

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092620\
 Data File : VW016655.D
 Acq On : 25 Sep 2020 15:04
 Operator : SY/VA
 Sample : L4485-07
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

Quant Time: Sep 28 10:29:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Sat Sep 26 00:13:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	602796	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	552066	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	279738	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	144385	21.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	85.76%
7) Chloroethane-d5	2.90	69	121813	22.04	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	88.16%
11) 1,1-Dichloroethene-d2	4.03	63	237790	16.74	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.96%
21) 2-Butanone-d5	7.09	46	91727	60.24	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	120.48%
24) Chloroform-d	7.65	84	342349	24.10	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	96.40%
26) 1,2-Dichloroethane-d4	8.31	65	191677	26.43	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.72%
32) Benzene-d6	8.28	84	660308	23.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	93.68%
36) 1,2-Dichloropropane-d6	9.28	67	187559	24.19	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	96.76%
41) Toluene-d8	10.33	98	638498	23.21	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.84%
43) trans-1,3-Dichloropropene-	10.58	79	89543	23.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	95.24%
47) 2-Hexanone-d5	10.93	63	74043	60.67	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	121.34%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	170270	28.21	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	112.84%
66) 1,2-Dichlorobenzene-d4	13.85	152	250543	24.73	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.92%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	7571	1.042 ug/L	99
3) Chloromethane	2.22	50	7194	1.249 ug/L	100
5) Vinyl chloride	2.38	62	10199	1.235 ug/L #	69
6) Bromomethane	2.79	94	7309	1.152 ug/L	97
8) Chloroethane	2.94	64	5913	1.205 ug/L	100
9) Trichlorofluoromethane	3.28	101	7870	1.005 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	4.07	101	11919m	1.533 ug/L	
12) 1,1-Dichloroethene	4.05	96	11161m	1.435 ug/L	
13) Acetone	4.15	43	4622m	4.499 ug/L	
14) Carbon disulfide	4.40	76	24137	1.045 ug/L	99
15) Methyl Acetate	4.70	43	3161	1.254 ug/L #	63
16) Methylene chloride	4.93	84	26753	3.028 ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	9455	1.172 ug/L	94
18) Methyl tert-butyl Ether	5.44	73	12620	1.274 ug/L #	91
19) 1,1-Dichloroethane	6.23	63	15205	1.190 ug/L	93
20) cis-1,2-Dichloroethene	7.18	96	10025	1.196 ug/L	92
22) 2-Butanone	7.15	43	7282m	4.169 ug/L	

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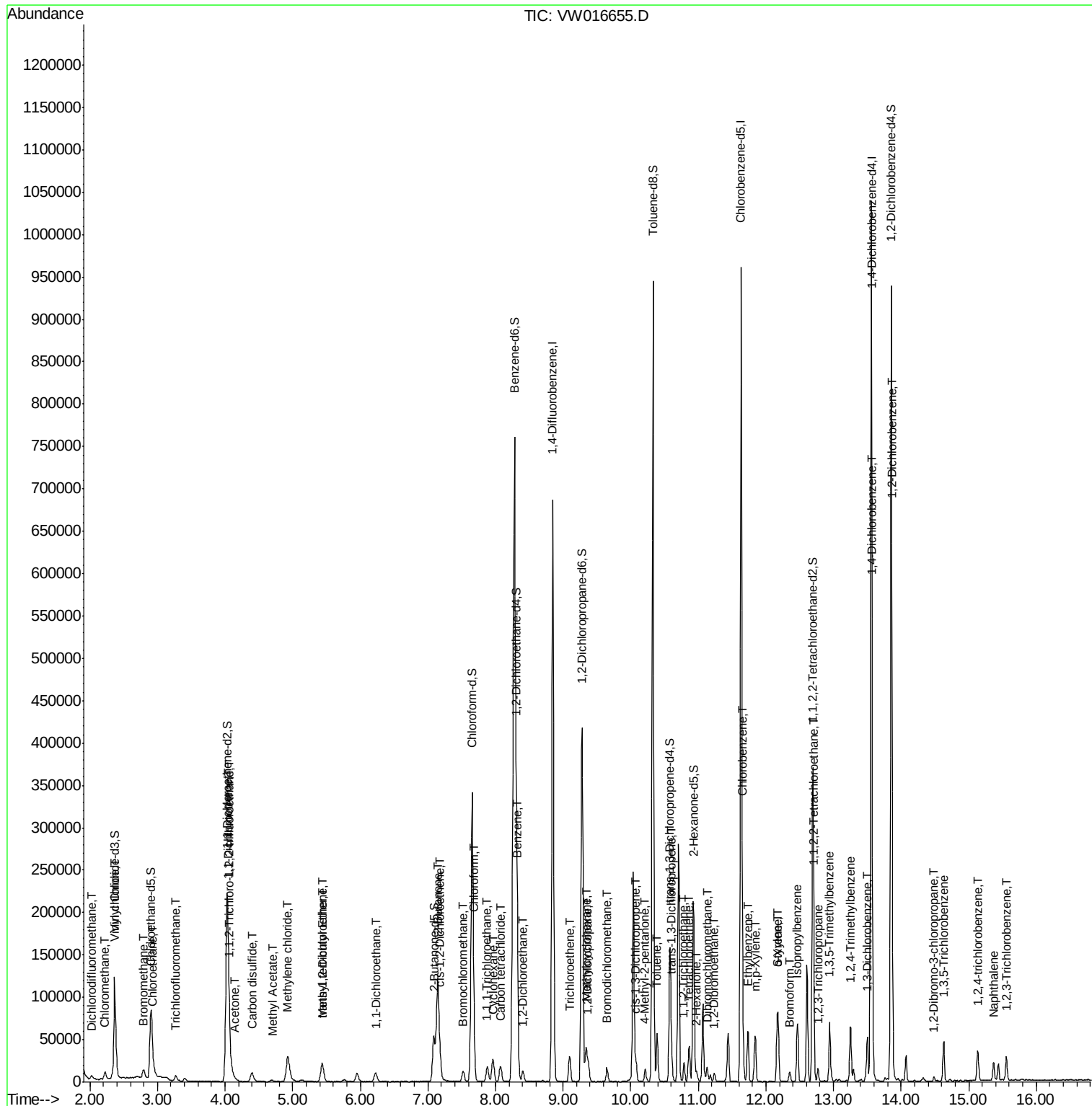
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4771	1.210	ug/L	93
25) Chloroform	7.68	83	16918	1.210	ug/L	97
27) 1,2-Dichloroethane	8.41	62	11349	1.308	ug/L #	89
29) Cyclohexane	7.96	56	13613	1.104	ug/L	98
30) 1,1,1-Trichloroethane	7.88	97	14936	1.135	ug/L	98
31) Carbon tetrachloride	8.07	117	14103	1.101	ug/L	100
33) Benzene	8.33	78	35190	1.151	ug/L	100
34) Trichloroethene	9.10	95	10313	1.176	ug/L	91
35) Methylcyclohexane	9.34	83	17337	1.183	ug/L	97
37) 1,2-Dichloropropane	9.37	63	8217	1.178	ug/L #	94
38) Bromodichloromethane	9.65	83	11459	1.108	ug/L	100
39) cis-1,3-Dichloropropene	10.08	75	12878	1.082	ug/L	99
40) 4-Methyl-2-pentanone	10.22	43	9986m	2.556	ug/L	
42) Toluene	10.39	91	40477	1.175	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	16034	1.571	ug/L	96
45) 1,1,2-Trichloroethane	10.79	97	6876	1.214	ug/L	99
46) Tetrachloroethene	10.87	164	9349	1.181	ug/L	93
48) 2-Hexanone	10.97	43	6663	2.742	ug/L	95
49) Dibromochloromethane	11.13	129	8592	1.156	ug/L	100
50) 1,2-Dibromoethane	11.24	107	6916	1.233	ug/L #	97
51) Chlorobenzene	11.66	112	26339	1.153	ug/L	97
52) Ethylbenzene	11.73	91	43773	1.128	ug/L	98
53) m,p-Xylene	11.84	106	17339	1.147	ug/L	86
54) o-Xylene	12.17	106	16206	1.133	ug/L	99
55) Styrene	12.18	104	25165	1.057	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	8439	1.384	ug/L #	95
59) Bromoform	12.35	173	4900	1.085	ug/L #	97
60) Isopropylbenzene	12.47	105	44347	1.086	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	6083	1.320	ug/L	96
62) 1,3,5-Trimethylbenzene	12.94	105	34801	1.035	ug/L	97
63) 1,2,4-Trimethylbenzene	13.25	105	36629	1.097	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	20869	1.113	ug/L	90
65) 1,4-Dichlorobenzene	13.58	146	21729	1.182	ug/L	99
67) 1,2-Dichlorobenzene	13.87	146	19777	1.193	ug/L	97
68) 1,2-Dibromo-3-chloropropan	14.49	75	1323	1.221	ug/L	86
69) 1,3,5-Trichlorobenzene	14.63	180	15133	1.094	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	11863	1.062	ug/L	99
71) Naphthalene	15.37	128	19426	1.036	ug/L	98
72) 1,2,3-Trichlorobenzene	15.56	180	10479	1.117	ug/L	99

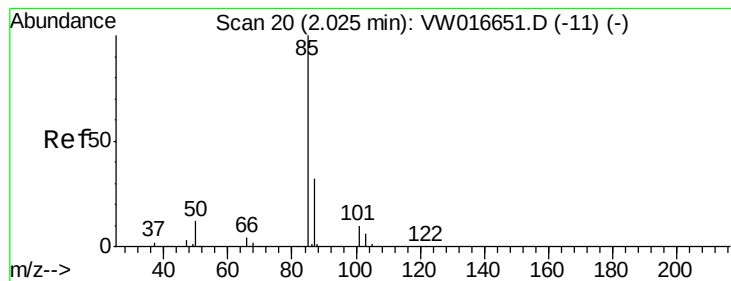
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.042 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

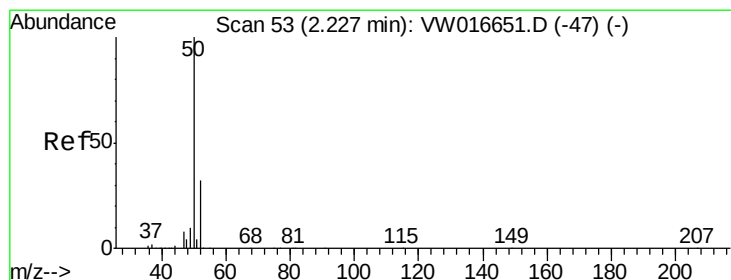
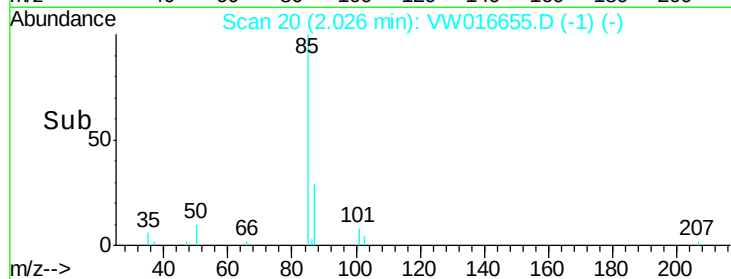
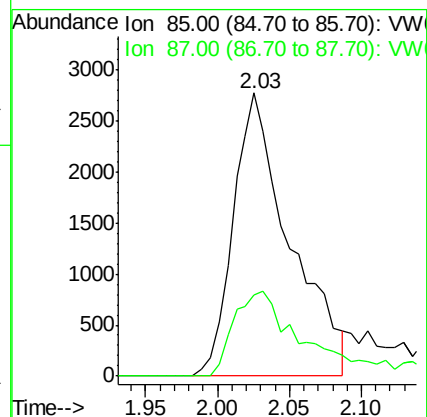
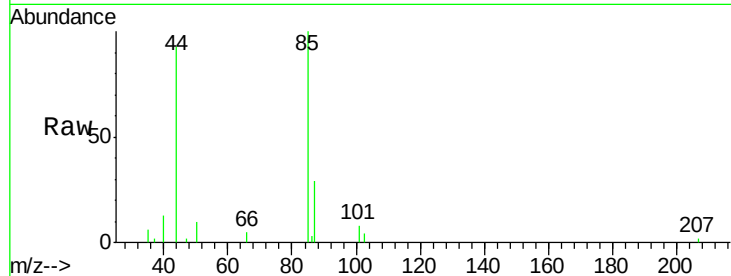
MDL-SOIL-07

Tot Ion: 85 Resp: 7571

Ion Ratio Lower Upper

85 100

87 26.4 21.4 32.0



#3

Chloromethane

Concen: 1.249 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016655.D

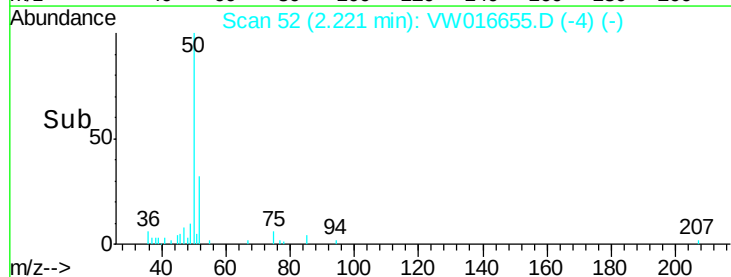
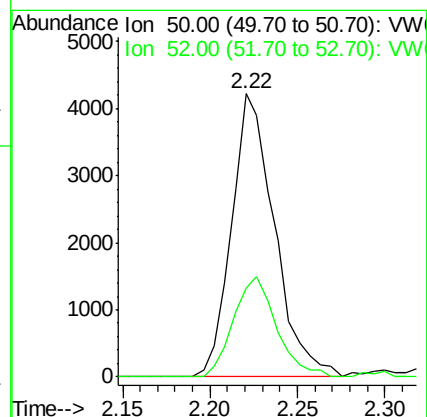
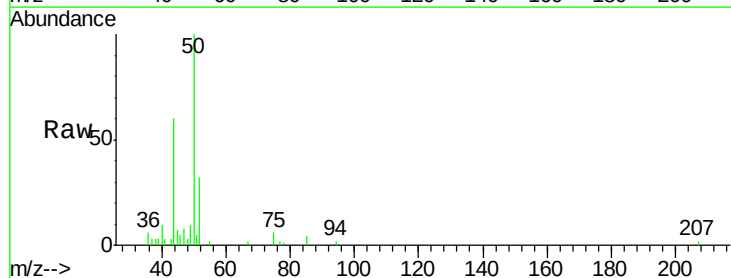
Acq: 25 Sep 2020 15:04

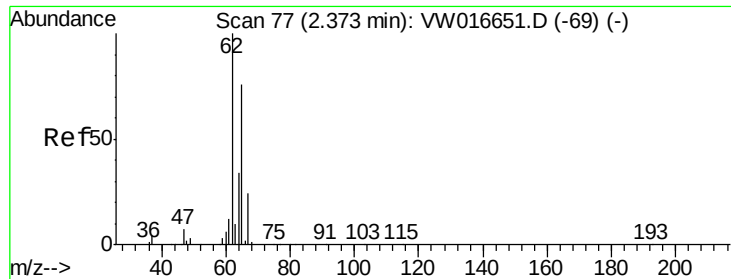
Tgt Ion: 50 Resp: 7194

Ion Ratio Lower Upper

50 100

52 31.5 22.1 41.1





#5

Vinyl chloride

Concen: 1.235 ug/L

RT: 2.38 min Scan# 78

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

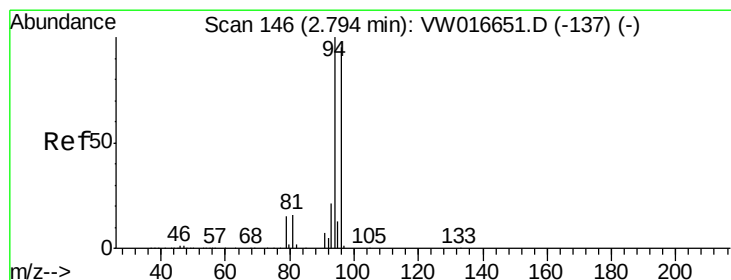
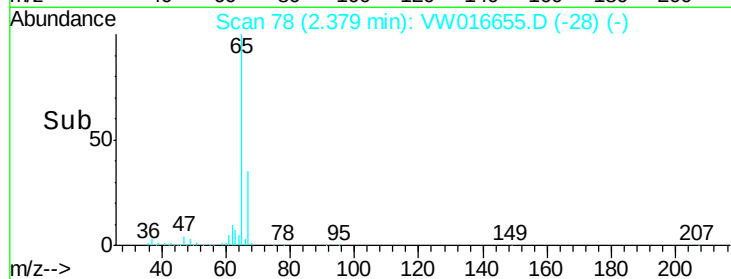
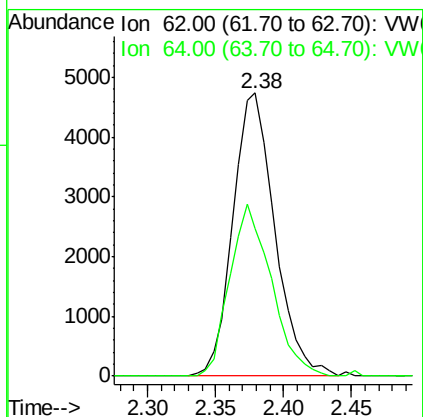
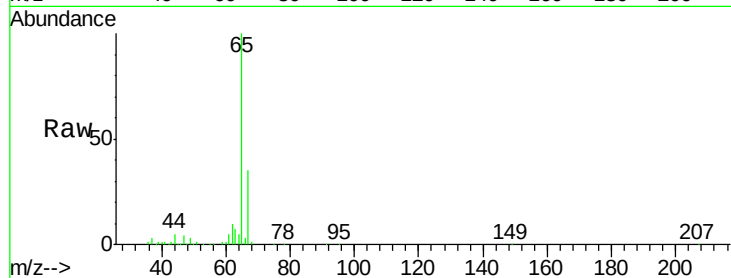
MDL-SOIL-07

Tot Ion: 62 Resp: 10199

Ion Ratio Lower Upper

62 100

64 52.1 24.1 44.7#



#6

Bromomethane

Concen: 1.152 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016655.D

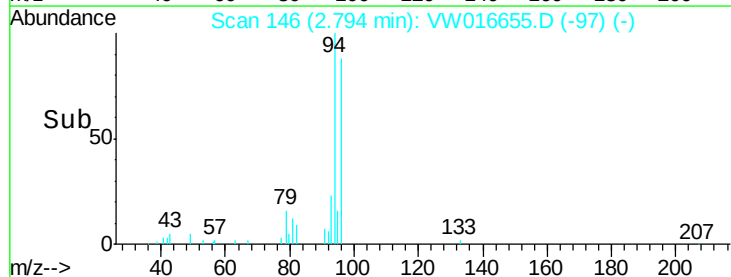
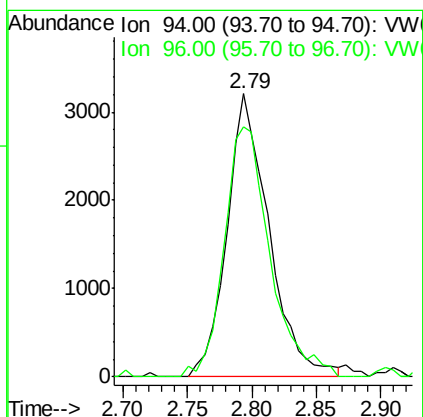
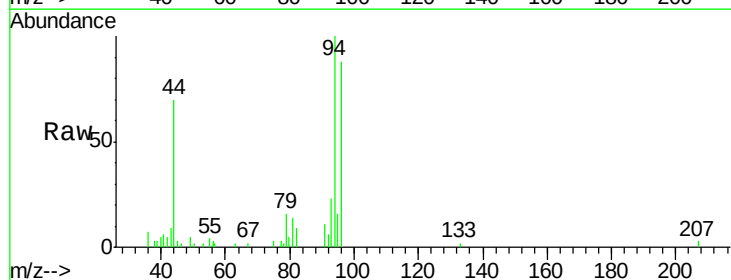
Acq: 25 Sep 2020 15:04

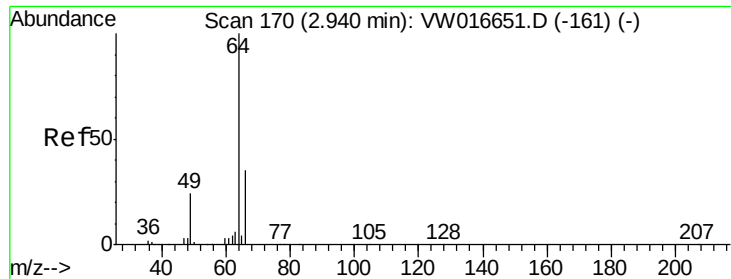
Tgt Ion: 94 Resp: 7309

Ion Ratio Lower Upper

94 100

96 88.5 64.2 119.2





#8

Chloroethane

Concen: 1.205 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

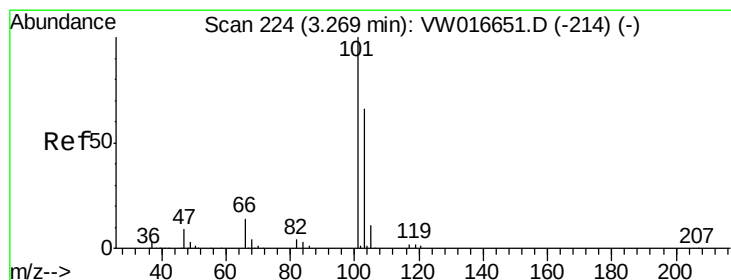
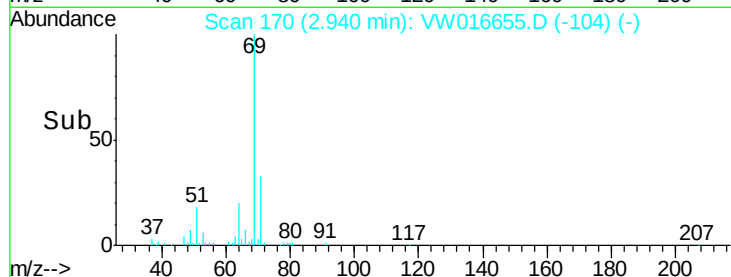
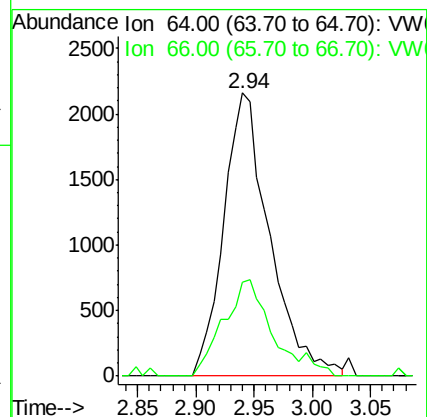
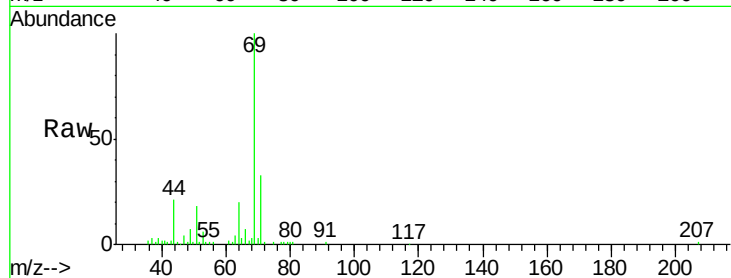
MDL-SOIL-07

Tot Ion: 64 Resp: 5913

Ion Ratio Lower Upper

64 100

66 33.3 23.5 43.7



#9

Trichlorofluoromethane

Concen: 1.005 ug/L

RT: 3.28 min Scan# 225

Delta R.T. 0.01 min

Lab File: VW016655.D

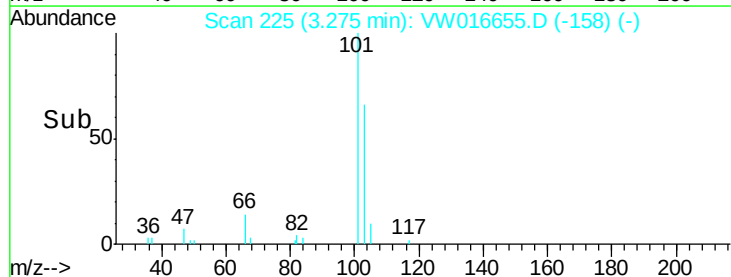
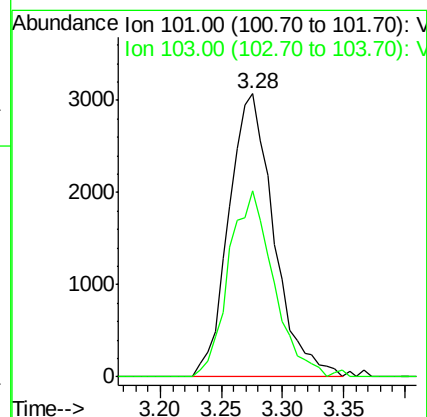
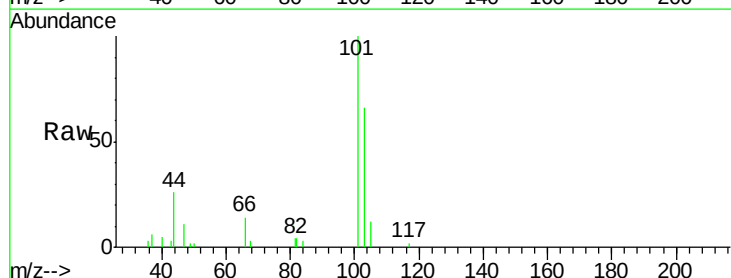
Acq: 25 Sep 2020 15:04

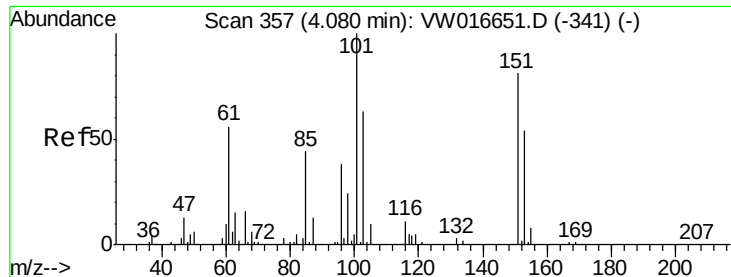
Tgt Ion: 101 Resp: 7870

Ion Ratio Lower Upper

101 100

103 64.9 51.8 77.8





#10

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

Concen: 1.533 ug/L m

RT: 4.07 min Scan# 355

Delta R.T. -0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

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ClientSampleId :

MDL-SOIL-07

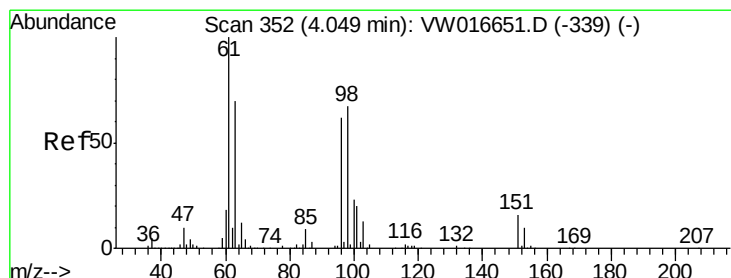
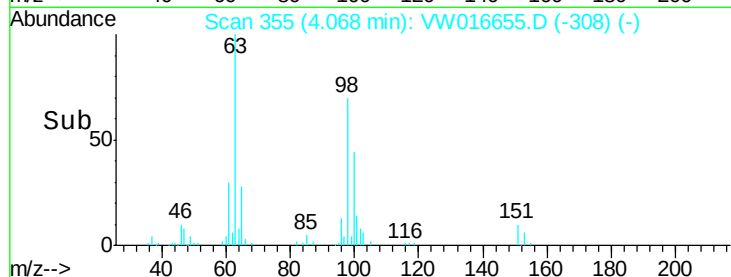
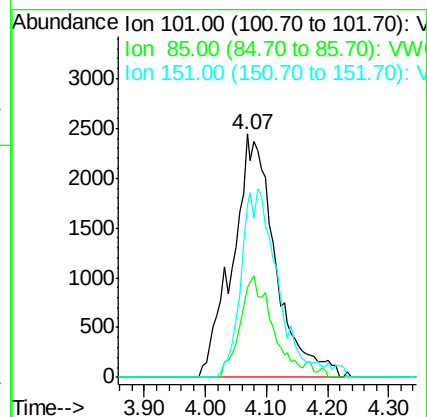
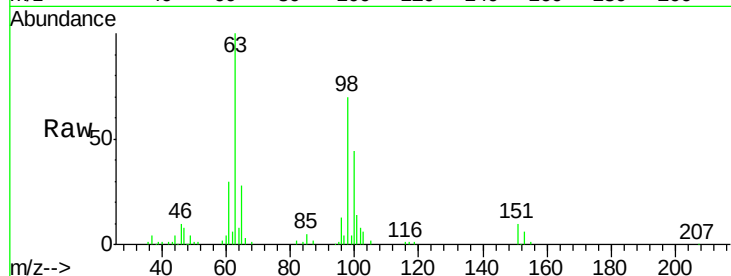
Tot Ion:101 Resp: 11919

Ion Ratio Lower Upper

101 100

85 20.4 32.2 48.2#

151 26.7 66.8 100.2#



#12

1,1-Dichloroethene

Concen: 1.435 ug/L m

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

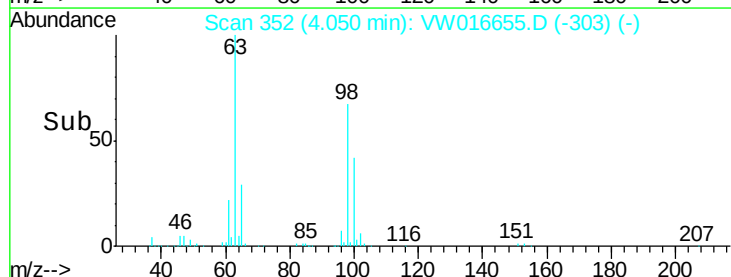
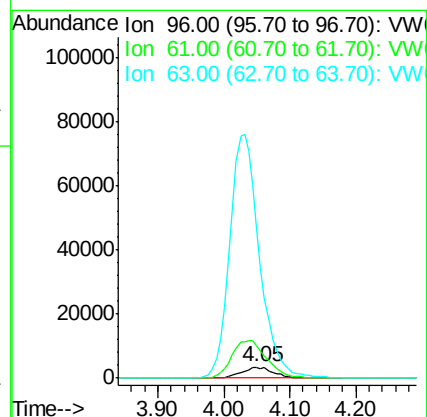
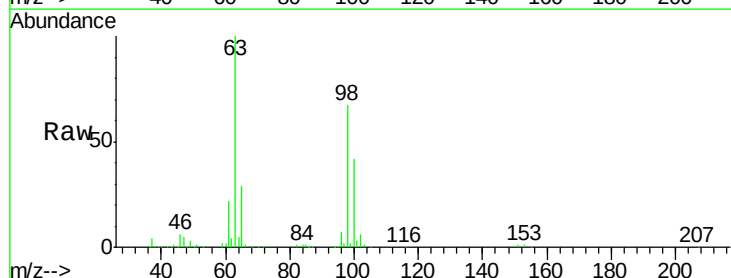
Tgt Ion: 96 Resp: 11161

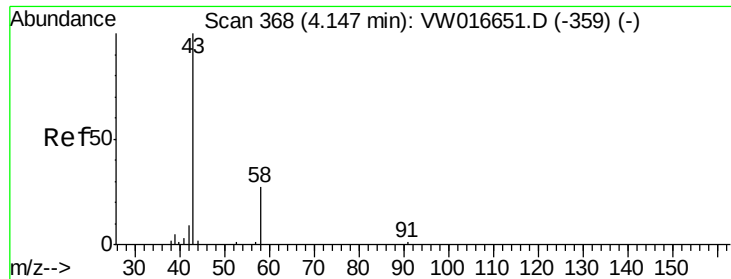
Ion Ratio Lower Upper

96 100

61 304.3 112.1 208.3#

63 1400.0 74.2 137.8#





#13

Acetone

Concen: 4.499 ug/L m

RT: 4.15 min Scan# 369

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

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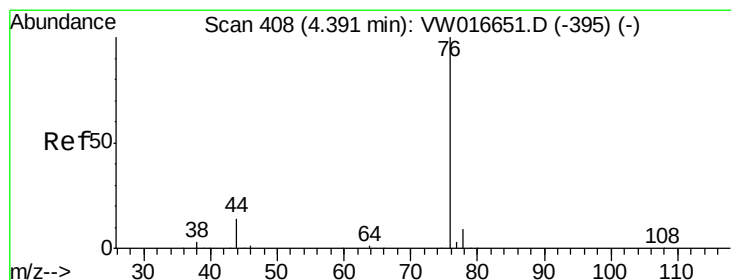
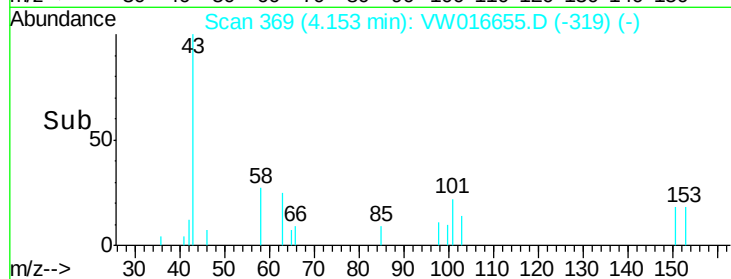
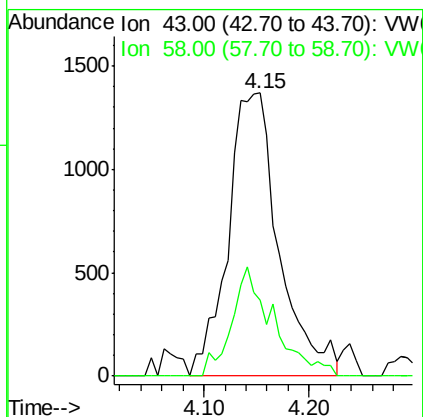
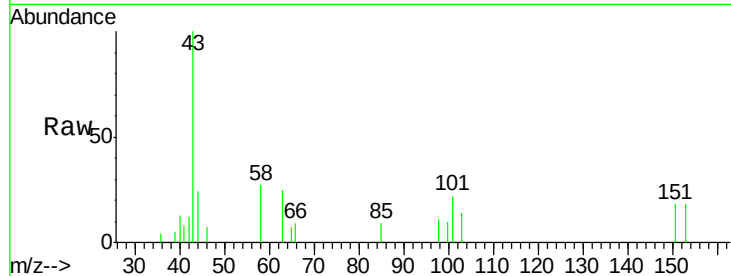
MDL-SOIL-07

Tot Ion: 43 Resp: 4622

Ion Ratio Lower Upper

43 100

58 16.5 0.0 59.4



#14

Carbon disulfide

Concen: 1.045 ug/L

RT: 4.40 min Scan# 410

Delta R.T. 0.01 min

Lab File: VW016655.D

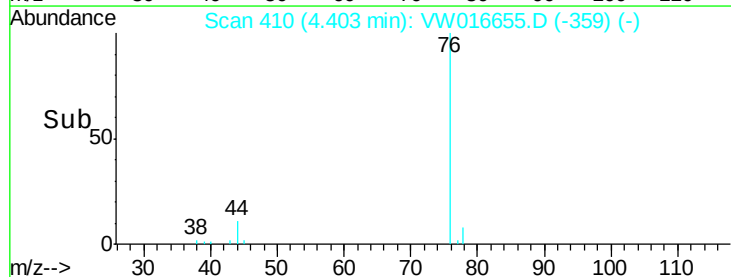
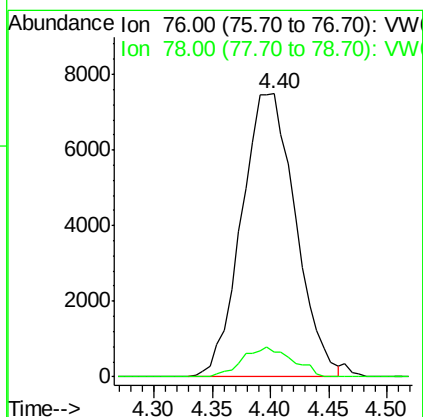
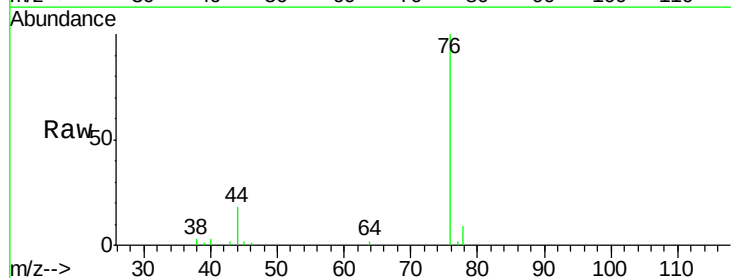
Acq: 25 Sep 2020 15:04

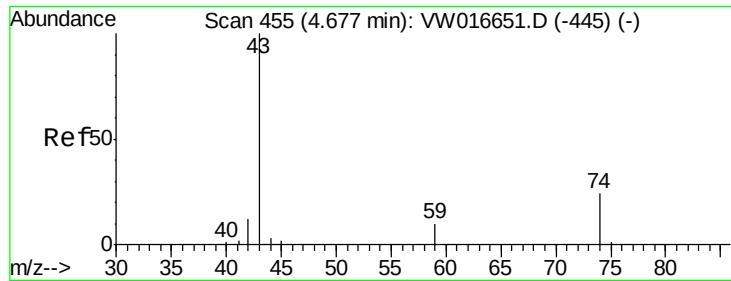
Tgt Ion: 76 Resp: 24137

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9

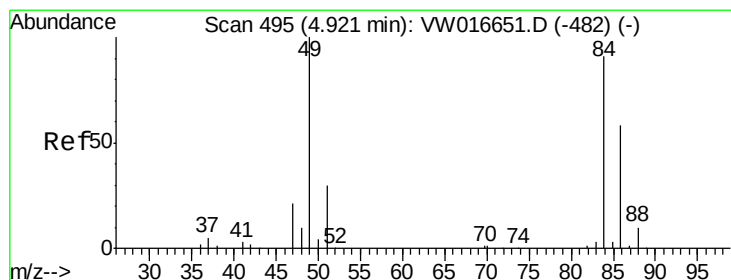
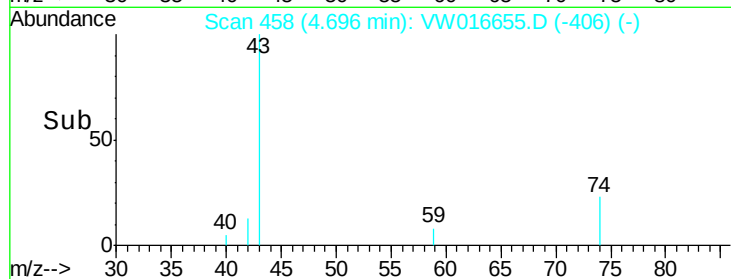
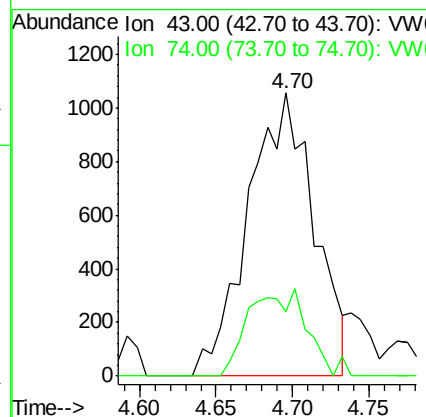
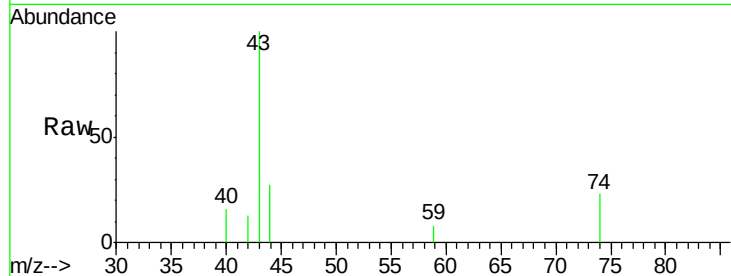




#15
Methvl Acetate
Concen: 1.254 ug/L
RT: 4.70 min Scan# 458
Delta R.T. 0.02 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

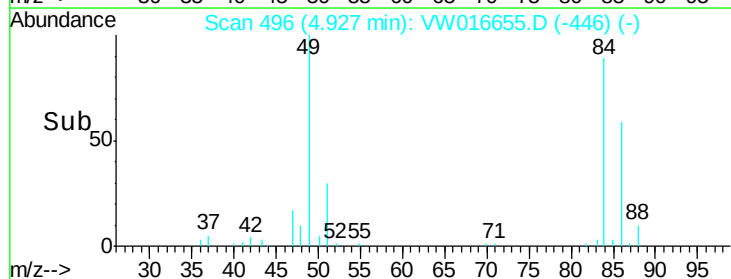
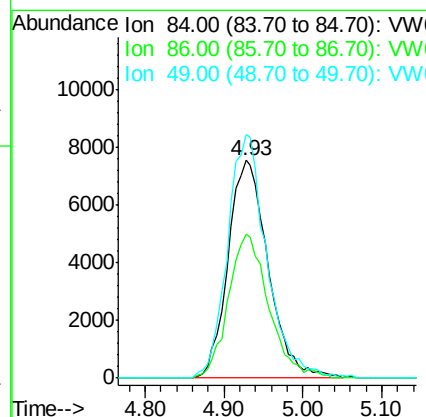
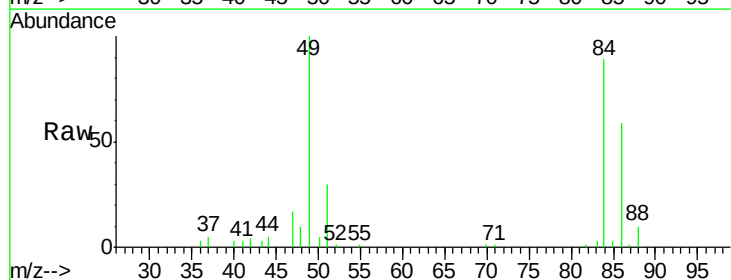
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

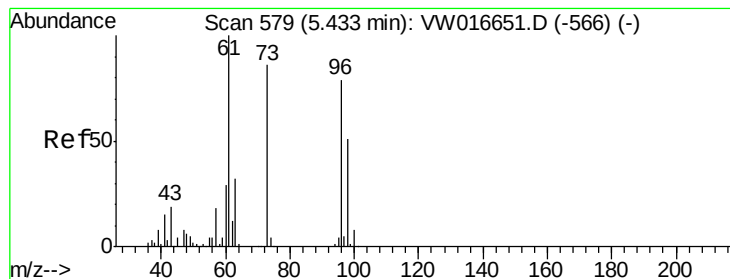
Tot Ion: 43 Resp: 3161
Ion Ratio Lower Upper
43 100
74 8.3 21.9 32.9#



#16
Methylene chloride
Concen: 3.028 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion: 84 Resp: 26753
Ion Ratio Lower Upper
84 100
86 66.1 46.2 85.8
49 111.9 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 1.172 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-07

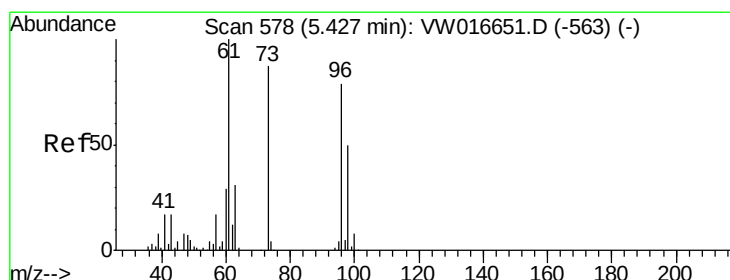
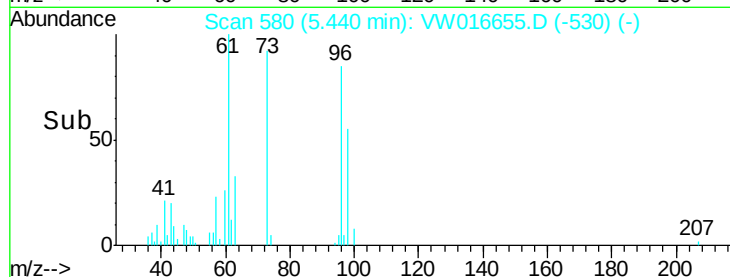
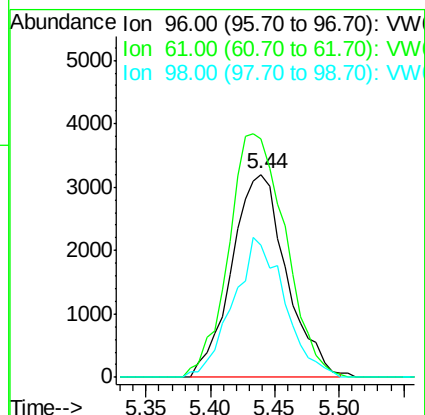
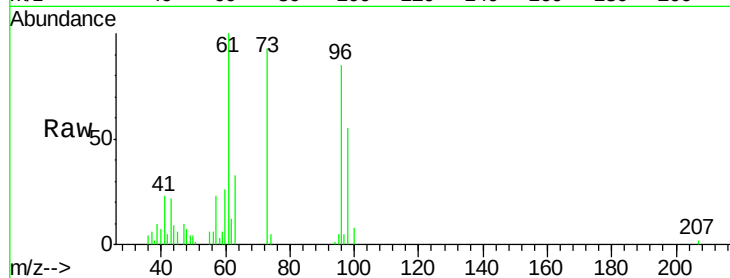
Tot Ion: 96 Resp: 9455

Ion Ratio Lower Upper

96 100

61 117.9 89.7 166.7

98 64.9 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 1.274 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

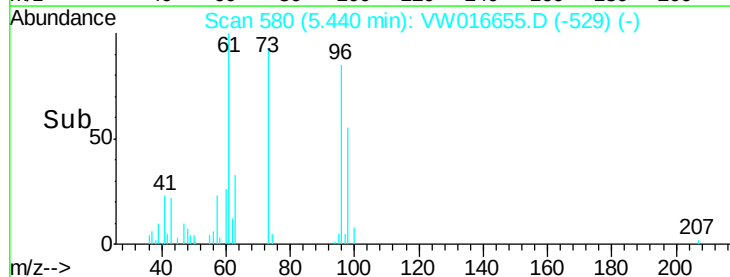
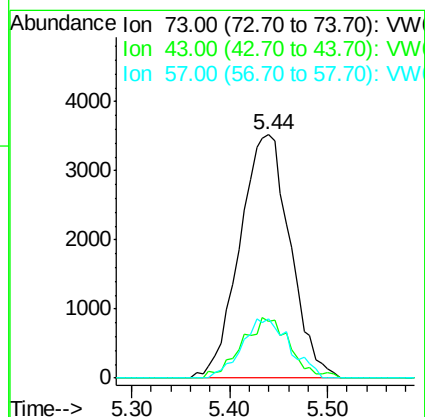
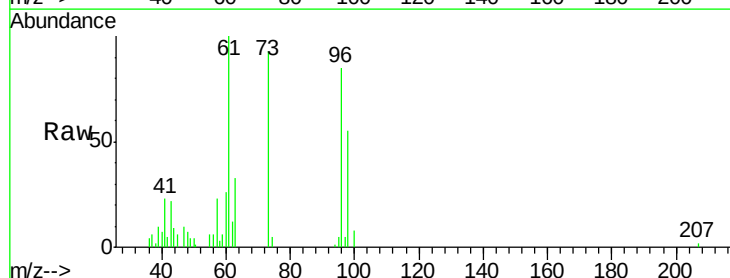
Tgt Ion: 73 Resp: 12620

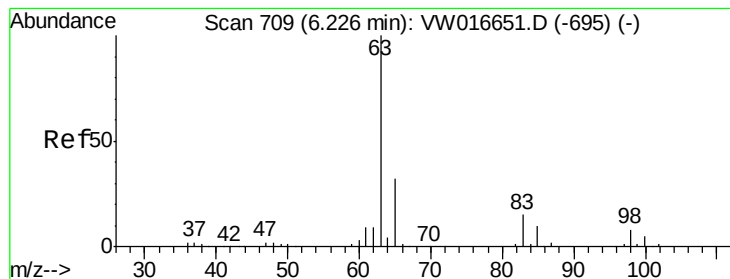
Ion Ratio Lower Upper

73 100

43 15.9 17.0 25.6#

57 17.5 16.3 24.5





#19

1,1-Dichloroethane

Concen: 1.190 ug/L

RT: 6.23 min Scan# 710

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-07

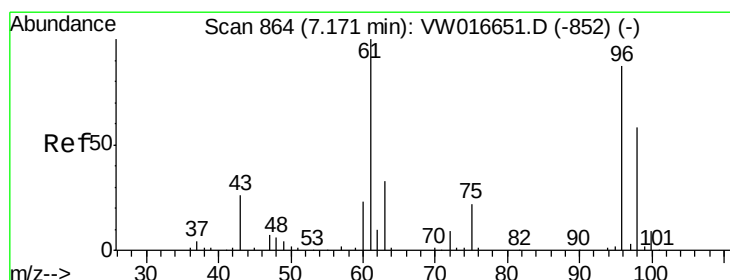
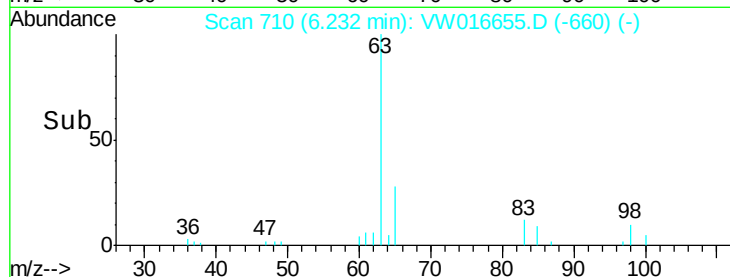
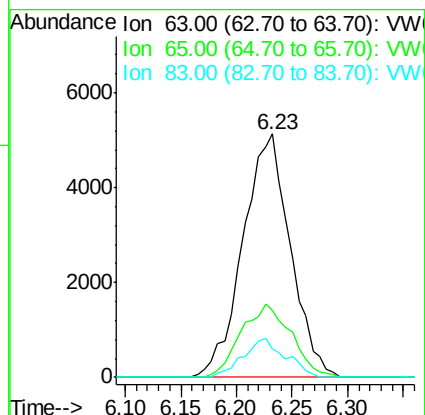
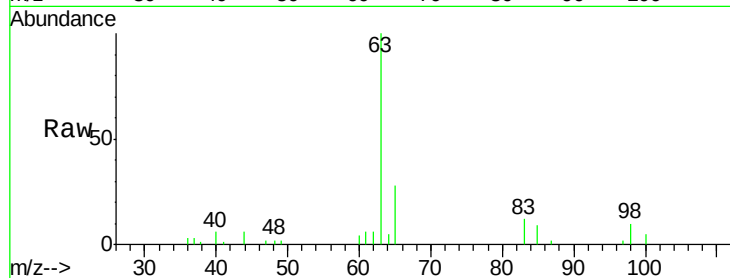
Tot Ion: 63 Resp: 15205

Ion Ratio Lower Upper

63 100

65 27.6 21.8 40.6

83 11.8 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 1.196 ug/L

RT: 7.18 min Scan# 865

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

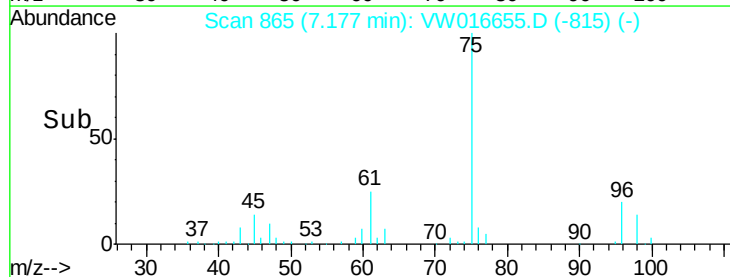
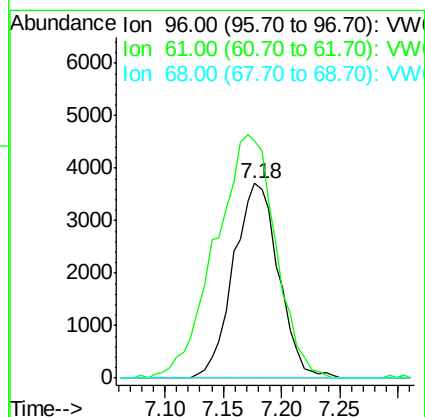
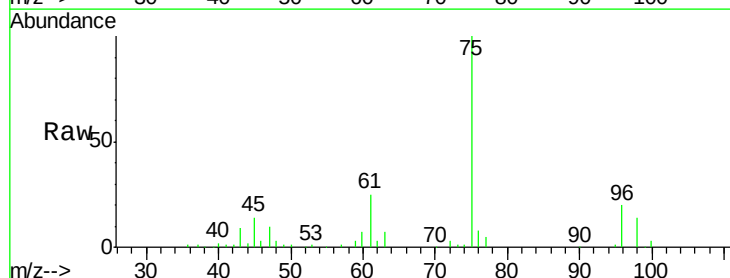
Tgt Ion: 96 Resp: 10025

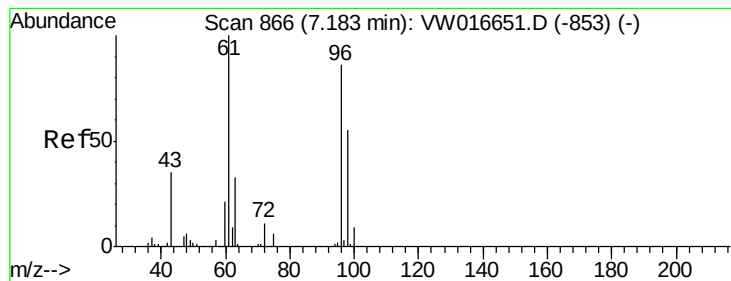
Ion Ratio Lower Upper

96 100

61 122.2 79.2 147.0

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.169 ug/L m

RT: 7.15 min Scan# 861

Delta R.T. -0.03 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

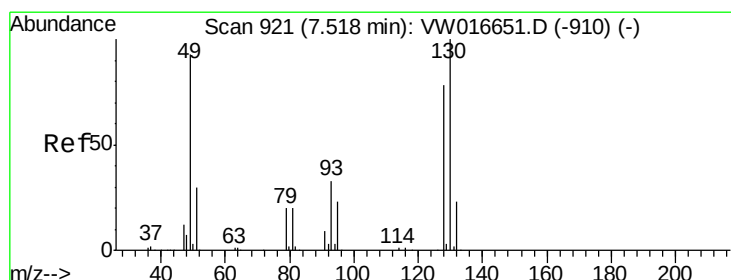
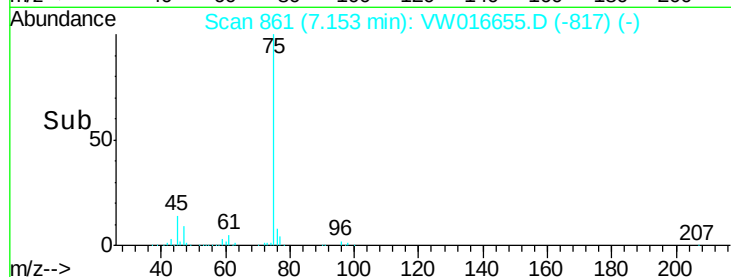
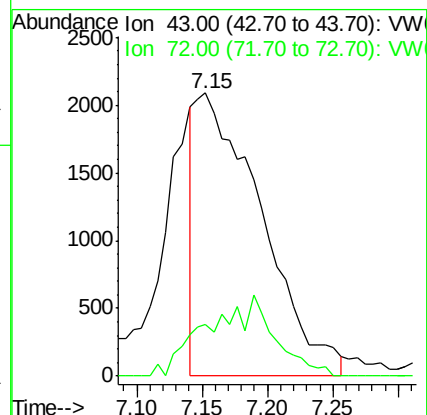
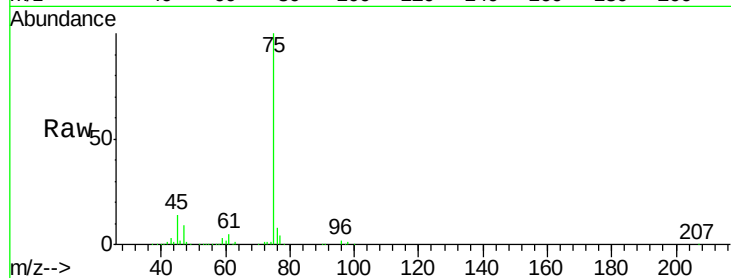
MDL-SOIL-07

Tot Ion: 43 Resp: 7282

Ion Ratio Lower Upper

43 100

72 0.4 15.7 47.0#



#23

Bromochloromethane

Concen: 1.210 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Tgt Ion: 128 Resp: 4771

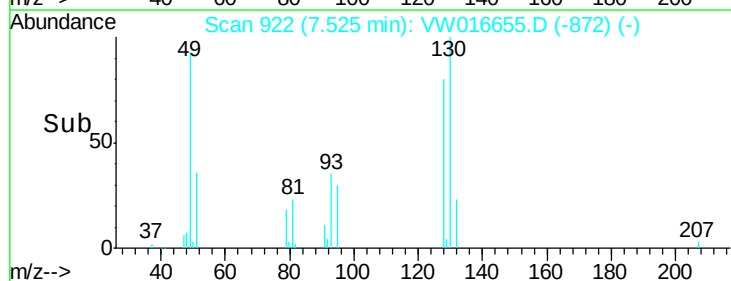
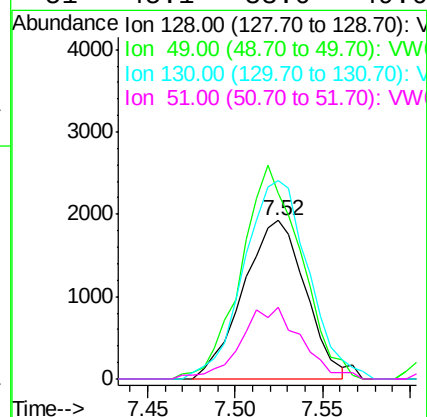
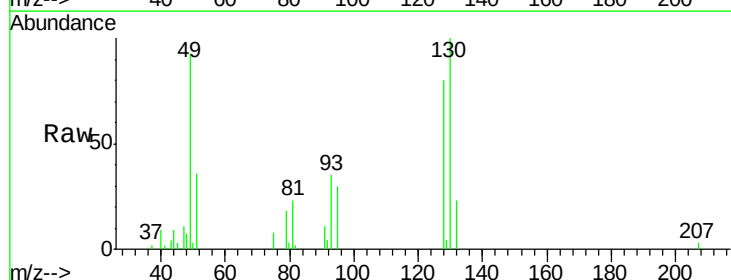
Ion Ratio Lower Upper

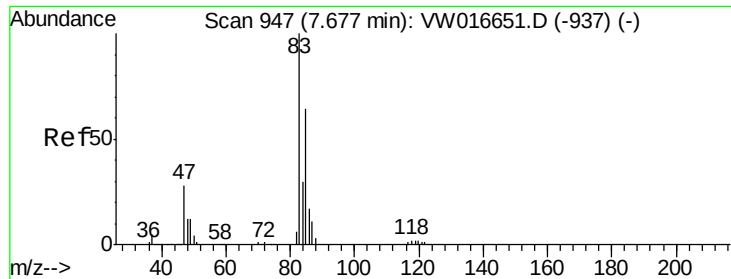
128 100

49 116.6 91.5 169.9

130 124.9 89.0 165.4

51 45.1 33.0 49.6

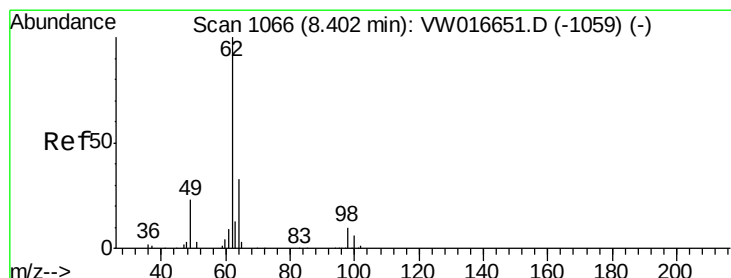
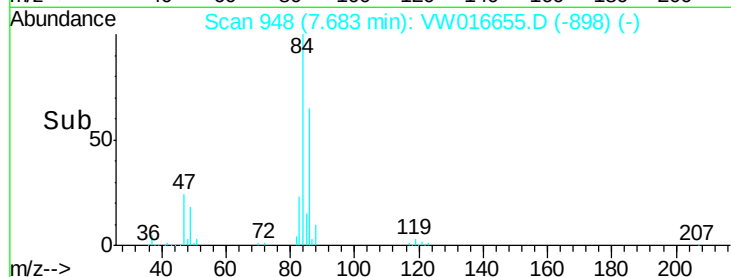
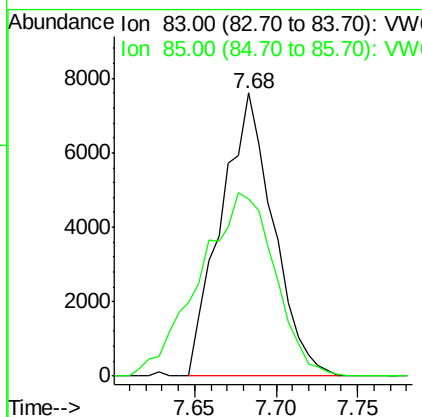
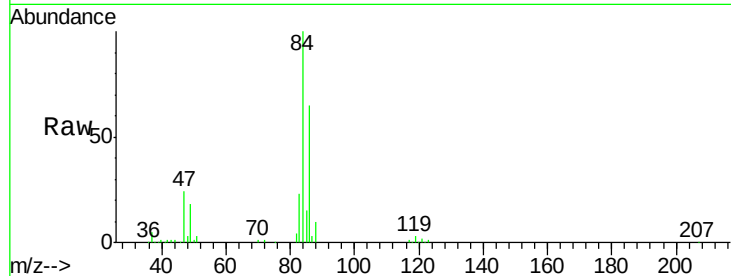




#25
Chloroform
Concen: 1.210 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

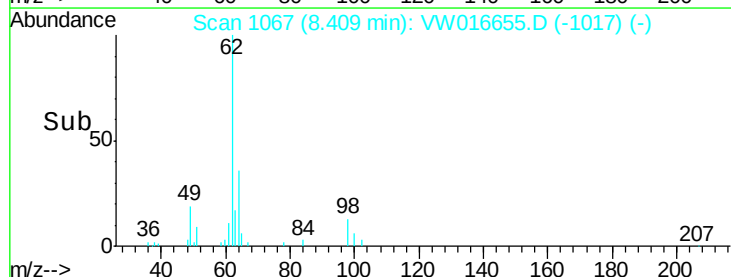
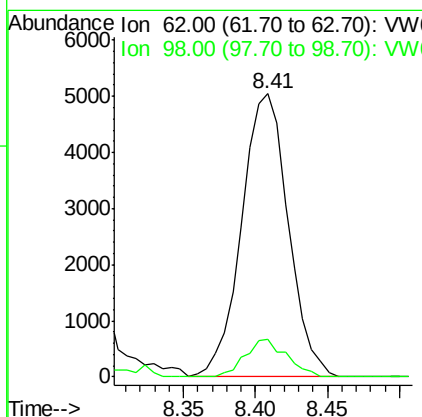
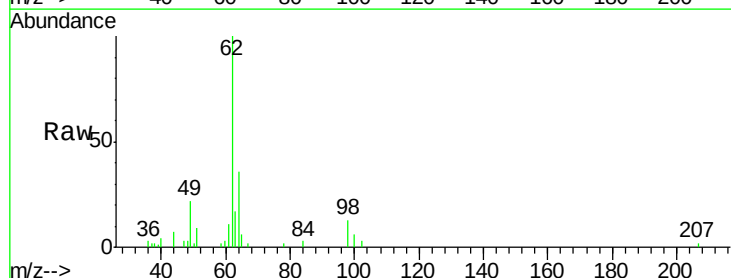
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

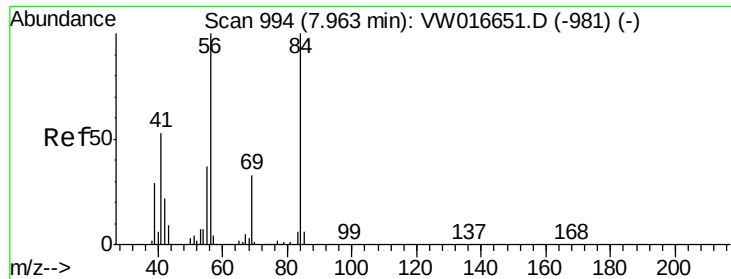
Tot Ion: 83 Resp: 16918
Ion Ratio Lower Upper
83 100
85 62.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.308 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion: 62 Resp: 11349
Ion Ratio Lower Upper
62 100
98 13.1 7.3 10.9#

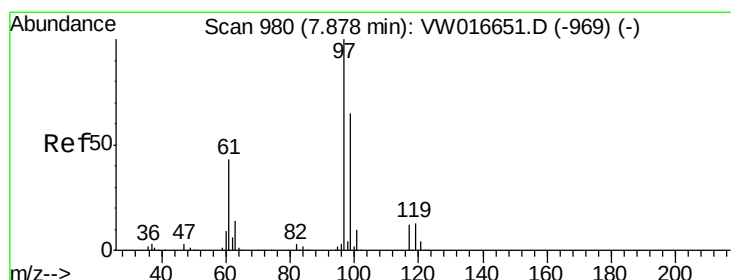
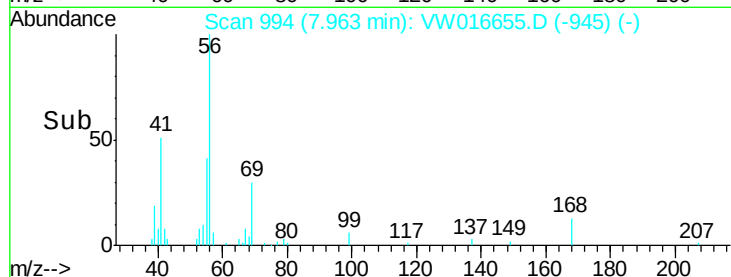
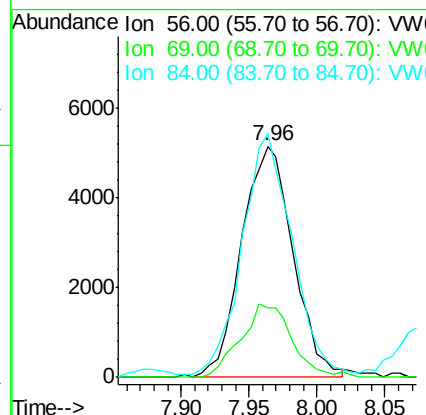
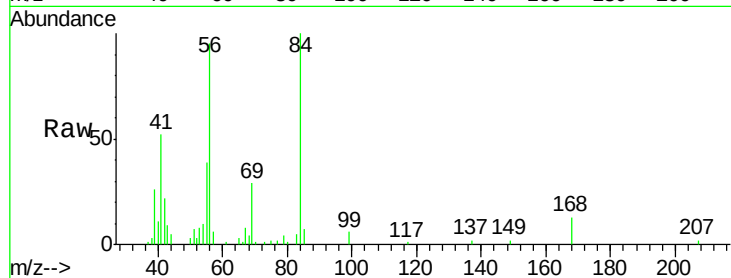




#29
Cyclohexane
Concen: 1.104 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

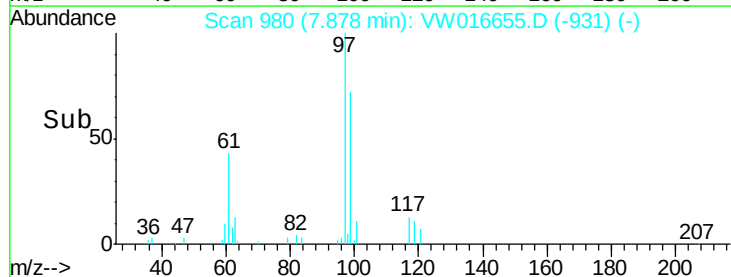
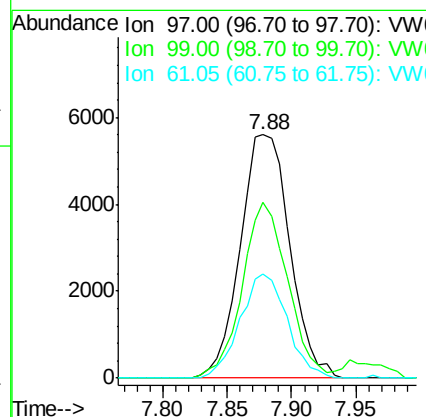
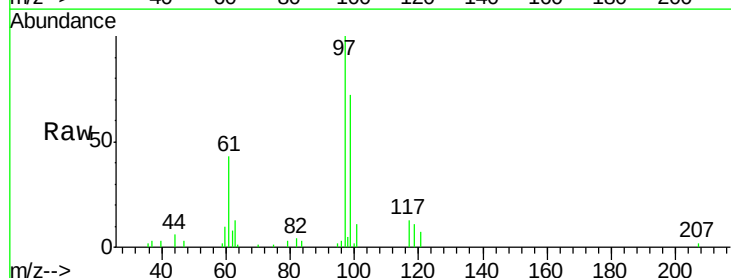
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

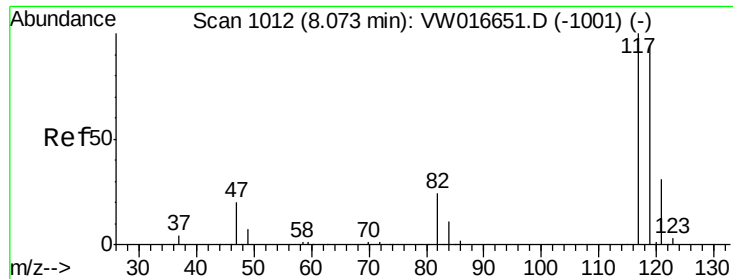
Tot Ion: 56 Resp: 13613
Ion Ratio Lower Upper
56 100
69 31.0 26.4 39.6
84 101.1 79.9 119.9



#30
1,1,1-Trichloroethane
Concen: 1.135 ug/L
RT: 7.88 min Scan# 980
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion: 97 Resp: 14936
Ion Ratio Lower Upper
97 100
99 66.0 50.9 76.3
61 40.5 33.2 49.8

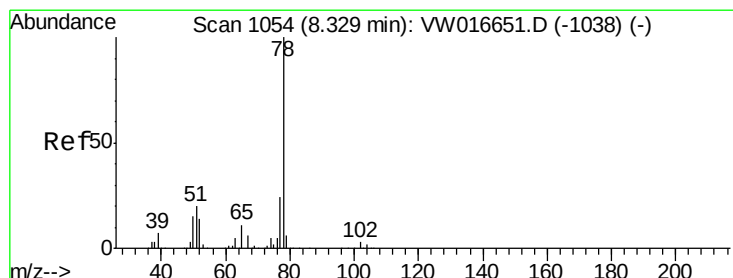
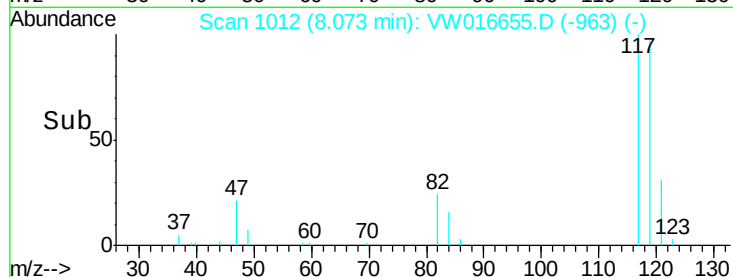
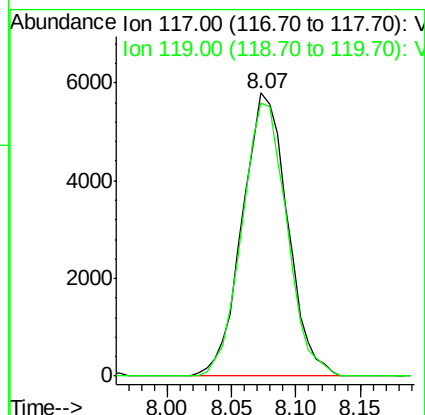
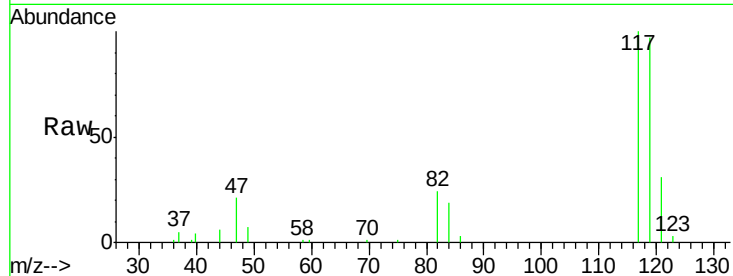




#31
Carbon tetrachloride
Concen: 1.101 ug/L
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

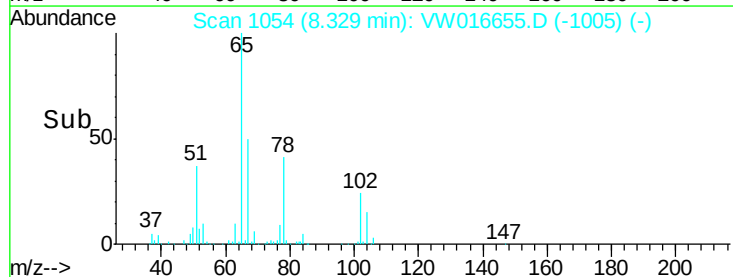
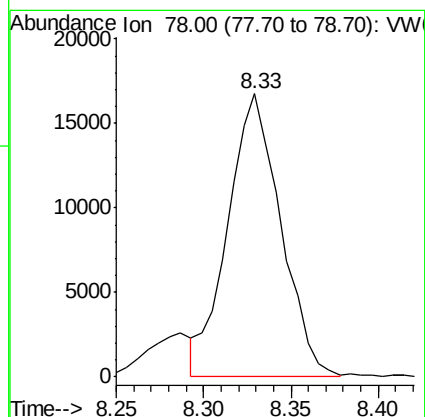
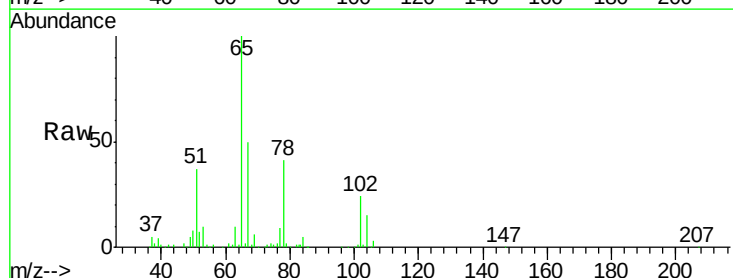
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-07

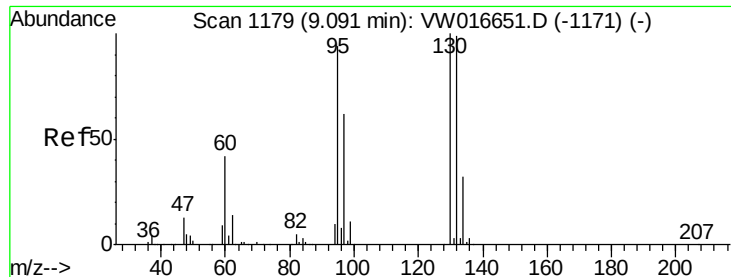
Tot Ion:117 Resp: 14103
Ion Ratio Lower Upper
117 100
119 95.5 76.7 115.1



#33
Benzene
Concen: 1.151 ug/L
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion: 78 Resp: 35190





#34

Trichloroethene

Concen: 1.176 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

MDL-SOIL-07

Tot Ion: 95 Resp: 10313

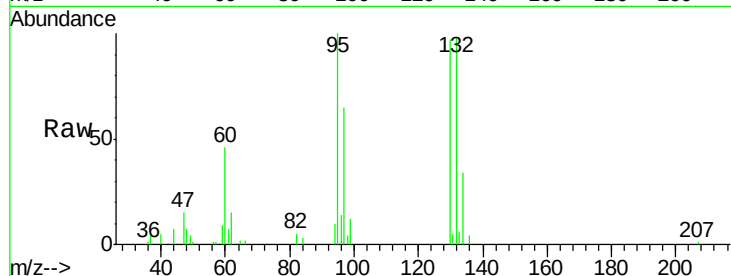
Ion Ratio Lower Upper

95 100

97 64.8 45.1 83.9

132 97.6 73.8 137.2

130 96.7 78.3 145.5

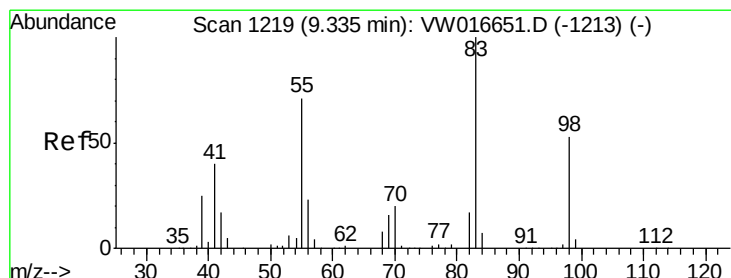
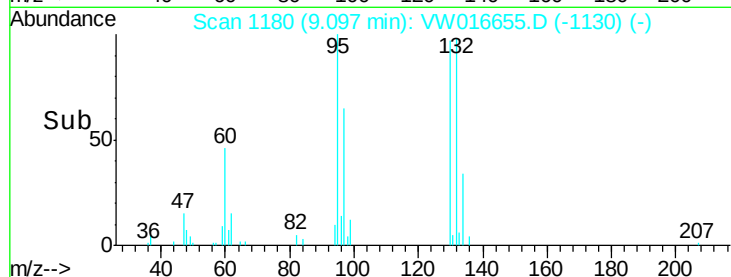
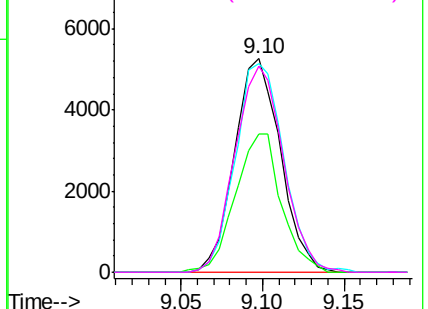


Abundance Ion 95.00 (94.70 to 95.70): VW

Ion 97.00 (96.70 to 97.70): VW

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#35

Methylcyclohexane

Concen: 1.183 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

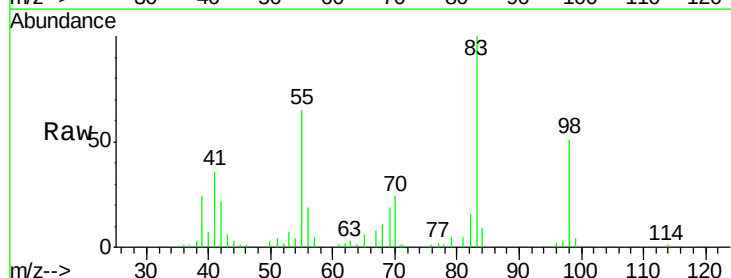
Tgt Ion: 83 Resp: 17337

Ion Ratio Lower Upper

83 100

55 68.3 55.9 83.9

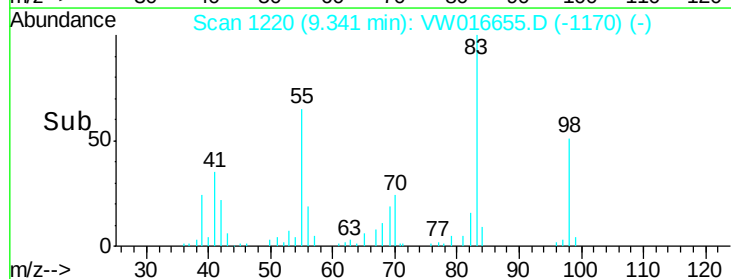
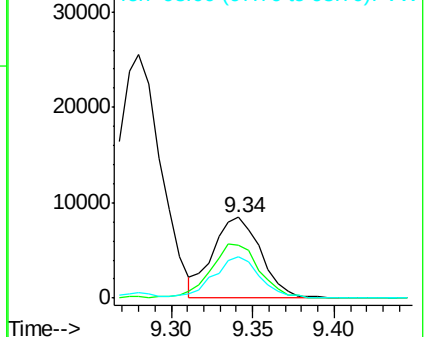
98 49.6 41.5 62.3

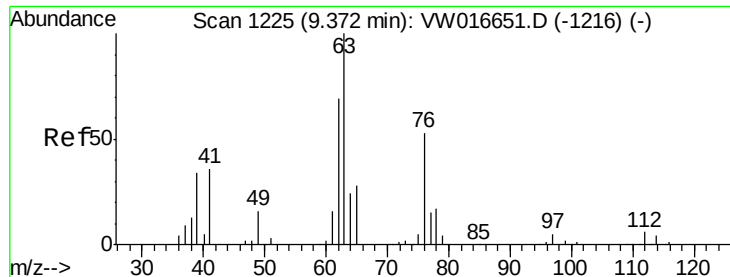


Abundance Ion 83.00 (82.70 to 83.70): VW

Ion 55.00 (54.70 to 55.70): VW

Ion 98.00 (97.70 to 98.70): VW

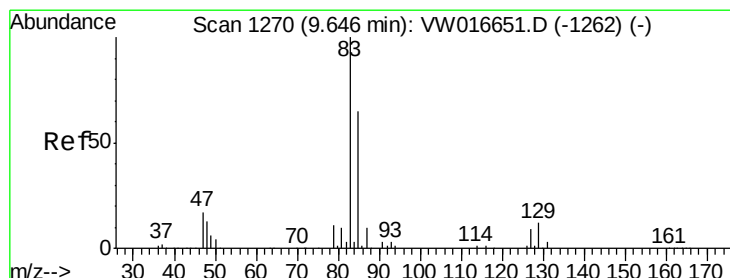
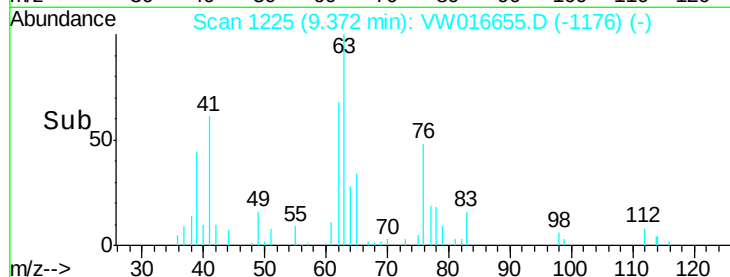
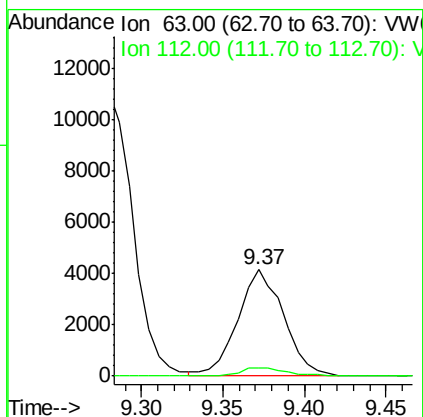
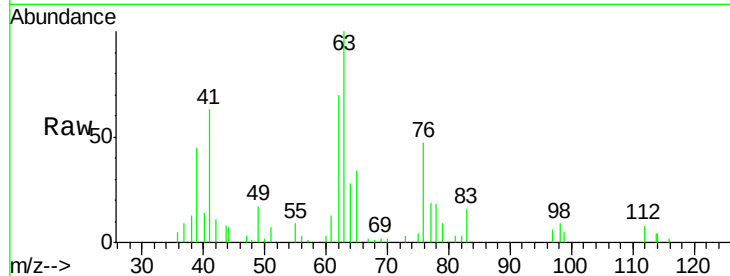




#37
 1,2-Dichloropropane
 Concen: 1.178 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

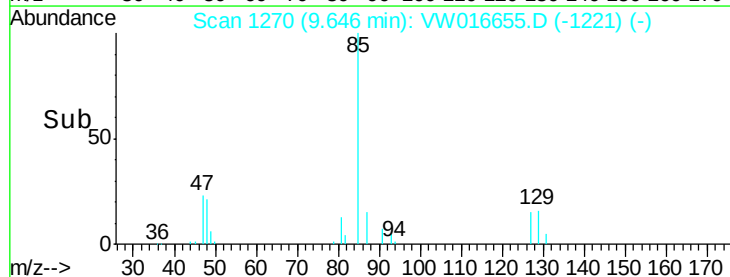
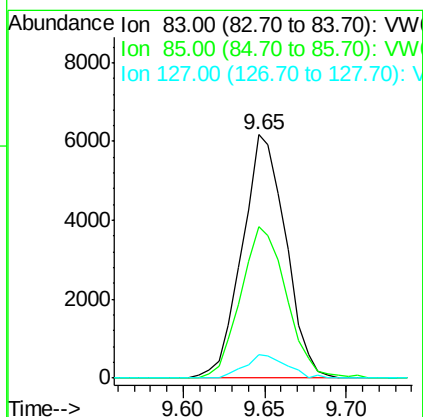
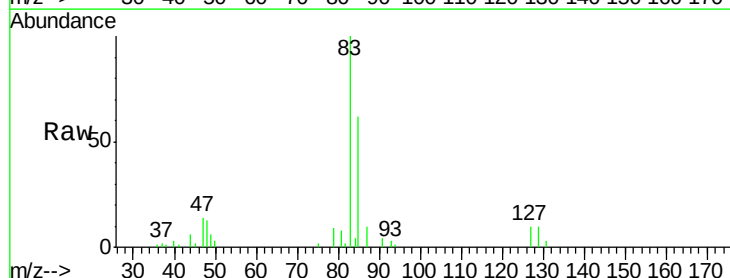
Instrument :
 MSVOA_W
 ClientSampled :
 MDL-SOIL-07

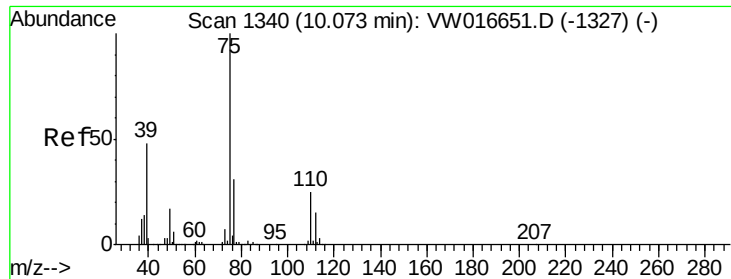
Tot Ion: 63 Resp: 8217
 Ion Ratio Lower Upper
 63 100
 112 7.3 4.2 6.4#



#38
 Bromodichloromethane
 Concen: 1.108 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion: 83 Resp: 11459
 Ion Ratio Lower Upper
 83 100
 85 62.1 43.7 81.1
 127 9.6 7.4 11.2

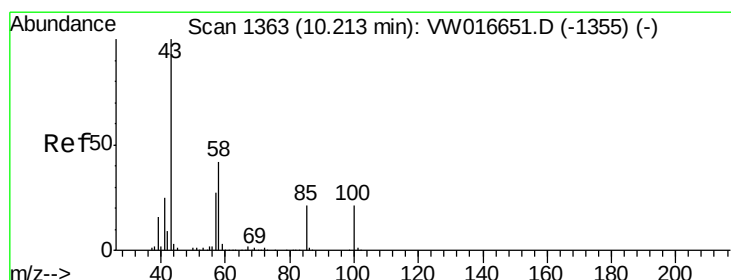
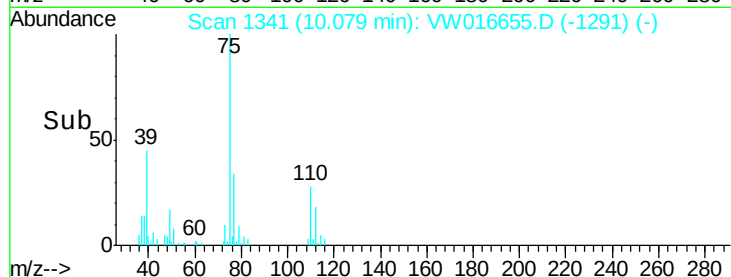
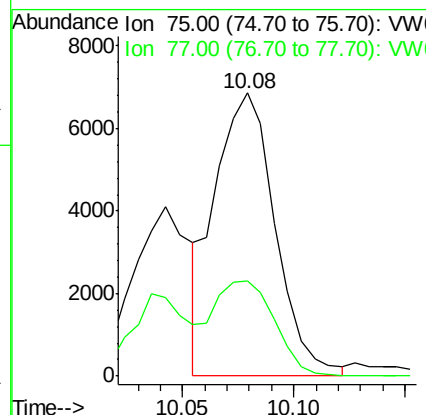
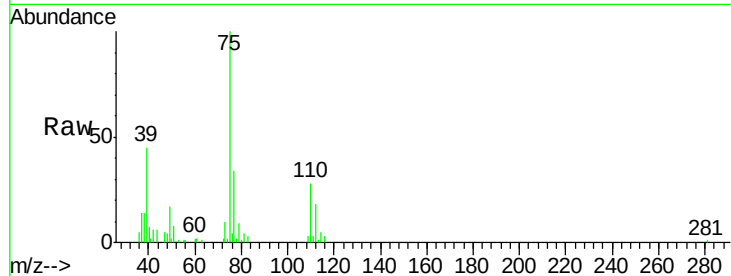




#39
 cis-1,3-Dichloropropene
 Concen: 1.082 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

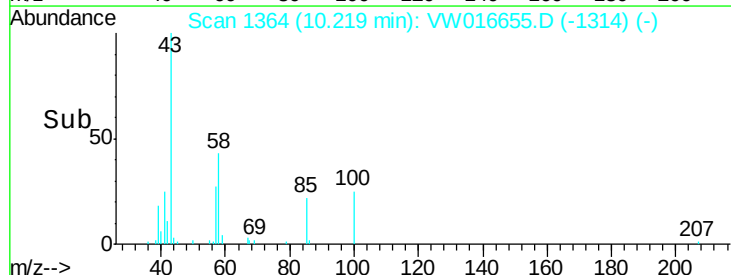
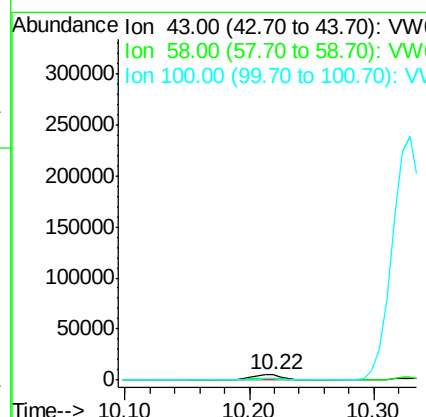
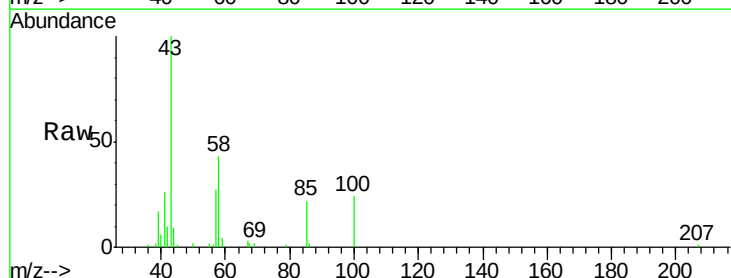
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

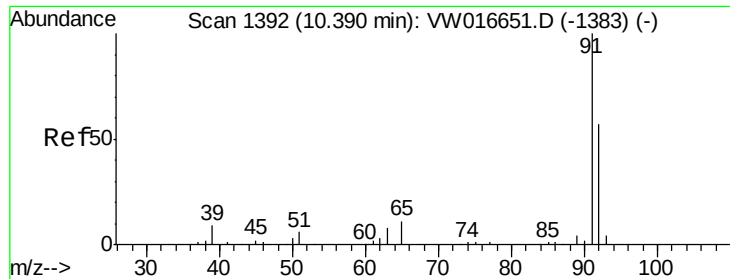
Tot Ion: 75 Resp: 12878
 Ion Ratio Lower Upper
 75 100
 77 33.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 2.556 ug/L m
 RT: 10.22 min Scan# 1364
 Delta R.T. 0.01 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion: 43 Resp: 9986
 Ion Ratio Lower Upper
 43 100
 58 40.5 33.0 49.4
 100 20.9 16.0 24.0





#42

Toluene

Concen: 1.175 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

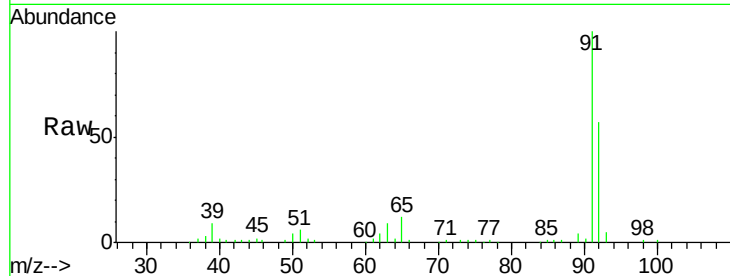
MDL-SOIL-07

Tot Ion: 91 Resp: 40477

Ion Ratio Lower Upper

91 100

92 57.3 41.1 76.3



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW

10.39

25000

20000

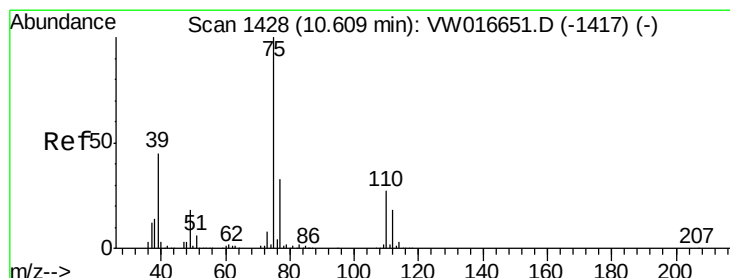
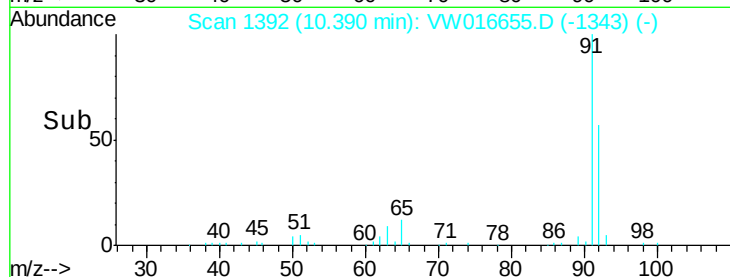
15000

10000

5000

0

Time--> 10.30 10.40 10.50



#44

trans-1,3-Dichloropropene

Concen: 1.571 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016655.D

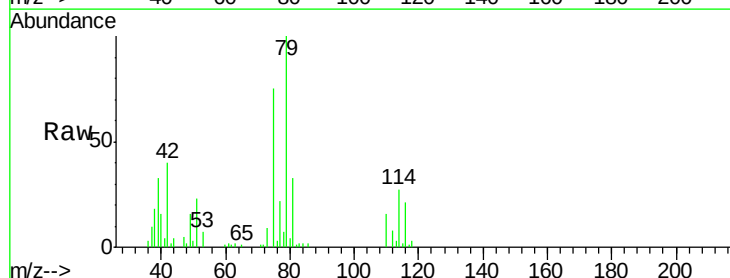
Acq: 25 Sep 2020 15:04

Tgt Ion: 75 Resp: 16034

Ion Ratio Lower Upper

75 100

77 29.4 22.1 41.1



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

10.60

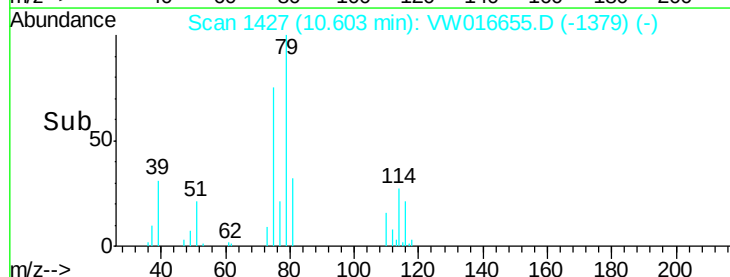
6000

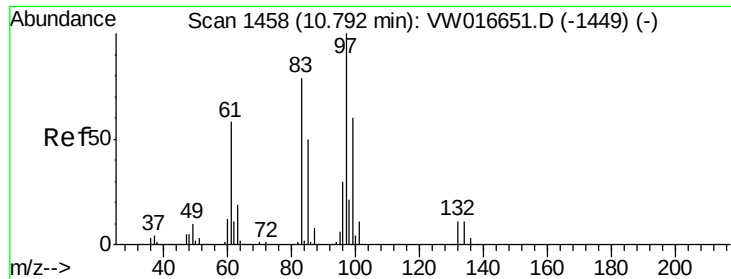
4000

2000

0

Time--> 10.50 10.60 10.70

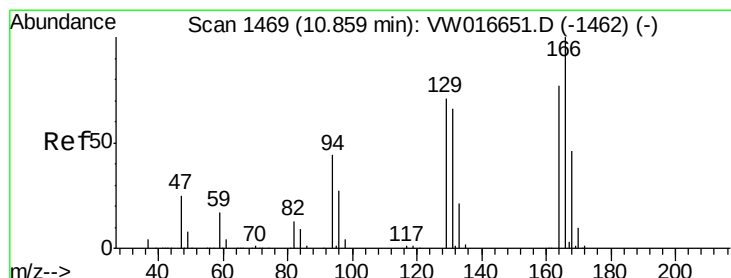
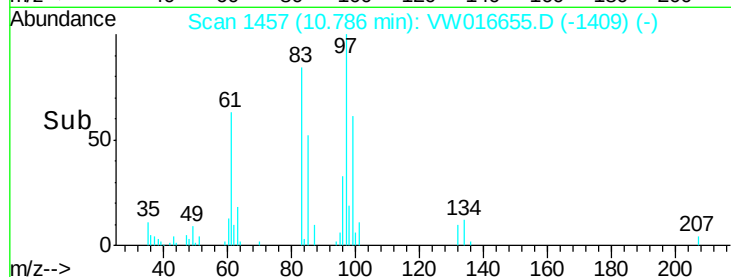
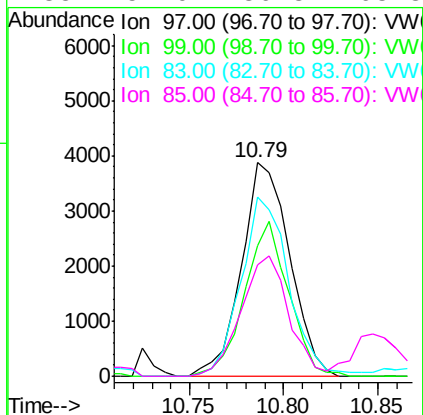
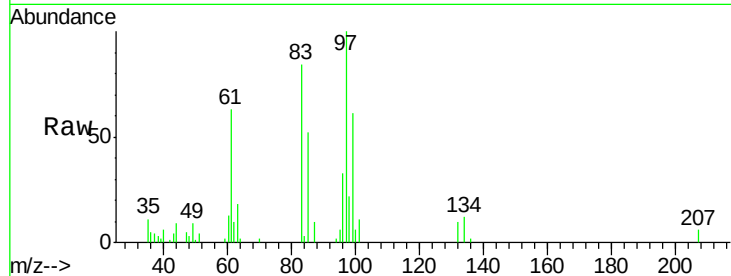




#45
 1,1,2-Trichloroethane
 Concen: 1.214 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. -0.01 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

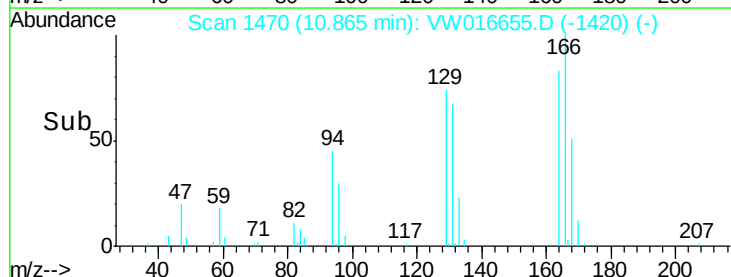
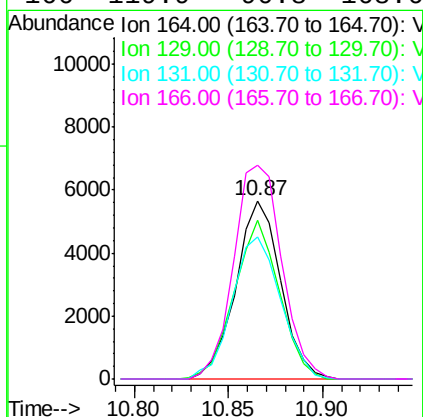
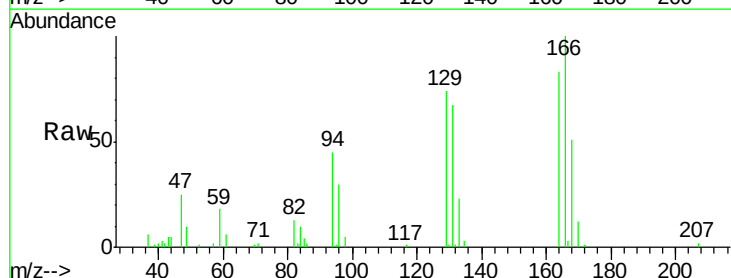
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

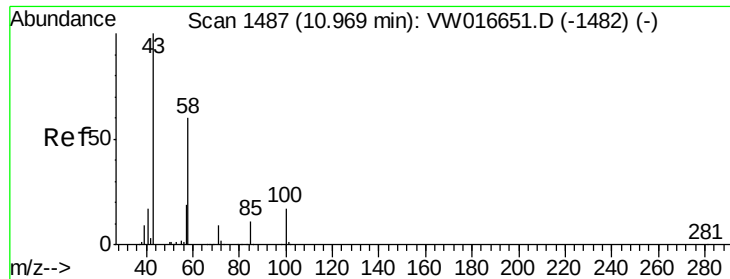
Tot Ion:	97	Resp:	6876
Ion	Ratio	Lower	Upper
97	100		
99	61.3	44.5	82.7
83	83.7	58.4	108.4
85	52.0	36.8	68.3



#46
 Tetrachloroethene
 Concen: 1.181 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.01 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion:	164	Resp:	9349
Ion	Ratio	Lower	Upper
164	100		
129	89.3	61.4	114.0
131	80.1	62.8	116.6
166	119.9	90.8	168.6

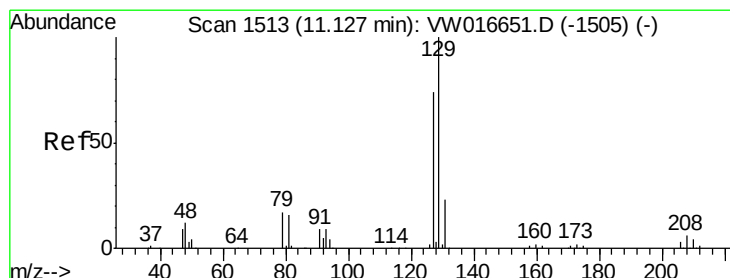
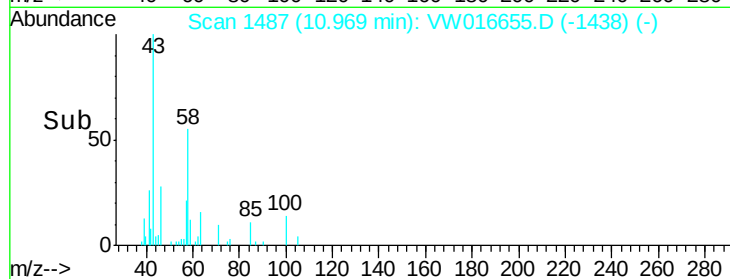
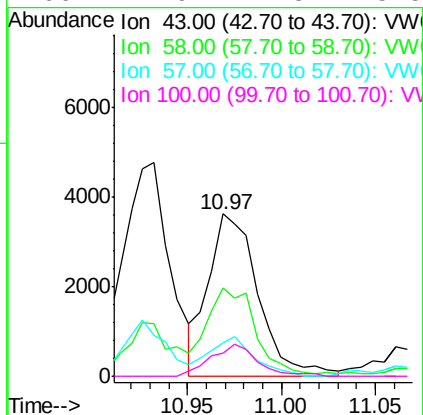
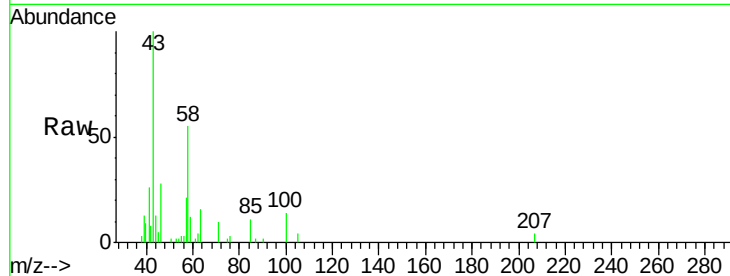




#48
2-Hexanone
Concen: 2.742 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

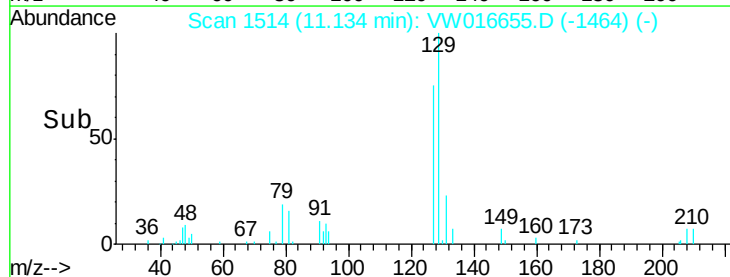
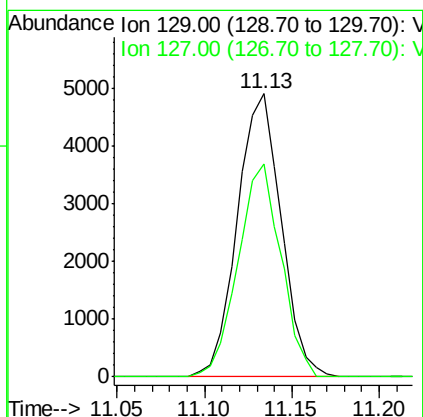
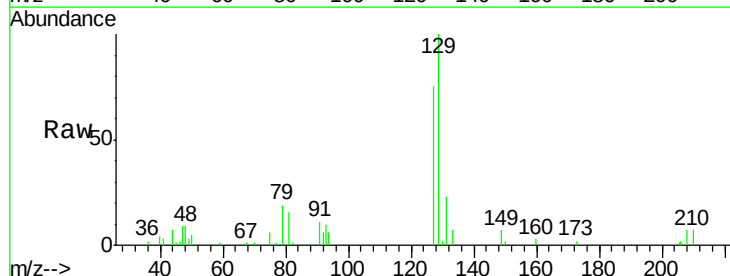
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

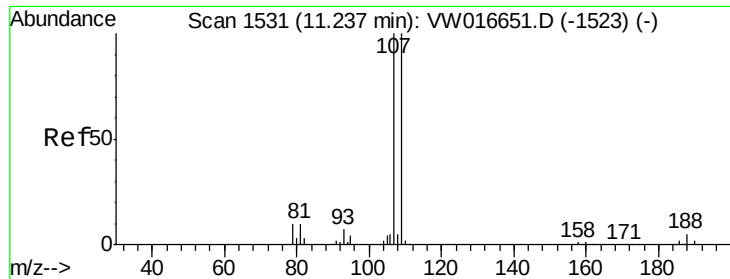
Tot Ion:	43	Resp:	6663
Ion	Ratio	Lower	Upper
43	100		
58	53.3	45.9	68.9
57	22.2	16.6	24.8
100	17.9	12.3	18.5



#49
Dibromochloromethane
Concen: 1.156 ug/L
RT: 11.13 min Scan# 1514
Delta R.T. 0.01 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion:	129	Resp:	8592
Ion	Ratio	Lower	Upper
129	100		
127	75.0	52.5	97.5

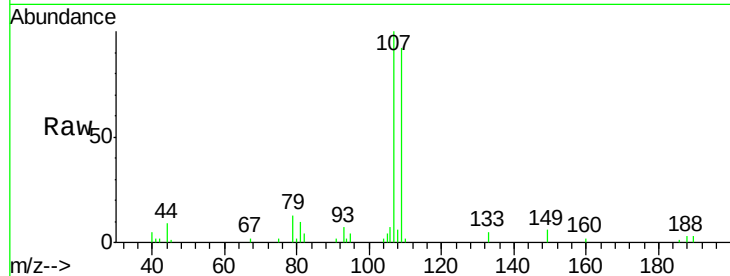




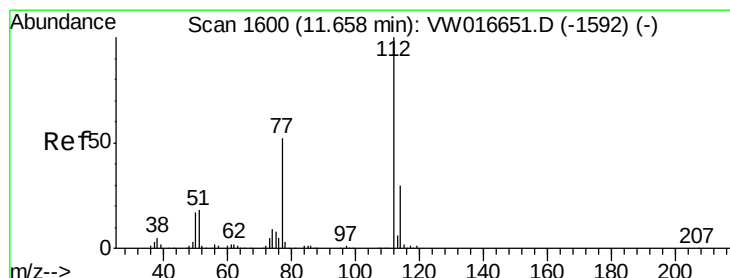
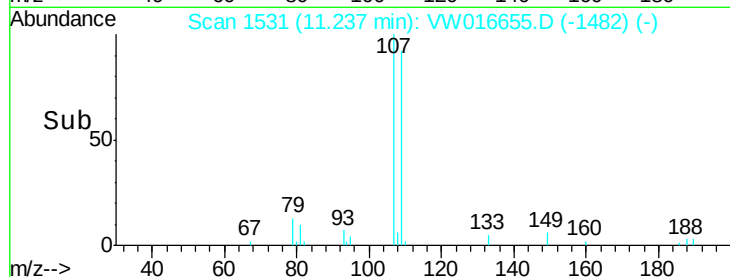
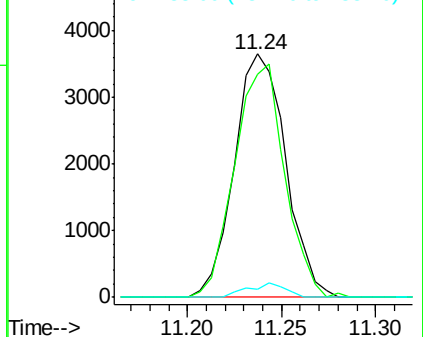
#50
1,2-Dibromoethane
Concen: 1.233 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

Tot Ion:107 Resp: 6916
Ion Ratio Lower Upper
107 100
109 91.9 66.2 123.0
188 3.1 3.3 4.9#

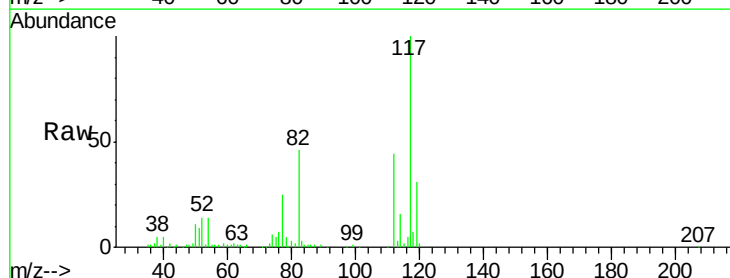


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

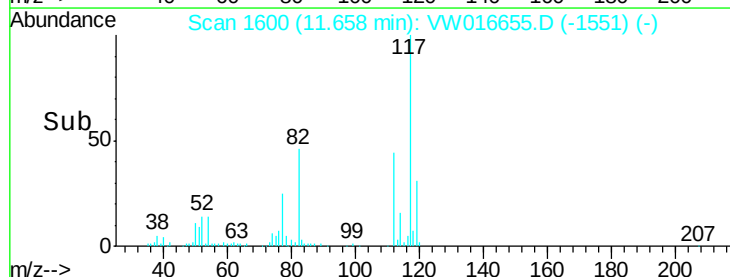
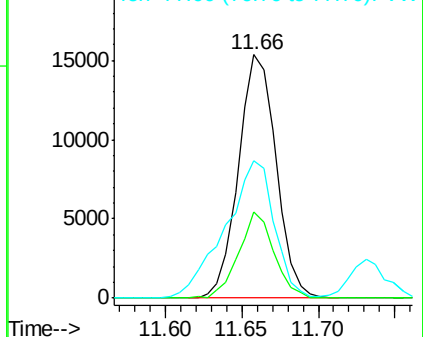


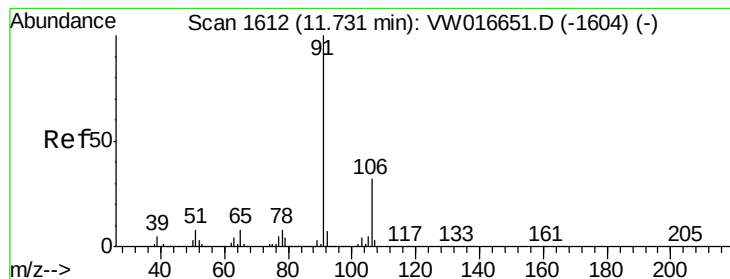
#51
Chlorobenzene
Concen: 1.153 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion:112 Resp: 26339
Ion Ratio Lower Upper
112 100
114 35.6 22.9 42.5
77 56.6 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: 1.128 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

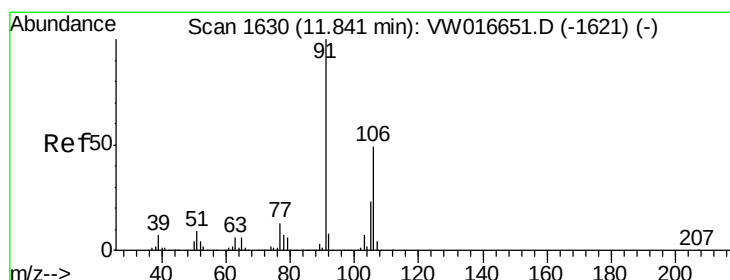
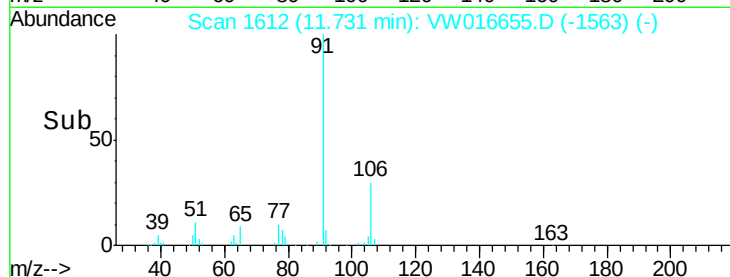
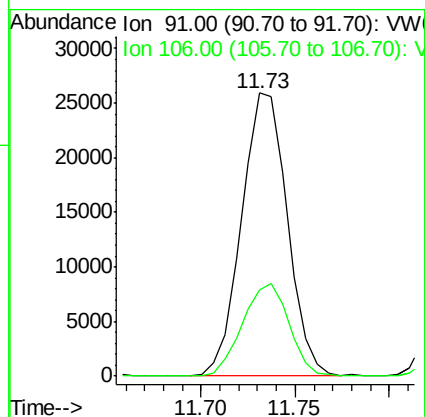
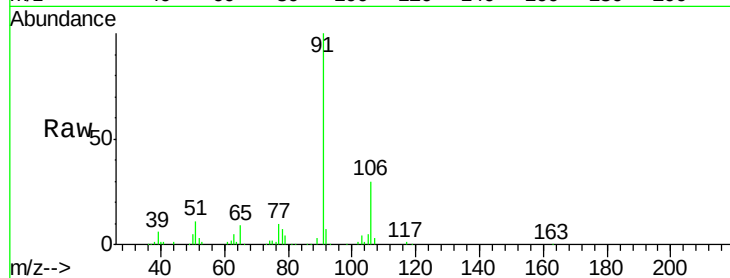
MDL-SOIL-07

Tot Ion: 91 Resp: 43773

Ion Ratio Lower Upper

91 100

106 30.4 22.0 41.0



#53

m,p-Xylene

Concen: 1.147 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016655.D

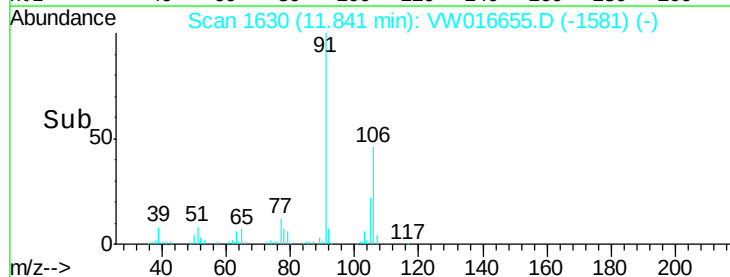
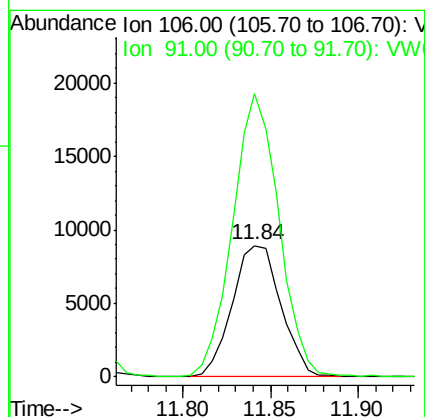
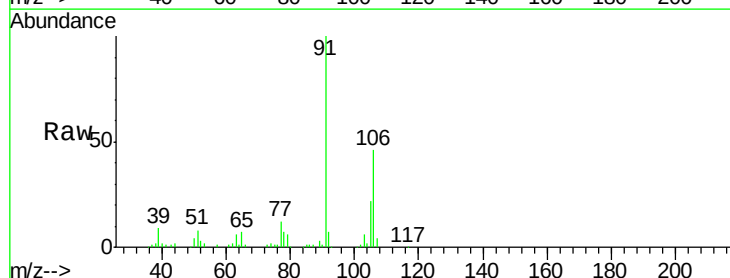
Acq: 25 Sep 2020 15:04

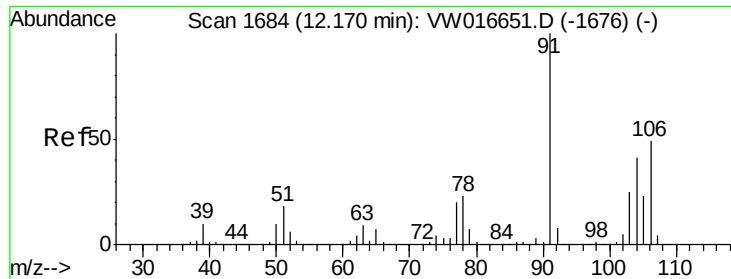
Tgt Ion: 106 Resp: 17339

Ion Ratio Lower Upper

106 100

91 215.1 136.2 252.9

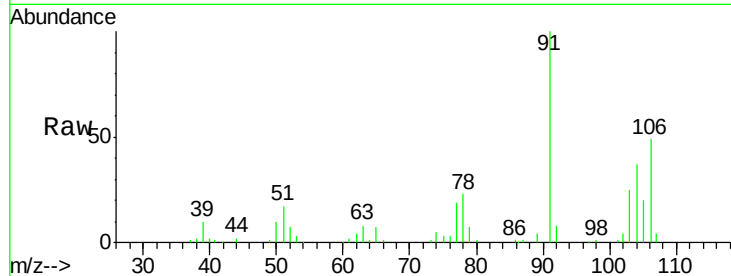




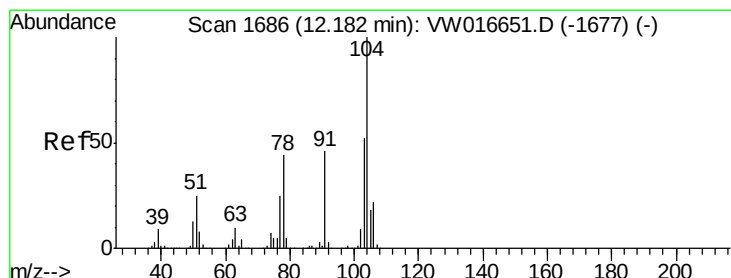
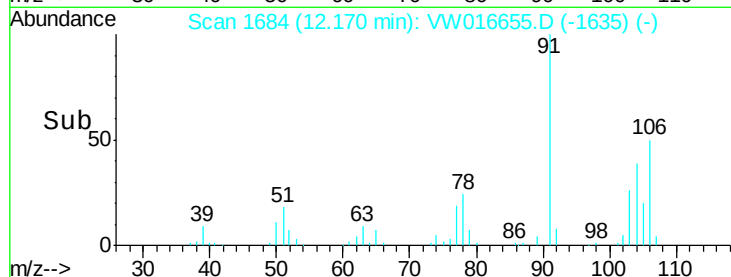
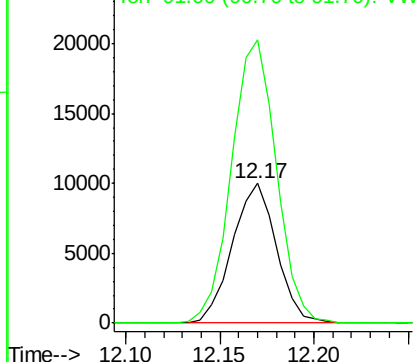
#54
o-Xylene
Concen: 1.133 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-07

Tot Ion:106 Resp: 16206
Ion Ratio Lower Upper
106 100
91 202.7 143.4 266.2

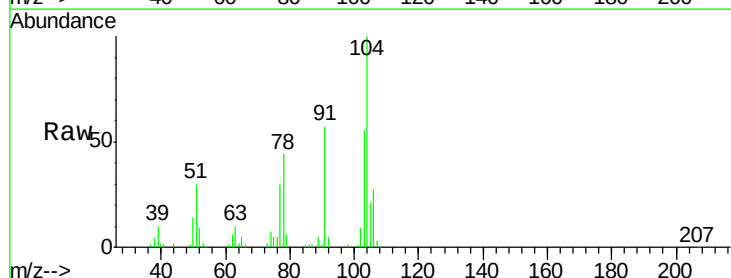


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VW

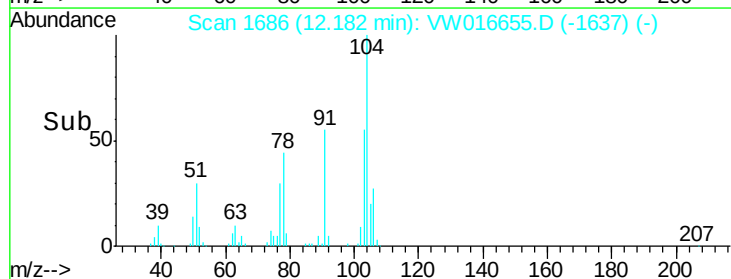
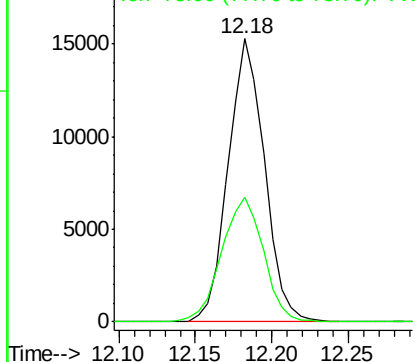


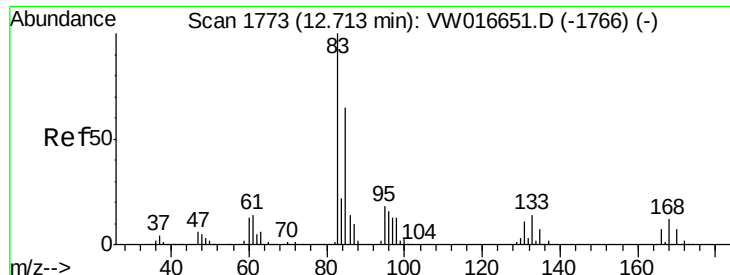
#55
Styrene
Concen: 1.057 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion:104 Resp: 25165
Ion Ratio Lower Upper
104 100
78 44.0 31.1 57.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VW





#57

1,1,2,2-Tetrachloroethane

Concen: 1.384 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-07

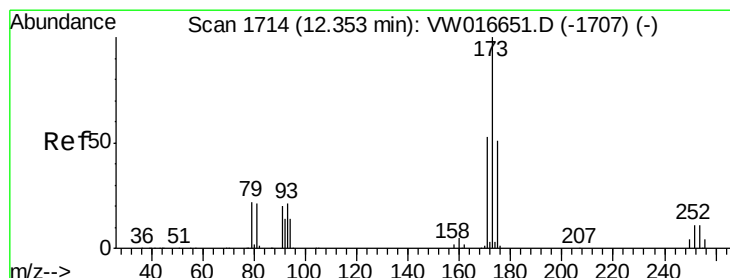
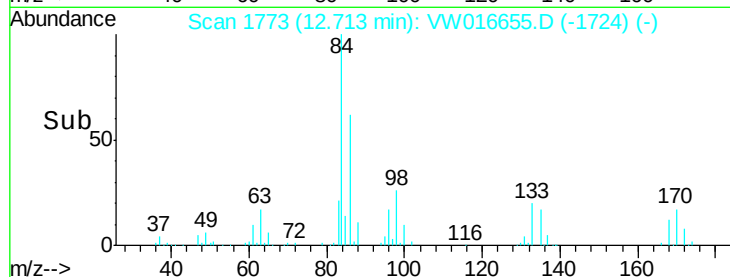
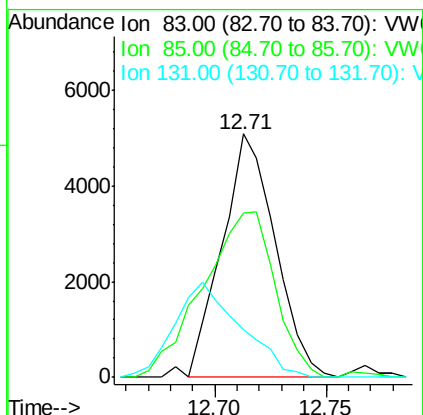
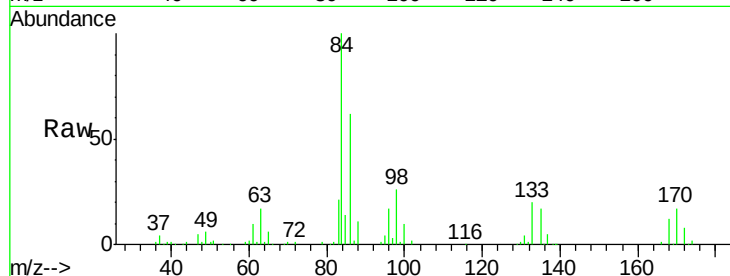
Tot Ion: 83 Resp: 8439

Ion Ratio Lower Upper

83 100

85 67.6 46.3 85.9

131 19.8 9.3 13.9#



#59

Bromoform

Concen: 1.085 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

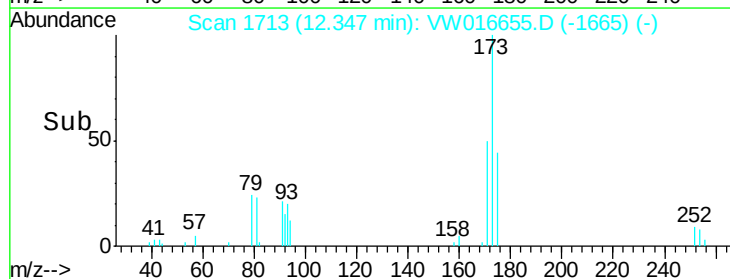
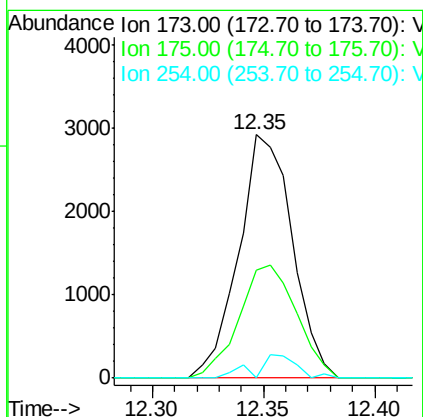
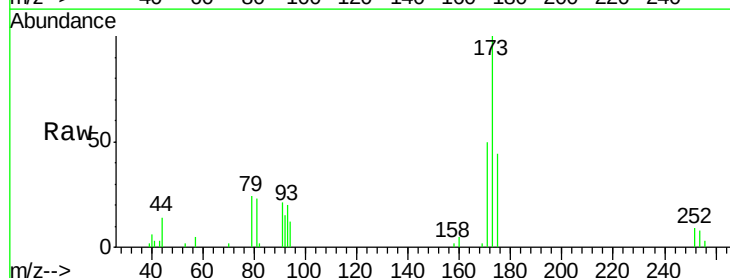
Tgt Ion: 173 Resp: 4900

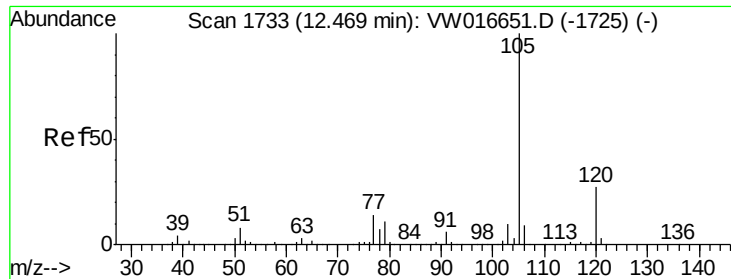
Ion Ratio Lower Upper

173 100

175 49.8 39.7 59.5

254 5.2 8.2 12.2#





#60

Isopropylbenzene

Concen: 1.086 ug/L

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampled :

MDL-SOIL-07

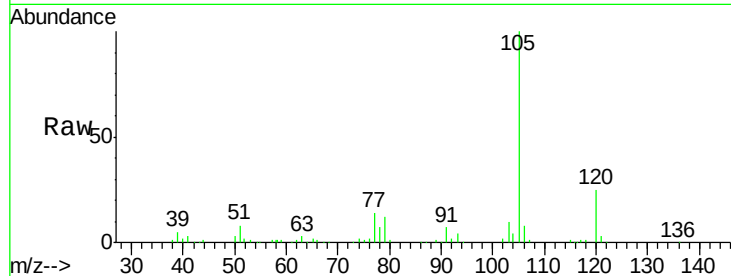
Tot Ion:105 Resp: 44347

Ion Ratio Lower Upper

105 100

120 26.3 21.8 32.8

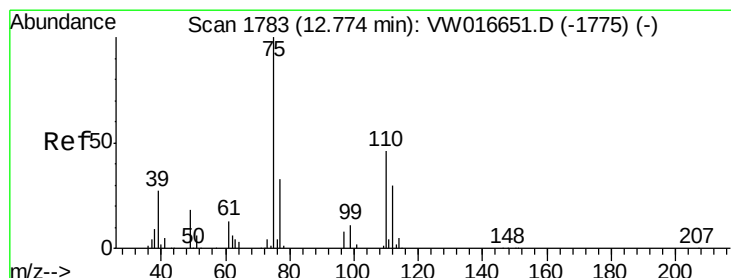
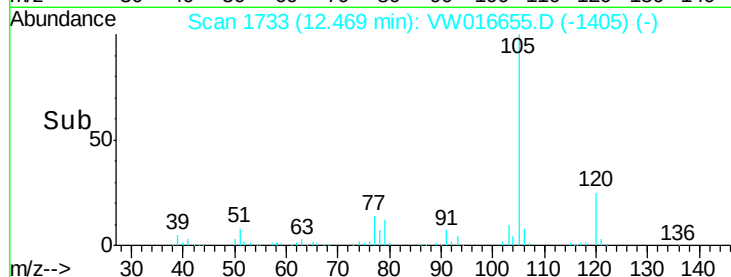
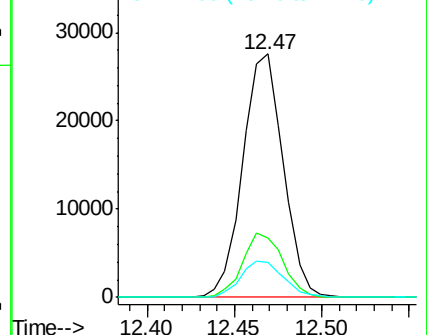
77 15.9 12.1 18.1



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: 1.320 ug/L

RT: 12.77 min Scan# 1783

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

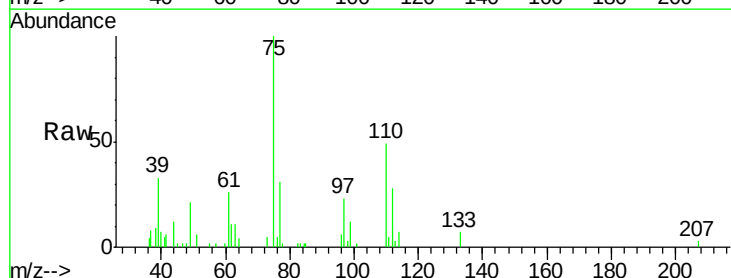
Tgt Ion: 75 Resp: 6083

Ion Ratio Lower Upper

75 100

77 34.4 25.8 38.8

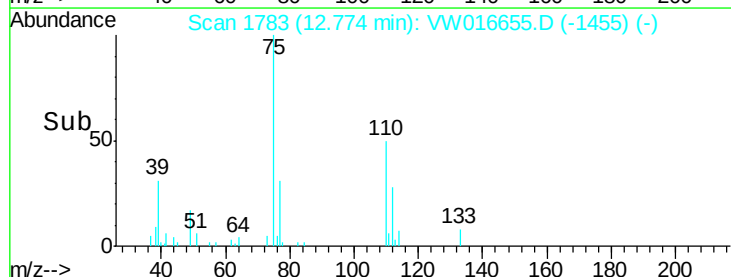
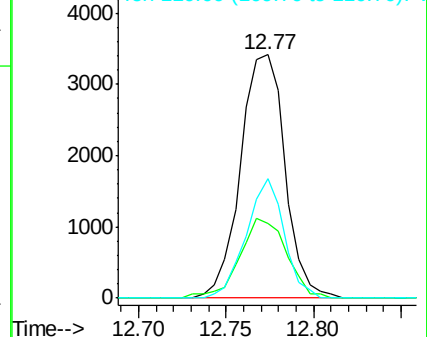
110 41.8 35.8 53.8

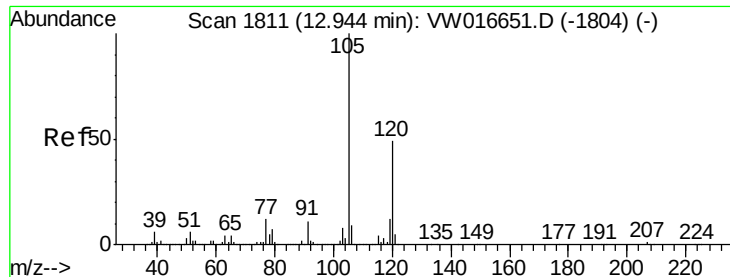


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

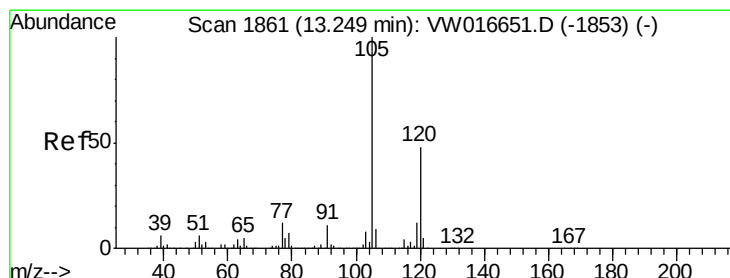
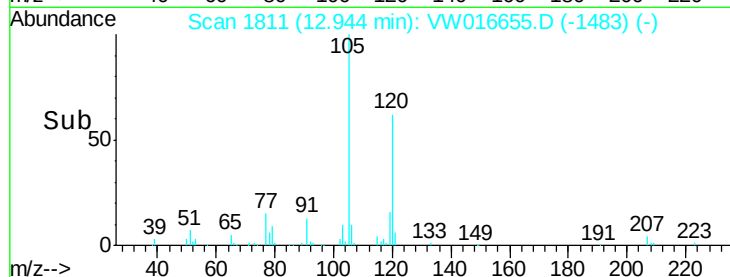
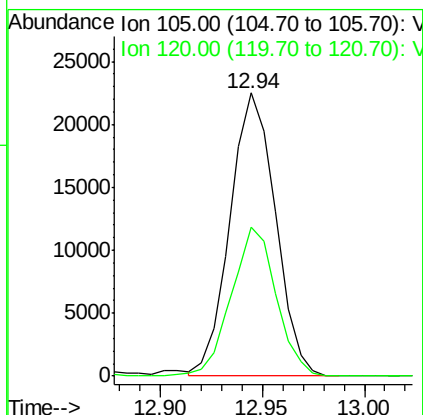
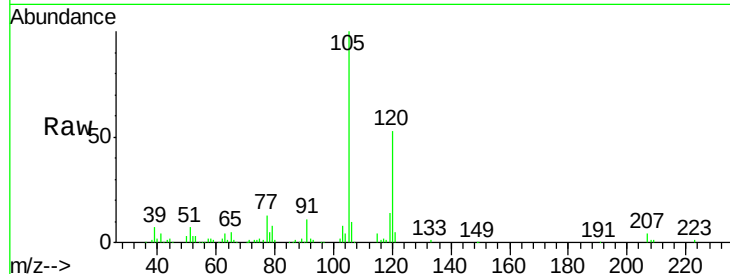




#62
 1,3,5-Trimethylbenzene
 Concen: 1.035 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

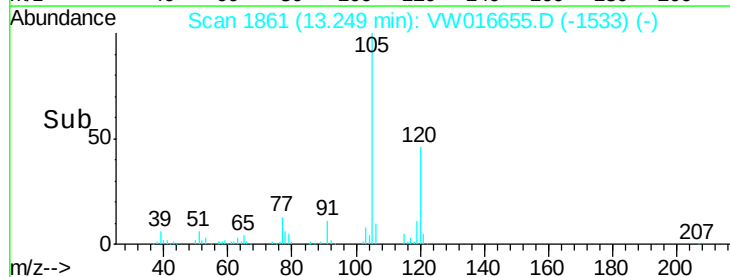
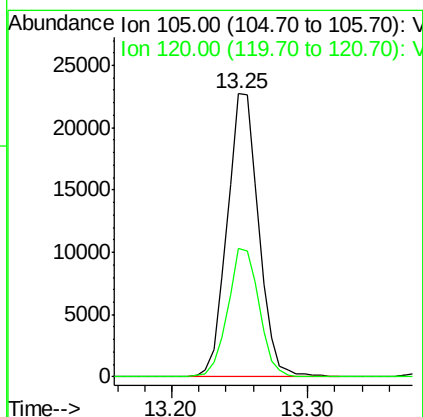
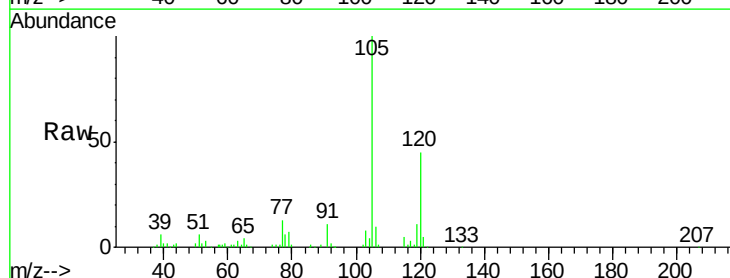
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

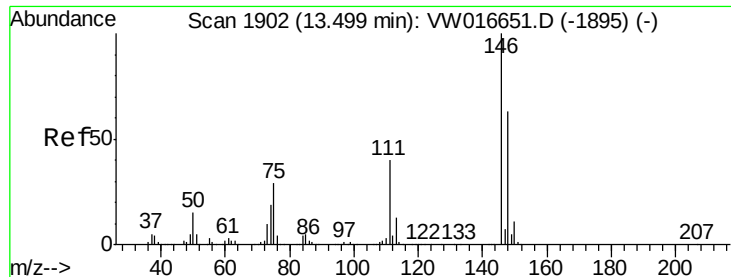
Tot Ion:105 Resp: 34801
 Ion Ratio Lower Upper
 105 100
 120 51.8 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 1.097 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion:105 Resp: 36629
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.4 54.6

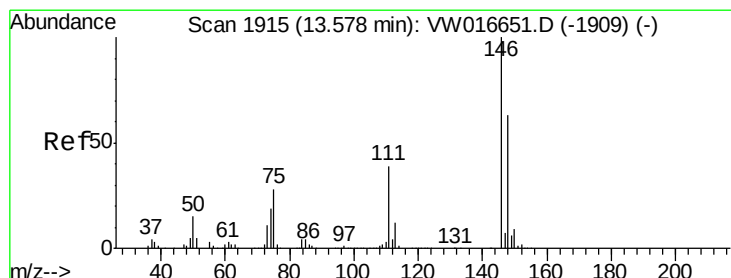
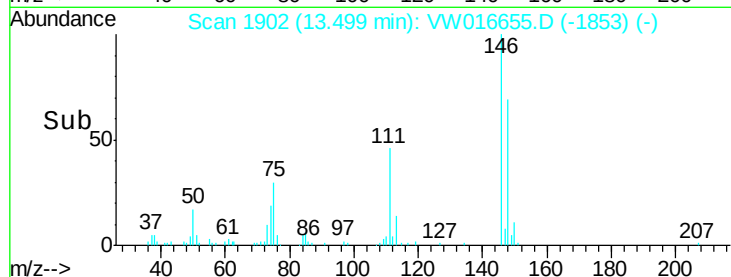
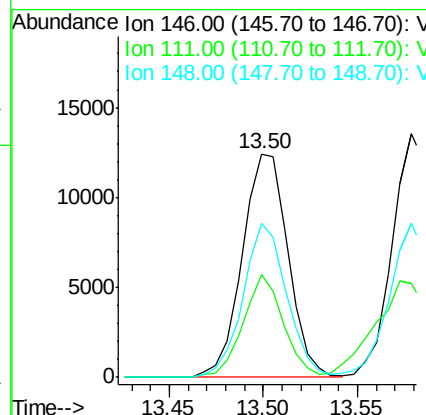
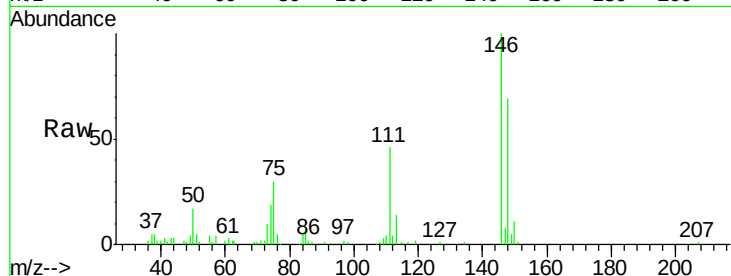




#64
 1,3-Dichlorobenzene
 Concen: 1.113 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

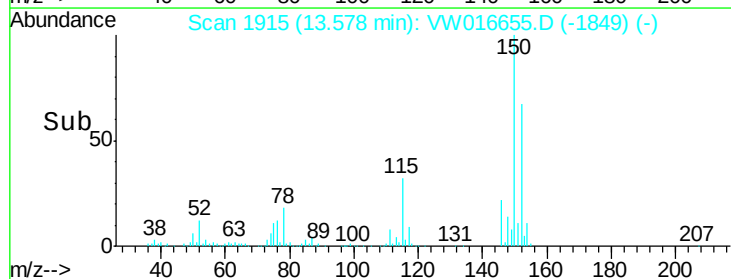
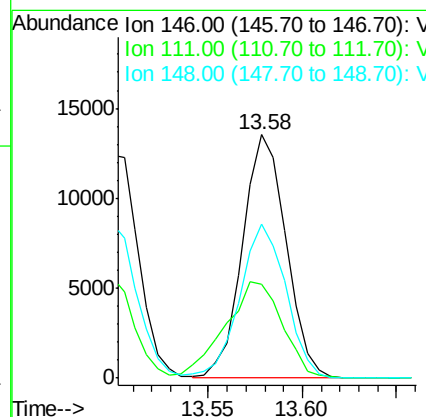
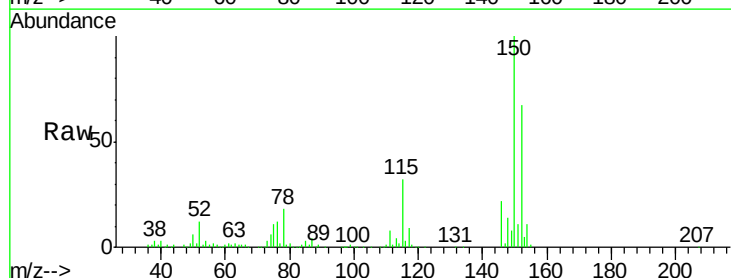
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

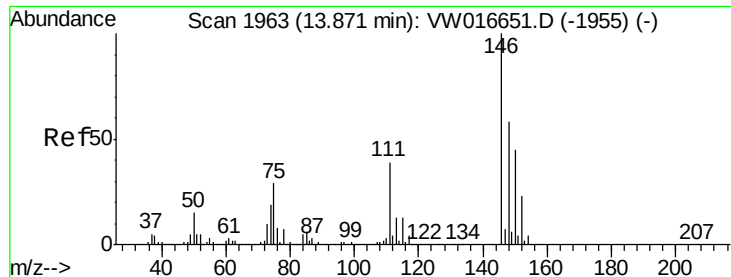
Tot Ion:146 Resp: 20869
 Ion Ratio Lower Upper
 146 100
 111 45.8 26.5 49.3
 148 68.9 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 1.182 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion:146 Resp: 21729
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.5 49.3
 148 63.2 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 1.193 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-07

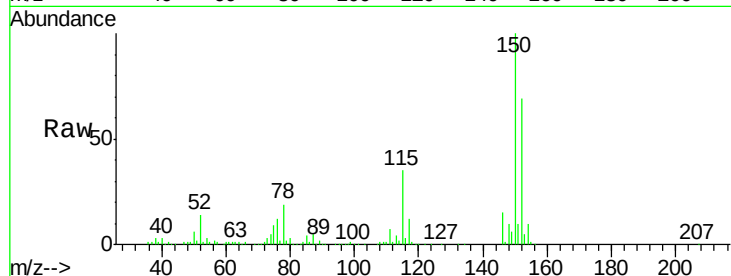
Tot Ion:146 Resp: 19777

Ion Ratio Lower Upper

146 100

111 44.7 32.4 48.6

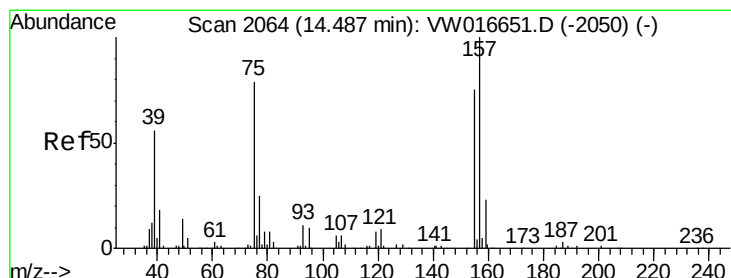
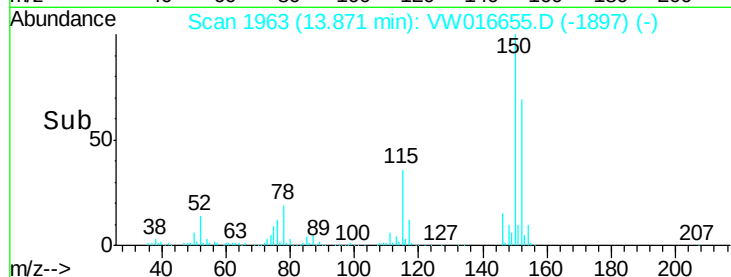
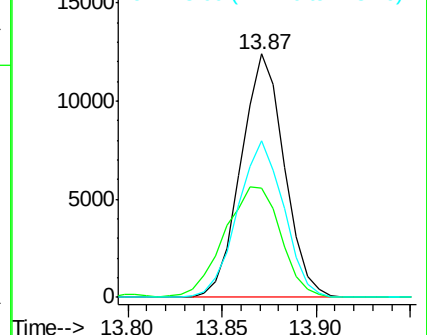
148 64.5 52.2 78.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#68

1,2-Dibromo-3-chloropropane

Concen: 1.221 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016655.D

Acq: 25 Sep 2020 15:04

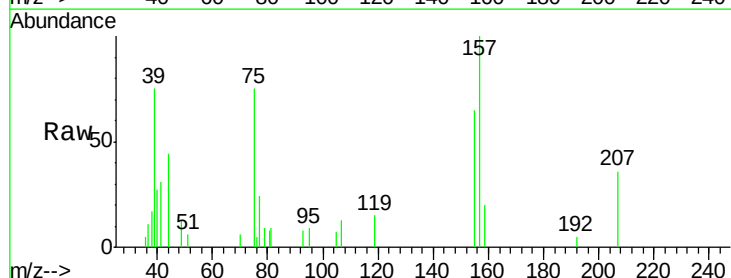
Tgt Ion: 75 Resp: 1323

Ion Ratio Lower Upper

75 100

155 86.2 76.6 115.0

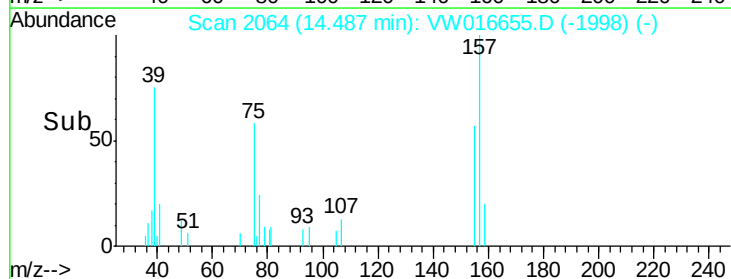
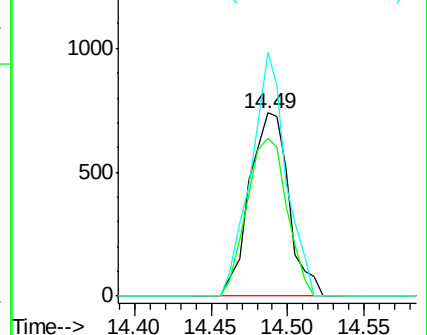
157 133.0 92.0 138.0

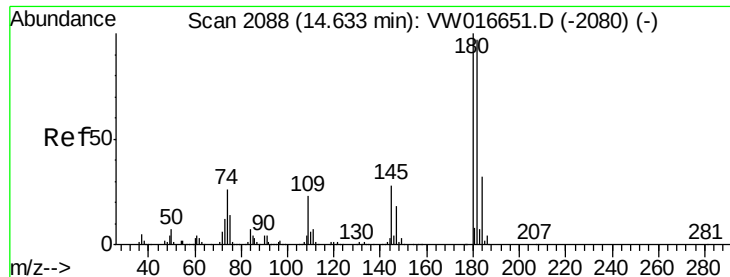


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

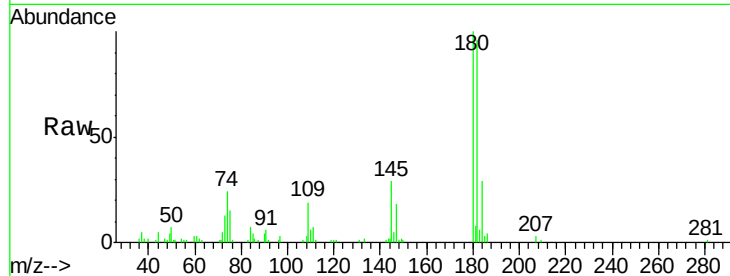




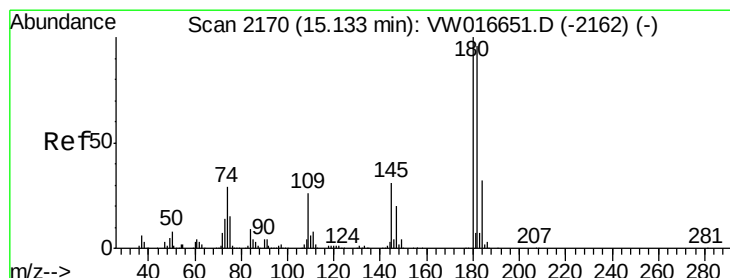
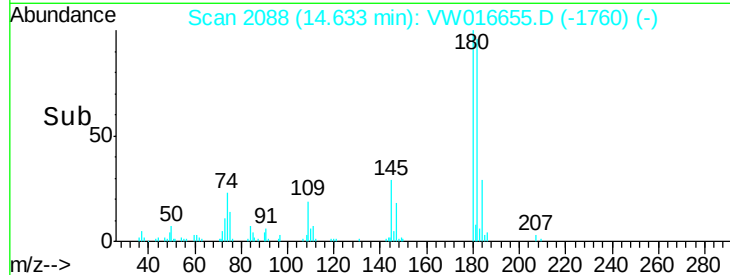
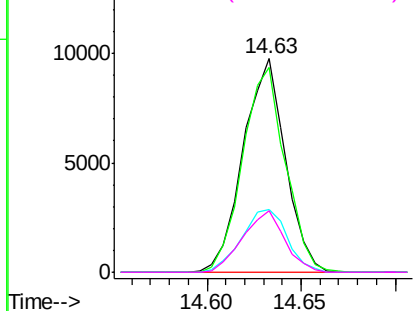
#69
 1,3,5-Trichlorobenzene
 Concen: 1.094 ug/L
 RT: 14.63 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-07

Tot Ion:180	Resp:	15133
Ion Ratio	Lower	Upper
180	100	
182	97.1	79.0 118.4
184	31.8	24.6 36.8
145	28.6	23.2 34.8

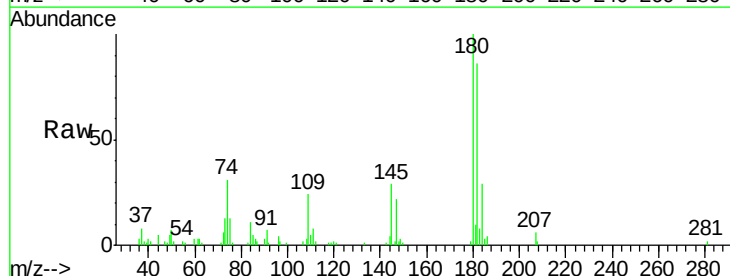


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

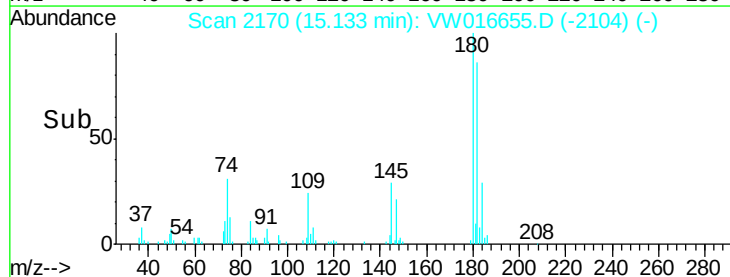
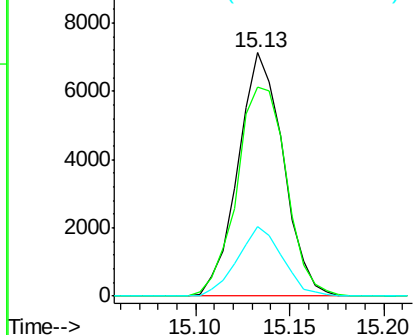


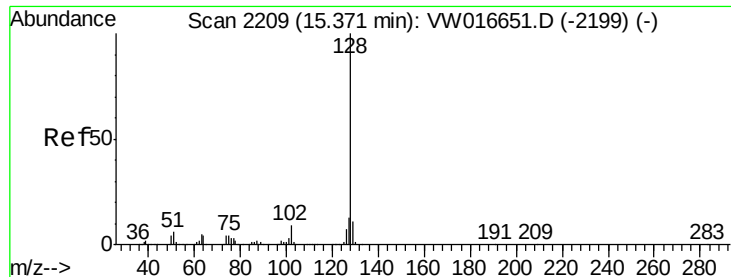
#70
 1,2,4-trichlorobenzene
 Concen: 1.062 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016655.D
 Acq: 25 Sep 2020 15:04

Tgt Ion:180	Resp:	11863
Ion Ratio	Lower	Upper
180	100	
182	94.5	76.1 114.1
145	28.5	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

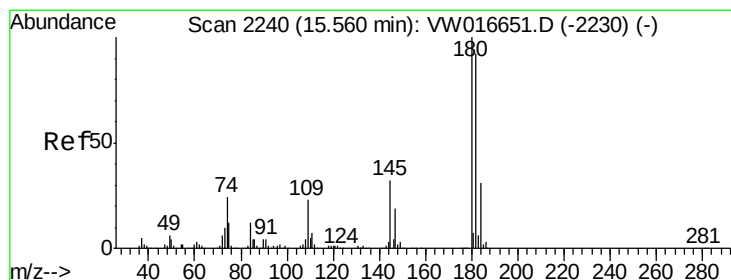
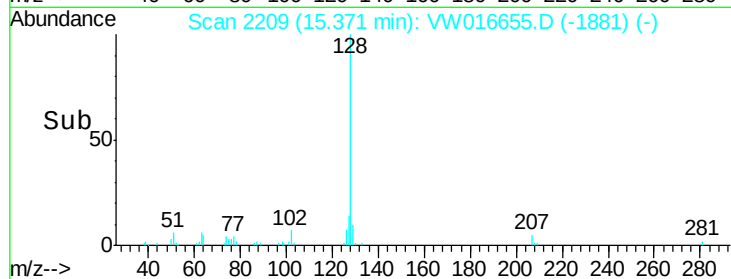
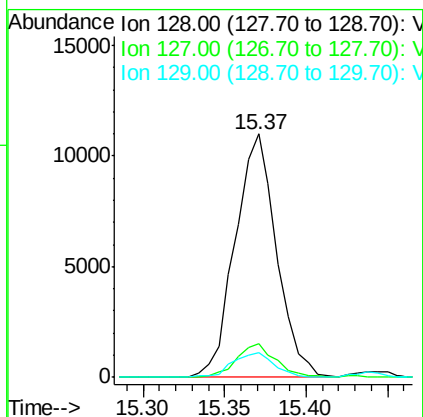
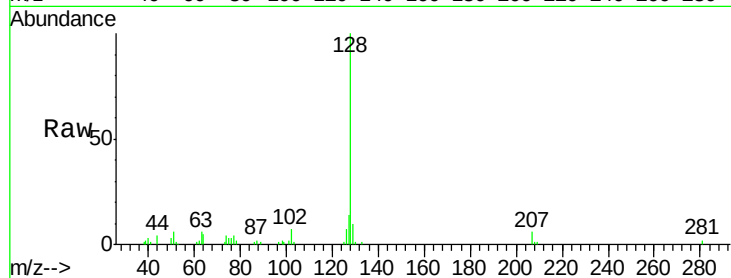




#71
Naphthalene
Concen: 1.036 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-07

Tot Ion:128 Resp: 19426
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 10.0 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 1.117 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016655.D
Acq: 25 Sep 2020 15:04

Tgt Ion:180 Resp: 10479
Ion Ratio Lower Upper
180 100
182 95.7 75.5 113.3
145 31.0 24.3 36.5

