

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092620\
 Data File : VW016654.D
 Acq On : 25 Sep 2020 14:40
 Operator : SY/VA
 Sample : MDL01
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

Quant Time: Sep 26 00:14:55 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	8.84	114	596399	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	524079	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	265976	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	145846	21.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.56%
7) Chloroethane-d5	2.90	69	119497	21.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	87.40%
11) 1,1-Dichloroethene-d2	4.03	63	234716	16.70	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	66.80%
21) 2-Butanone-d5	7.08	46	92987	61.72	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	123.44%
24) Chloroform-d	7.65	84	333147	23.71	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	94.84%
26) 1,2-Dichloroethane-d4	8.31	65	189601	26.42	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	105.68%
32) Benzene-d6	8.27	84	653483	24.41	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	97.64%
36) 1,2-Dichloropropane-d6	9.27	67	182955	24.85	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	99.40%
41) Toluene-d8	10.32	98	623248	23.87	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	95.48%
43) trans-1,3-Dichloropropene-	10.58	79	90040	25.22	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	100.88%
47) 2-Hexanone-d5	10.93	63	73091	63.09	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	126.18%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	166053	28.98	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	115.92%
66) 1,2-Dichlorobenzene-d4	13.85	152	237719	24.68	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	98.72%

Target Compounds

					Ovalue
3) Chloromethane	2.22	50	6671	1.171 ug/L	92
5) Vinyl chloride	2.37	62	10175	1.246 ug/L #	61
6) Bromomethane	2.80	94	6834	1.089 ug/L	84
8) Chloroethane	2.93	64	2854	0.588 ug/L	98
9) Trichlorofluoromethane	3.26	101	7225	0.932 ug/L	100
12) 1,1-Dichloroethene	4.05	96	10980	1.427 ug/L #	1
13) Acetone	4.14	43	4274	4.205 ug/L	98
14) Carbon disulfide	4.39	76	24866	1.088 ug/L	99
16) Methylene chloride	4.93	84	28820	3.297 ug/L	96
17) trans-1,2-Dichloroethene	5.44	96	9349	1.171 ug/L	95
18) Methyl tert-butyl Ether	5.43	73	12713	1.297 ug/L #	84
19) 1,1-Dichloroethane	6.23	63	14502	1.147 ug/L	97
20) cis-1,2-Dichloroethene	7.17	96	9444	1.138 ug/L	89
23) Bromochloromethane	7.52	128	4547	1.166 ug/L	96
25) Chloroform	7.68	83	17869	1.292 ug/L	96
27) 1,2-Dichloroethane	8.41	62	10942	1.274 ug/L	98
29) Cyclohexane	7.96	56	13257	1.133 ug/L	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

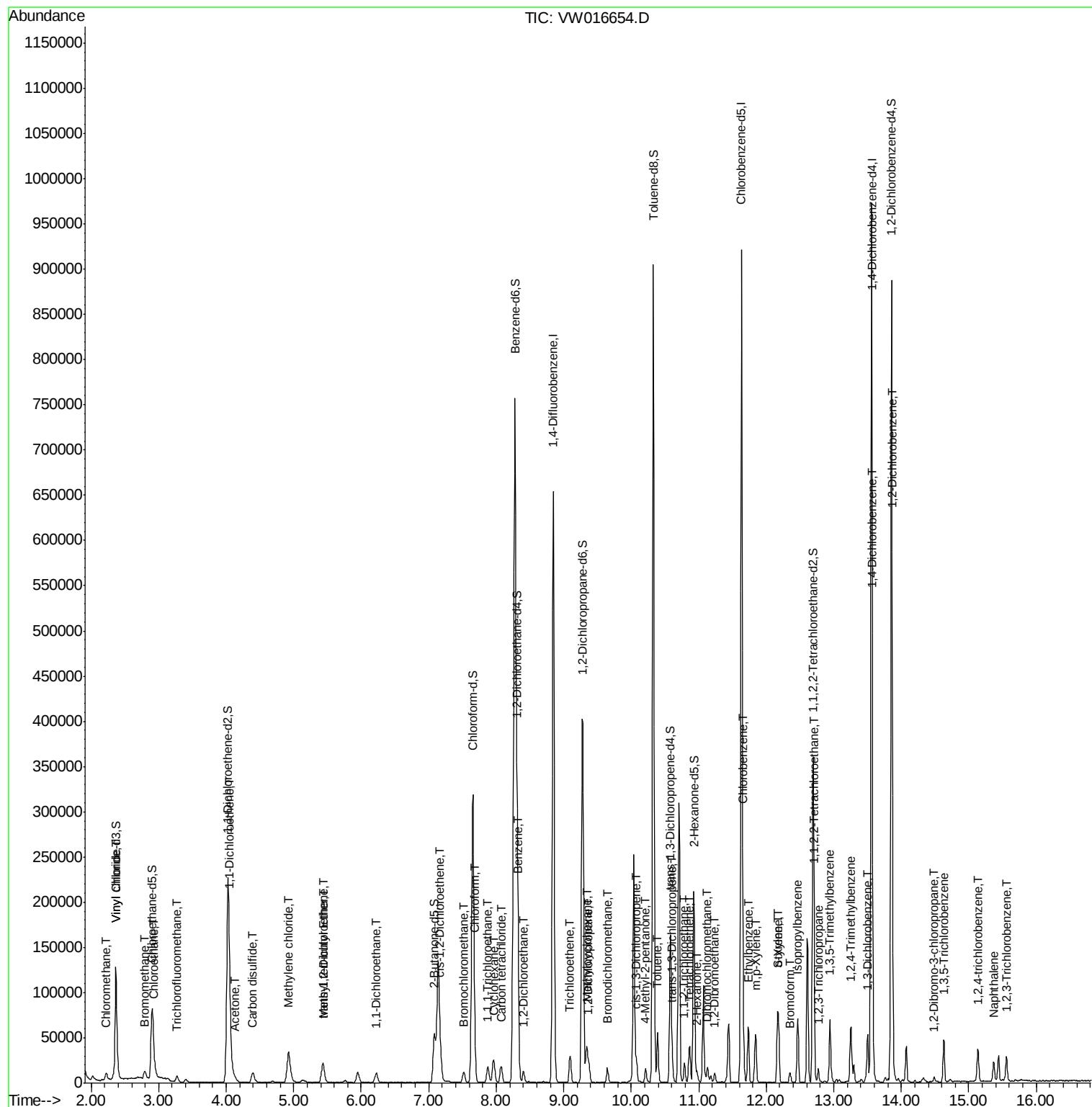
30) 1,1,1-Trichloroethane	7.87	97	14325	1.147	ug/L	97
31) Carbon tetrachloride	8.07	117	13933	1.146	ug/L	100
33) Benzene	8.33	78	34652	1.194	ug/L	100
34) Trichloroethene	9.09	95	9673	1.162	ug/L	93
35) Methylcyclohexane	9.34	83	16419	1.180	ug/L	99
37) 1,2-Dichloropropane	9.37	63	7774	1.174	ug/L #	96
38) Bromodichloromethane	9.65	83	10863	1.107	ug/L	92
39) cis-1,3-Dichloropropene	10.07	75	12137	1.074	ug/L	92
40) 4-Methyl-2-pentanone	10.21	43	10312	2.780	ug/L	99
42) Toluene	10.39	91	40636	1.242	ug/L	97
44) trans-1,3-Dichloropropene	10.61	75	15075	1.555	ug/L	90
45) 1,1,2-Trichloroethane	10.79	97	6911	1.285	ug/L	94
46) Tetrachloroethene	10.87	164	8982	1.196	ug/L	94
48) 2-Hexanone	10.97	43	6343	2.750	ug/L	96
49) Dibromochloromethane	11.13	129	8037	1.139	ug/L	88
50) 1,2-Dibromoethane	11.24	107	6943	1.304	ug/L #	95
51) Chlorobenzene	11.66	112	25962	1.197	ug/L	96
52) Ethylbenzene	11.73	91	43241	1.174	ug/L	97
53) m,p-Xylene	11.84	106	16745	1.167	ug/L	95
54) o-Xylene	12.17	106	15152	1.116	ug/L	93
55) Styrene	12.18	104	24797	1.097	ug/L	97
57) 1,1,2,2-Tetrachloroethane	12.71	83	7869	1.359	ug/L #	91
59) Bromoform	12.35	173	4486	1.045	ug/L #	92
60) Isopropylbenzene	12.46	105	42907	1.105	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	5836	1.331	ug/L	95
62) 1,3,5-Trimethylbenzene	12.94	105	35980	1.126	ug/L	99
63) 1,2,4-Trimethylbenzene	13.26	105	36595	1.152	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	20732	1.163	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	21345	1.221	ug/L	98
67) 1,2-Dichlorobenzene	13.87	146	19433	1.233	ug/L	94
68) 1,2-Dibromo-3-chloropropan	14.49	75	1305	1.267	ug/L #	80
69) 1,3,5-Trichlorobenzene	14.63	180	15202	1.156	ug/L	95
70) 1,2,4-trichlorobenzene	15.13	180	11866	1.117	ug/L	97
71) Naphthalene	15.36	128	18724	1.050	ug/L	100
72) 1,2,3-Trichlorobenzene	15.55	180	10212	1.145	ug/L	97

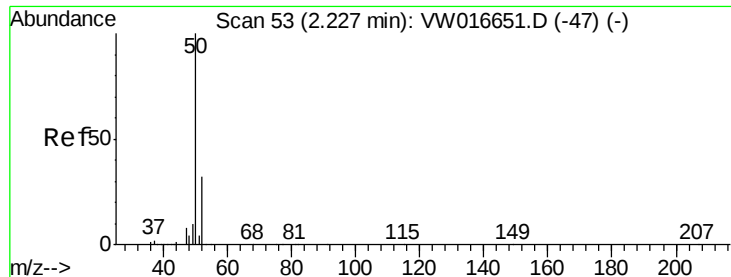
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#3

Chloromethane

Concen: 1.171 ug/L

RT: 2.22 min Scan# 52

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

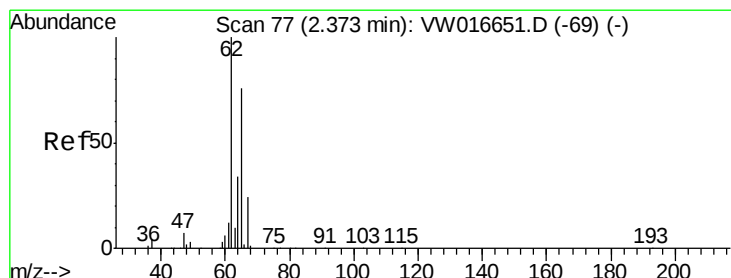
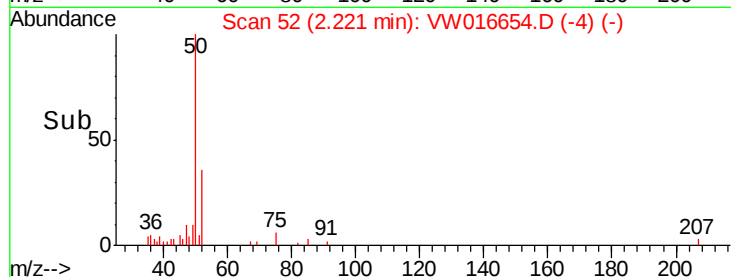
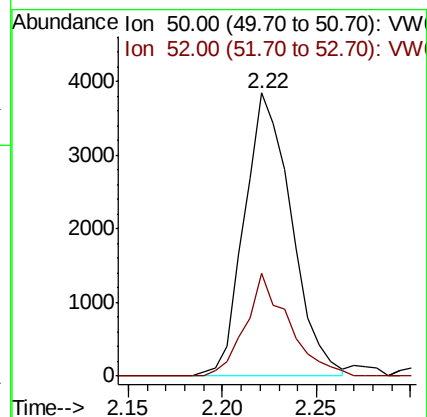
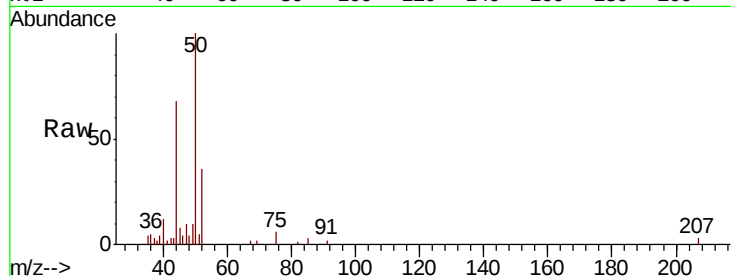
MDL-SOIL-06

Tot Ion: 50 Resp: 6671

Ion Ratio Lower Upper

50 100

52 36.3 22.1 41.1



#5

Vinyl chloride

Concen: 1.246 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016654.D

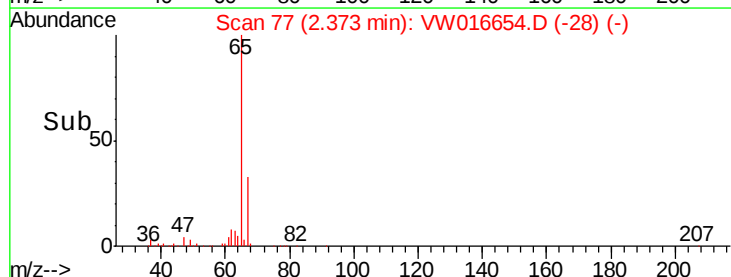
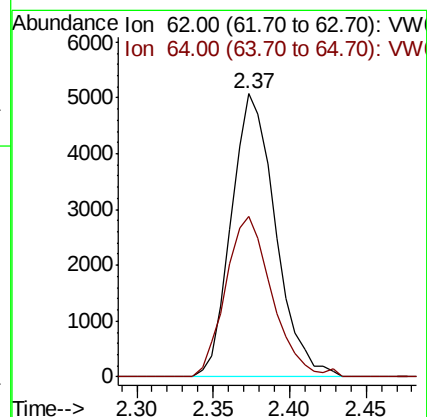
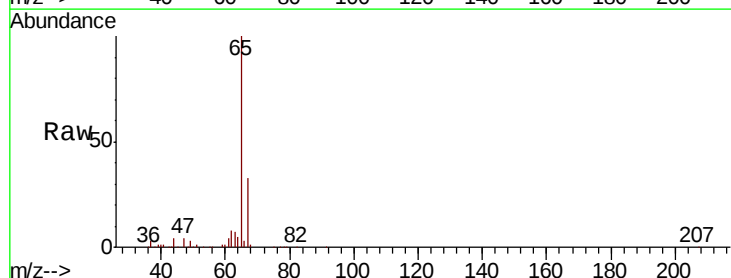
Acq: 25 Sep 2020 14:40

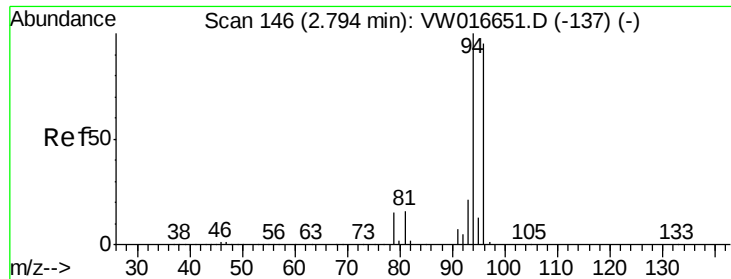
Tgt Ion: 62 Resp: 10175

Ion Ratio Lower Upper

62 100

64 56.7 24.1 44.7#





#6

Bromomethane

Concen: 1.089 ug/L

RT: 2.80 min Scan# 147

Delta R.T. 0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

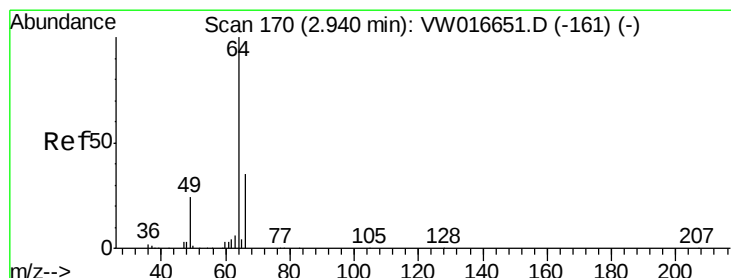
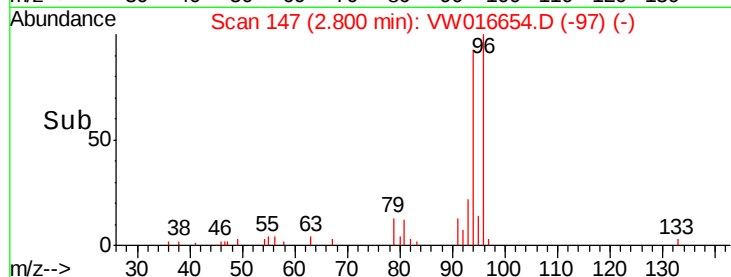
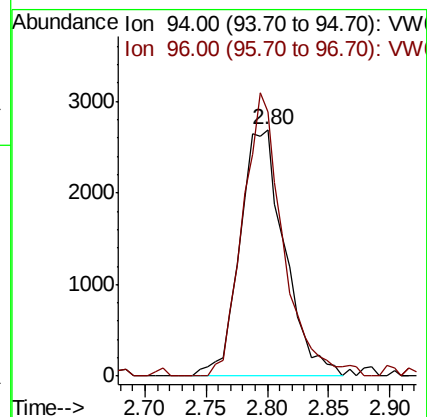
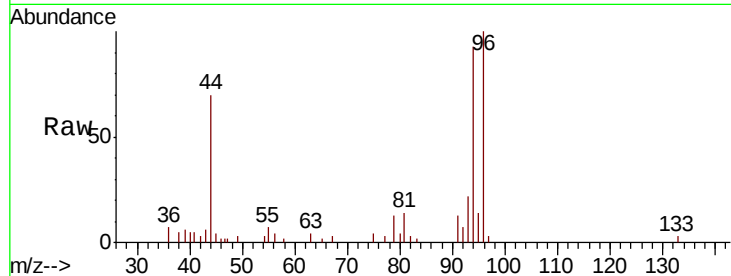
MDL-SOIL-06

Tot Ion: 94 Resp: 6834

Ion Ratio Lower Upper

94 100

96 107.1 64.2 119.2



#8

Chloroethane

Concen: 0.588 ug/L

RT: 2.93 min Scan# 169

Delta R.T. -0.01 min

Lab File: VW016654.D

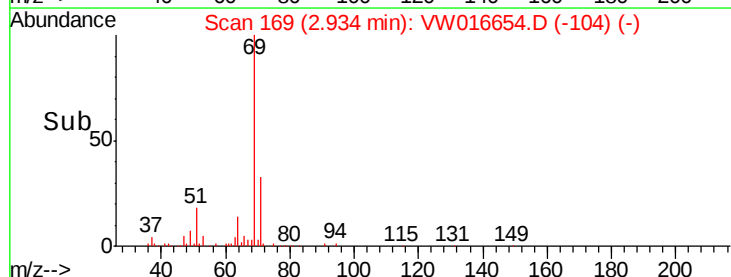
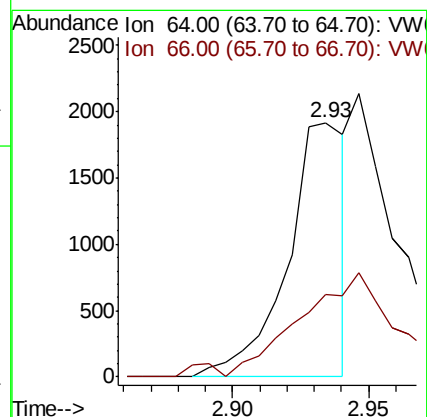
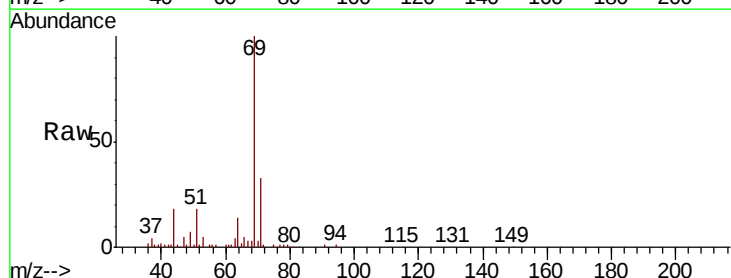
Acq: 25 Sep 2020 14:40

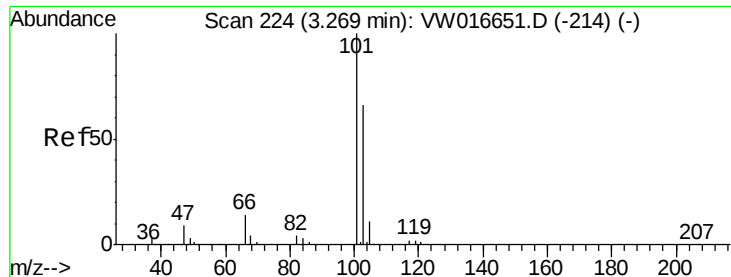
Tgt Ion: 64 Resp: 2854

Ion Ratio Lower Upper

64 100

66 32.3 23.5 43.7





#9

Trichlorofluoromethane

Concen: 0.932 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

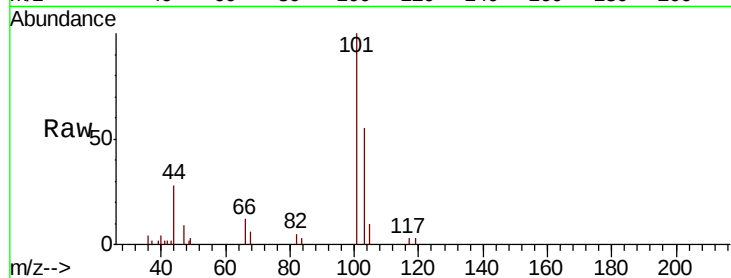
MDL-SOIL-06

Tot Ion:101 Resp: 7225

Ion Ratio Lower Upper

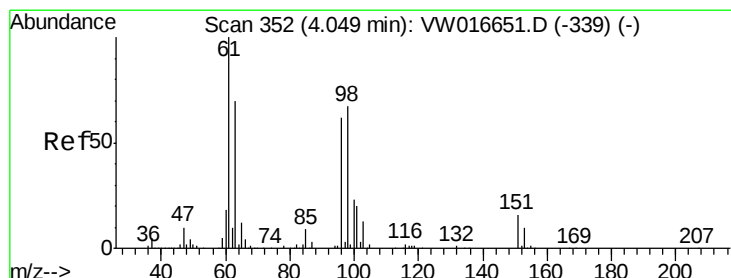
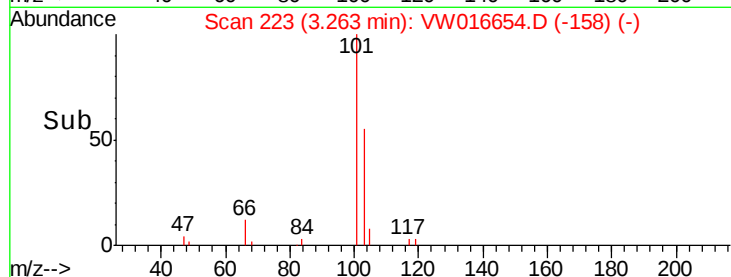
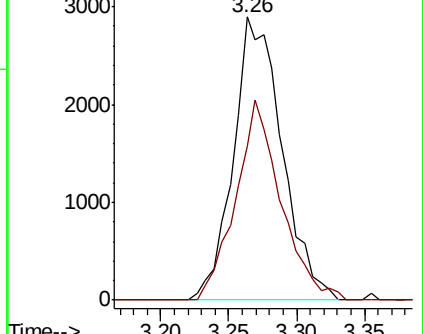
101 100

103 64.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1-Dichloroethene

Concen: 1.427 ug/L

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

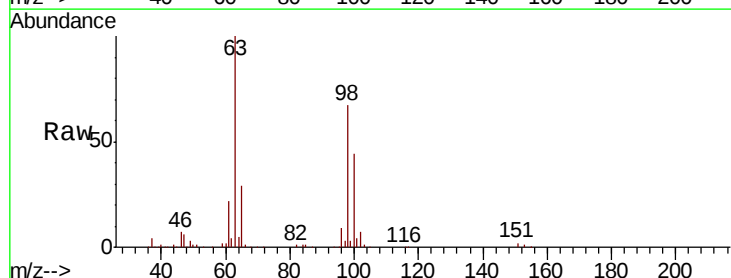
Tgt Ion: 96 Resp: 10980

Ion Ratio Lower Upper

96 100

61 262.6 112.1 208.3#

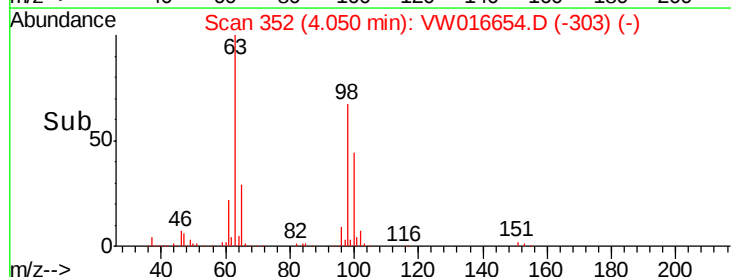
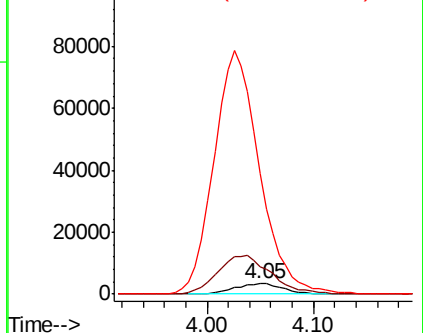
63 1169.3 74.2 137.8#

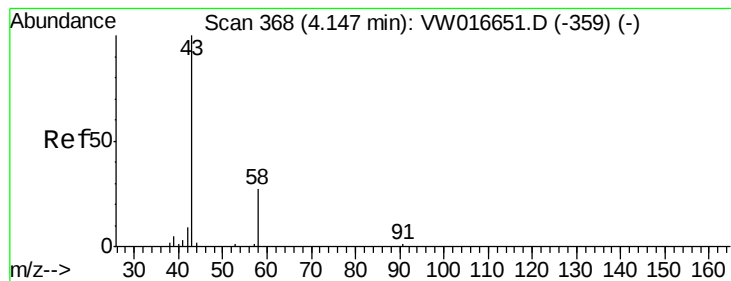


Abundance Ion 96.00 (95.70 to 96.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 63.00 (62.70 to 63.70): VW





#13

Acetone

Concen: 4.205 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.01 min

Lab File: VW016654.D

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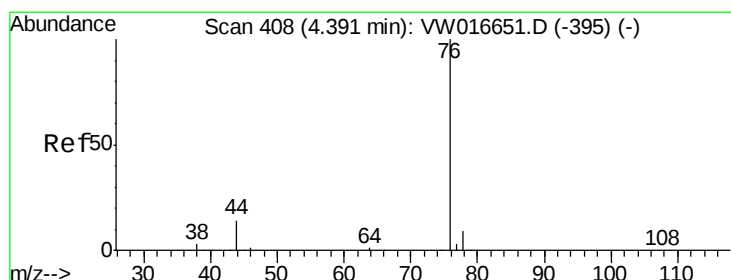
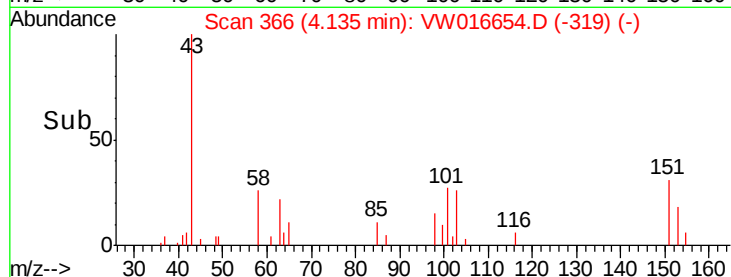
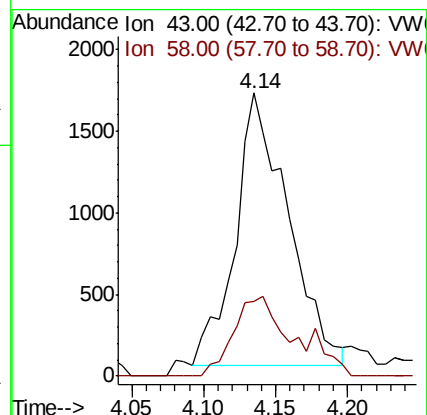
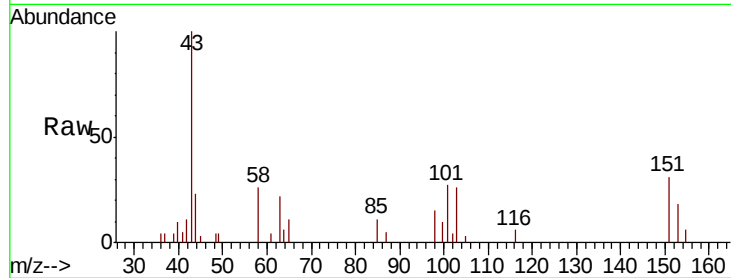
MDL-SOIL-06

Tot Ion: 43 Resp: 4274

Ion Ratio Lower Upper

43 100

58 28.4 0.0 59.4



#14

Carbon disulfide

Concen: 1.088 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.00 min

Lab File: VW016654.D

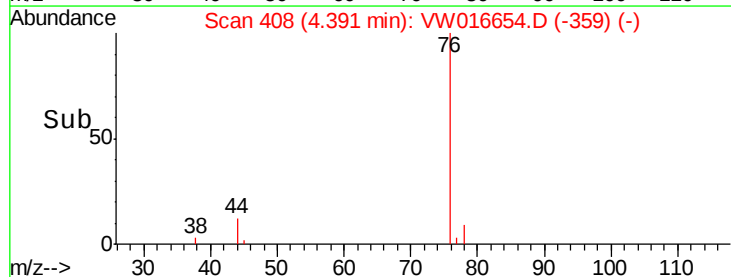
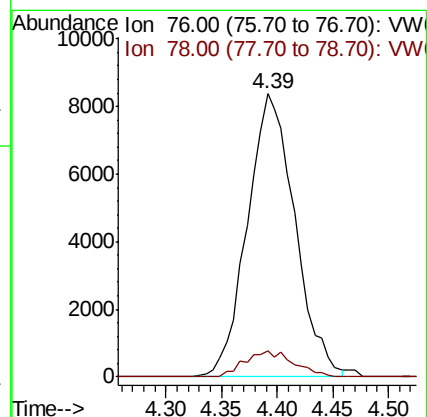
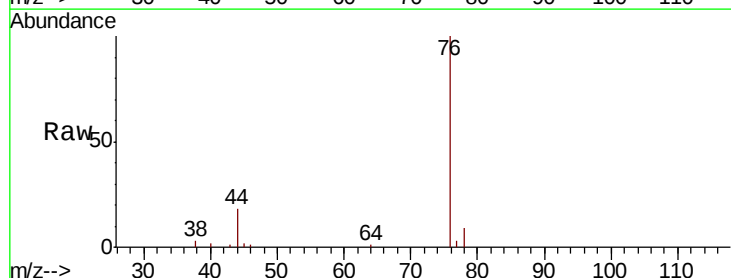
Acq: 25 Sep 2020 14:40

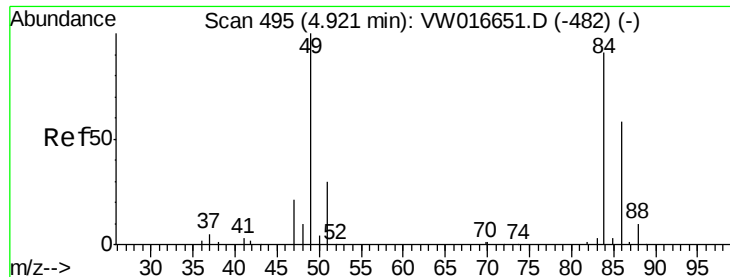
Tgt Ion: 76 Resp: 24866

Ion Ratio Lower Upper

76 100

78 9.4 7.3 10.9

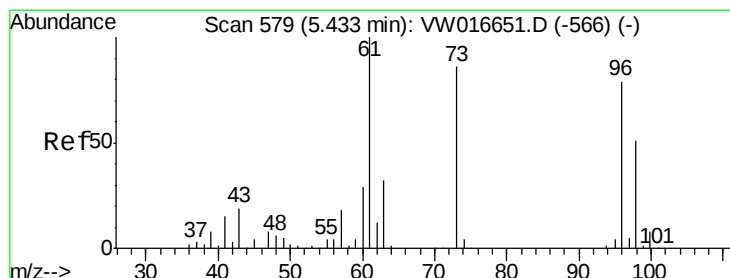
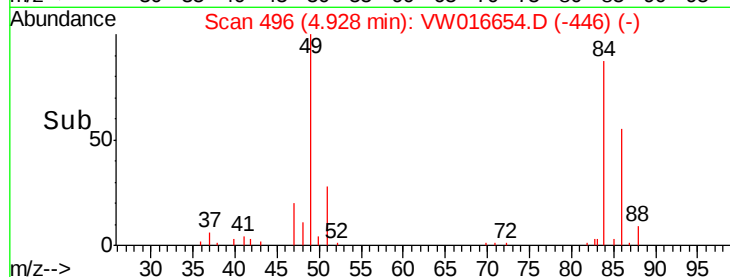
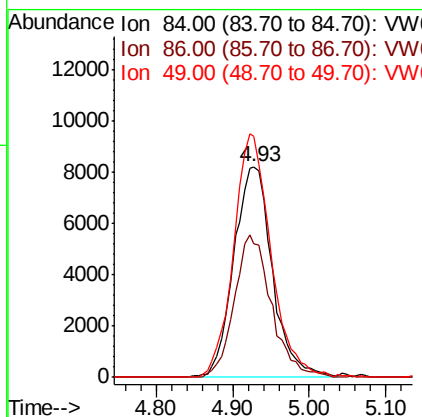
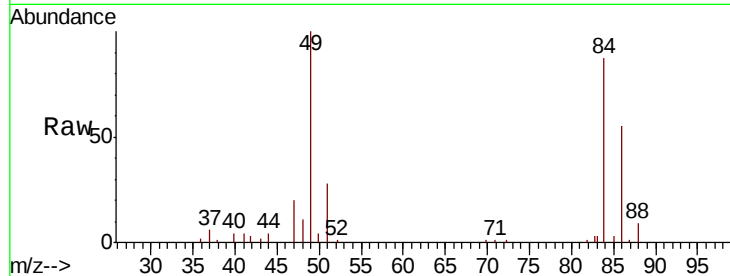




#16
Methvlene chloride
Concen: 3.297 ug/L
RT: 4.93 min Scan# 496
Delta R.T. 0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

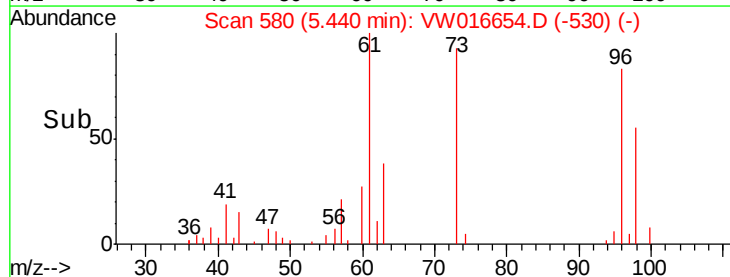
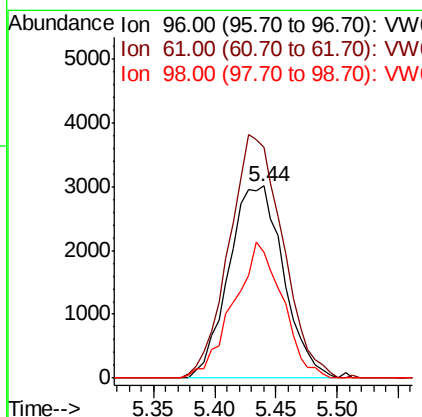
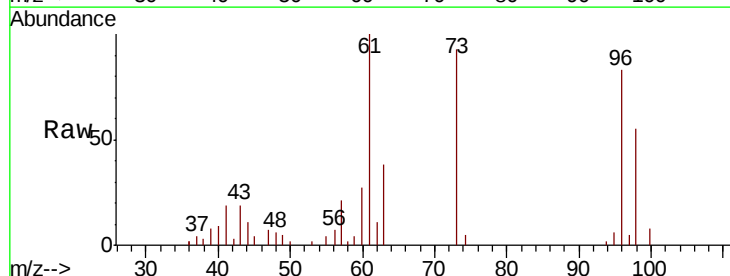
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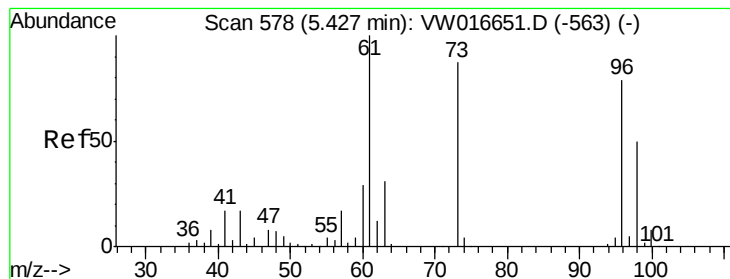
Tot Ion: 84 Resp: 28820
Ion Ratio Lower Upper
84 100
86 63.2 46.2 85.8
49 114.4 82.8 153.8



#17
trans-1,2-Dichloroethene
Concen: 1.171 ug/L
RT: 5.44 min Scan# 580
Delta R.T. 0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion: 96 Resp: 9349
Ion Ratio Lower Upper
96 100
61 120.0 89.7 166.7
98 65.6 46.4 86.2





#18

Methvl tert-butvl Ether

Concen: 1.297 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

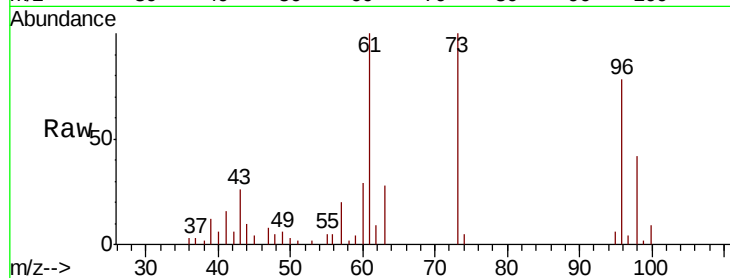
Tot Ion: 73 Resp: 12713

Ion Ratio Lower Upper

73 100

43 15.5 17.0 25.6#

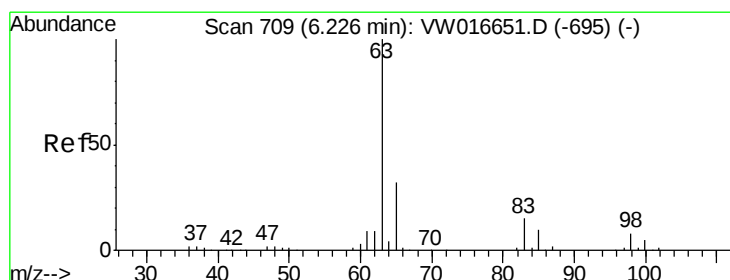
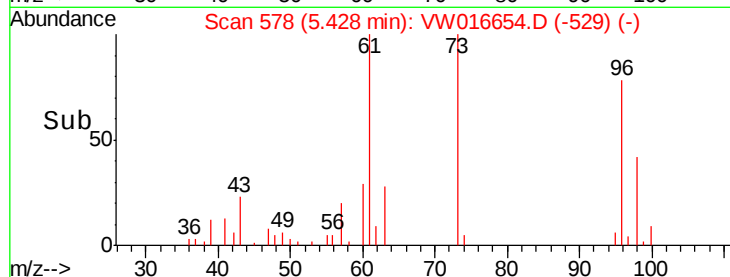
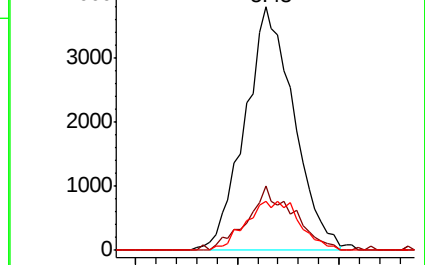
57 11.5 16.3 24.5#



Abundance Ion 73.00 (72.70 to 73.70): VW

Ion 43.00 (42.70 to 43.70): VW

Ion 57.00 (56.70 to 57.70): VW



#19

1,1-Dichloroethane

Concen: 1.147 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

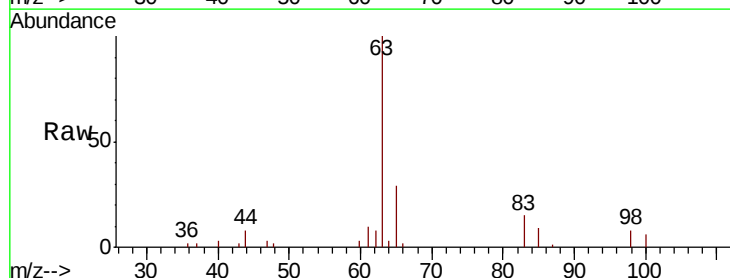
Tgt Ion: 63 Resp: 14502

Ion Ratio Lower Upper

63 100

65 28.9 21.8 40.6

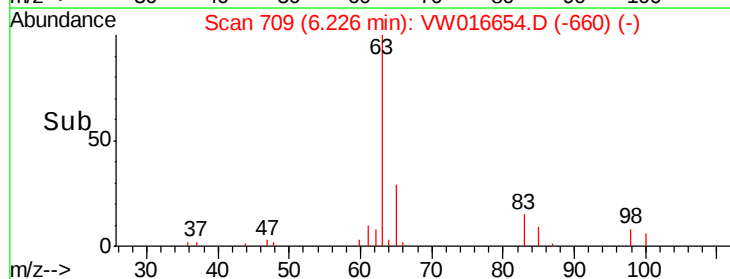
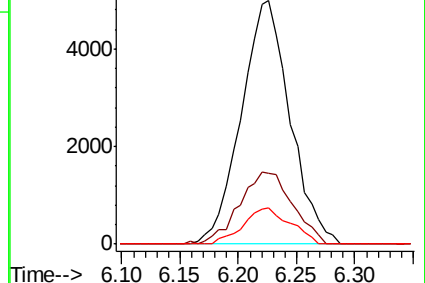
83 14.9 10.2 19.0

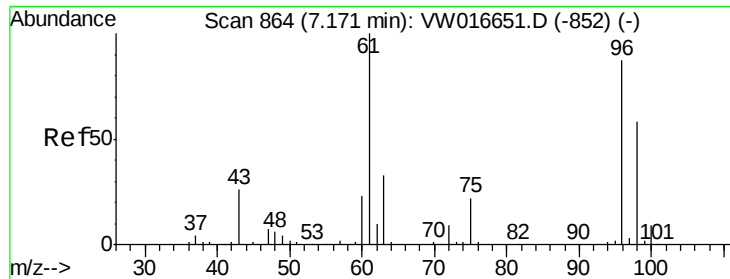


Abundance Ion 63.00 (62.70 to 63.70): VW

Ion 65.00 (64.70 to 65.70): VW

Ion 83.00 (82.70 to 83.70): VW

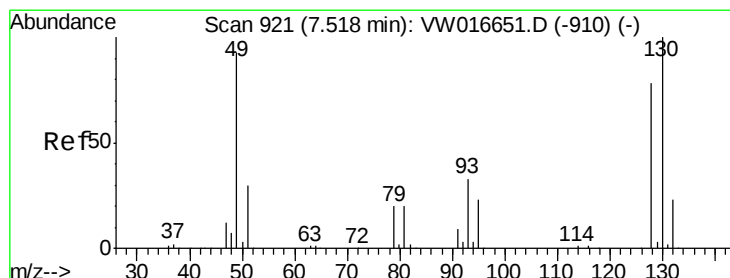
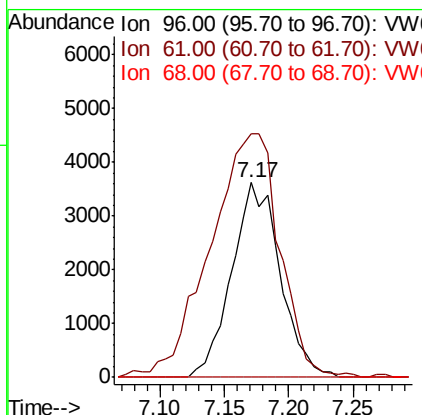
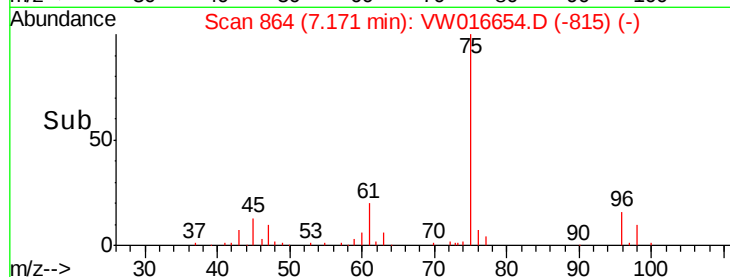
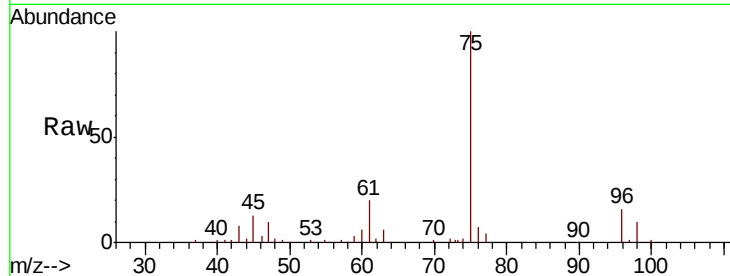




#20
 cis-1,2-Dichloroethene
 Concen: 1.138 ug/L
 RT: 7.17 min Scan# 864
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

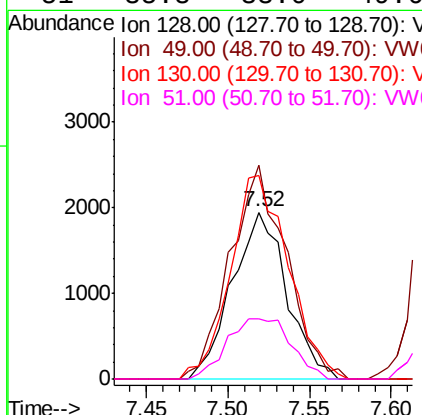
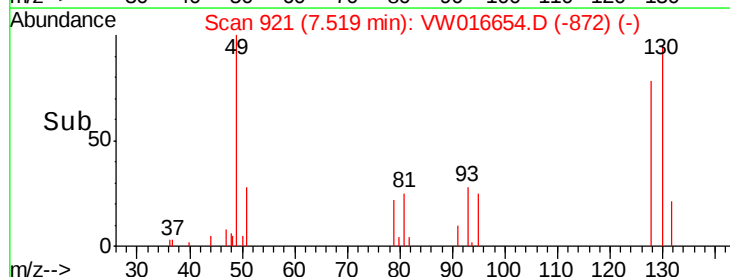
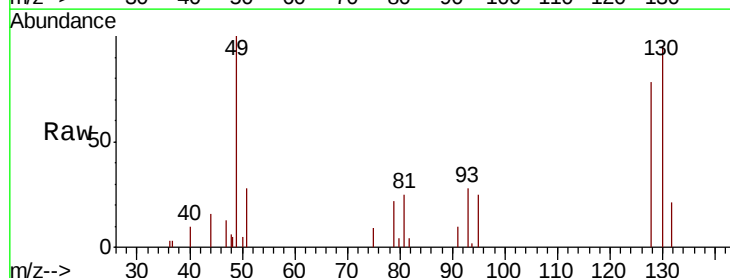
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

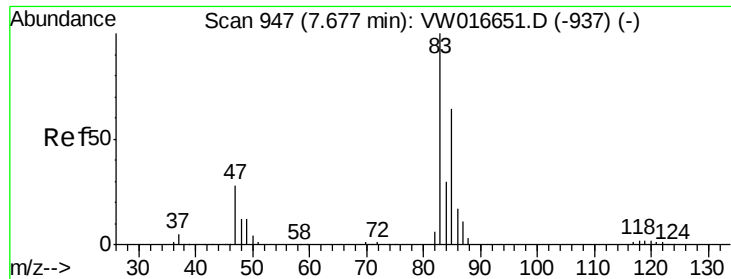
Tot Ion: 96 Resp: 9444
 Ion Ratio Lower Upper
 96 100
 61 125.2 79.2 147.0
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 1.166 ug/L
 RT: 7.52 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Tgt Ion: 128 Resp: 4547
 Ion Ratio Lower Upper
 128 100
 49 128.3 91.5 169.9
 130 122.1 89.0 165.4
 51 35.8 33.0 49.6

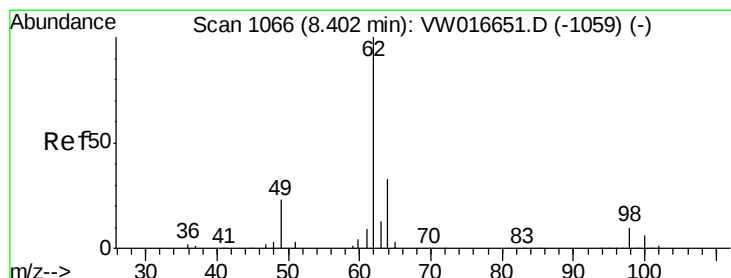
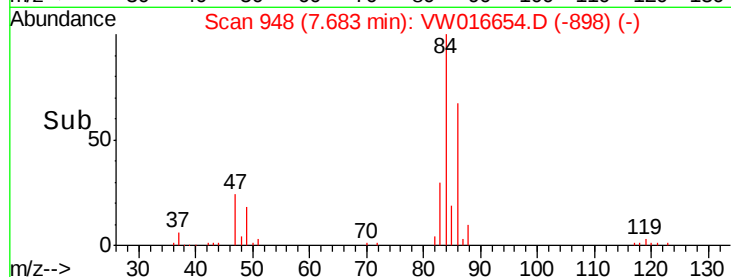
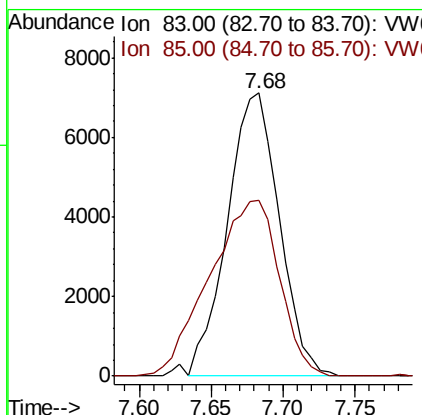
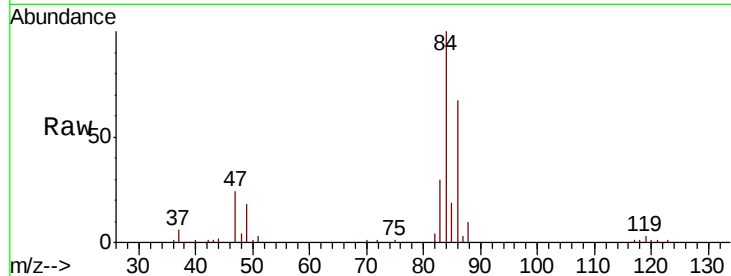




#25
Chloroform
Concen: 1.292 ug/L
RT: 7.68 min Scan# 948
Delta R.T. 0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

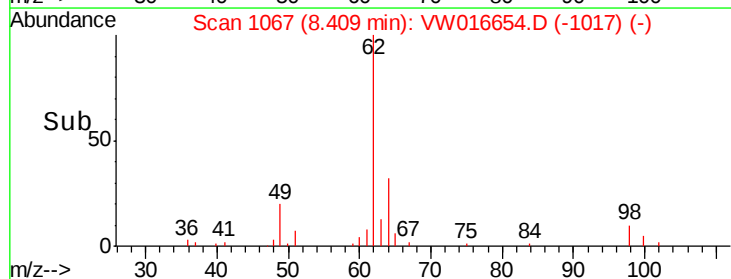
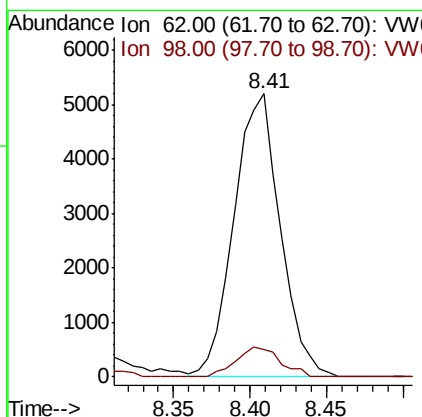
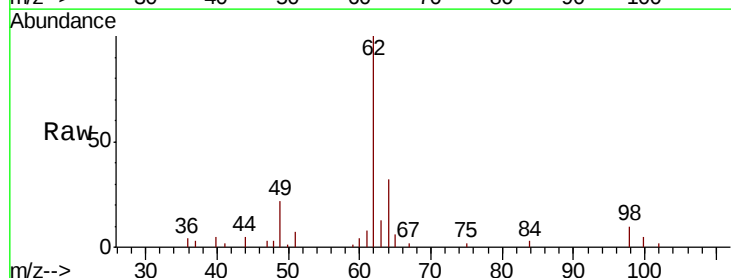
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-06

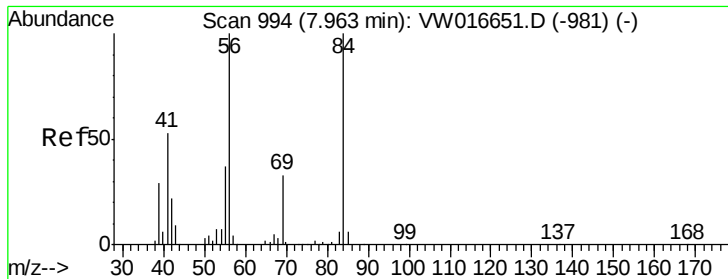
Tot Ion: 83 Resp: 17869
Ion Ratio Lower Upper
83 100
85 62.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.274 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion: 62 Resp: 10942
Ion Ratio Lower Upper
62 100
98 9.9 7.3 10.9

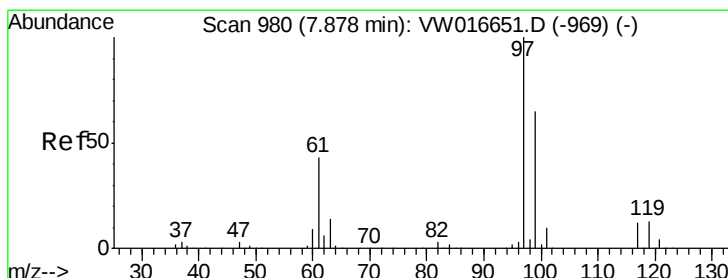
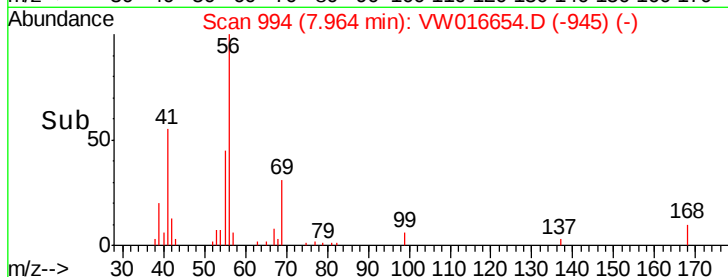
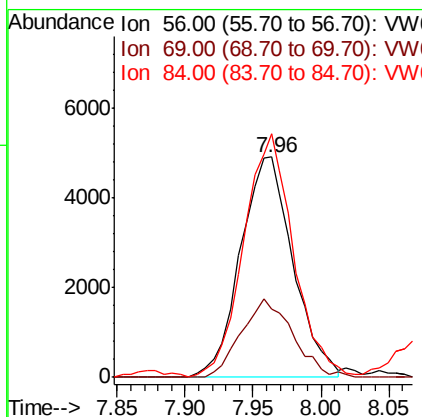
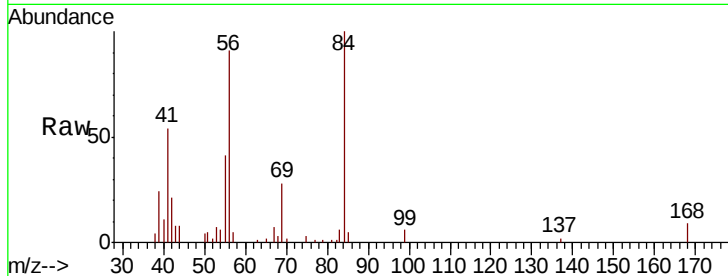




#29
Cyclohexane
Concen: 1.133 ug/L
RT: 7.96 min Scan# 994
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

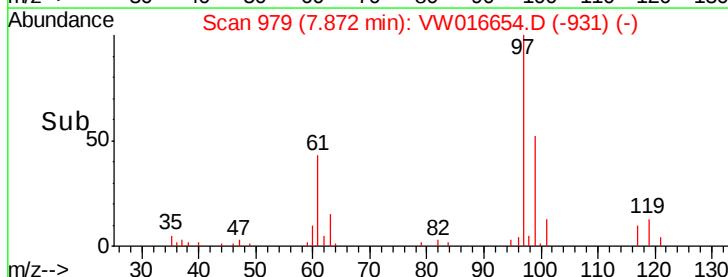
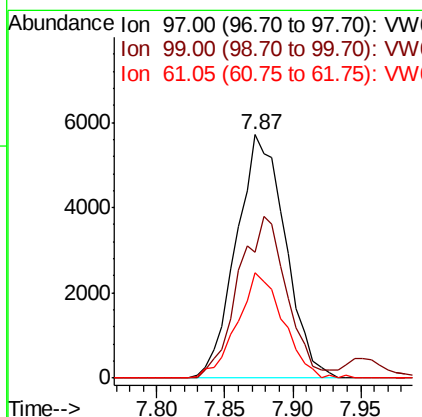
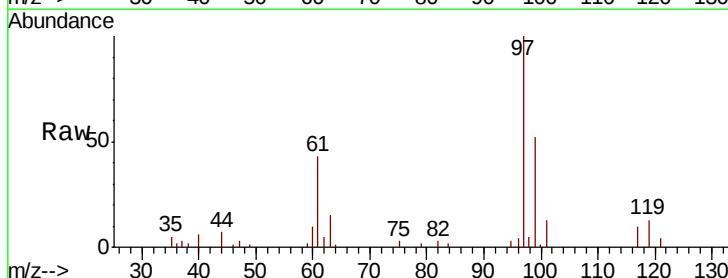
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-06

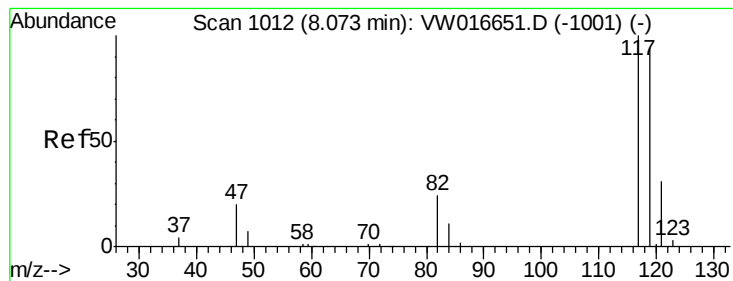
Tot Ion	56	Resp	13257
Ion Ratio	Lower	Upper	
56	100		
69	34.4	26.4	39.6
84	104.5	79.9	119.9



#30
1,1,1-Trichloroethane
Concen: 1.147 ug/L
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion	97	Resp	14325
Ion Ratio	Lower	Upper	
97	100		
99	66.5	50.9	76.3
61	40.3	33.2	49.8





#31

Carbon tetrachloride

Concen: 1.146 ug/L

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

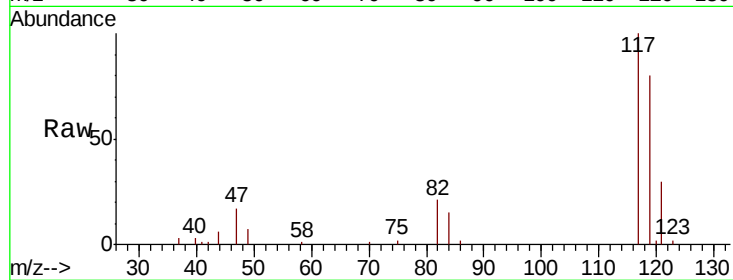
MDL-SOIL-06

Tot Ion:117 Resp: 13933

Ion Ratio Lower Upper

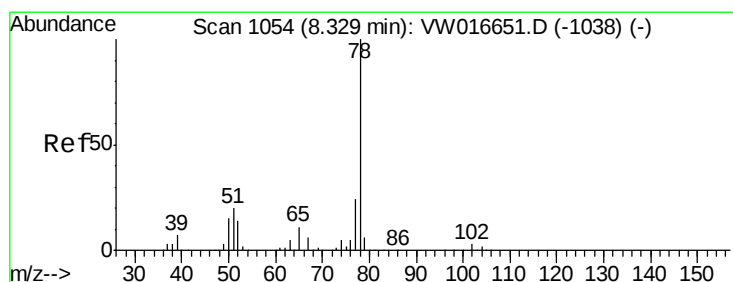
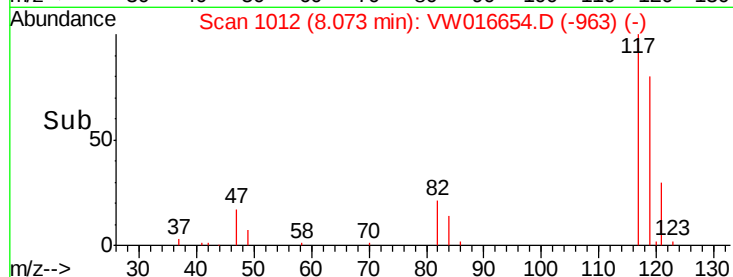
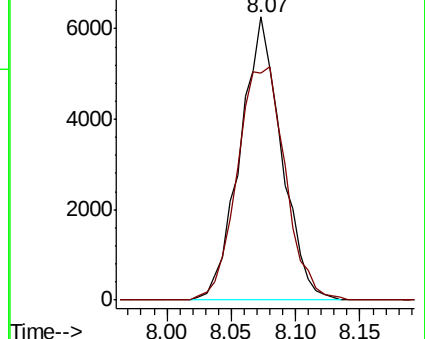
117 100

119 95.7 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: 1.194 ug/L

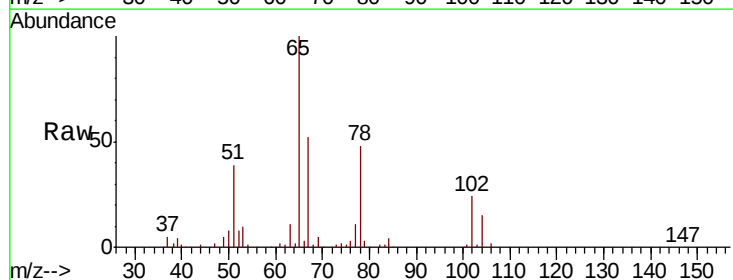
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

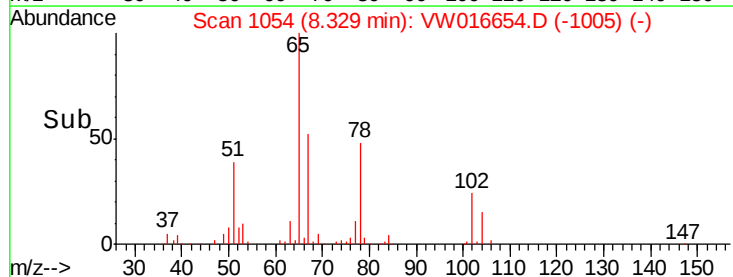
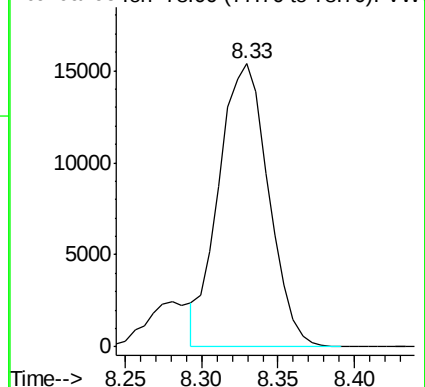
Lab File: VW016654.D

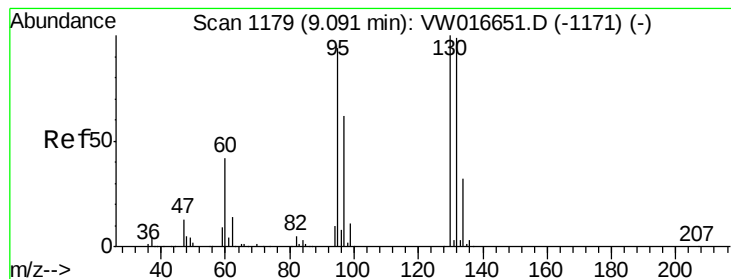
Acq: 25 Sep 2020 14:40

Tgt Ion: 78 Resp: 34652



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 1.162 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

Tot Ion: 95 Resp: 9673

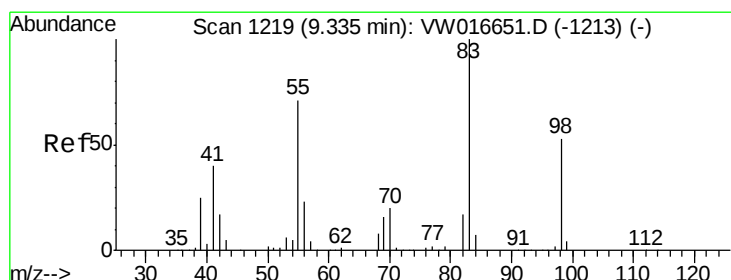
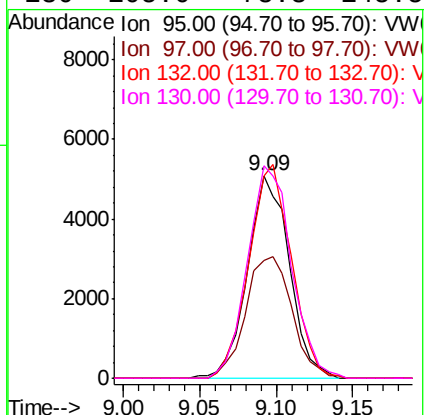
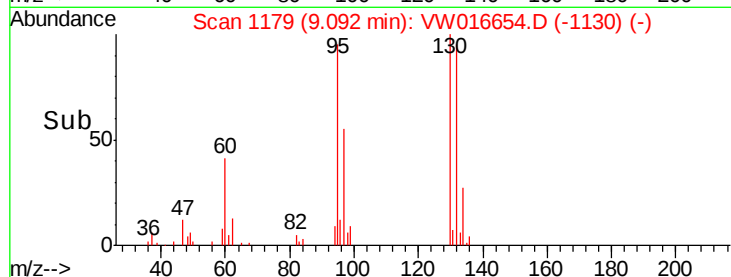
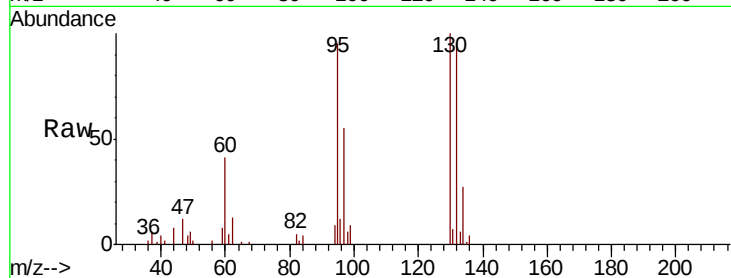
Ion Ratio Lower Upper

95 100

97 57.9 45.1 83.9

132 99.8 73.8 137.2

130 105.0 78.3 145.5



#35

Methylcyclohexane

Concen: 1.180 ug/L

RT: 9.34 min Scan# 1220

Delta R.T. 0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

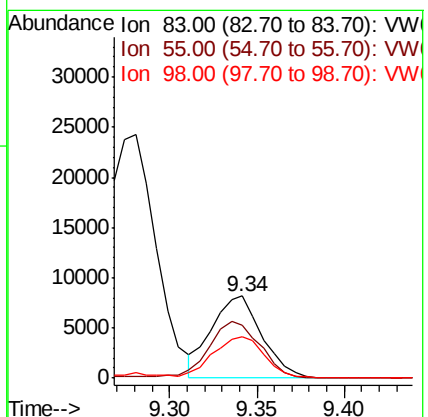
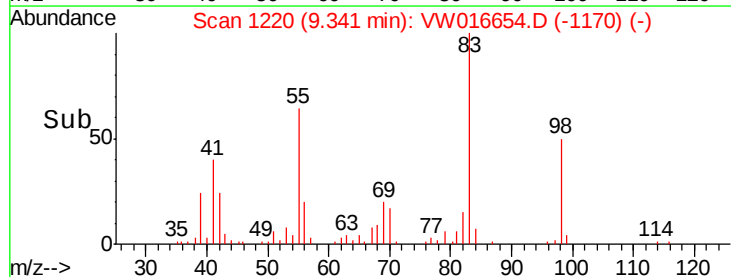
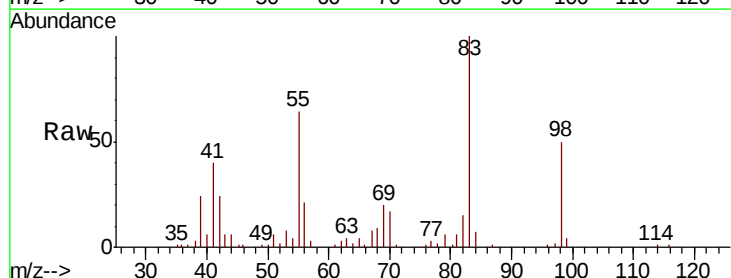
Tgt Ion: 83 Resp: 16419

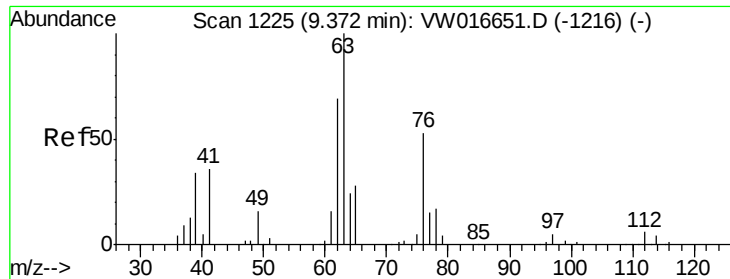
Ion Ratio Lower Upper

83 100

55 70.5 55.9 83.9

98 51.3 41.5 62.3

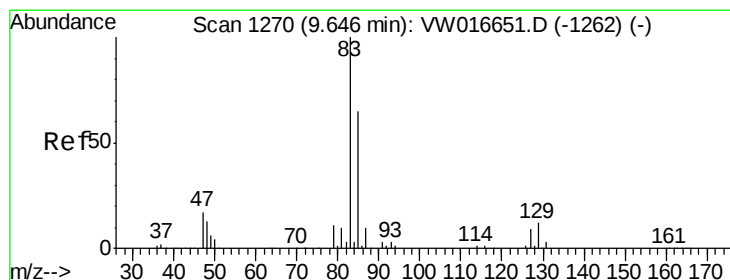
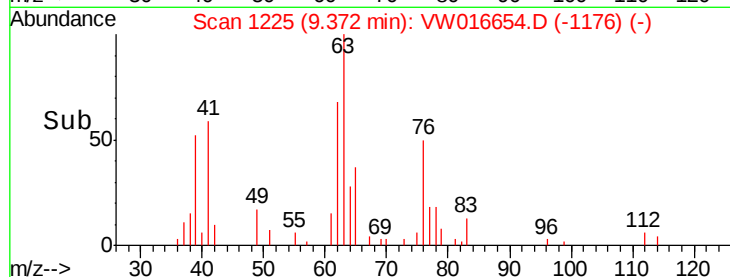
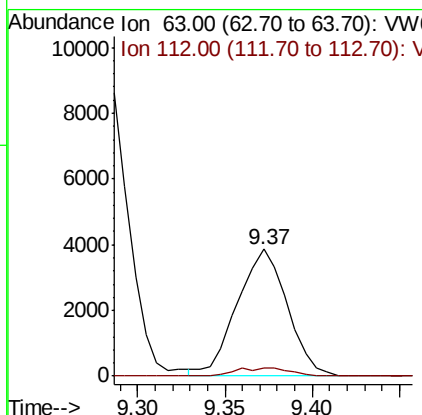
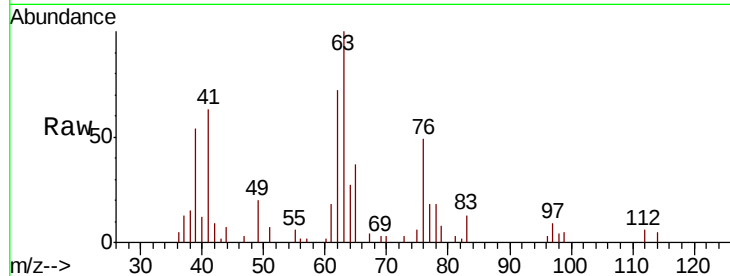




#37
 1,2-Dichloropropane
 Concen: 1.174 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

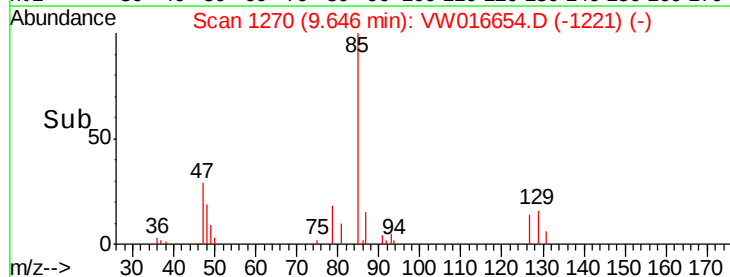
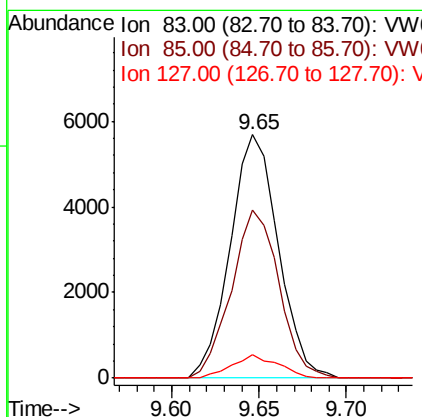
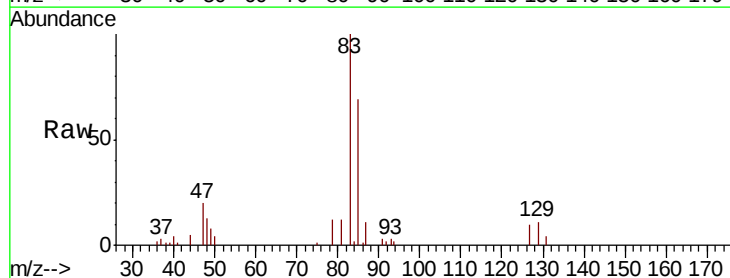
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

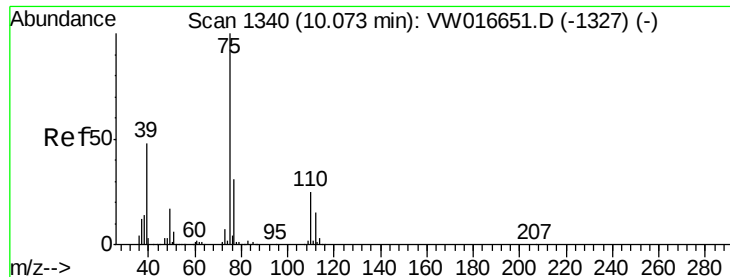
Tot Ion: 63 Resp: 7774
 Ion Ratio Lower Upper
 63 100
 112 4.0 4.2 6.4#



#38
 Bromodichloromethane
 Concen: 1.107 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Tgt Ion: 83 Resp: 10863
 Ion Ratio Lower Upper
 83 100
 85 69.2 43.7 81.1
 127 9.7 7.4 11.2





#39

cis-1,3-Dichloropropene

Concen: 1.074 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

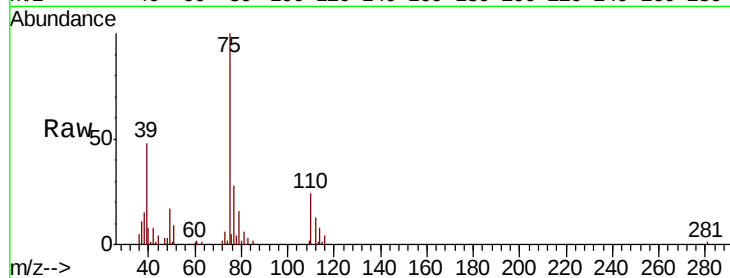
MDL-SOIL-06

Tot Ion: 75 Resp: 12137

Ion Ratio Lower Upper

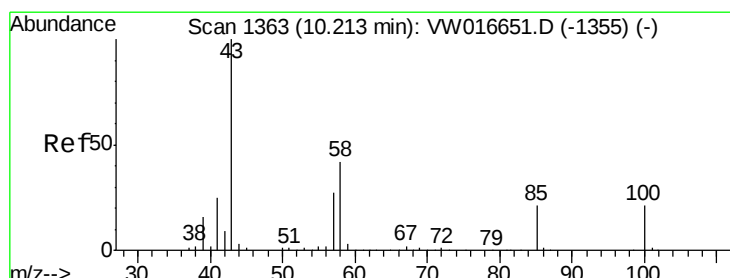
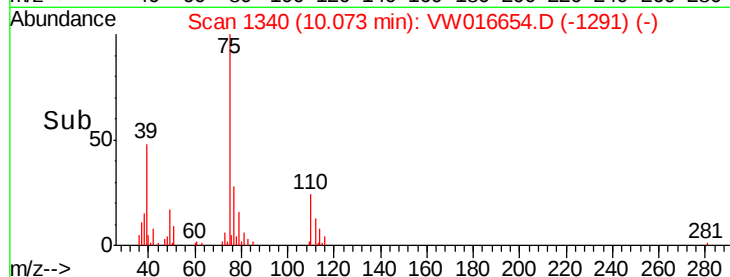
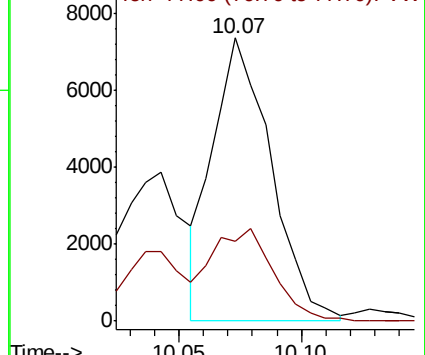
75 100

77 28.2 23.0 42.6



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#40

4-Methyl-2-pentanone

Concen: 2.780 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

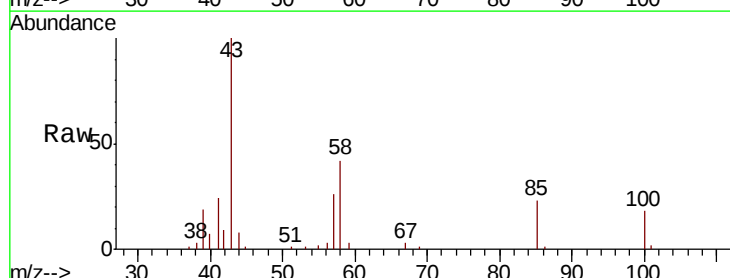
Tgt Ion: 43 Resp: 10312

Ion Ratio Lower Upper

43 100

58 40.0 33.0 49.4

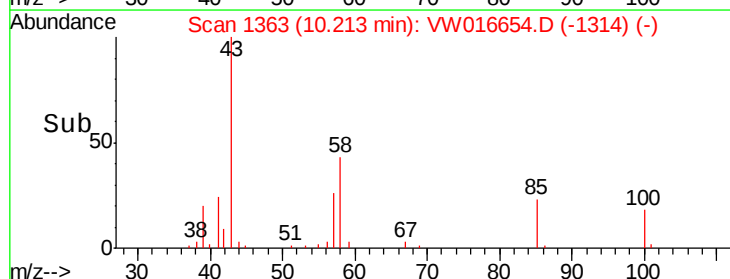
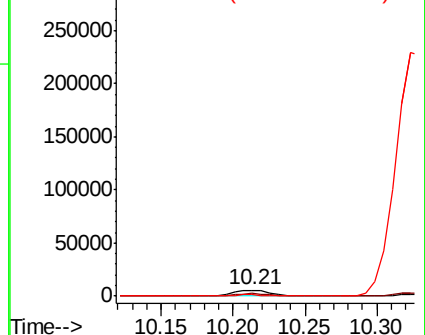
100 19.9 16.0 24.0

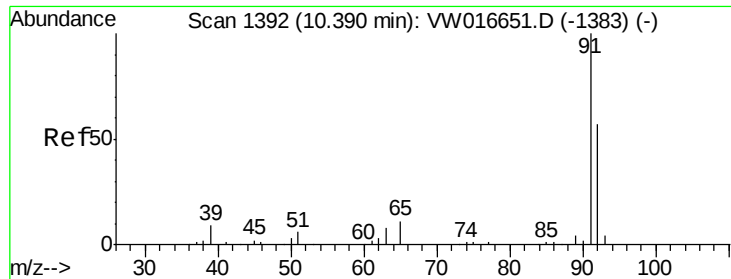


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 100.00 (99.70 to 100.70): VW





#42

Toluene

Concen: 1.242 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampled :

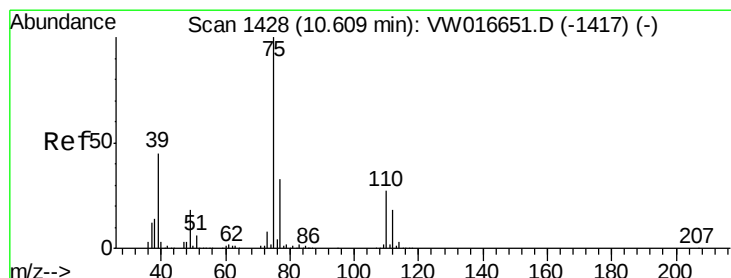
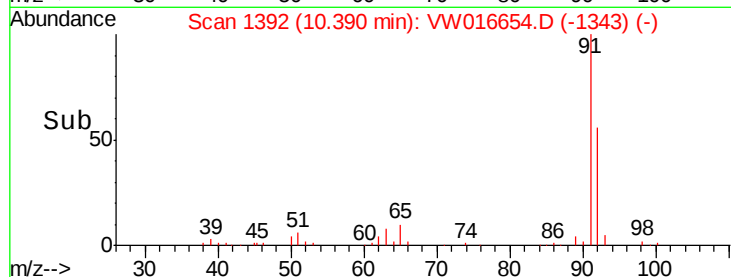
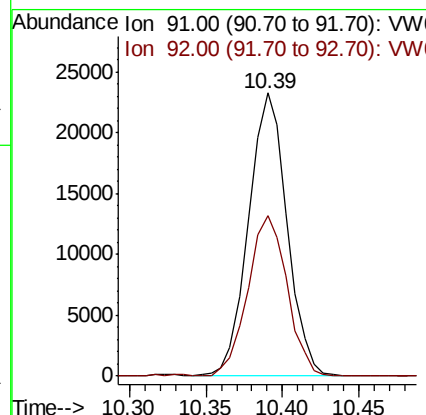
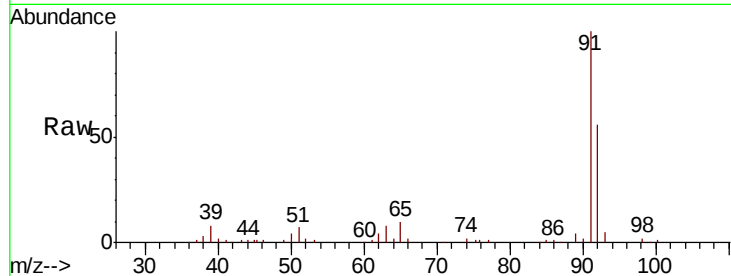
MDL-SOIL-06

Tot Ion: 91 Resp: 40636

Ion Ratio Lower Upper

91 100

92 56.5 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 1.555 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.00 min

Lab File: VW016654.D

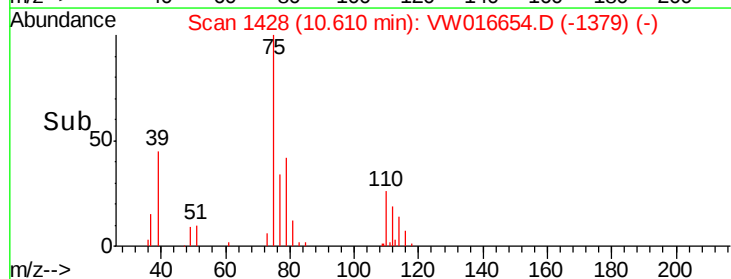
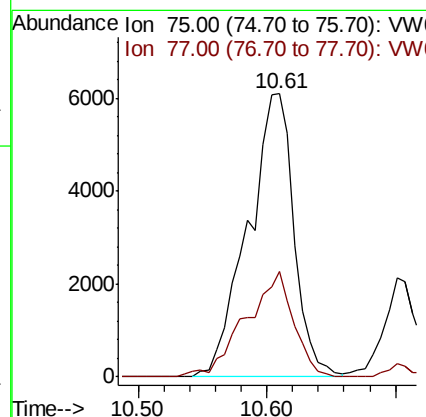
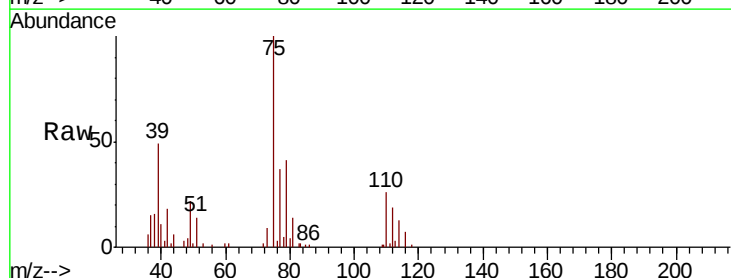
Acq: 25 Sep 2020 14:40

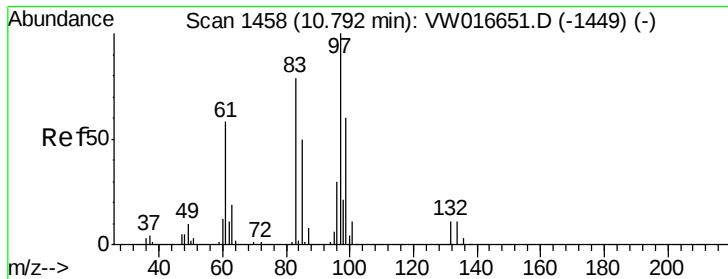
Tgt Ion: 75 Resp: 15075

Ion Ratio Lower Upper

75 100

77 37.1 22.1 41.1





#45

1,1,2-Trichloroethane

Concen: 1.285 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

Tot Ion: 97 Resp: 6911

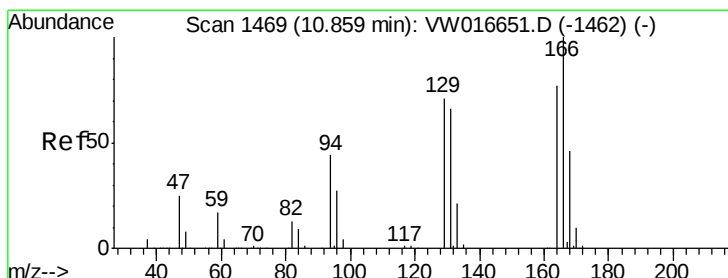
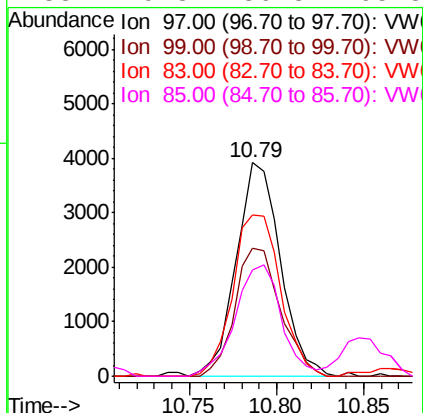
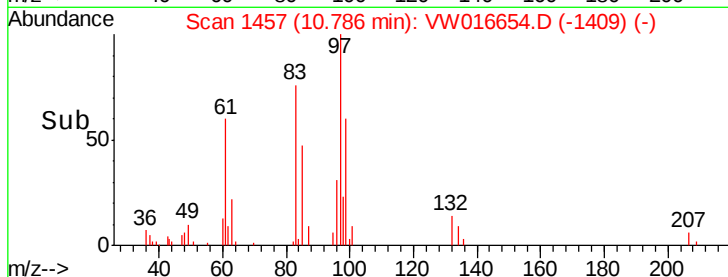
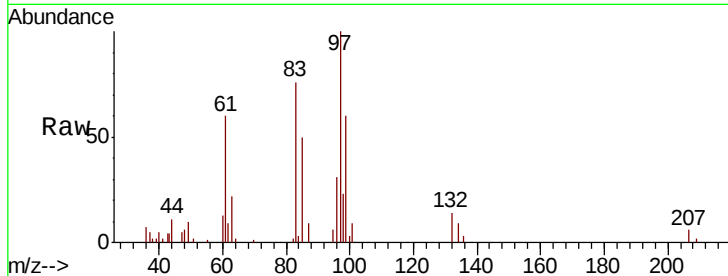
Ion Ratio Lower Upper

97 100

99 59.7 44.5 82.7

83 75.5 58.4 108.4

85 49.8 36.8 68.3



#46

Tetrachloroethene

Concen: 1.196 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Tgt Ion: 164 Resp: 8982

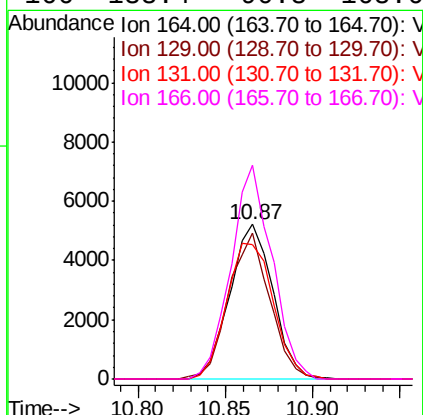
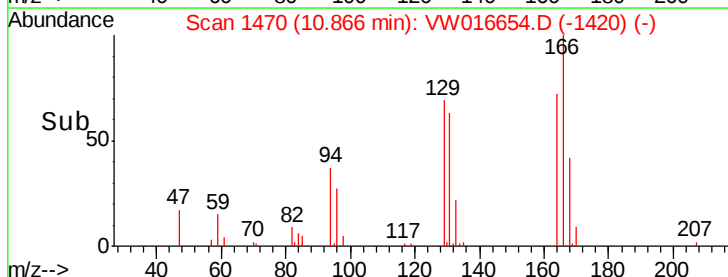
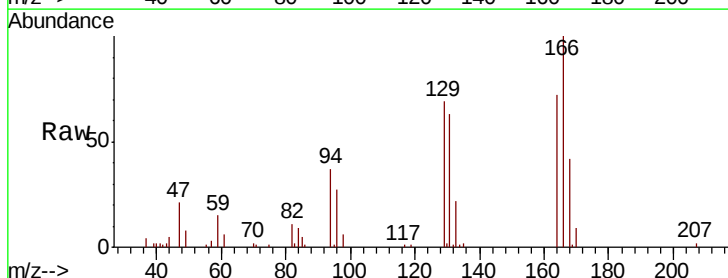
Ion Ratio Lower Upper

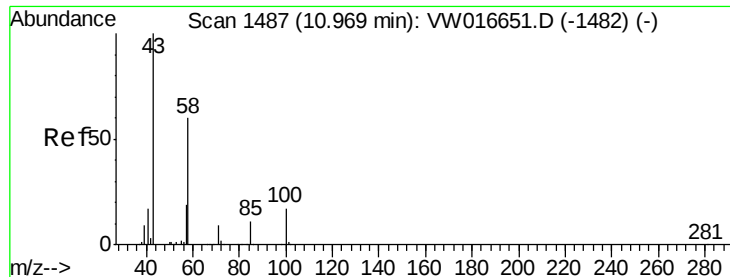
164 100

129 94.9 61.4 114.0

131 86.8 62.8 116.6

166 138.4 90.8 168.6

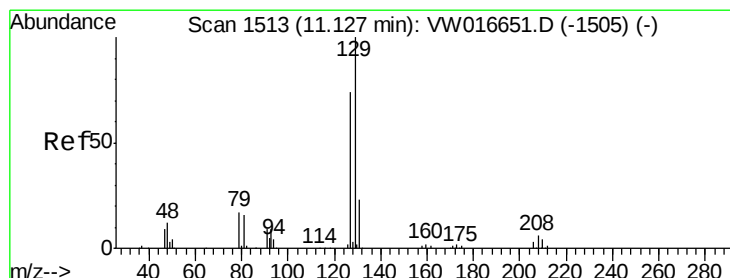
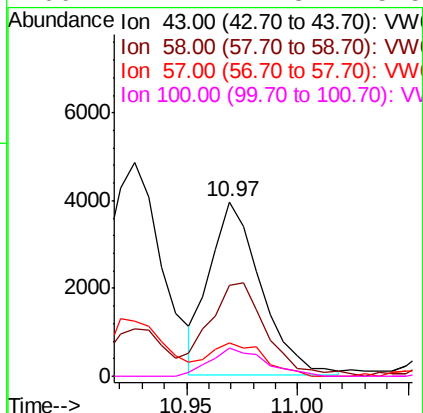
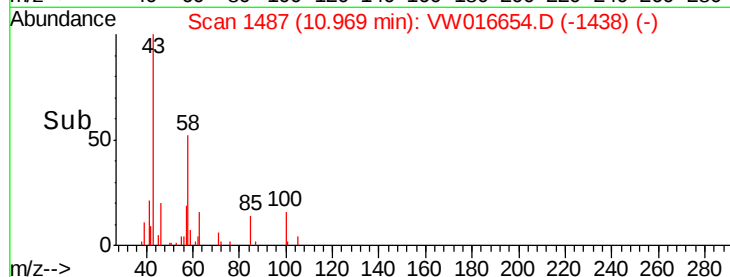
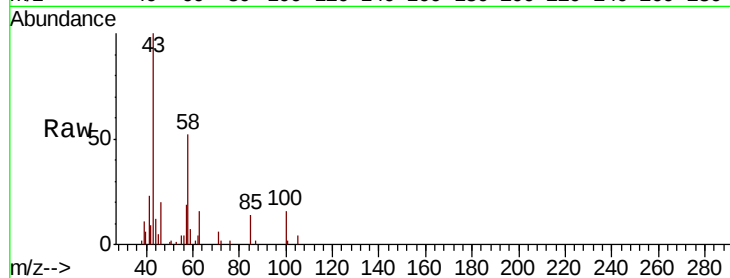




#48
2-Hexanone
Concen: 2.750 ug/L
RT: 10.97 min Scan# 1487
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

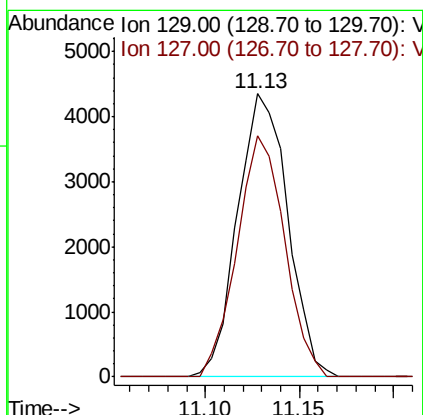
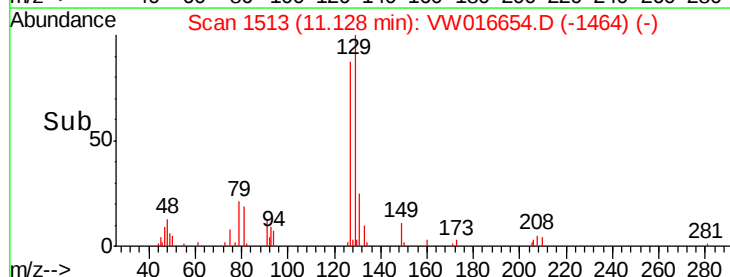
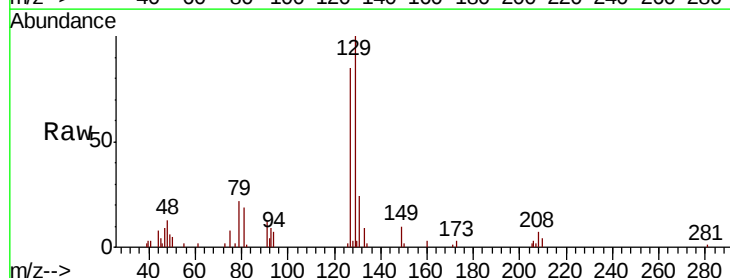
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-06

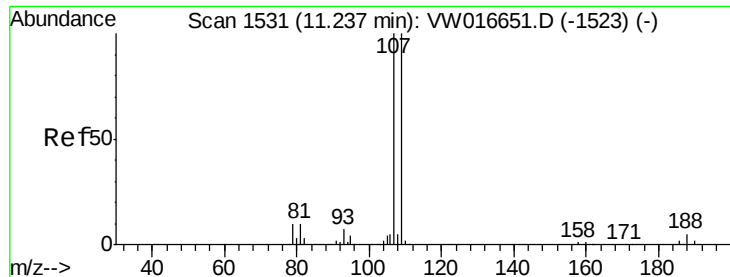
Tot Ion: 43 Resp: 6343
Ion Ratio Lower Upper
43 100
58 61.2 45.9 68.9
57 21.0 16.6 24.8
100 17.2 12.3 18.5



#49
Dibromochloromethane
Concen: 1.139 ug/L
RT: 11.13 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion: 129 Resp: 8037
Ion Ratio Lower Upper
129 100
127 85.3 52.5 97.5

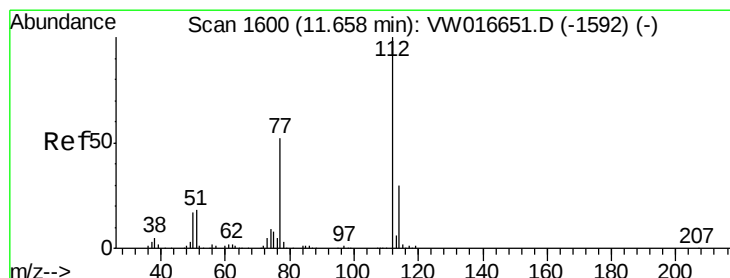
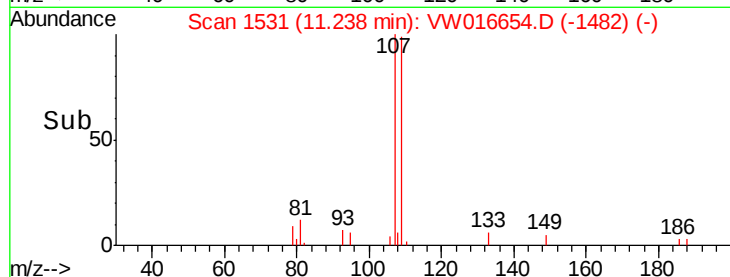
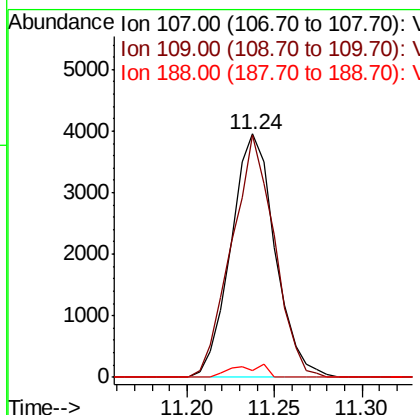
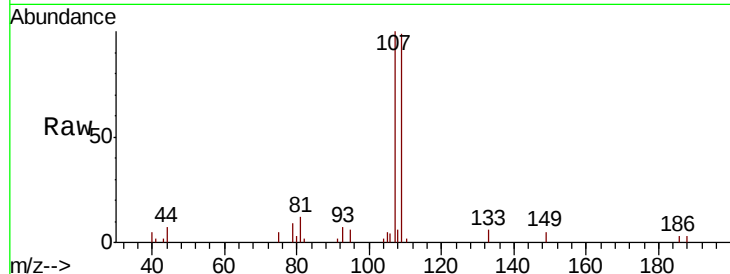




#50
1,2-Dibromoethane
Concen: 1.304 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

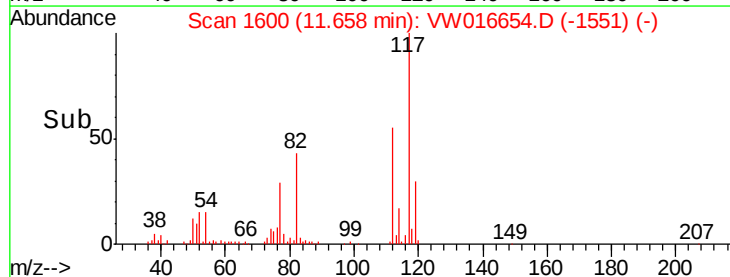
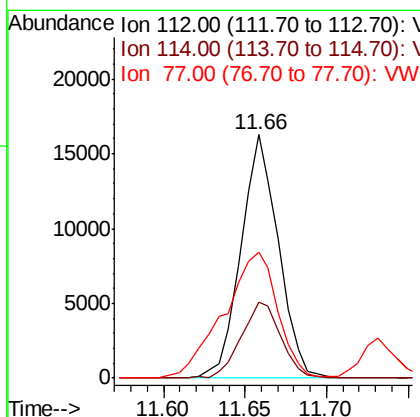
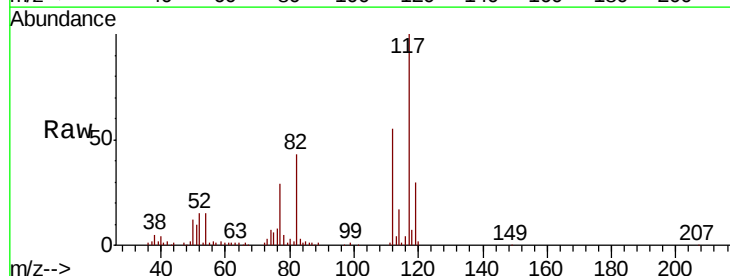
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-06

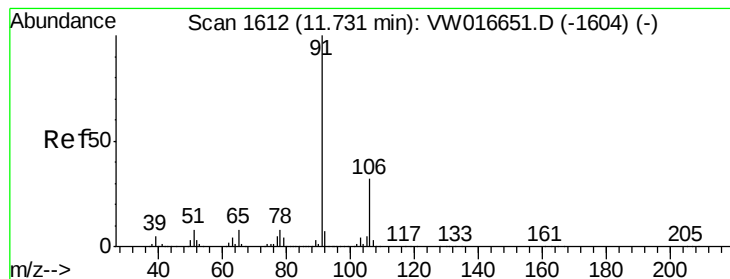
Tot Ion:107 Resp: 6943
Ion Ratio Lower Upper
107 100
109 99.4 66.2 123.0
188 2.9 3.3 4.9#



#51
Chlorobenzene
Concen: 1.197 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion:112 Resp: 25962
Ion Ratio Lower Upper
112 100
114 31.1 22.9 42.5
77 51.7 43.8 65.8





#52

Ethylbenzene

Concen: 1.174 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

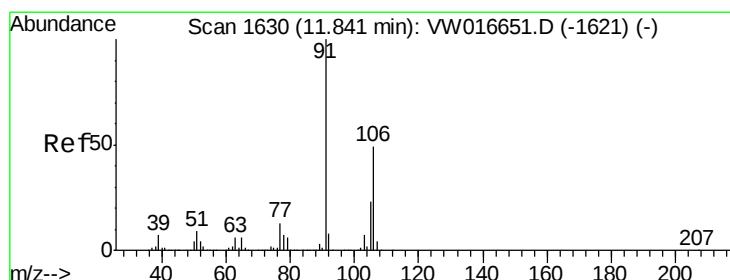
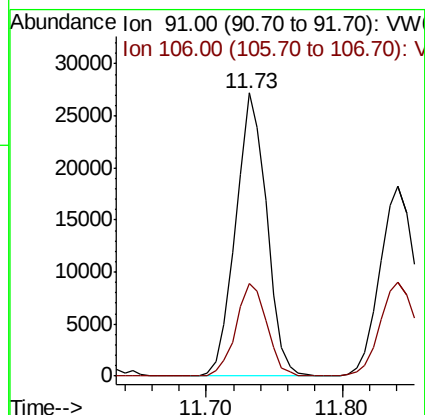
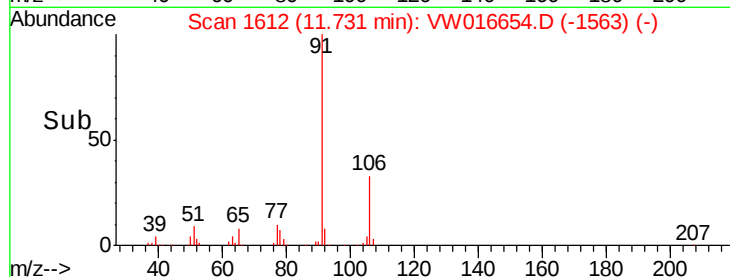
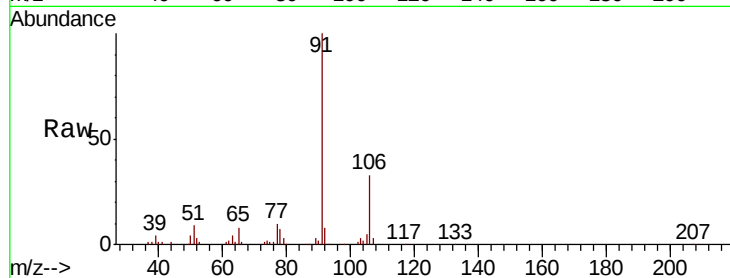
MDL-SOIL-06

Tot Ion: 91 Resp: 43241

Ion Ratio Lower Upper

91 100

106 32.9 22.0 41.0



#53

m,p-Xylene

Concen: 1.167 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016654.D

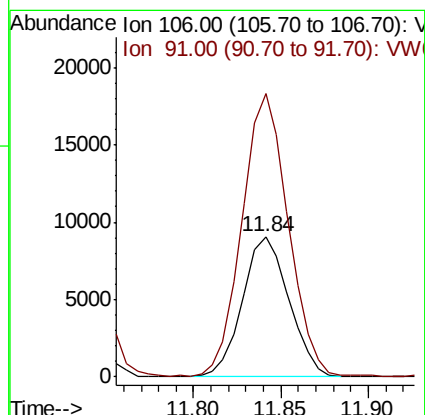
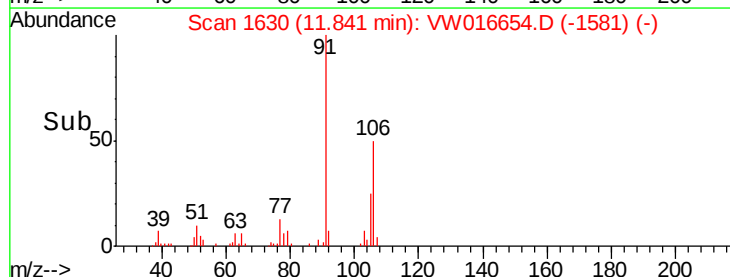
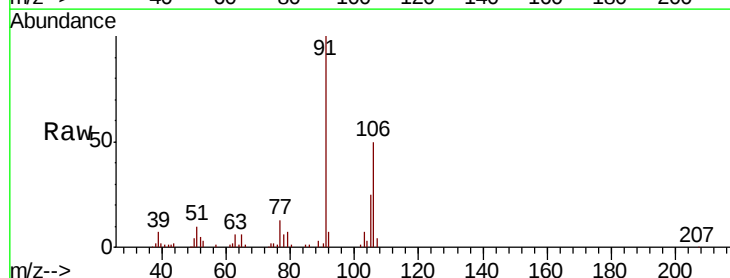
Acq: 25 Sep 2020 14:40

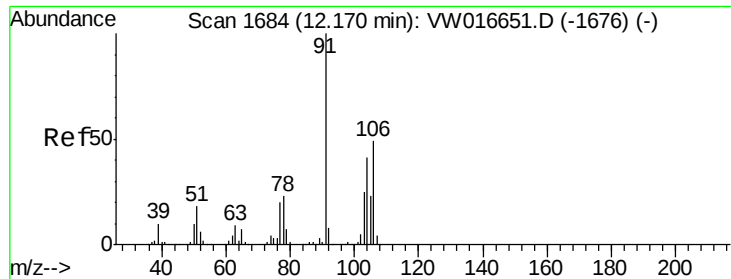
Tgt Ion: 106 Resp: 16745

Ion Ratio Lower Upper

106 100

91 201.5 136.2 252.9

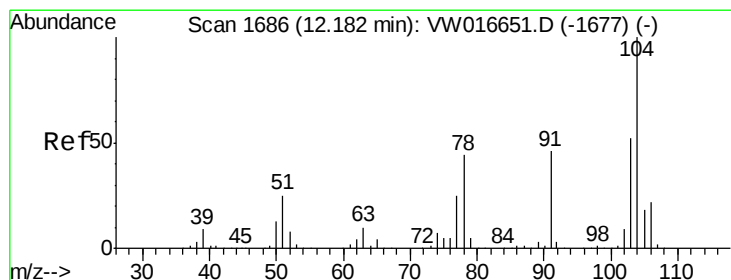
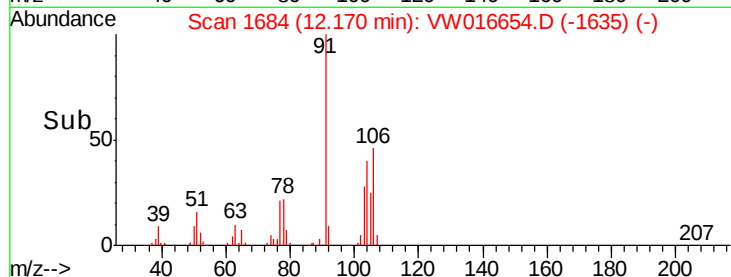
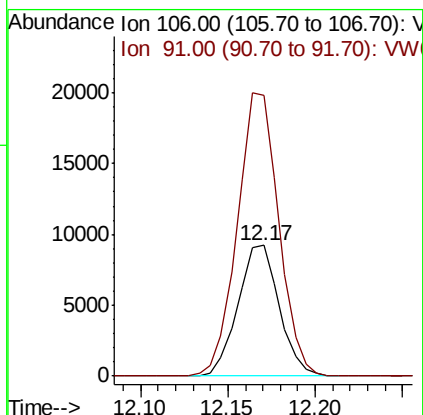
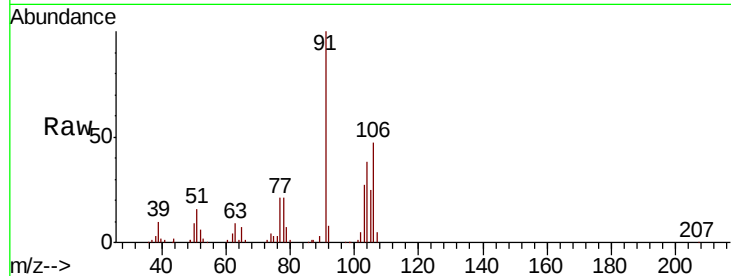




#54
o-Xylene
Concen: 1.116 ug/L
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

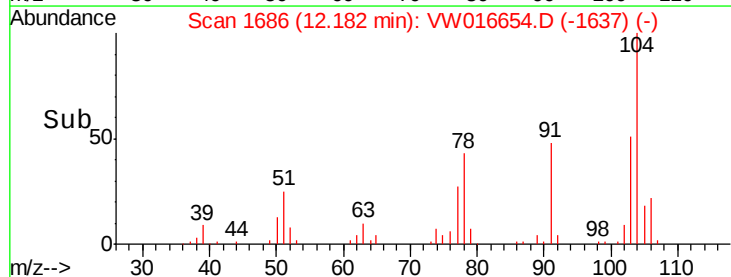
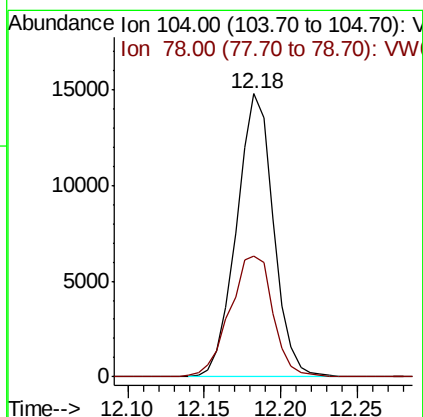
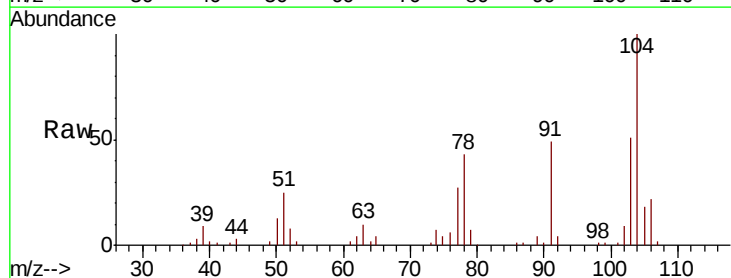
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-06

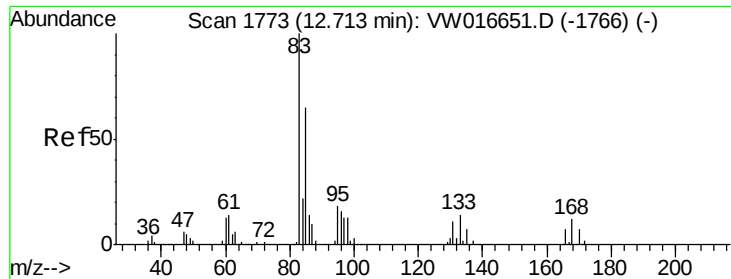
Tot Ion:106 Resp: 15152
Ion Ratio Lower Upper
106 100
91 214.9 143.4 266.2



#55
Styrene
Concen: 1.097 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion:104 Resp: 24797
Ion Ratio Lower Upper
104 100
78 42.8 31.1 57.9





#57

1,1,2,2-Tetrachloroethane

Concen: 1.359 ug/L

RT: 12.71 min Scan# 1773

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

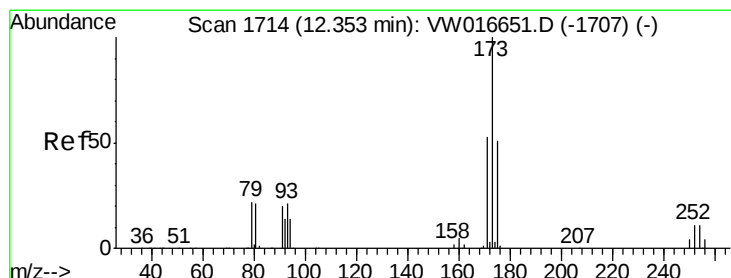
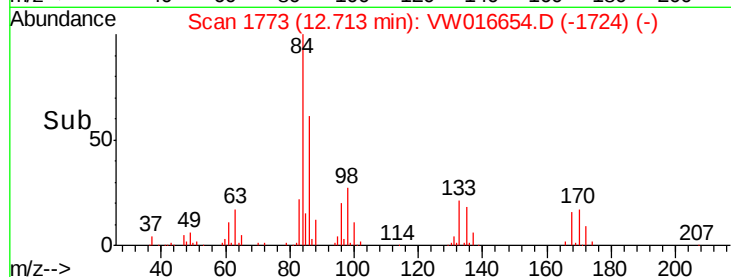
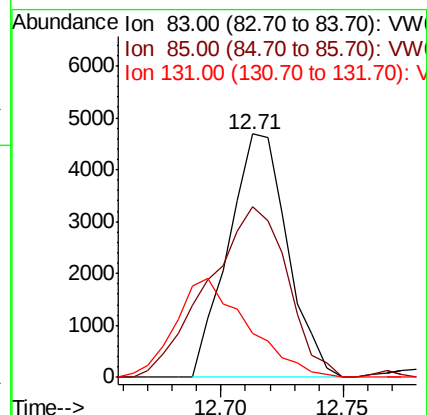
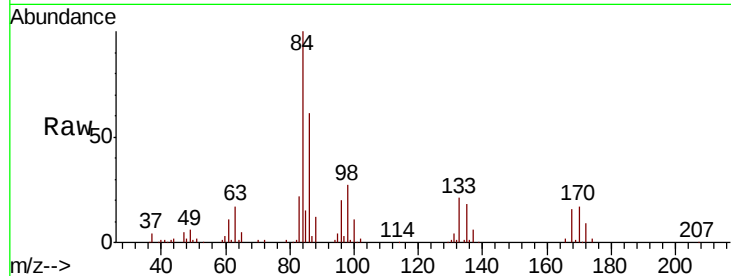
Tot Ion: 83 Resp: 7869

Ion Ratio Lower Upper

83 100

85 70.3 46.3 85.9

131 22.7 9.3 13.9#



#59

Bromoform

Concen: 1.045 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

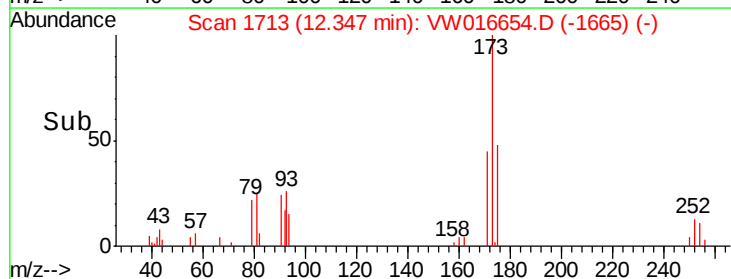
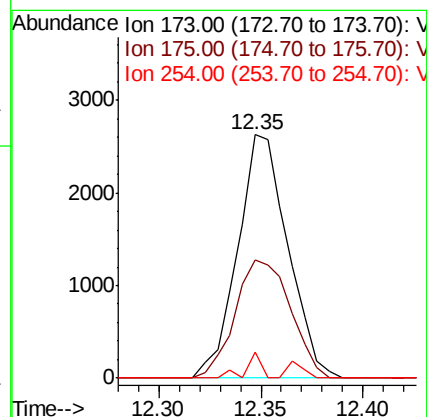
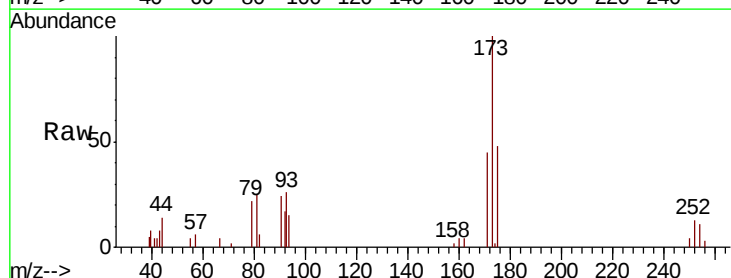
Tgt Ion: 173 Resp: 4486

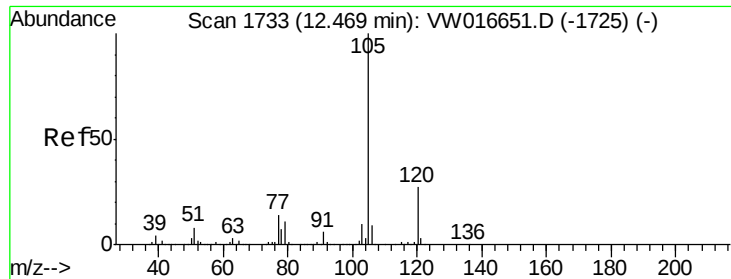
Ion Ratio Lower Upper

173 100

175 53.4 39.7 59.5

254 2.3 8.2 12.2#





#60

Isopropylbenzene

Concen: 1.105 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

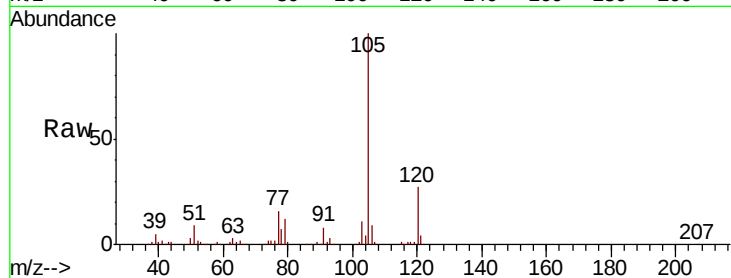
Tot Ion:105 Resp: 42907

Ion Ratio Lower Upper

105 100

120 26.6 21.8 32.8

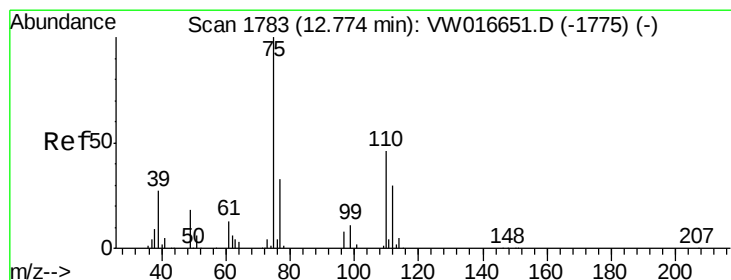
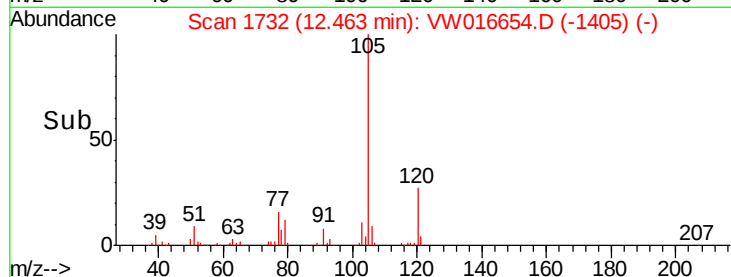
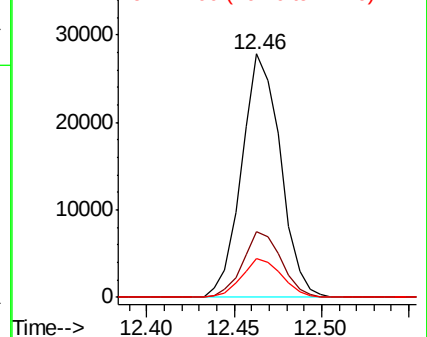
77 16.6 12.1 18.1



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: 1.331 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. -0.01 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

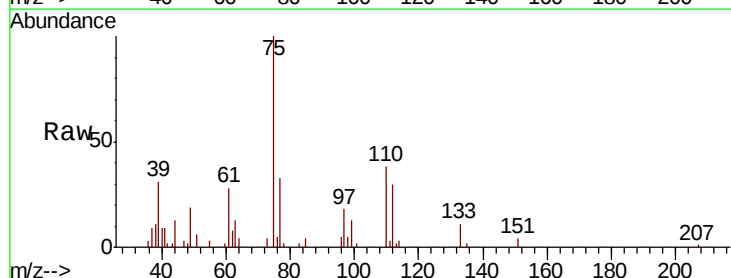
Tgt Ion: 75 Resp: 5836

Ion Ratio Lower Upper

75 100

77 37.0 25.8 38.8

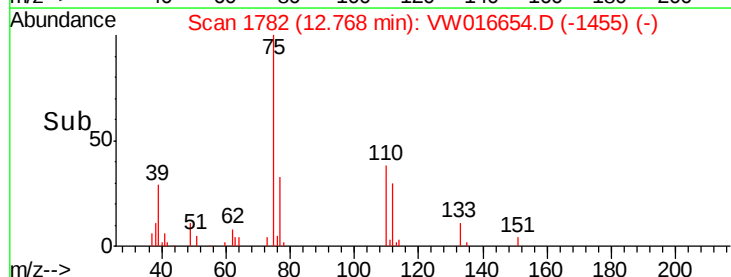
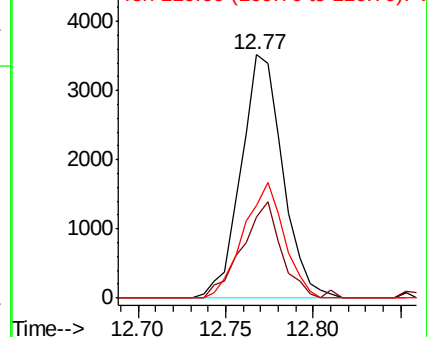
110 46.2 35.8 53.8

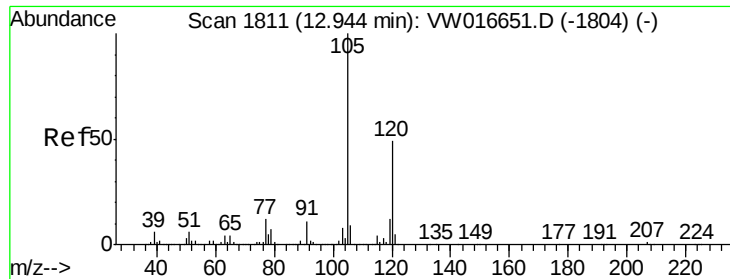


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 110.00 (109.70 to 110.70): V

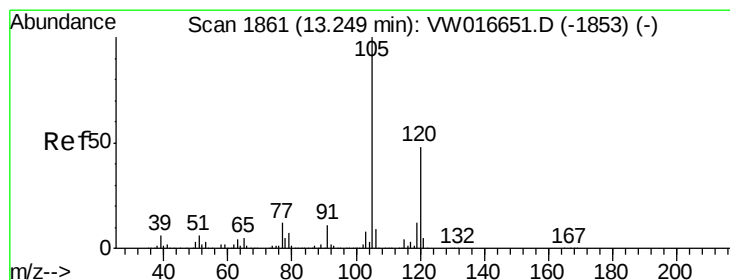
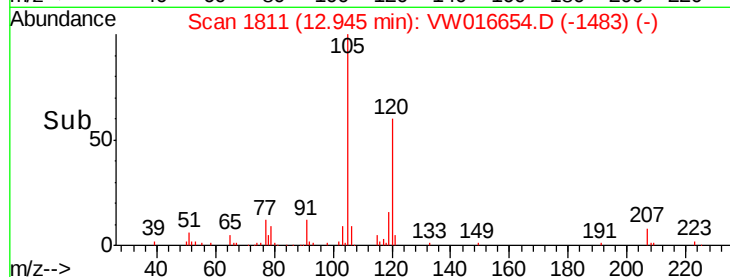
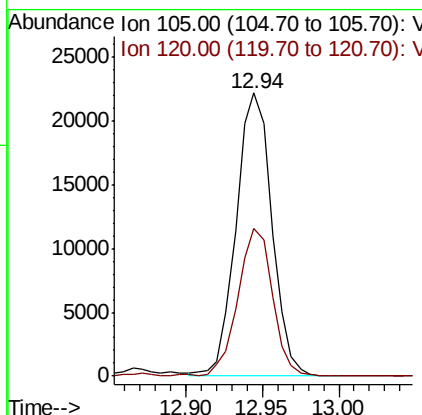
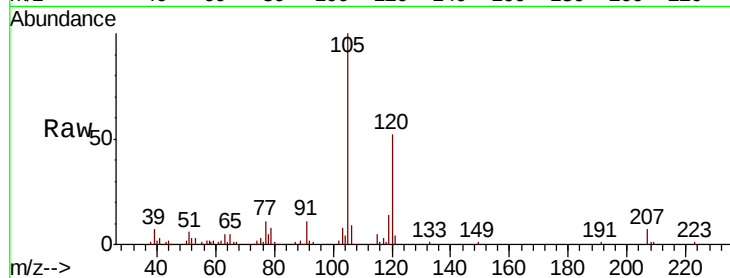




#62
 1,3,5-Trimethylbenzene
 Concen: 1.126 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

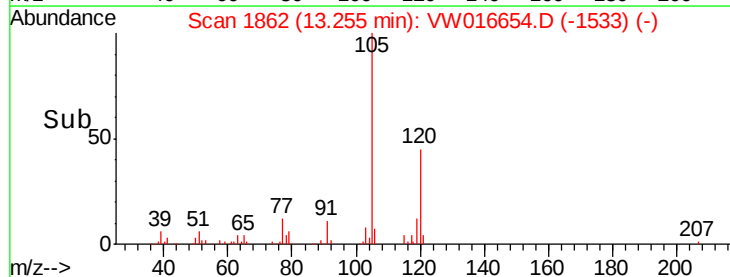
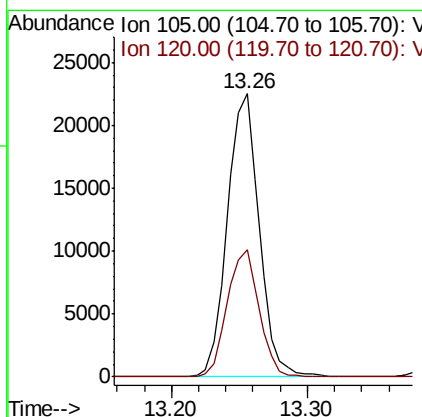
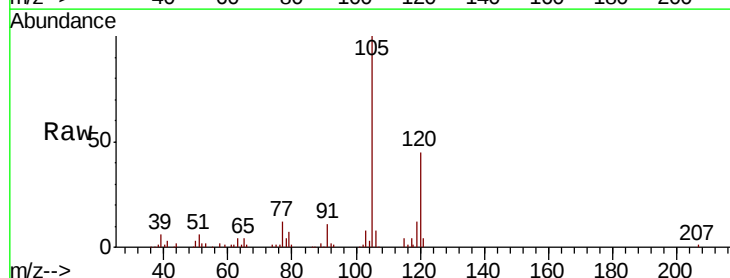
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

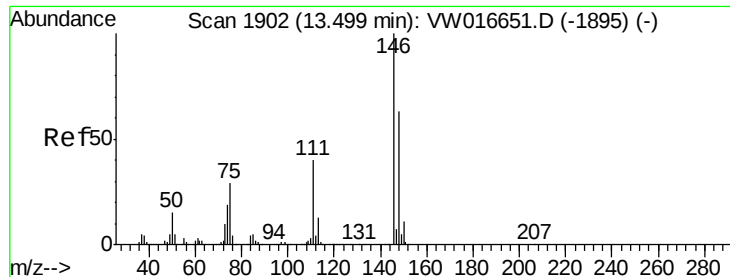
Tot Ion:105 Resp: 35980
 Ion Ratio Lower Upper
 105 100
 120 50.4 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 1.152 ug/L
 RT: 13.26 min Scan# 1862
 Delta R.T. 0.01 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Tgt Ion:105 Resp: 36595
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.4 54.6

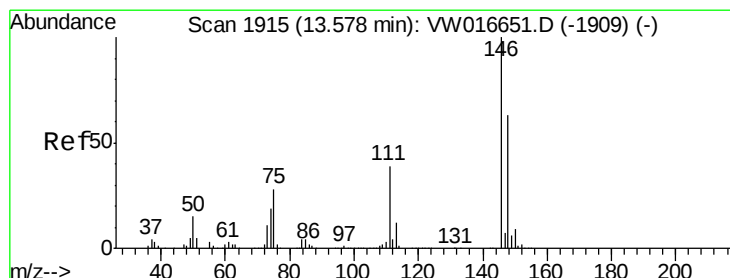
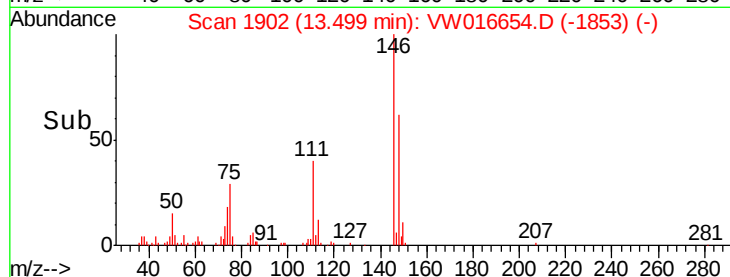
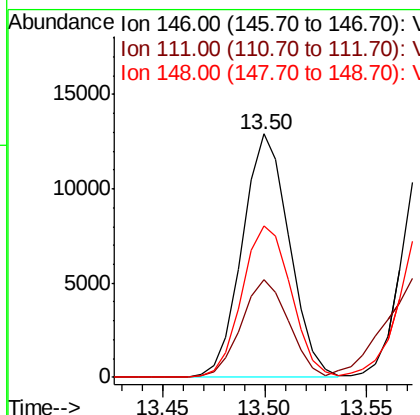
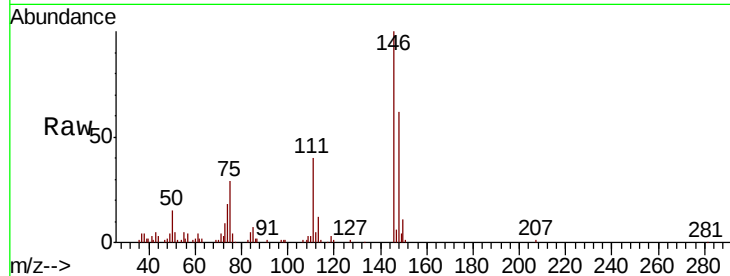




#64
 1,3-Dichlorobenzene
 Concen: 1.163 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

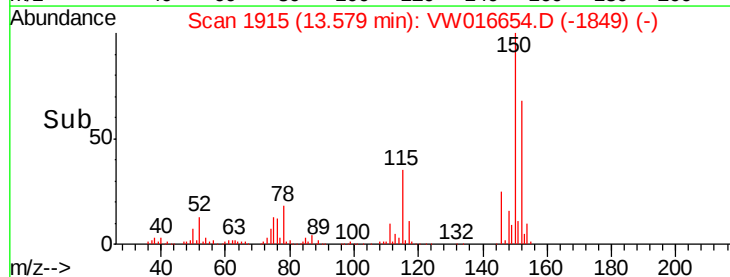
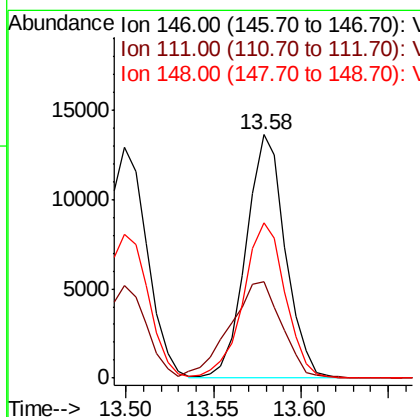
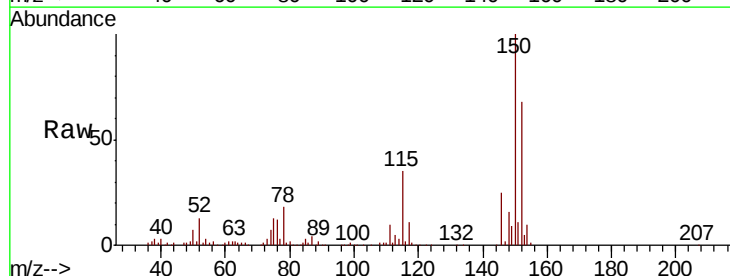
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

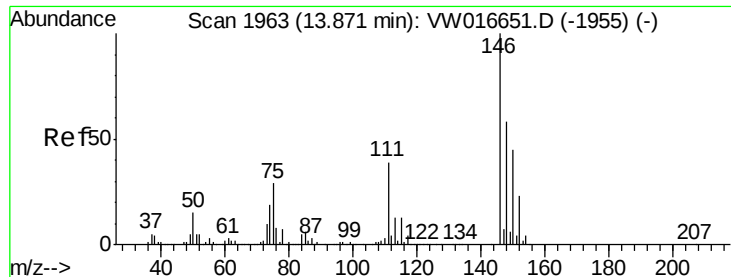
Tot Ion:146 Resp: 20732
 Ion Ratio Lower Upper
 146 100
 111 39.9 26.5 49.3
 148 62.3 44.0 81.8



#65
 1,4-Dichlorobenzene
 Concen: 1.221 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Tgt Ion:146 Resp: 21345
 Ion Ratio Lower Upper
 146 100
 111 39.4 26.5 49.3
 148 64.0 43.8 81.4





#67

1,2-Dichlorobenzene

Concen: 1.233 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-06

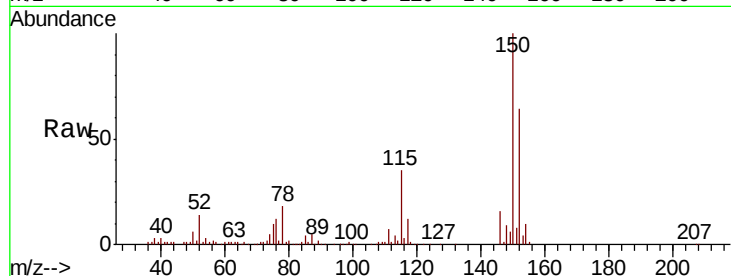
Tot Ion:146 Resp: 19433

Ion Ratio Lower Upper

146 100

111 42.7 32.4 48.6

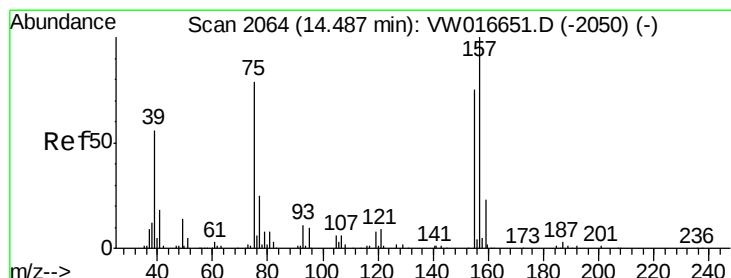
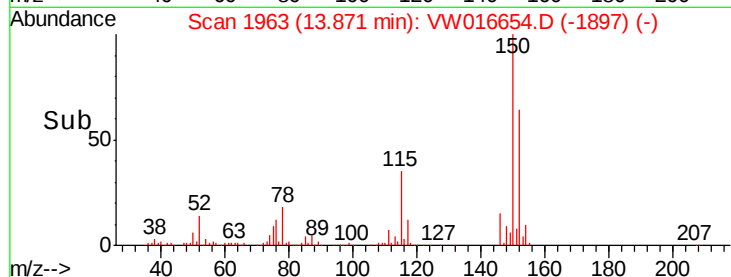
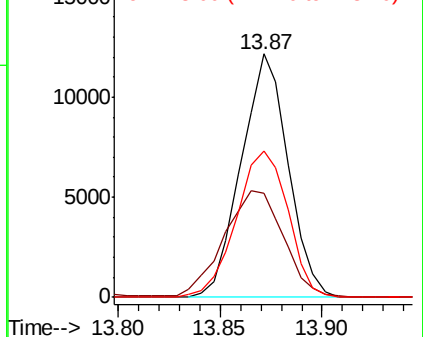
148 59.8 52.2 78.2



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: 1.267 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016654.D

Acq: 25 Sep 2020 14:40

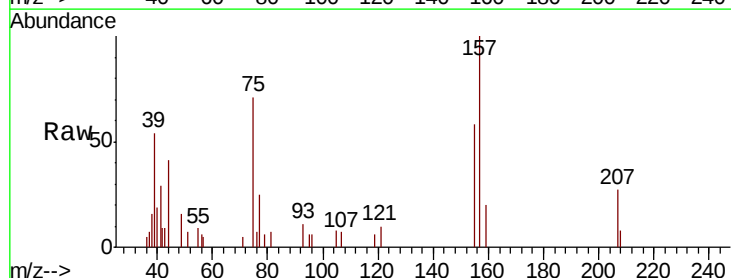
Tgt Ion: 75 Resp: 1305

Ion Ratio Lower Upper

75 100

155 81.7 76.6 115.0

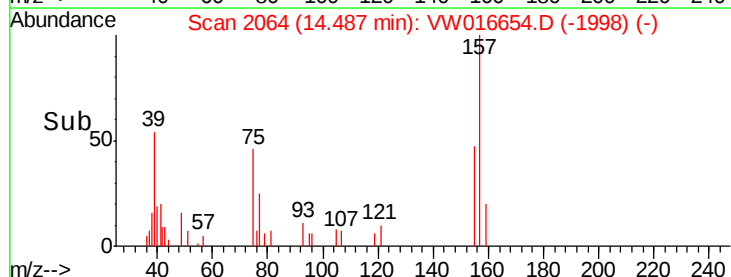
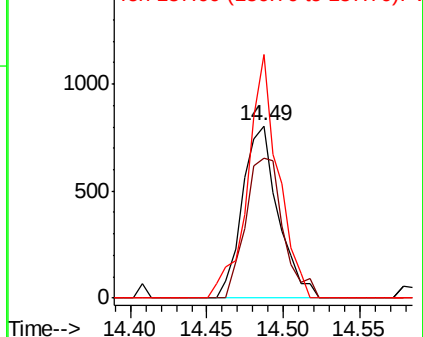
157 141.6 92.0 138.0#

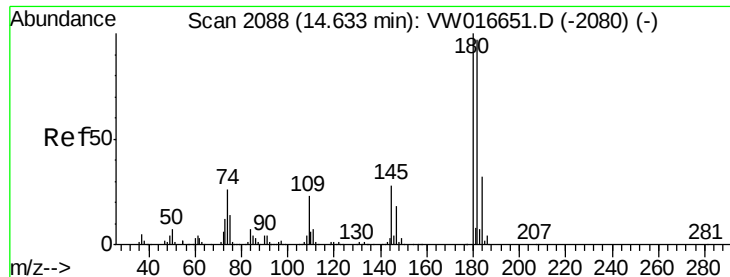


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

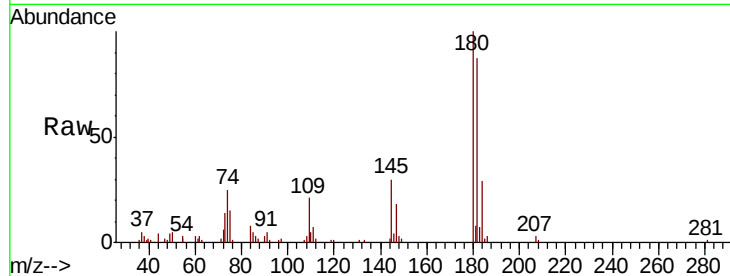




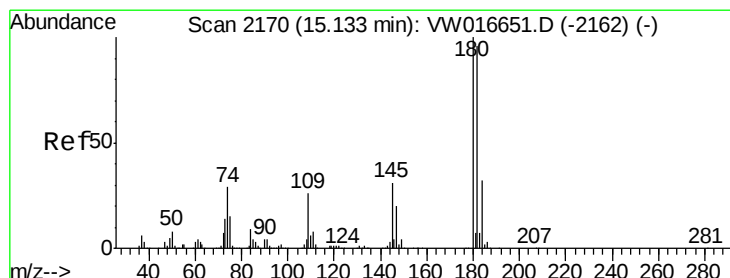
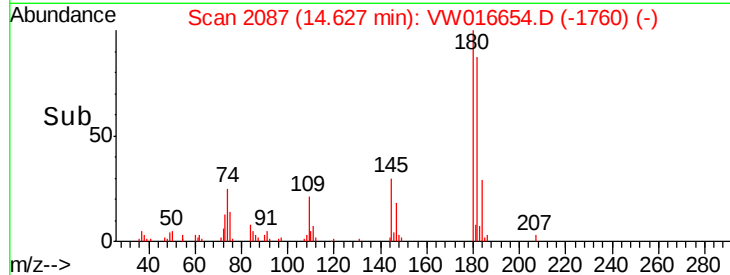
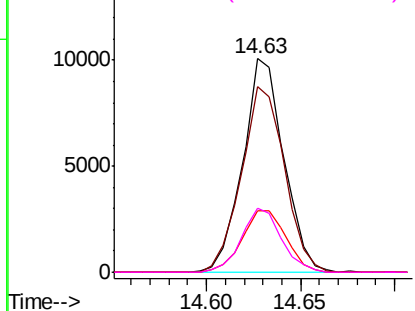
#69
 1,3,5-Trichlorobenzene
 Concen: 1.156 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-06

Tot Ion:180	Resp:	15202
Ion Ratio	Lower	Upper
180	100	
182	91.4	79.0 118.4
184	31.0	24.6 36.8
145	29.2	23.2 34.8

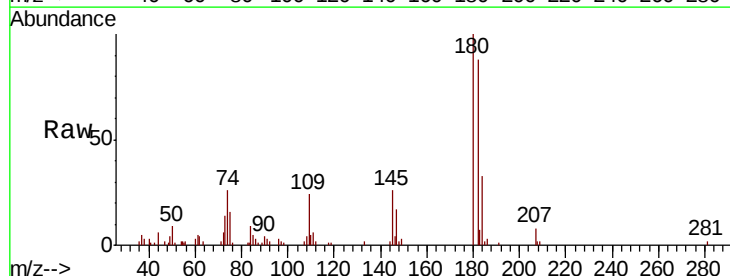


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

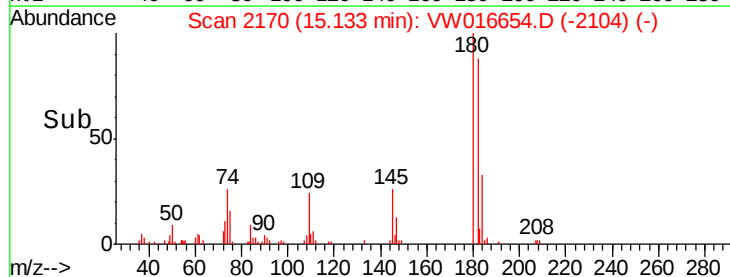
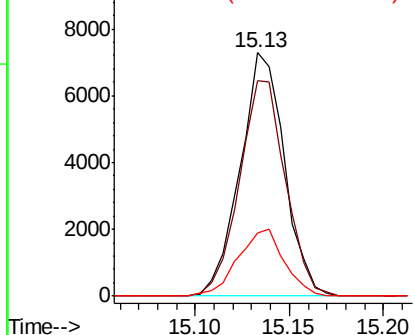


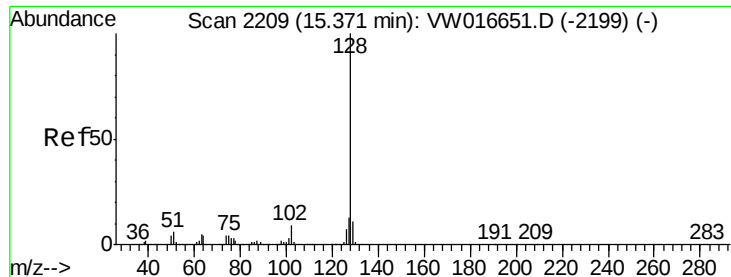
#70
 1,2,4-trichlorobenzene
 Concen: 1.117 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016654.D
 Acq: 25 Sep 2020 14:40

Tgt Ion:180	Resp:	11866
Ion Ratio	Lower	Upper
180	100	
182	91.8	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

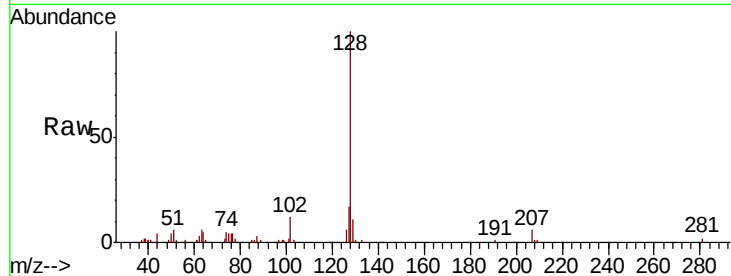




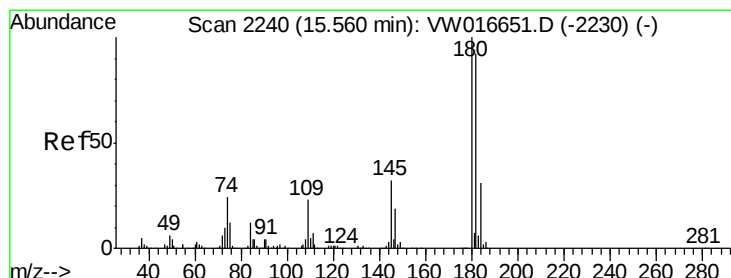
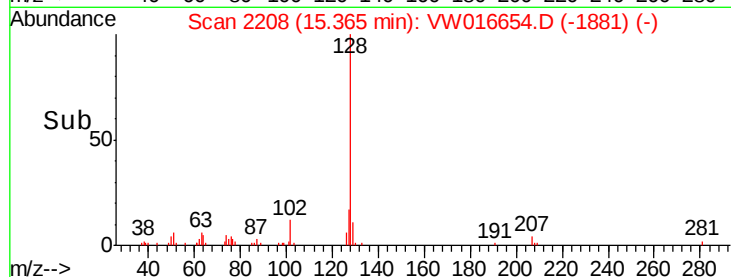
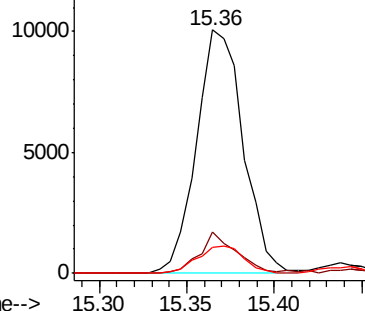
#71
Naphthalene
Concen: 1.050 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-06

Tot Ion:128 Resp: 18724
Ion Ratio Lower Upper
128 100
127 13.2 10.6 16.0
129 11.1 9.0 13.4

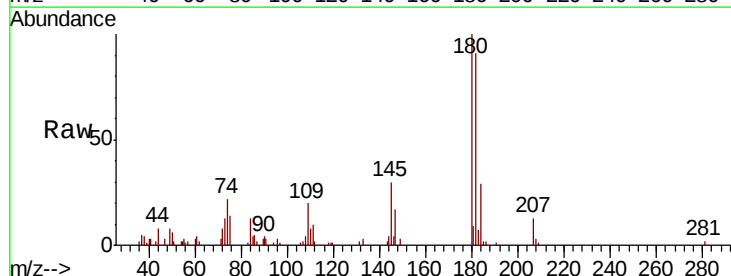


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.145 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW016654.D
Acq: 25 Sep 2020 14:40

Tgt Ion:180 Resp: 10212
Ion Ratio Lower Upper
180 100
182 91.5 75.5 113.3
145 31.4 24.3 36.5



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

