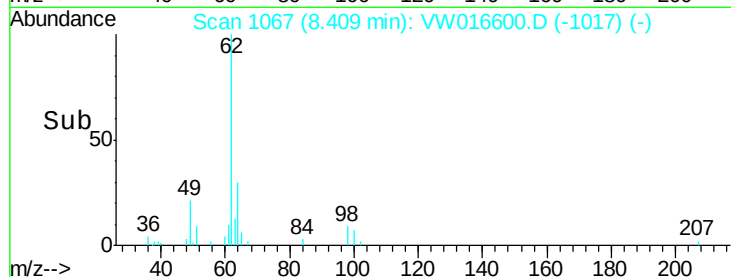
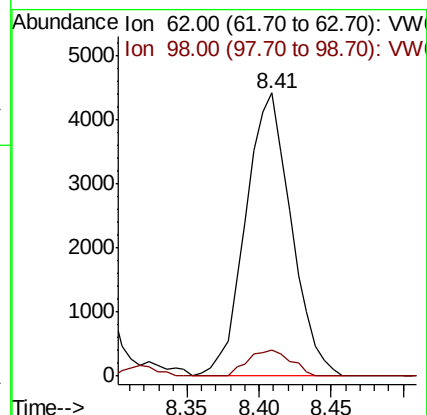
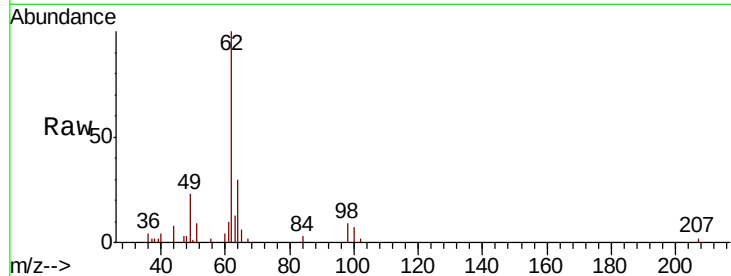
MDL-SOIL-04

Tot Ion: 62 Resp: 9717

Ion Ratio Lower Upper

62 100

98 9.1 7.3 10.9



#29

Cyclohexane

Concen: 1.058 ug/L

RT: 7.96 min Scan# 994

Delta R.T. 0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

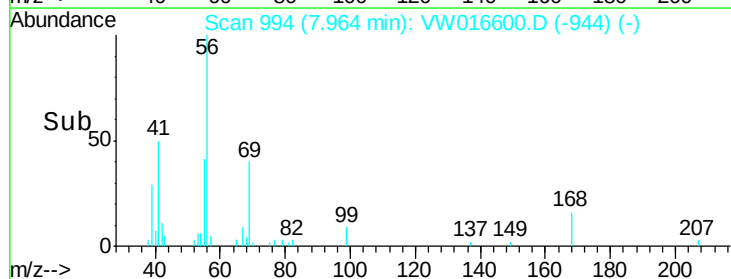
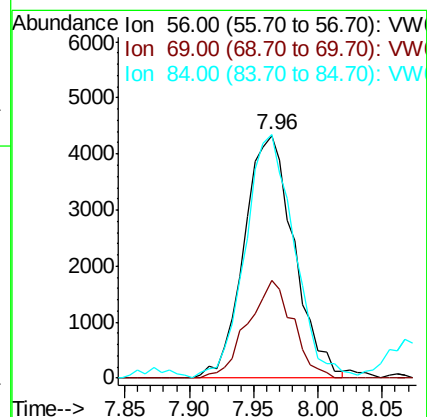
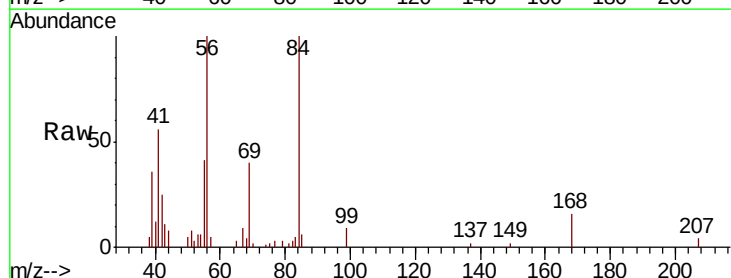
Tgt Ion: 56 Resp: 11626

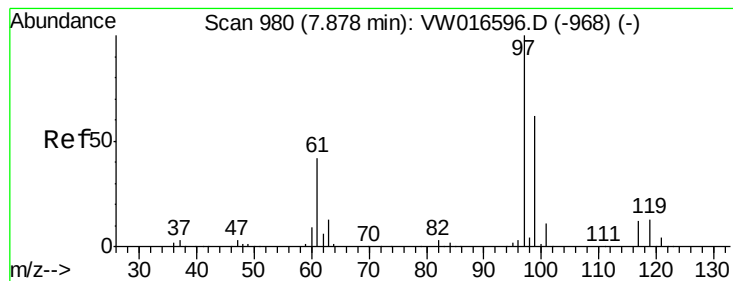
Ion Ratio Lower Upper

56 100

69 36.5 26.4 39.6

84 98.7 79.9 119.9





#30

1,1,1-Trichloroethane

Concen: 1.072 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-04

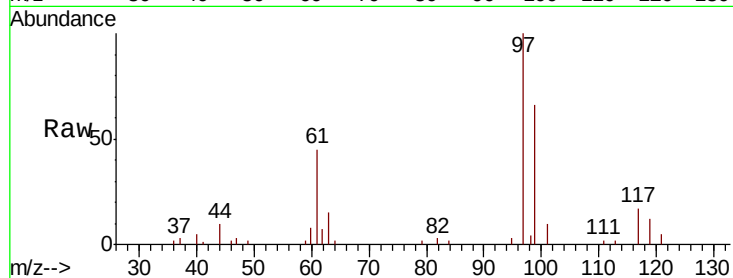
Tot Ion: 97 Resp: 12566

Ion Ratio Lower Upper

97 100

99 64.2 50.9 76.3

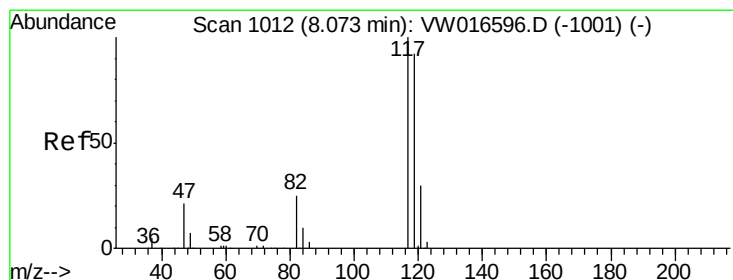
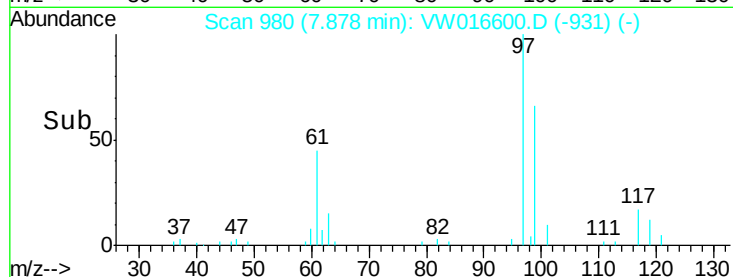
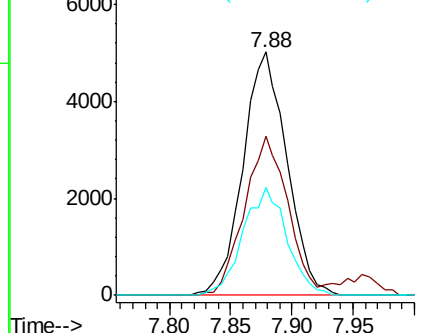
61 44.1 33.2 49.8



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: 1.050 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.01 min

Lab File: VW016600.D

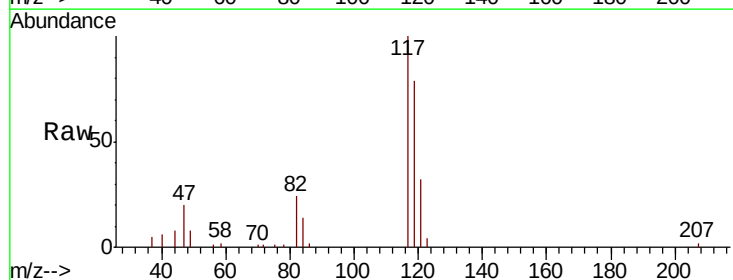
Acq: 21 Sep 2020 16:52

Tgt Ion: 117 Resp: 11988

Ion Ratio Lower Upper

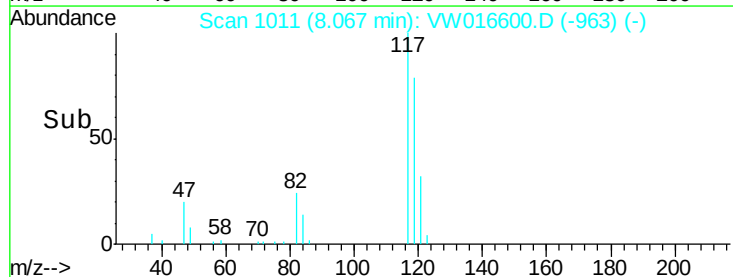
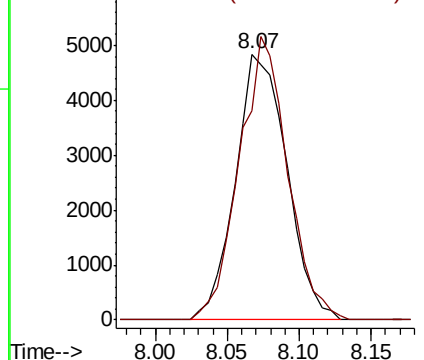
117 100

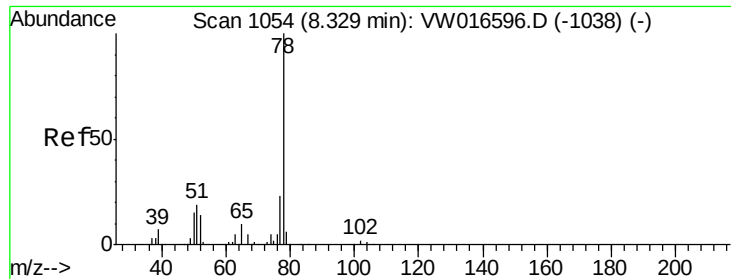
119 100.2 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V





#33

Benzene

Concen: 1.096 ug/L

RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

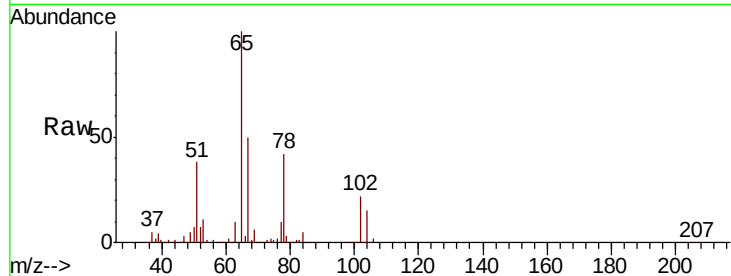
Instrument :

MSVOA_W

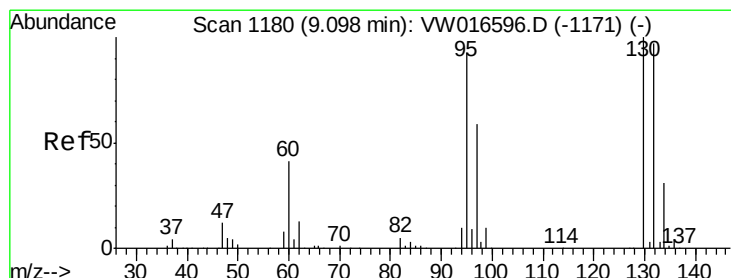
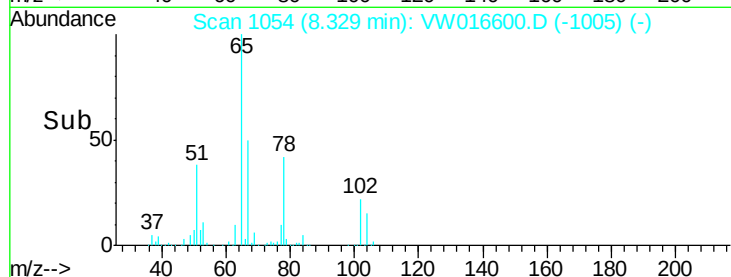
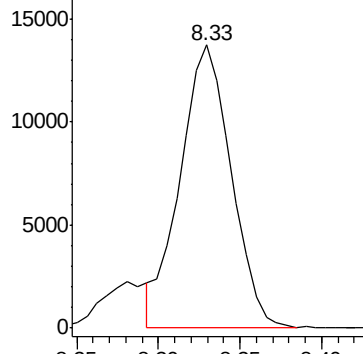
ClientSampled :

MDL-SOIL-04

Tgt Ion: 78 Resp: 29881



Abundance Ion 78.00 (77.70 to 78.70): VW



#34

Trichloroethene

Concen: 1.087 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Tgt Ion: 95 Resp: 8498

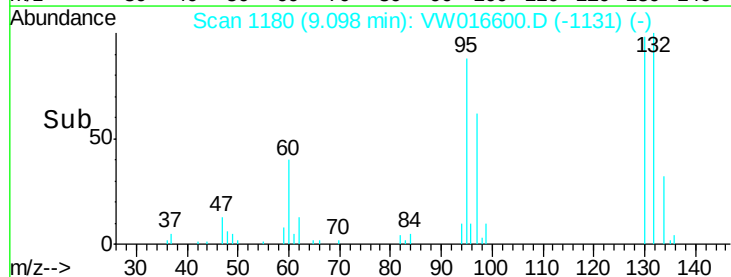
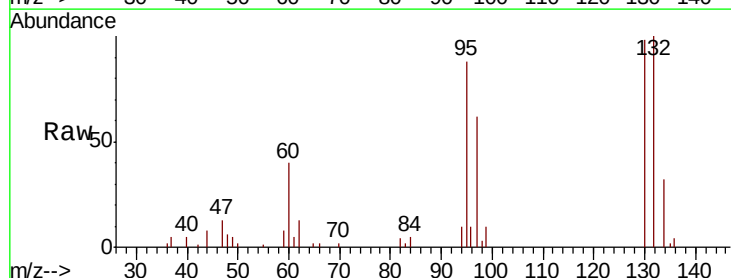
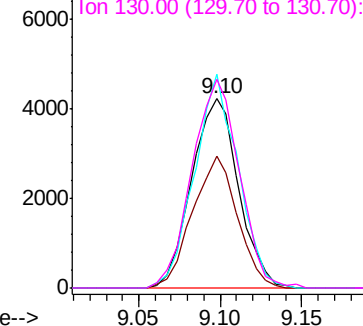
Ion	Ratio	Lower	Upper
95	100		
97	70.1	45.1	83.9
132	113.0	73.8	137.2
130	110.7	78.3	145.5

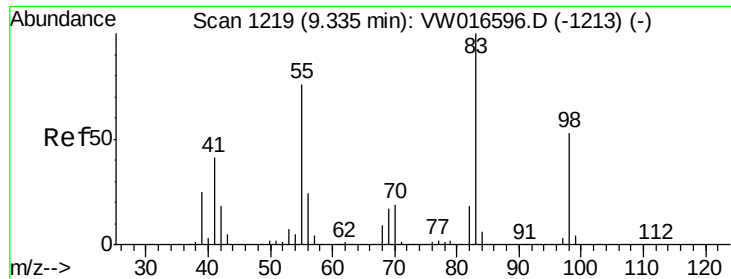
Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): VW

Ion 130.00 (129.70 to 130.70): VW

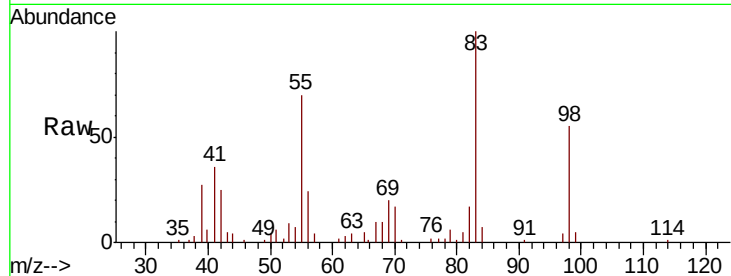




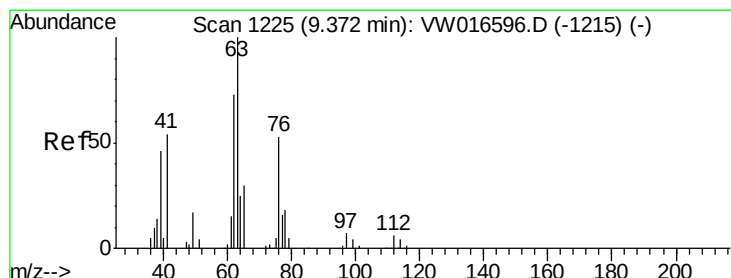
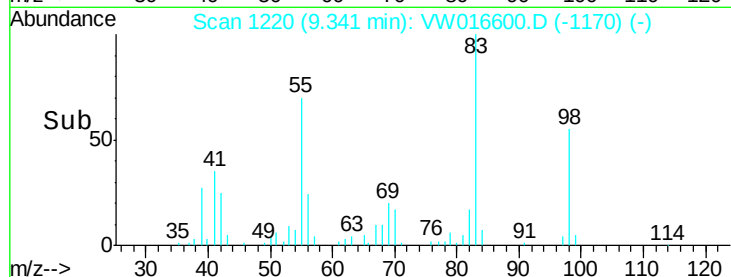
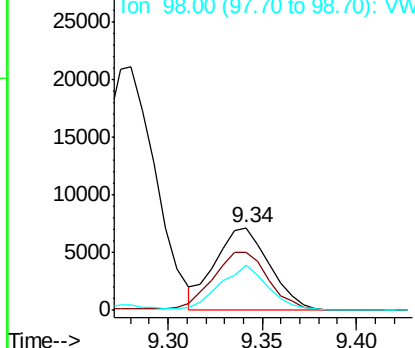
#35
Methylvlcyclohexane
Concen: 1.100 ug/L
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-04

Tot Ion: 83 Resp: 14373
Ion Ratio Lower Upper
83 100
55 71.9 55.9 83.9
98 48.3 41.5 62.3

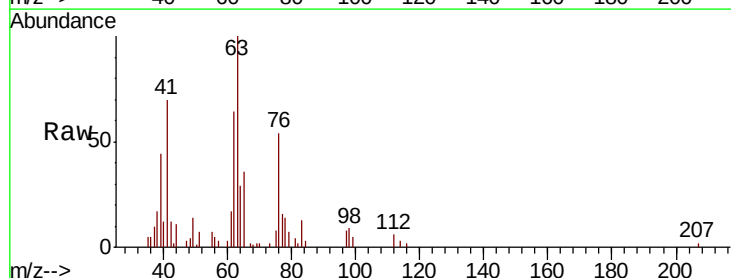


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

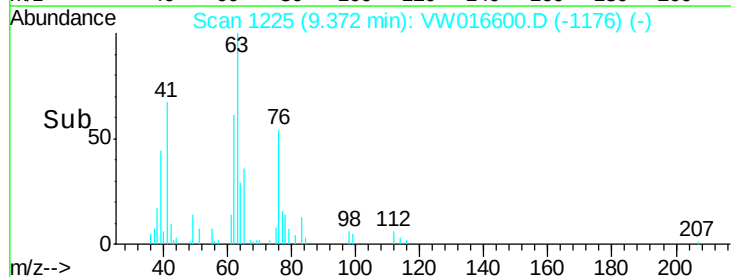
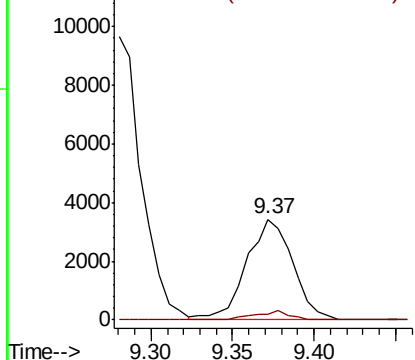


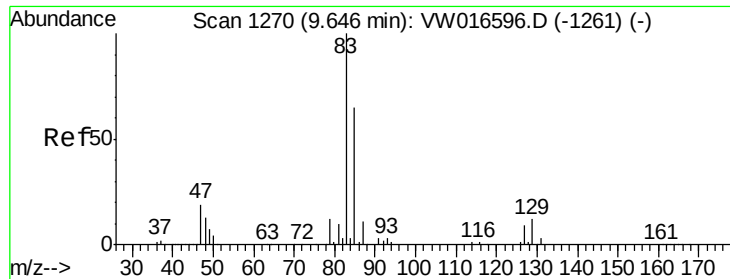
#37
1,2-Dichloropropane
Concen: 1.092 ug/L
RT: 9.37 min Scan# 1225
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion: 63 Resp: 6789
Ion Ratio Lower Upper
63 100
112 6.6 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#38

Bromodichloromethane

Concen: 1.073 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-04

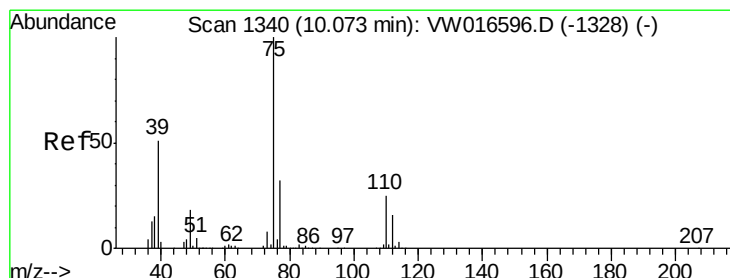
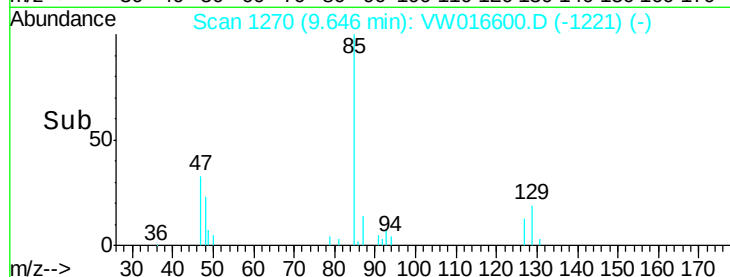
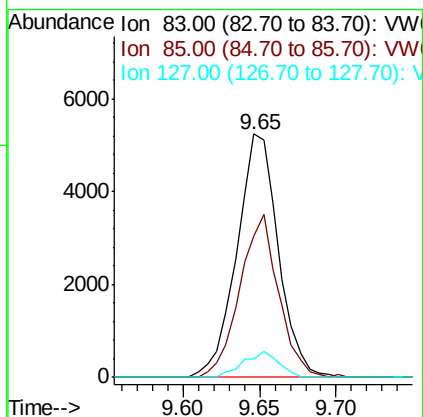
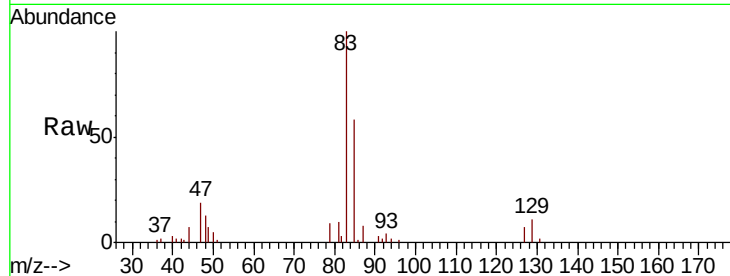
Tot Ion: 83 Resp: 9890

Ion Ratio Lower Upper

83 100

85 58.1 43.7 81.1

127 7.4 7.4 11.2#



#39

cis-1,3-Dichloropropene

Concen: 1.018 ug/L

RT: 10.08 min Scan# 1341

Delta R.T. 0.01 min

Lab File: VW016600.D

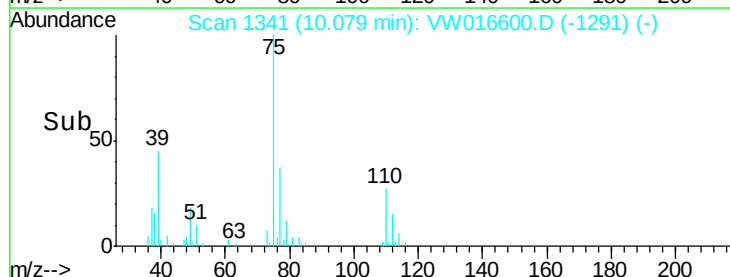
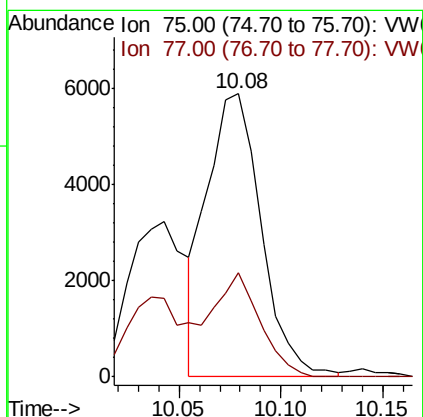
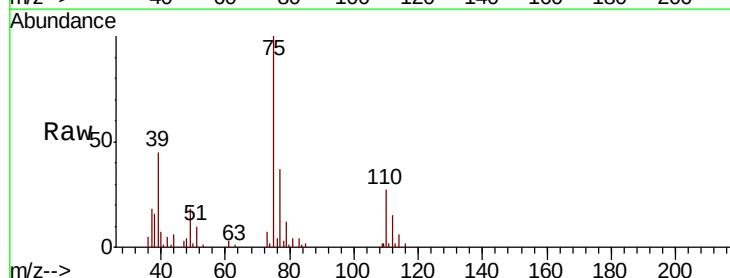
Acq: 21 Sep 2020 16:52

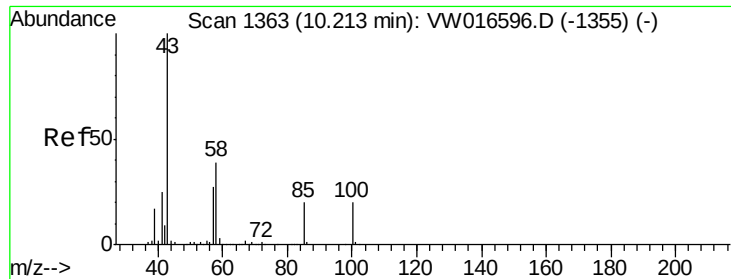
Tgt Ion: 75 Resp: 10804

Ion Ratio Lower Upper

75 100

77 36.9 23.0 42.6

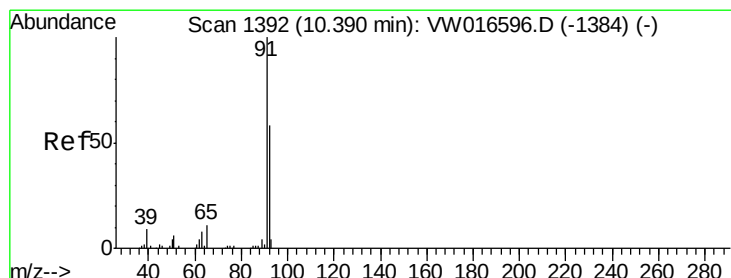
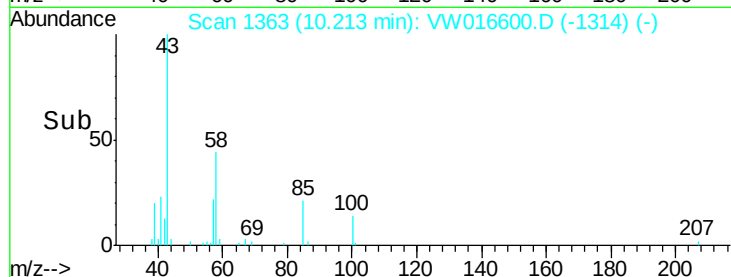
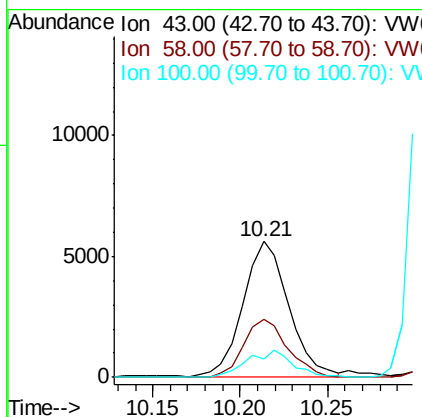
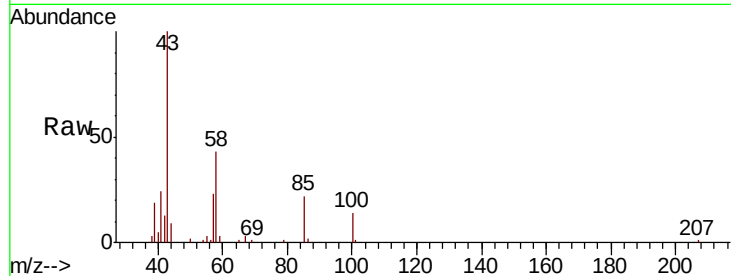




#40
4-Methyl-2-pentanone
Concen: 2.947 ug/L
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

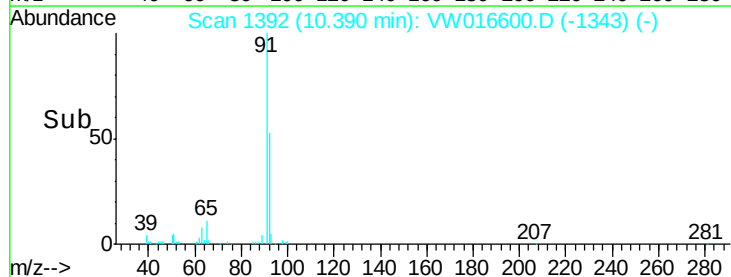
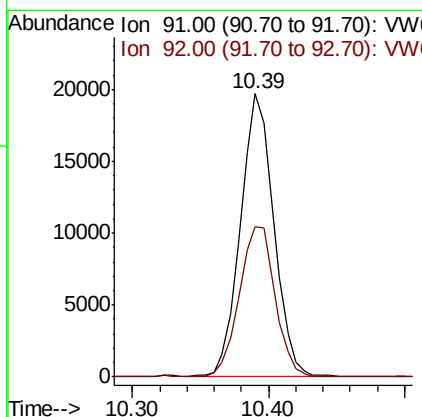
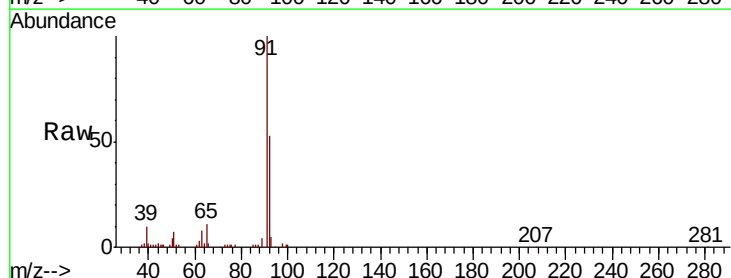
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-04

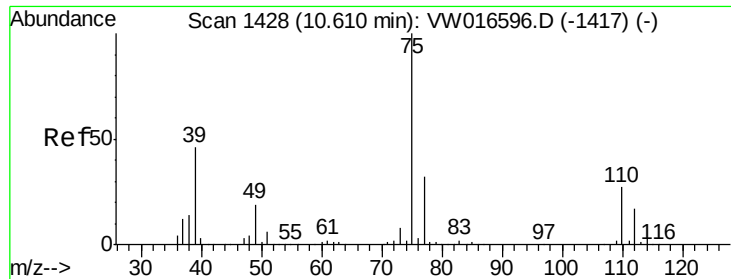
Tot Ion: 43 Resp: 10265
Ion Ratio Lower Upper
43 100
58 40.9 33.0 49.4
100 19.9 16.0 24.0



#42
Toluene
Concen: 1.101 ug/L
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion: 91 Resp: 33831
Ion Ratio Lower Upper
91 100
92 53.0 41.1 76.3

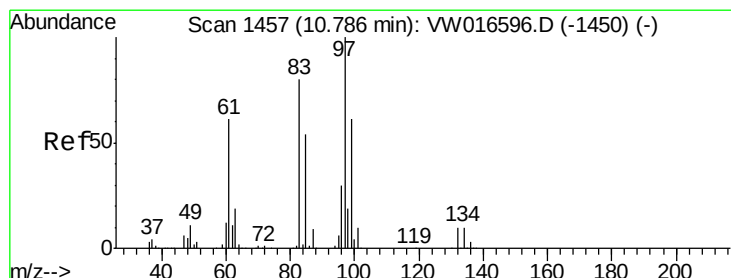
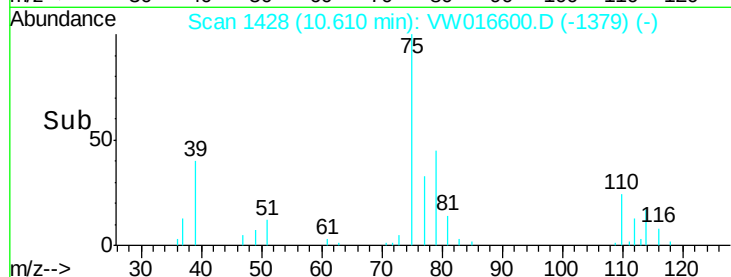
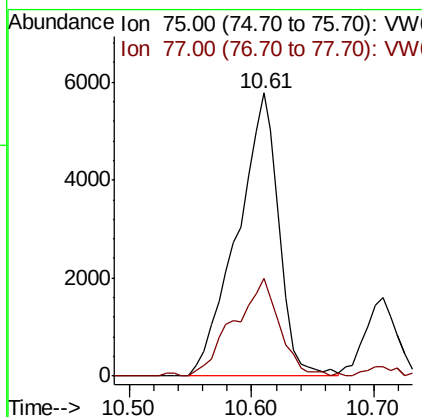
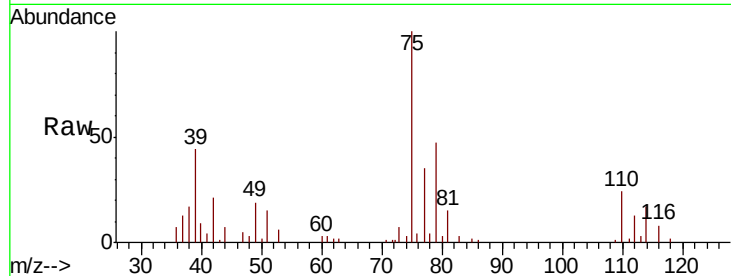




#44
trans-1,3-Dichloropropene
Concen: 1.503 ug/L
RT: 10.61 min Scan# 1428
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

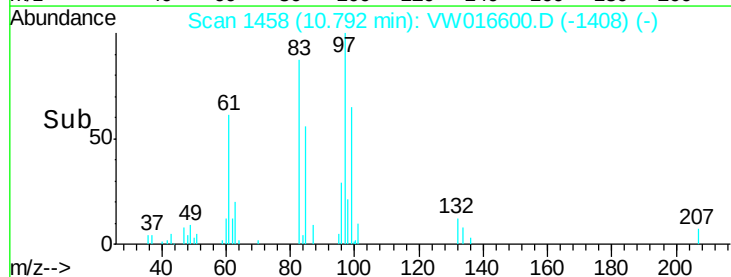
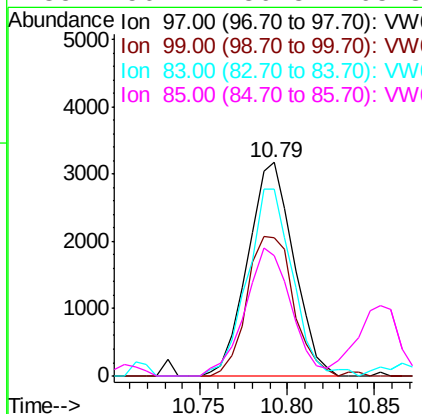
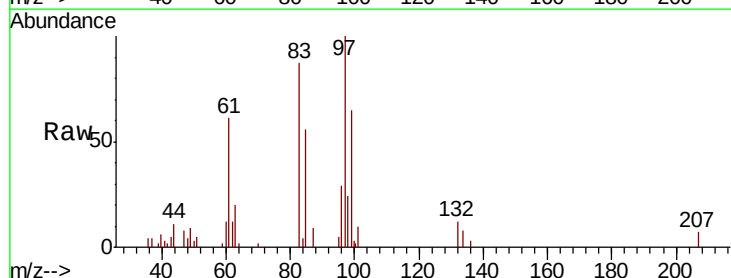
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-04

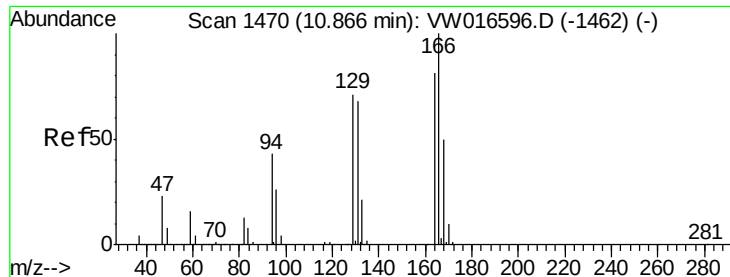
Tot Ion: 75 Resp: 13683
Ion Ratio Lower Upper
75 100
77 34.7 22.1 41.1



#45
1,1,2-Trichloroethane
Concen: 1.148 ug/L
RT: 10.79 min Scan# 1458
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion: 97 Resp: 5796
Ion Ratio Lower Upper
97 100
99 68.0 44.5 82.7
83 87.4 58.4 108.4
85 56.1 36.8 68.3





#46

Tetrachloroethene

Concen: 1.081 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampled :

MDL-SOIL-04

Tot Ion:164 Resp: 7628

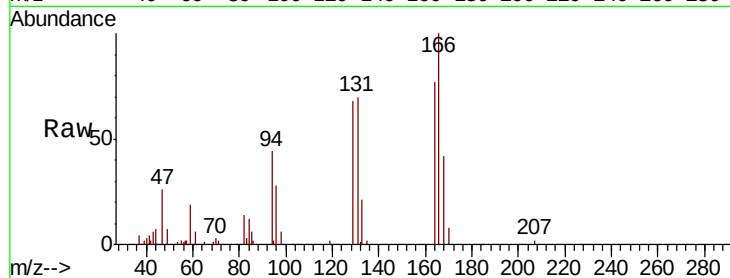
Ion Ratio Lower Upper

164 100

129 88.1 61.4 114.0

131 91.6 62.8 116.6

166 130.3 90.8 168.6

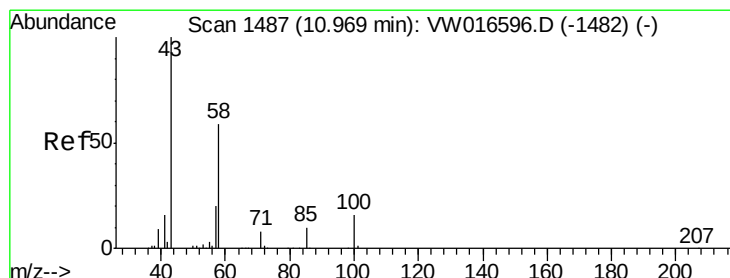
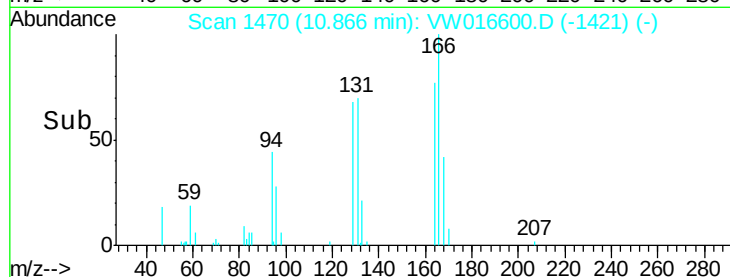
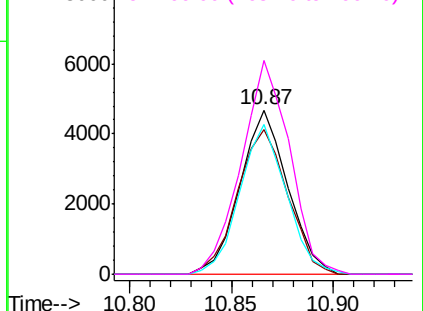


Abundance Ion 164.00 (163.70 to 164.70): V

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: 2.482 ug/L

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Tgt Ion: 43 Resp: 5377

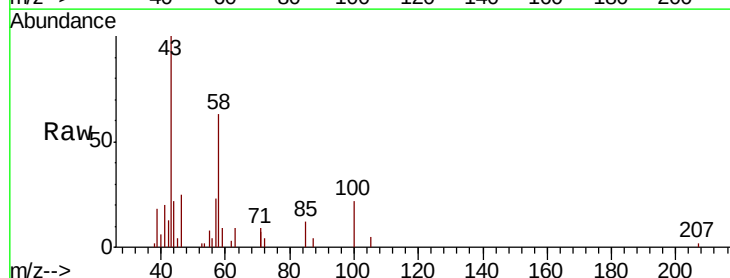
Ion Ratio Lower Upper

43 100

58 54.9 45.9 68.9

57 10.5 16.6 24.8#

100 17.8 12.3 18.5

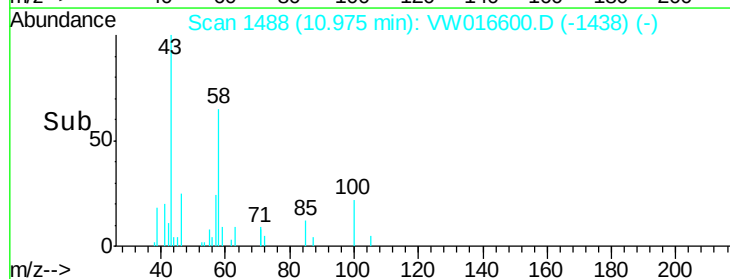
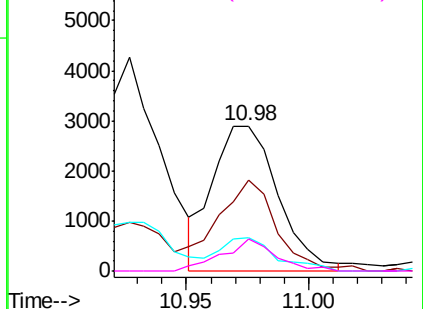


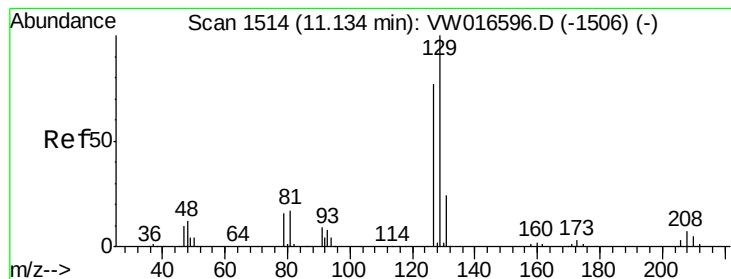
Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW





#49

Dibromochloromethane

Concen: 1.045 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

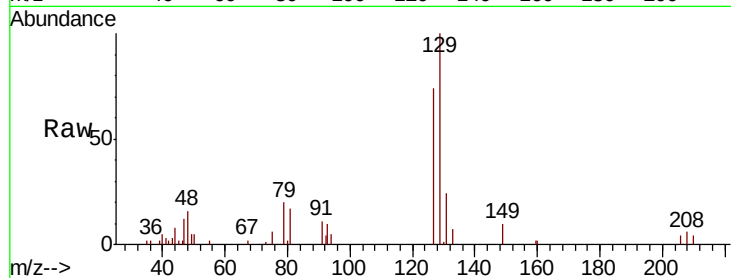
MDL-SOIL-04

Tot Ion:129 Resp: 6926

Ion Ratio Lower Upper

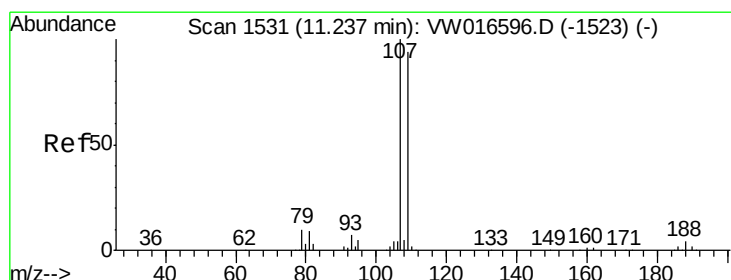
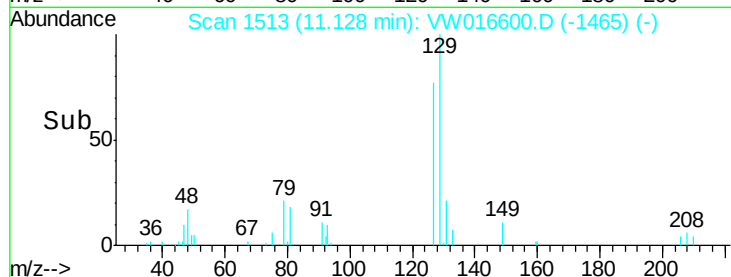
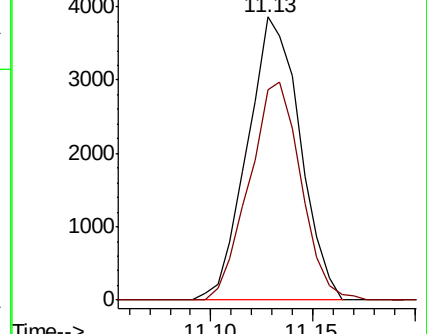
129 100

127 74.4 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 1.179 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

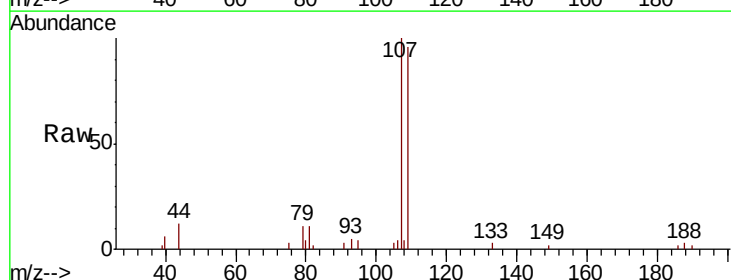
Tgt Ion:107 Resp: 5897

Ion Ratio Lower Upper

107 100

109 96.5 66.2 123.0

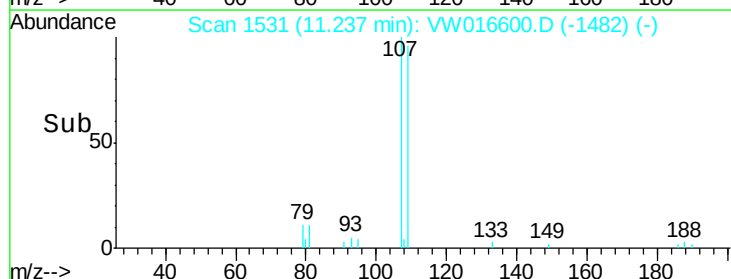
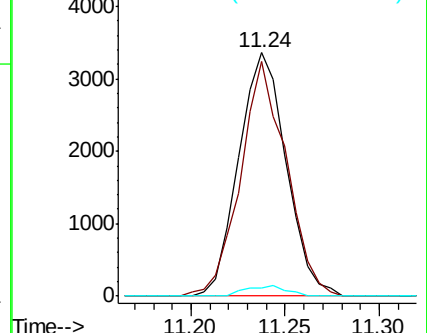
188 3.3 3.3 4.9#

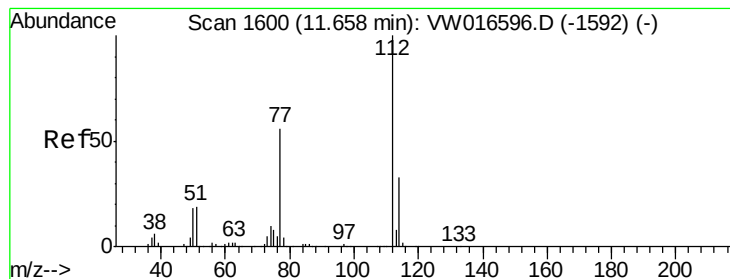


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 1.094 ug/L

RT: 11.66 min Scan# 1600

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-04

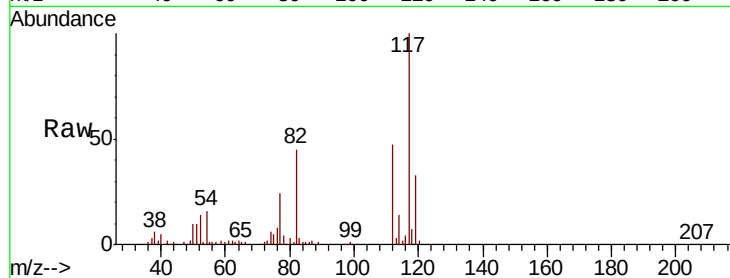
Tot Ion:112 Resp: 22287

Ion Ratio Lower Upper

112 100

114 30.3 22.9 42.5

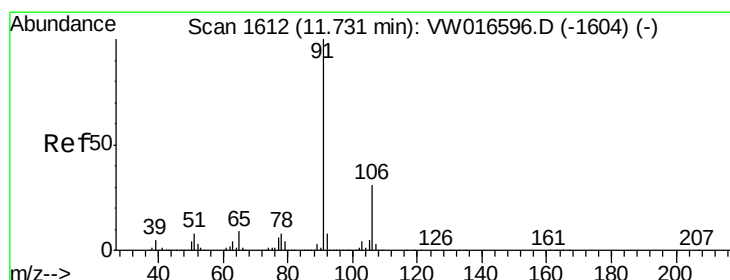
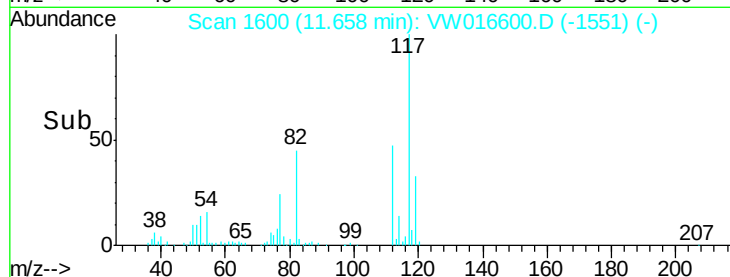
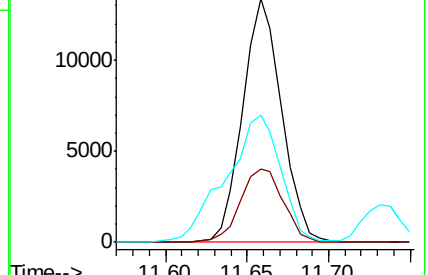
77 52.3 43.8 65.8



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 1.068 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016600.D

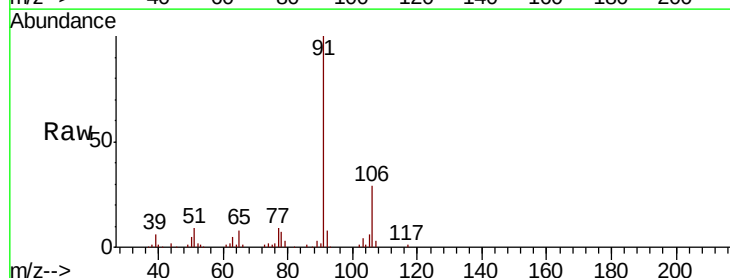
Acq: 21 Sep 2020 16:52

Tgt Ion: 91 Resp: 36949

Ion Ratio Lower Upper

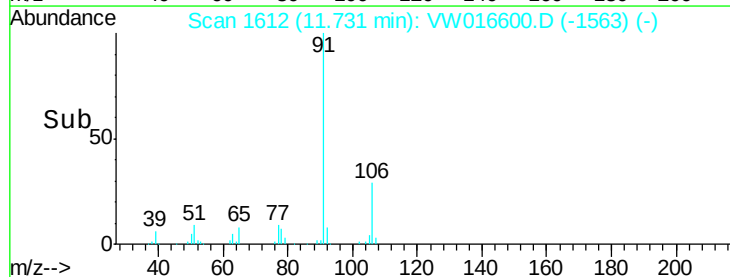
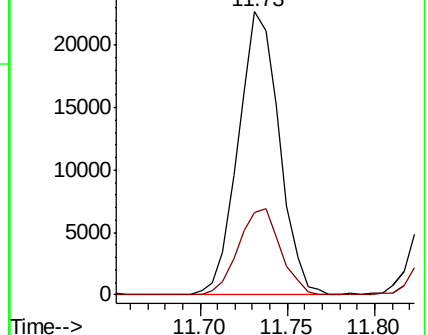
91 100

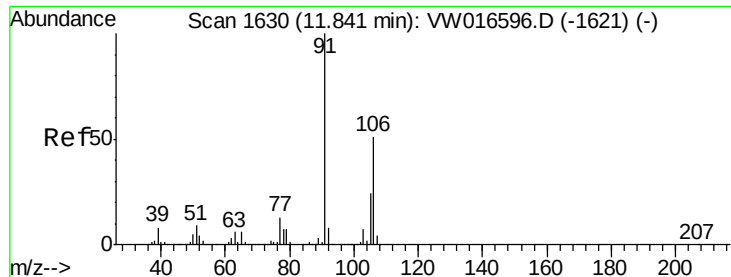
106 29.1 22.0 41.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.051 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

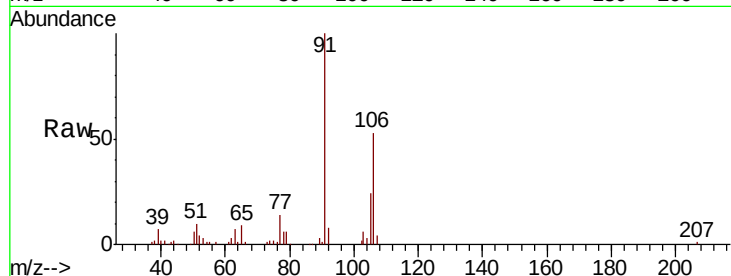
MDL-SOIL-04

Tot Ion:106 Resp: 14166

Ion Ratio Lower Upper

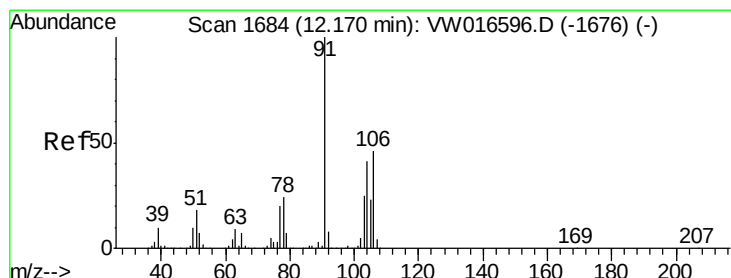
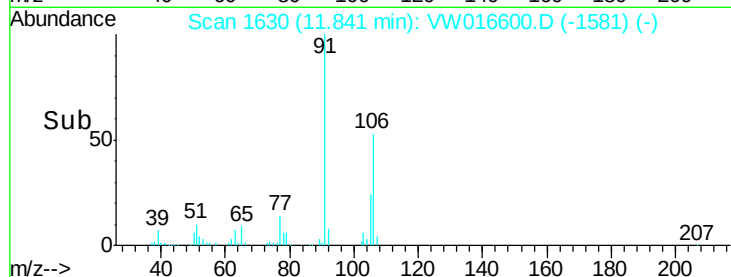
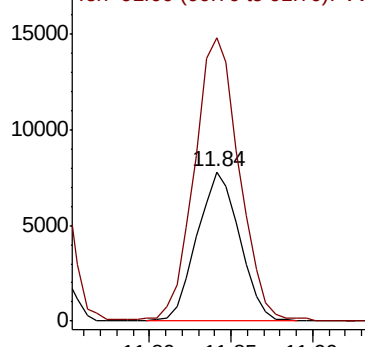
106 100

91 189.9 136.2 252.9



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 1.069 ug/L

RT: 12.17 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VW016600.D

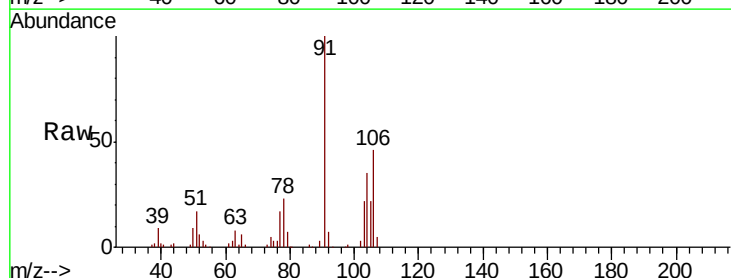
Acq: 21 Sep 2020 16:52

Tgt Ion:106 Resp: 13637

Ion Ratio Lower Upper

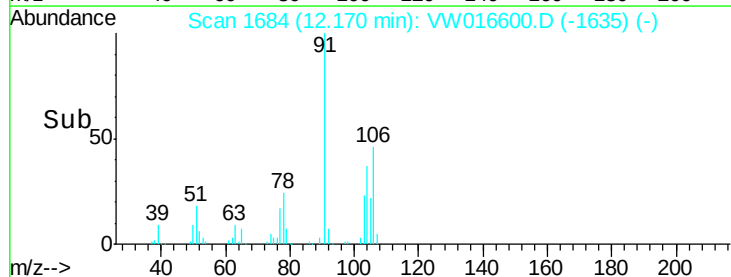
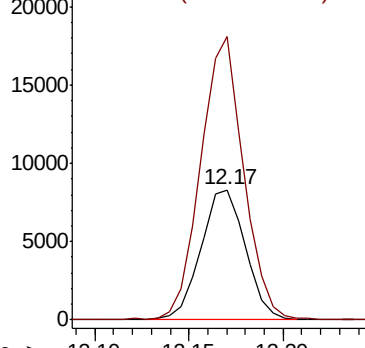
106 100

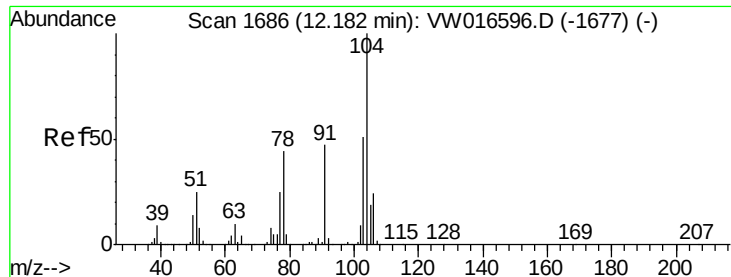
91 217.3 143.4 266.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW





#55

Stvrene

Concen: 1.020 ug/L

RT: 12.18 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

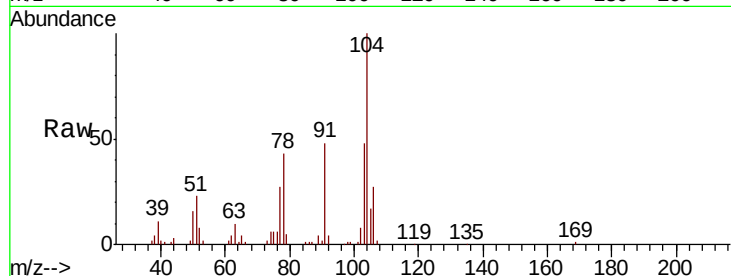
MDL-SOIL-04

Tot Ion:104 Resp: 21668

Ion Ratio Lower Upper

104 100

78 42.8 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VW

12.18

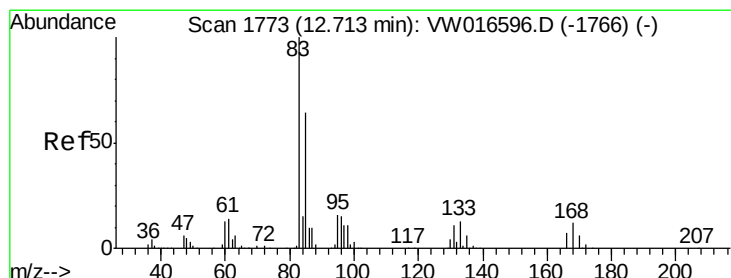
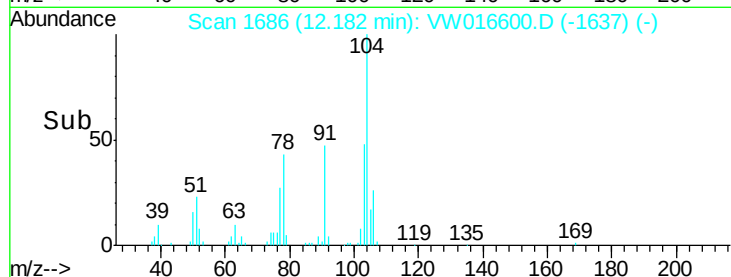
15000

10000

5000

0

Time--> 12.10 12.15 12.20 12.25



#57

1,1,2,2-Tetrachloroethane

Concen: 1.206 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

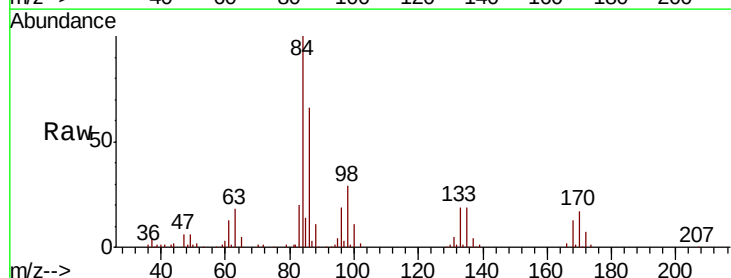
Tgt Ion: 83 Resp: 6557

Ion Ratio Lower Upper

83 100

85 73.0 46.3 85.9

131 24.1 9.3 13.9#



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

12.71

5000

4000

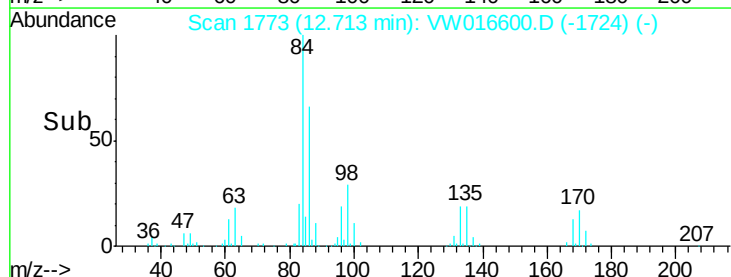
3000

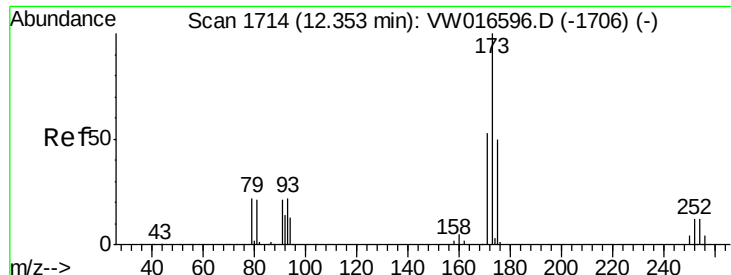
2000

1000

0

Time--> 12.70 12.75





#59

Bromoform

Concen: 1.007 ug/L

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-04

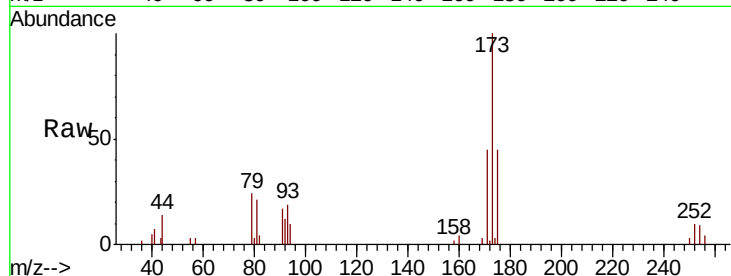
Tot Ion:173 Resp: 4132

Ion Ratio Lower Upper

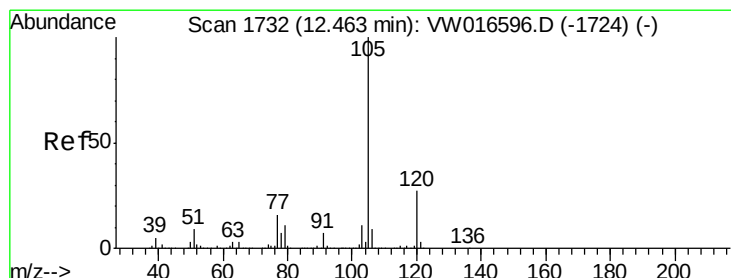
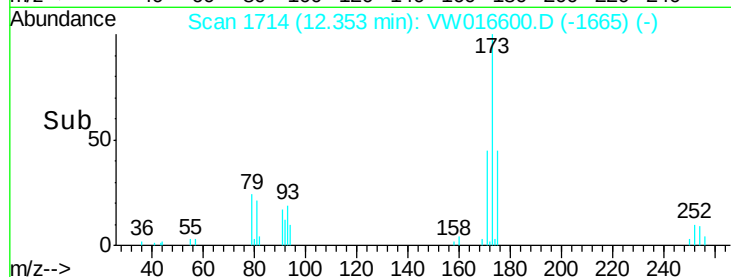
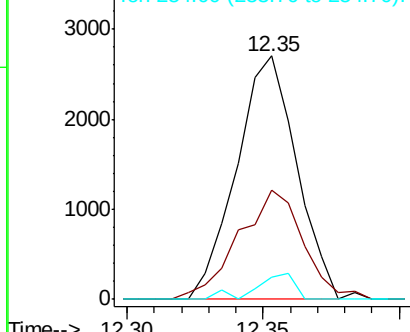
173 100

175 48.5 39.7 59.5

254 5.8 8.2 12.2#



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: 1.006 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.01 min

Lab File: VW016600.D

Acq: 21 Sep 2020 16:52

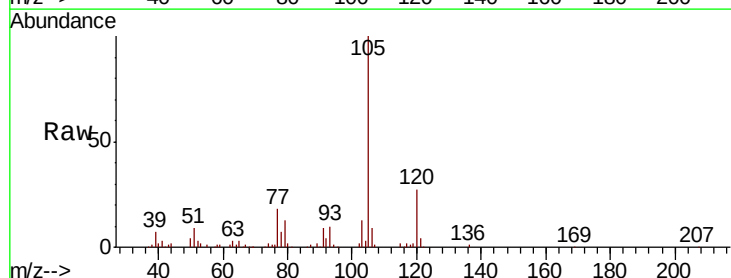
Tgt Ion:105 Resp: 37358

Ion Ratio Lower Upper

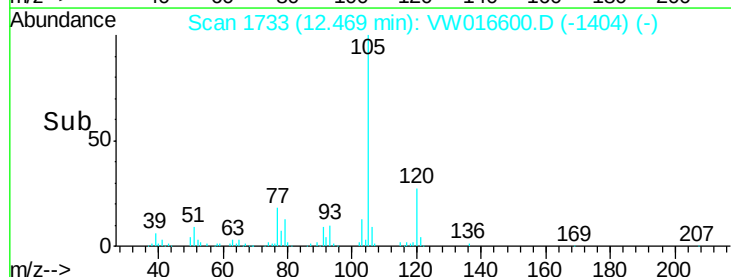
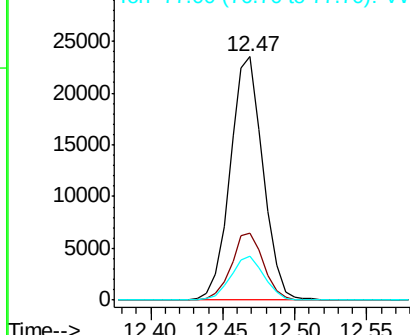
105 100

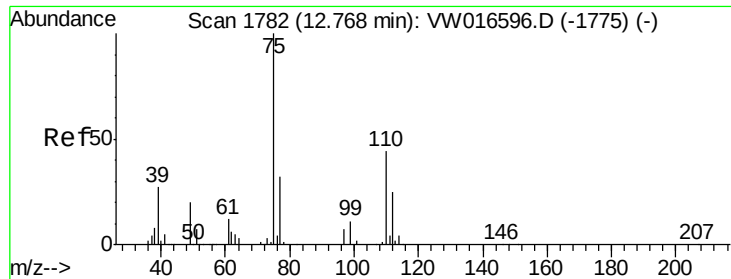
120 26.9 21.8 32.8

77 18.2 12.1 18.1#



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

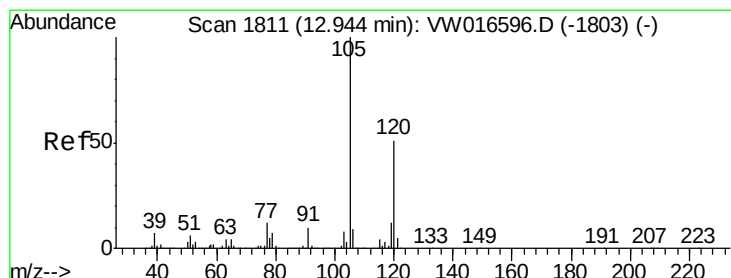
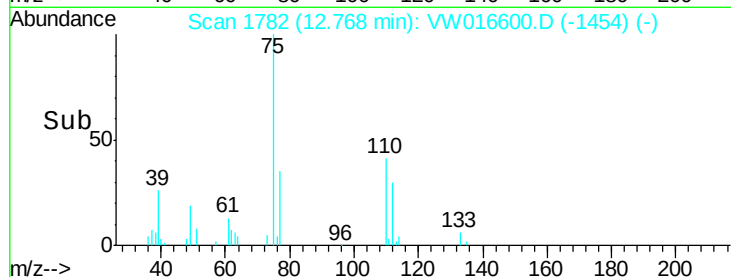
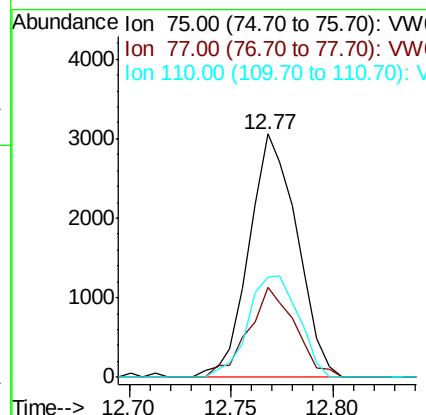
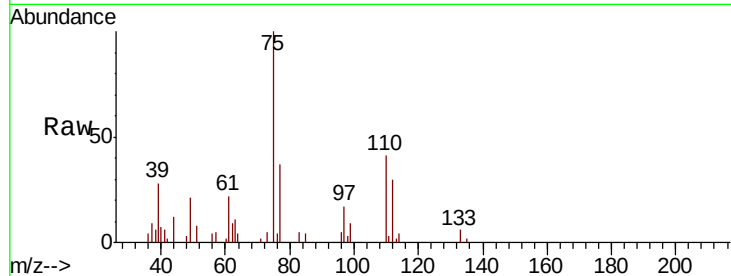




#61
 1,2,3-Trichloropropane
 Concen: 1.194 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

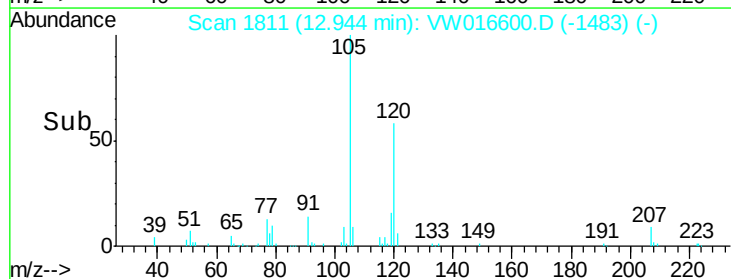
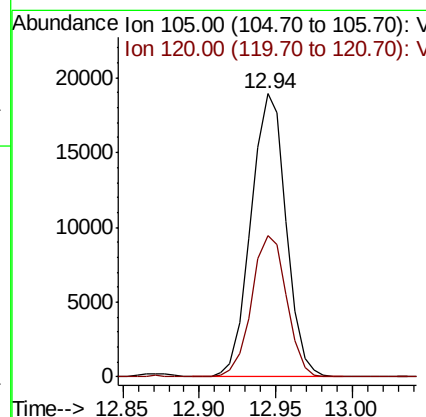
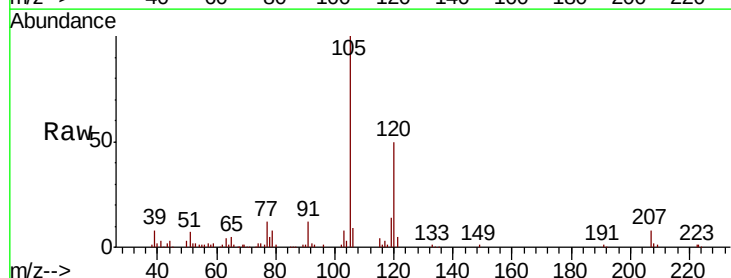
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-04

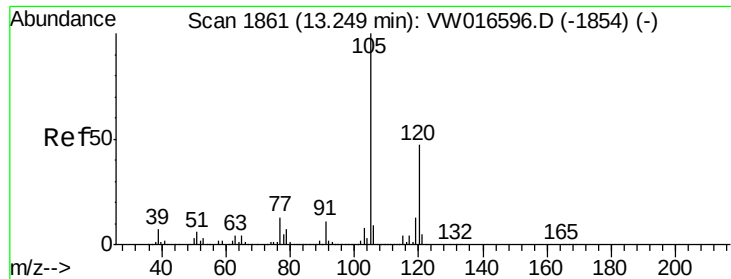
Tot Ion: 75 Resp: 5003
 Ion Ratio Lower Upper
 75 100
 77 36.1 25.8 38.8
 110 44.1 35.8 53.8



#62
 1,3,5-Trimethylbenzene
 Concen: 0.990 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt Ion: 105 Resp: 30261
 Ion Ratio Lower Upper
 105 100
 120 49.8 39.8 59.8

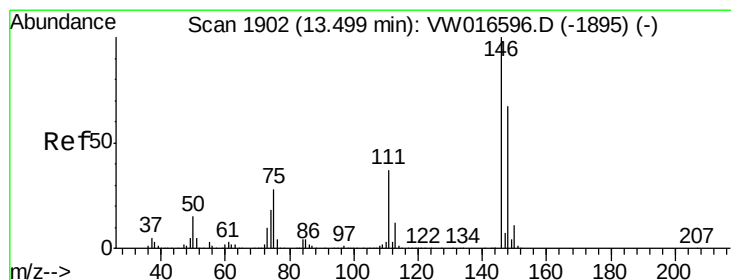
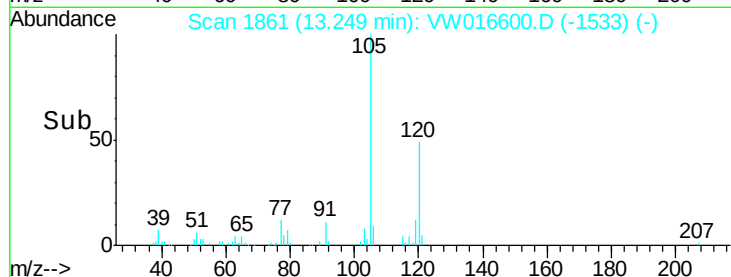
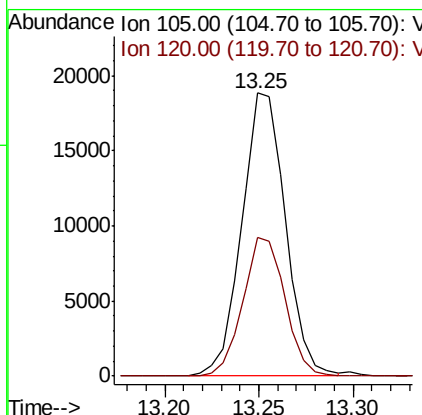
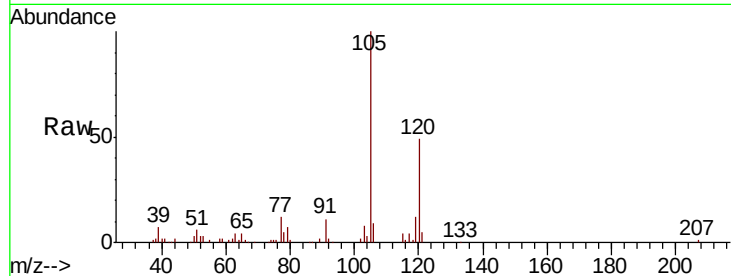




#63
 1,2,4-Trimethylbenzene
 Concen: 0.993 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

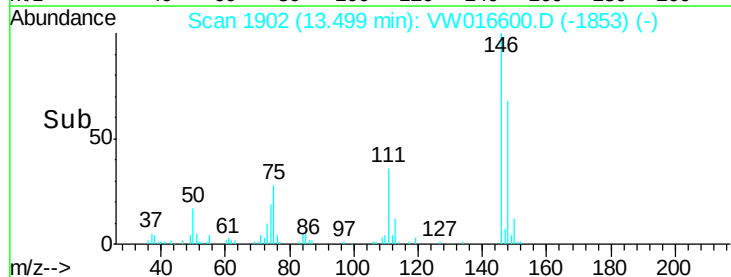
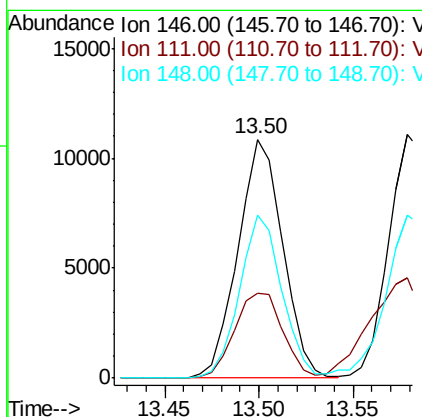
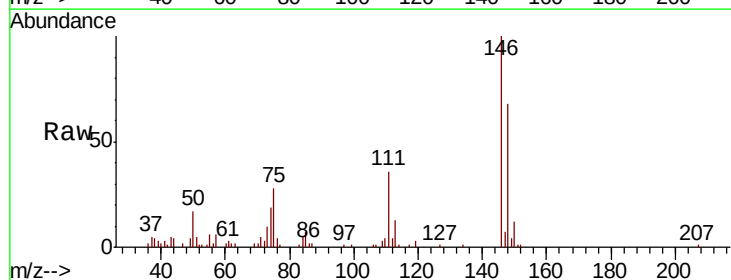
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-04

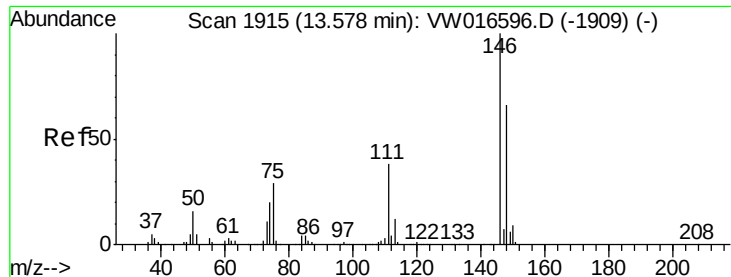
Tot Ion:105 Resp: 30164
 Ion Ratio Lower Upper
 105 100
 120 47.3 36.4 54.6



#64
 1,3-Dichlorobenzene
 Concen: 1.054 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt Ion:146 Resp: 17955
 Ion Ratio Lower Upper
 146 100
 111 35.8 26.5 49.3
 148 67.9 44.0 81.8

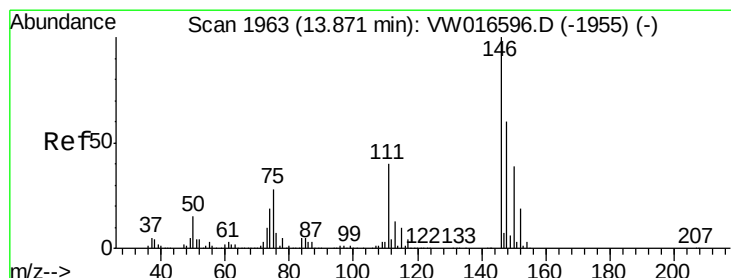
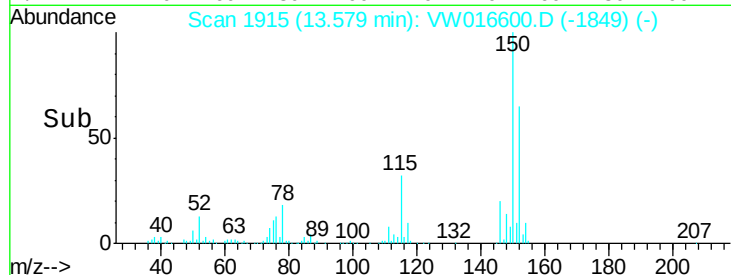
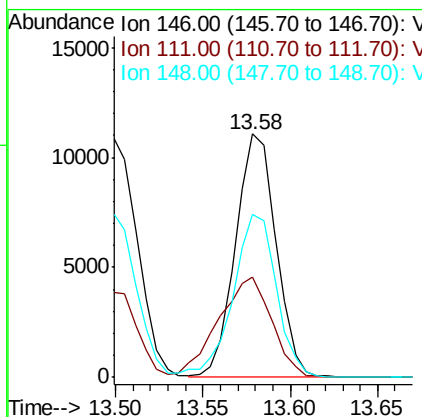
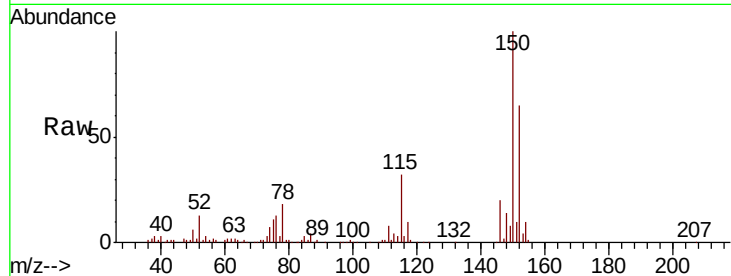




#65
 1,4-Dichlorobenzene
 Concen: 1.070 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

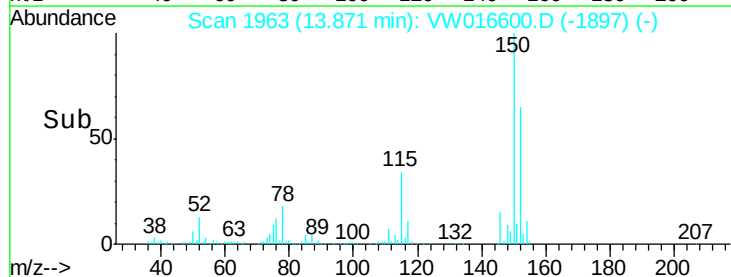
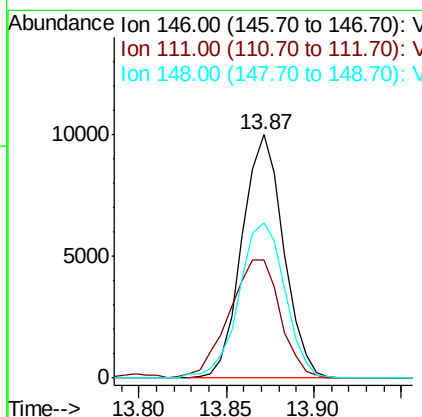
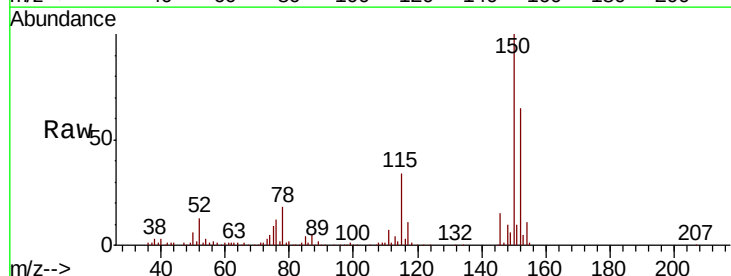
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-04

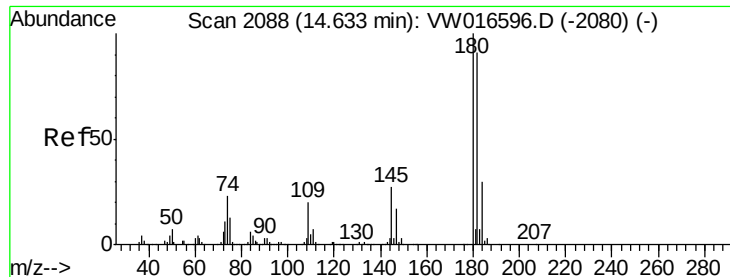
Tot Ion:146 Resp: 17883
 Ion Ratio Lower Upper
 146 100
 111 41.2 26.5 49.3
 148 67.0 43.8 81.4



#67
 1,2-Dichlorobenzene
 Concen: 1.092 ug/L
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt Ion:146 Resp: 16467
 Ion Ratio Lower Upper
 146 100
 111 48.7 32.4 48.6#
 148 63.9 52.2 78.2

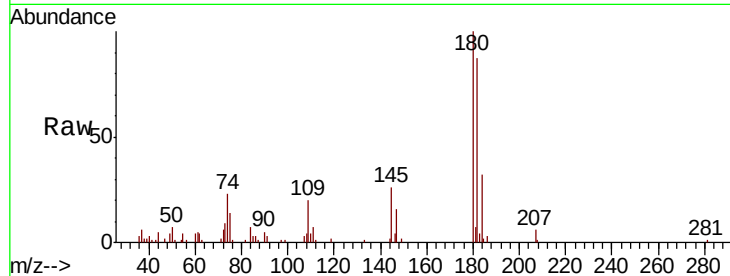




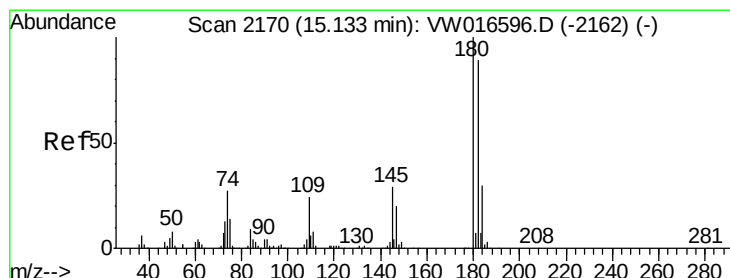
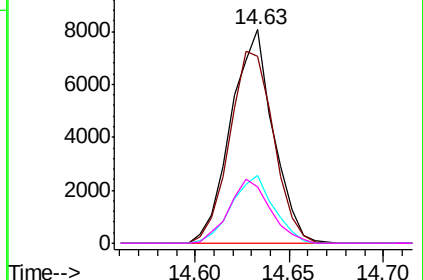
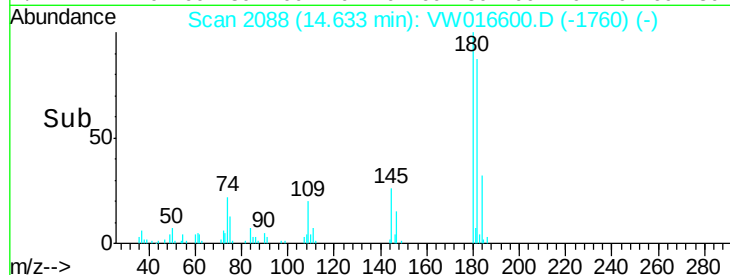
#69
 1,3,5-Trichlorobenzene
 Concen: 1.000 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-04

Tot Ion:180	Resp:	12571
Ion Ratio	Lower	Upper
180 100		
182 93.4	79.0	118.4
184 31.5	24.6	36.8
145 29.2	23.2	34.8

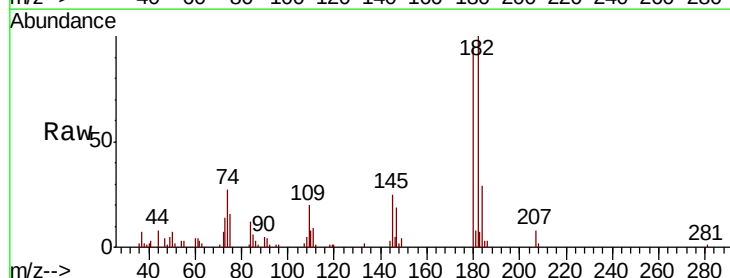


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

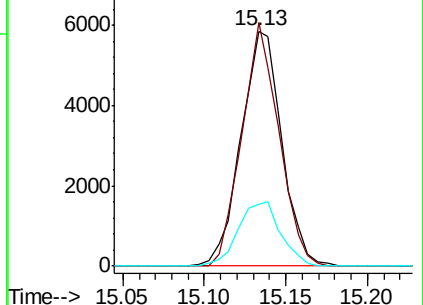
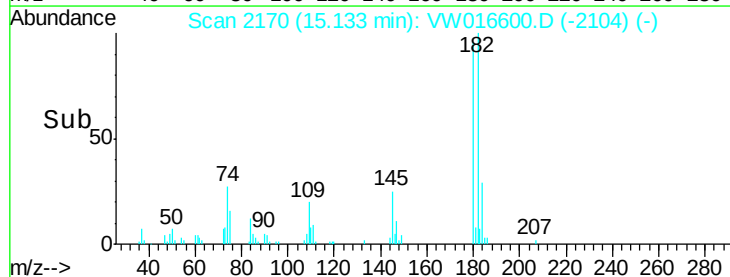


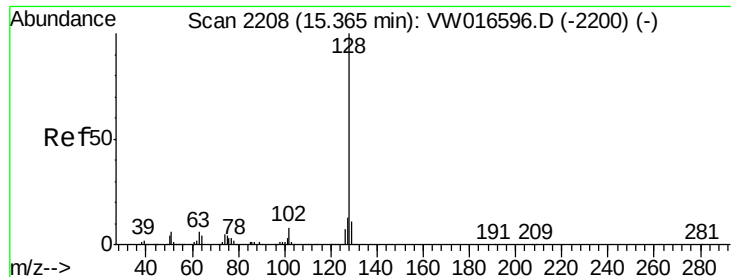
#70
 1,2,4-trichlorobenzene
 Concen: 1.004 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016600.D
 Acq: 21 Sep 2020 16:52

Tgt	Ion:180	Resp:	10199
Ion	Ratio	Lower	Upper
180	100		
182	93.9	76.1	114.1
145	28.1	24.1	36.1



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

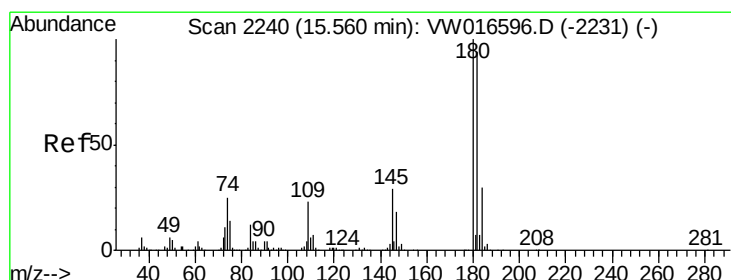
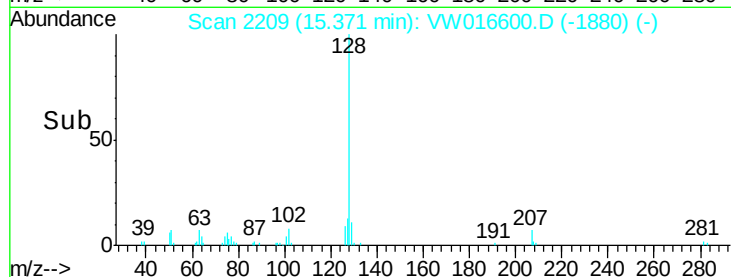
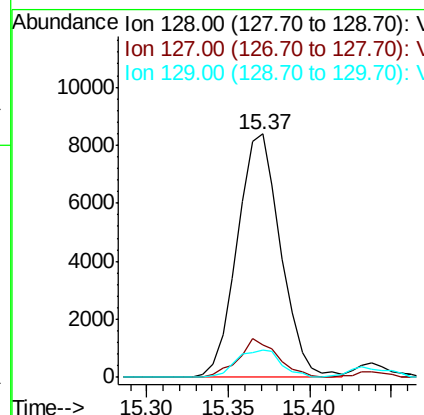
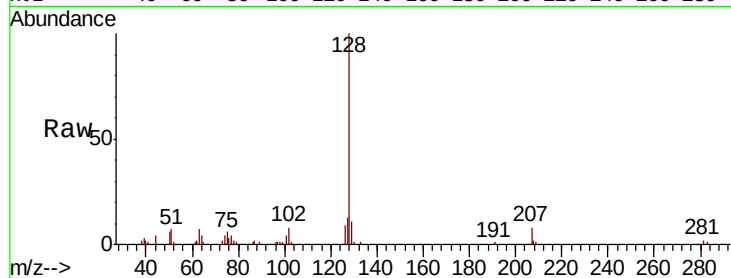




#71
Naphthalene
Concen: 0.913 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-04

Tot Ion:128 Resp: 15560
Ion Ratio Lower Upper
128 100
127 14.4 10.6 16.0
129 11.6 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 0.994 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016600.D
Acq: 21 Sep 2020 16:52

Tgt Ion:180 Resp: 8480
Ion Ratio Lower Upper
180 100
182 99.4 75.5 113.3
145 32.0 24.3 36.5

