

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW092220\
 Data File : VW016601.D
 Acq On : 21 Sep 2020 17:16
 Operator : SY/VA
 Sample : L4485-05
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

Quant Time: Sep 22 03:20:01 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM091820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Sep 22 02:54:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.85	114	561563	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	499019	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	250207	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.37	65	142366	22.70	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.80%
7) Chloroethane-d5	2.90	69	116498	22.62	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	90.48%
11) 1,1-Dichloroethene-d2	4.03	63	216506	16.36	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	65.44%
21) 2-Butanone-d5	7.09	46	78789	55.54	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	111.08%
24) Chloroform-d	7.65	84	304649	23.03	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	92.12%
26) 1,2-Dichloroethane-d4	8.31	65	166118	24.59	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	98.36%
32) Benzene-d6	8.28	84	584241	22.92	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	91.68%
36) 1,2-Dichloropropane-d6	9.28	67	164456	23.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	93.84%
41) Toluene-d8	10.33	98	565880	22.76	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	91.04%
43) trans-1,3-Dichloropropene-	10.58	79	79699	23.44	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	93.76%
47) 2-Hexanone-d5	10.93	63	63182	57.28	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	114.56%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	146281	26.81	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	107.24%
66) 1,2-Dichlorobenzene-d4	13.85	152	216374	23.88	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.52%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.03	85	7619	1.125 ug/L	91
3) Chloromethane	2.23	50	6644	1.238 ug/L	96
5) Vinyl chloride	2.37	62	10030	1.304 ug/L #	61
6) Bromomethane	2.79	94	7360	1.246 ug/L	97
8) Chloroethane	2.94	64	5574	1.219 ug/L	96
9) Trichlorofluoromethane	3.27	101	7579	1.039 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	4.08	101	10213m	1.410 ug/L	
12) 1,1-Dichloroethene	4.05	96	10326m	1.426 ug/L	
13) Acetone	4.15	43	3996	4.176 ug/L	66
14) Carbon disulfide	4.40	76	24365	1.133 ug/L	99
15) Methyl Acetate	4.70	43	3437	1.463 ug/L #	68
16) Methylene chloride	4.93	84	23238	2.824 ug/L	90
17) trans-1,2-Dichloroethene	5.44	96	8692	1.157 ug/L	94
18) Methyl tert-butyl Ether	5.45	73	12156m	1.317 ug/L	
19) 1,1-Dichloroethane	6.23	63	14340	1.205 ug/L	92
20) cis-1,2-Dichloroethene	7.17	96	9170	1.174 ug/L	91
22) 2-Butanone	7.18	43	6860m	4.216 ug/L	

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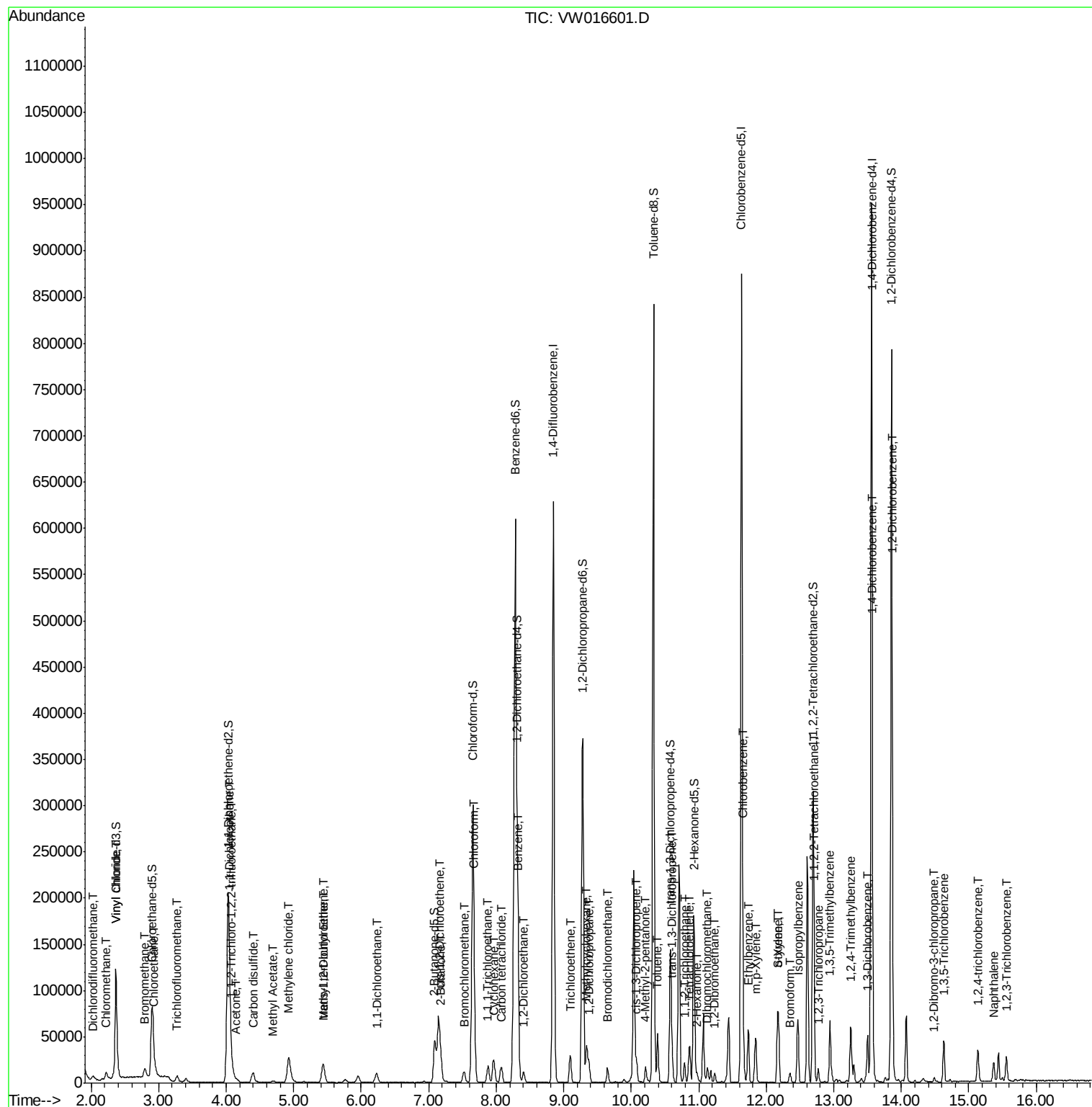
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	7.52	128	4652	1.267	ug/L	91
25) Chloroform	7.68	83	16557	1.271	ug/L	97
27) 1,2-Dichloroethane	8.41	62	10651	1.317	ug/L #	90
29) Cyclohexane	7.97	56	12801	1.149	ug/L	99
30) 1,1,1-Trichloroethane	7.88	97	14157	1.191	ug/L	98
31) Carbon tetrachloride	8.08	117	13132	1.134	ug/L	96
33) Benzene	8.33	78	34628	1.253	ug/L	100
34) Trichloroethene	9.10	95	9558	1.205	ug/L	94
35) Methylcyclohexane	9.34	83	15739	1.188	ug/L	97
37) 1,2-Dichloropropane	9.37	63	7494	1.189	ug/L #	93
38) Bromodichloromethane	9.65	83	11040	1.181	ug/L	97
39) cis-1,3-Dichloropropene	10.08	75	12509	1.163	ug/L	97
40) 4-Methyl-2-pentanone	10.21	43	10446	2.958	ug/L	97
42) Toluene	10.39	91	37640	1.209	ug/L	98
44) trans-1,3-Dichloropropene	10.60	75	10125m	1.097	ug/L	
45) 1,1,2-Trichloroethane	10.79	97	6381	1.246	ug/L	95
46) Tetrachloroethene	10.87	164	8500	1.188	ug/L	93
48) 2-Hexanone	10.97	43	5747	2.617	ug/L	94
49) Dibromochloromethane	11.13	129	7950	1.183	ug/L	99
50) 1,2-Dibromoethane	11.24	107	6733	1.328	ug/L #	97
51) Chlorobenzene	11.66	112	25382	1.229	ug/L	95
52) Ethylbenzene	11.73	91	40739	1.162	ug/L	100
53) m,p-Xylene	11.85	106	16334	1.196	ug/L	91
54) o-Xylene	12.16	106	14884	1.151	ug/L	100
55) Styrene	12.18	104	24370	1.132	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	7576	1.374	ug/L #	96
59) Bromoform	12.35	173	4688	1.161	ug/L	98
60) Isopropylbenzene	12.46	105	42060	1.151	ug/L	97
61) 1,2,3-Trichloropropane	12.77	75	5657	1.372	ug/L	98
62) 1,3,5-Trimethylbenzene	12.94	105	33507	1.115	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	33832	1.132	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	19937	1.189	ug/L	98
65) 1,4-Dichlorobenzene	13.58	146	20381	1.240	ug/L	96
67) 1,2-Dichlorobenzene	13.87	146	18379	1.239	ug/L	95
68) 1,2-Dibromo-3-chloropropan	14.49	75	1423	1.468	ug/L	84
69) 1,3,5-Trichlorobenzene	14.63	180	14258	1.152	ug/L	98
70) 1,2,4-trichlorobenzene	15.13	180	11234	1.124	ug/L	96
71) Naphthalene	15.37	128	17750	1.058	ug/L	99
72) 1,2,3-Trichlorobenzene	15.56	180	9831	1.172	ug/L	99

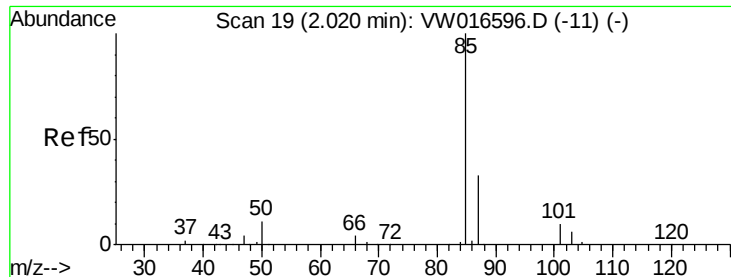
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#2

Dichlorodifluoromethane

Concen: 1.125 ug/L

RT: 2.03 min Scan# 20

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

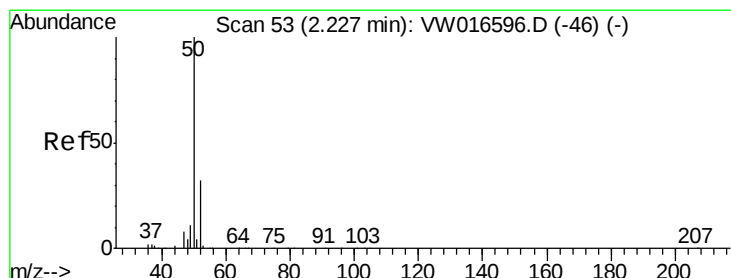
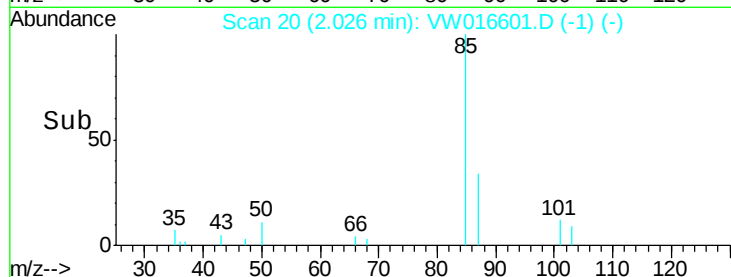
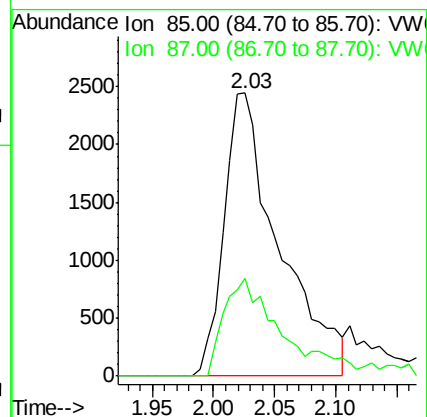
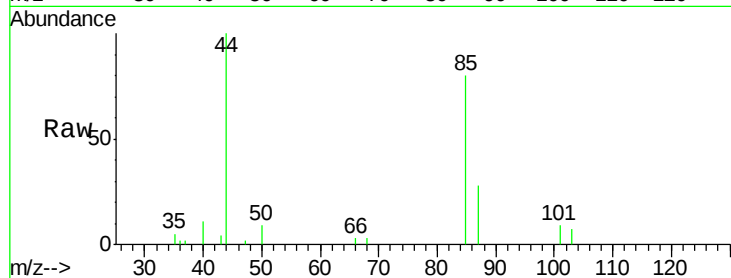
MDL-SOIL-05

Tot Ion: 85 Resp: 7619

Ion Ratio Lower Upper

85 100

87 31.1 21.4 32.0



#3

Chloromethane

Concen: 1.238 ug/L

RT: 2.23 min Scan# 53

Delta R.T. 0.00 min

Lab File: VW016601.D

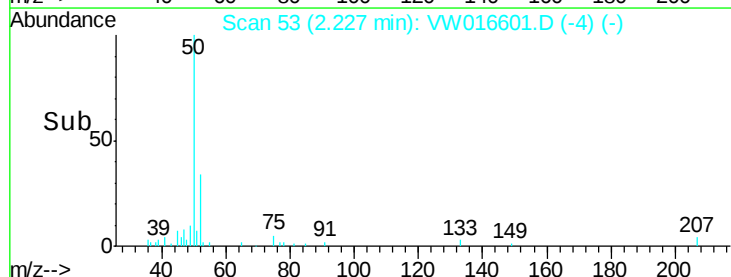
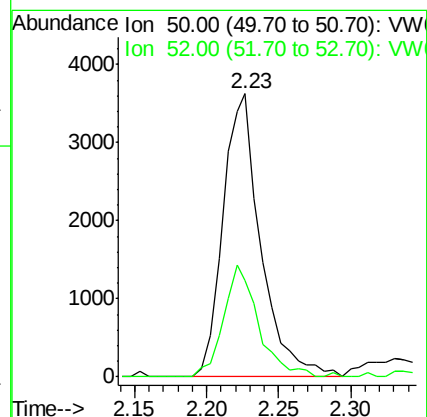
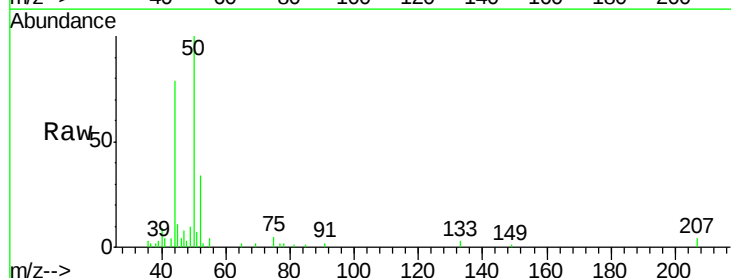
Acq: 21 Sep 2020 17:16

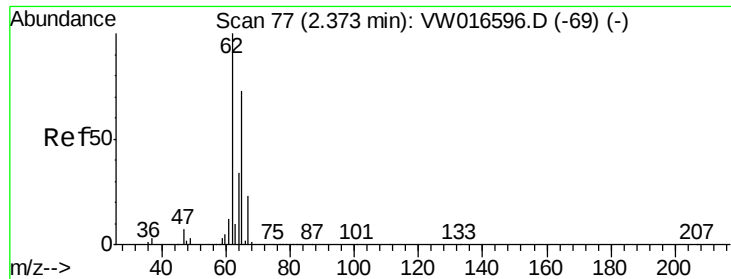
Tgt Ion: 50 Resp: 6644

Ion Ratio Lower Upper

50 100

52 34.1 22.1 41.1





#5

Vinyl chloride

Concen: 1.304 ug/L

RT: 2.37 min Scan# 77

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleID :

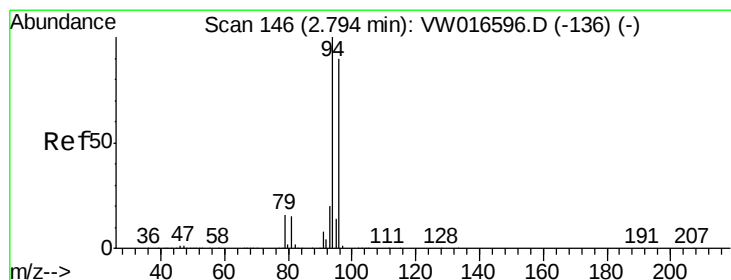
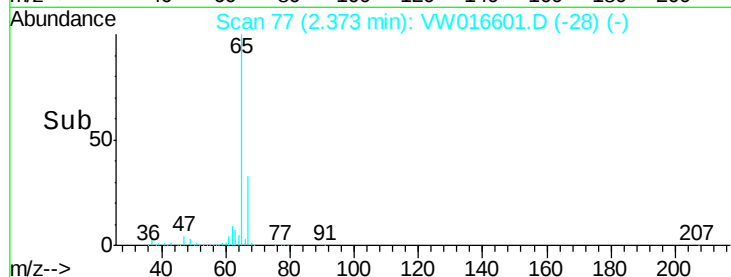
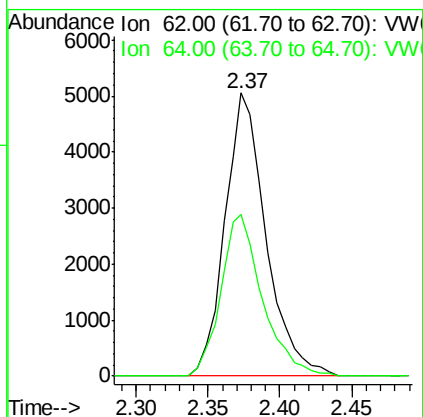
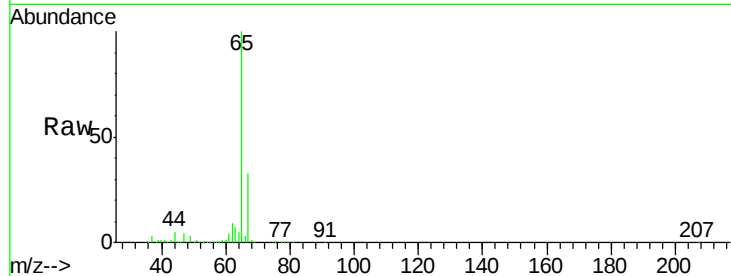
MDL-SOIL-05

Tot Ion: 62 Resp: 10030

Ion Ratio Lower Upper

62 100

64 57.0 24.1 44.7#



#6

Bromomethane

Concen: 1.246 ug/L

RT: 2.79 min Scan# 146

Delta R.T. 0.00 min

Lab File: VW016601.D

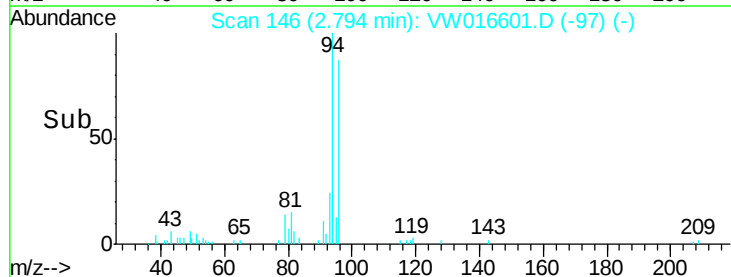
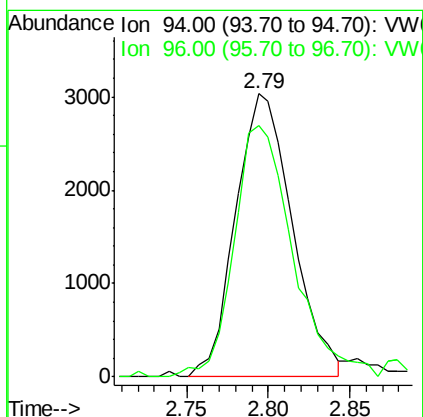
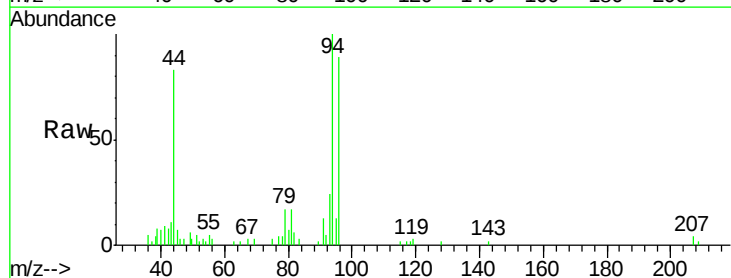
Acq: 21 Sep 2020 17:16

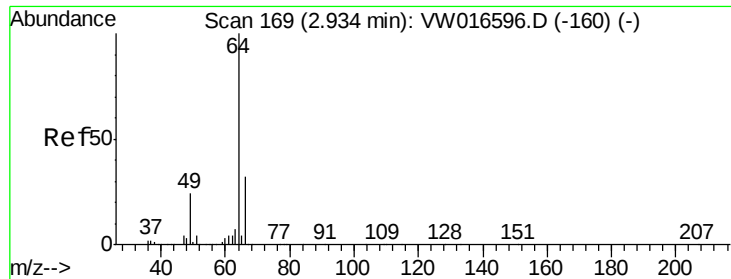
Tgt Ion: 94 Resp: 7360

Ion Ratio Lower Upper

94 100

96 89.0 64.2 119.2





#8

Chloroethane

Concen: 1.219 ug/L

RT: 2.94 min Scan# 170

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

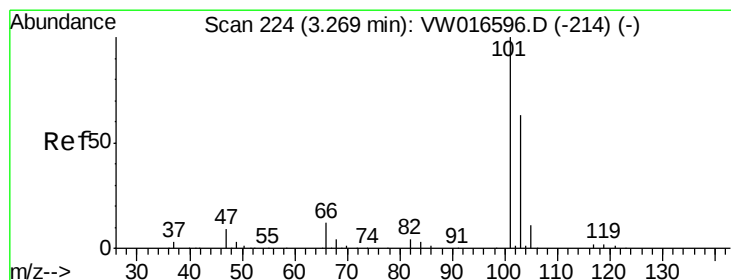
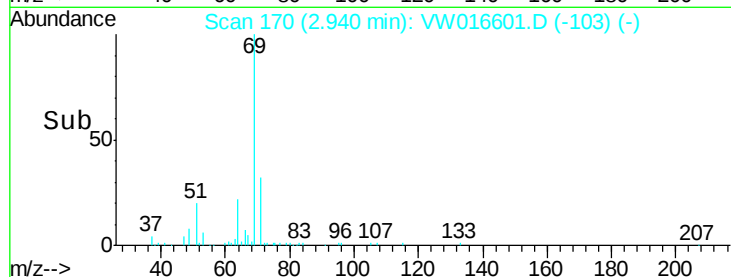
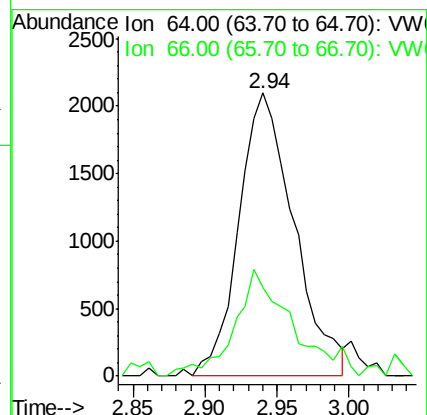
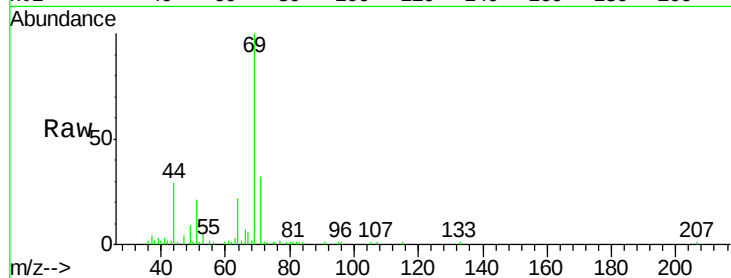
MDL-SOIL-05

Tot Ion: 64 Resp: 5574

Ion Ratio Lower Upper

64 100

66 31.2 23.5 43.7



#9

Trichlorofluoromethane

Concen: 1.039 ug/L

RT: 3.27 min Scan# 224

Delta R.T. 0.00 min

Lab File: VW016601.D

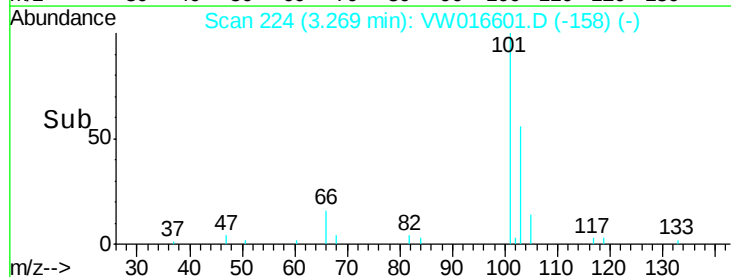
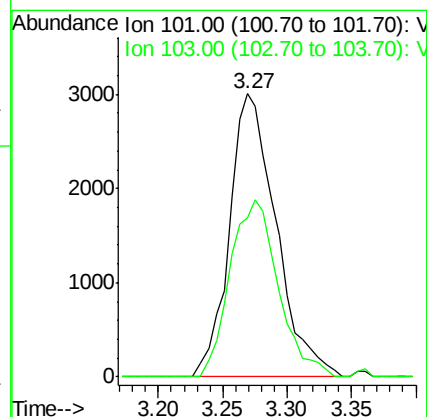
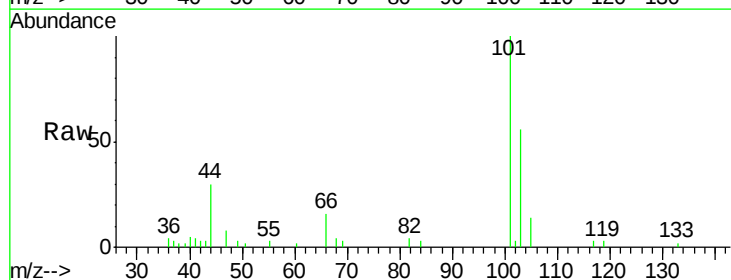
Acq: 21 Sep 2020 17:16

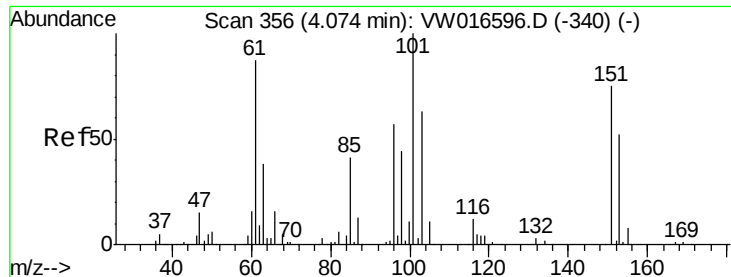
Tgt Ion: 101 Resp: 7579

Ion Ratio Lower Upper

101 100

103 63.4 51.8 77.8





#10

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

Concen: 1.410 ug/L m

RT: 4.08 min Scan# 357

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

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ClientSampleId :

MDL-SOIL-05

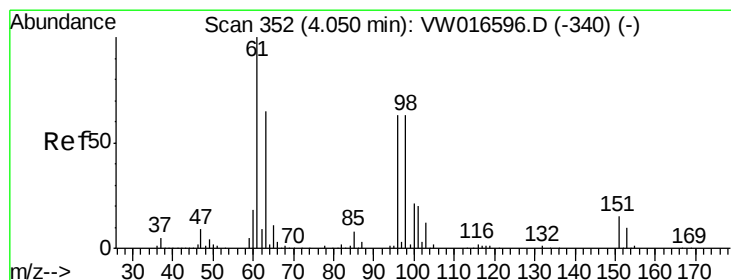
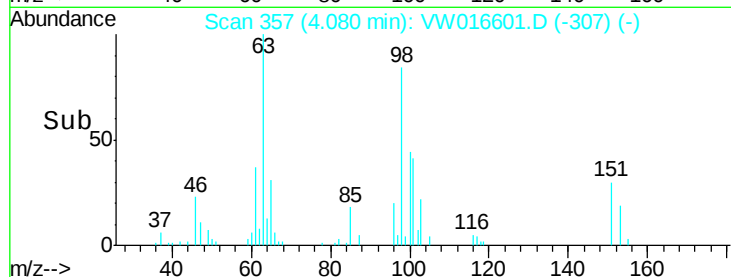
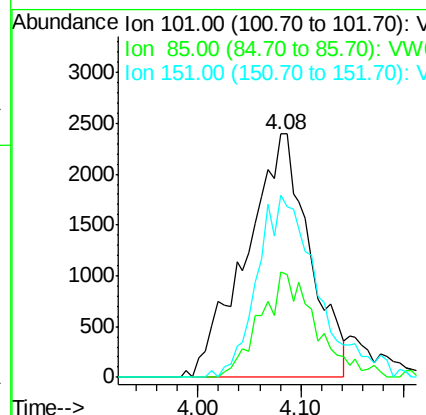
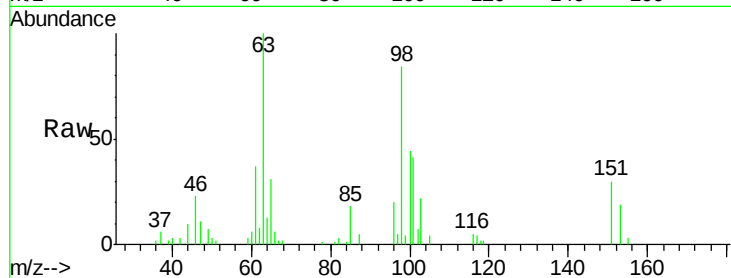
Tot Ion:101 Resp: 10213

Ion Ratio Lower Upper

101 100

85 3.7 32.2 48.2#

151 66.9 66.8 100.2



#12

1,1-Dichloroethene

Concen: 1.426 ug/L m

RT: 4.05 min Scan# 352

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

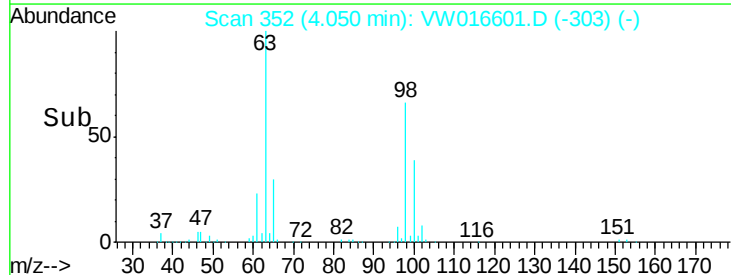
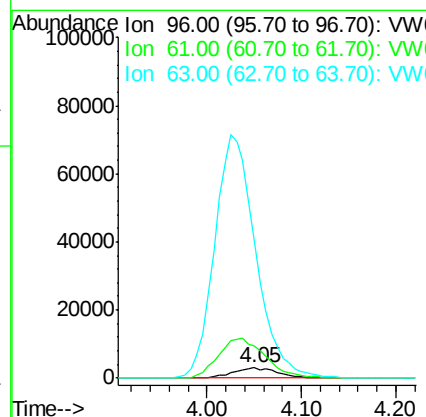
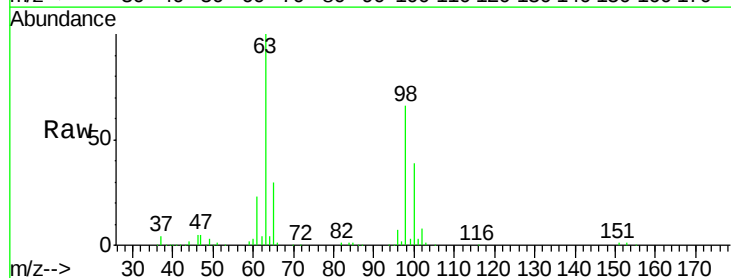
Tgt Ion: 96 Resp: 10326

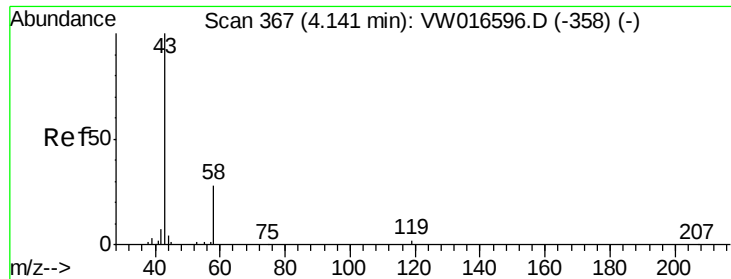
Ion Ratio Lower Upper

96 100

61 309.2 112.1 208.3#

63 1350.9 74.2 137.8#

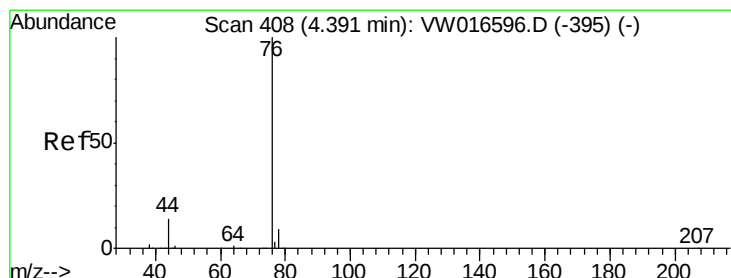
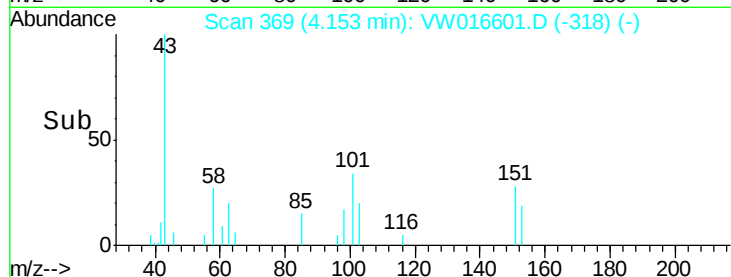
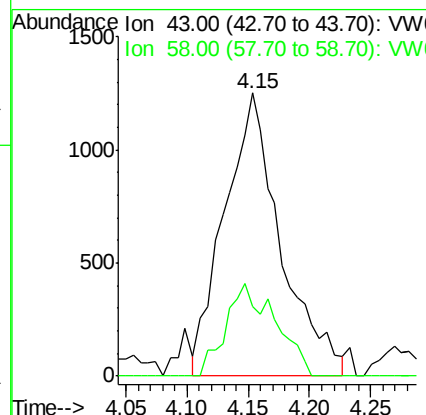
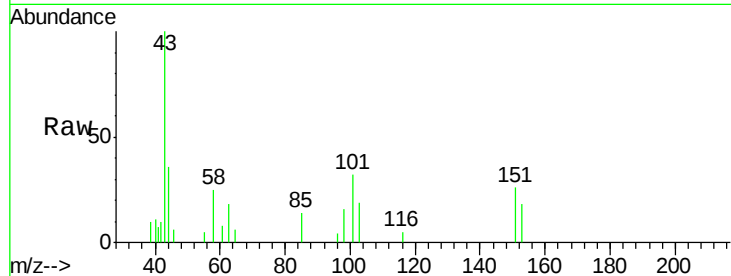




#13
Acetone
Concen: 4.176 ug/L
RT: 4.15 min Scan# 369
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

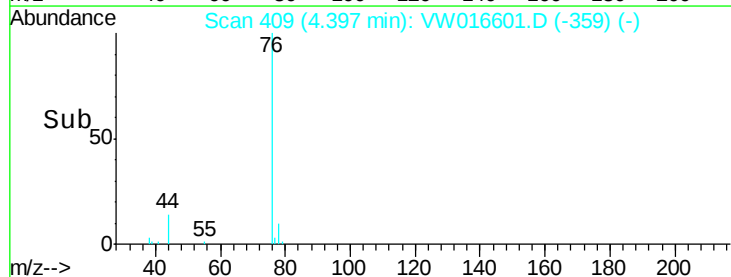
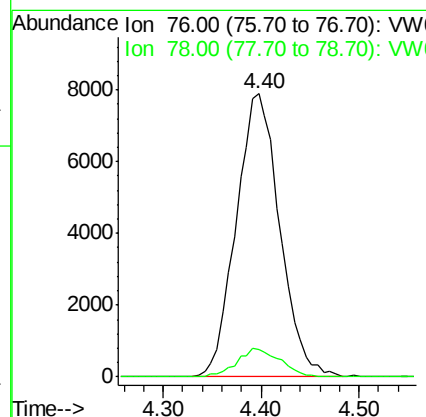
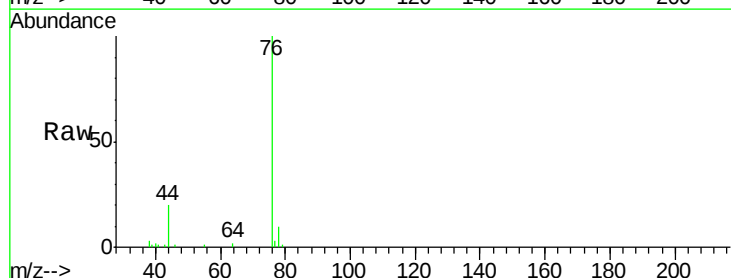
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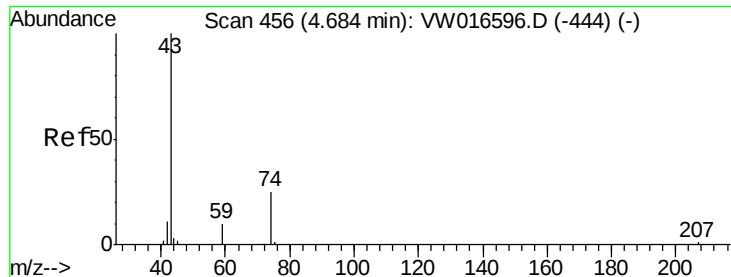
Tot Ion: 43 Resp: 3996
Ion Ratio Lower Upper
43 100
58 11.4 0.0 59.4



#14
Carbon disulfide
Concen: 1.133 ug/L
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion: 76 Resp: 24365
Ion Ratio Lower Upper
76 100
78 9.5 7.3 10.9

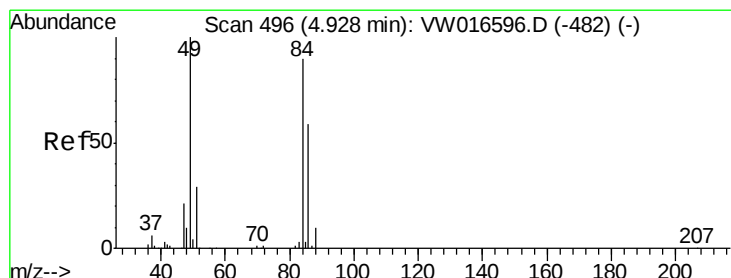
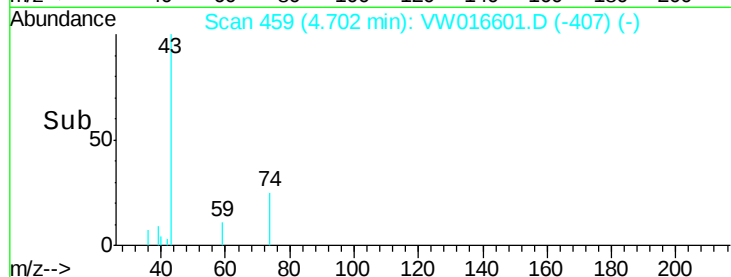
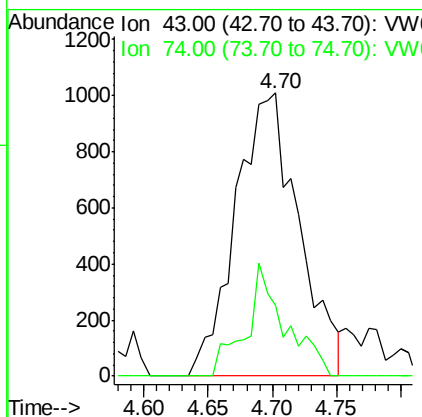
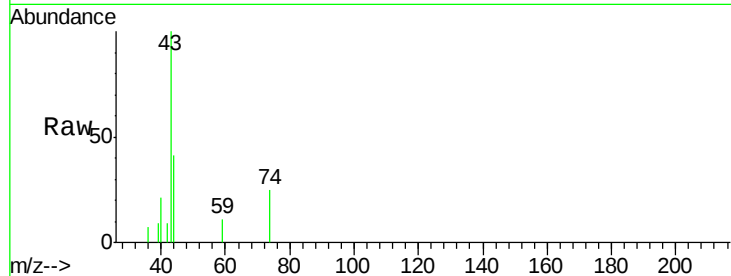




#15
Methyl Acetate
Concen: 1.463 ug/L
RT: 4.70 min Scan# 459
Delta R.T. 0.02 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

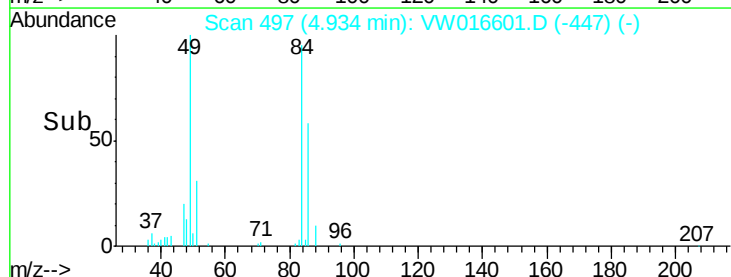
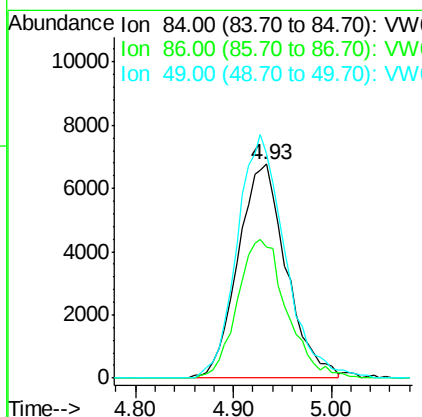
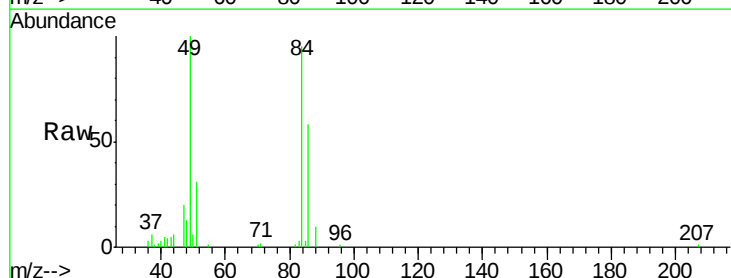
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-05

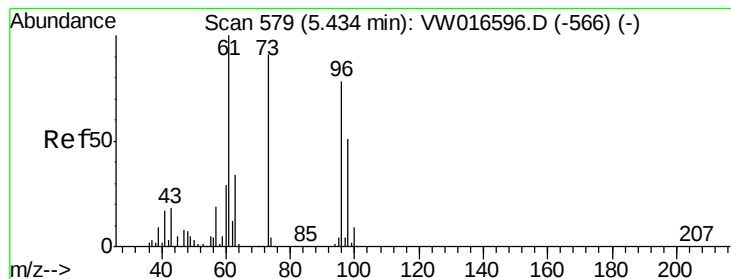
Tot Ion: 43 Resp: 3437
Ion Ratio Lower Upper
43 100
74 10.7 21.9 32.9#



#16
Methylene chloride
Concen: 2.824 ug/L
RT: 4.93 min Scan# 497
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion: 84 Resp: 23238
Ion Ratio Lower Upper
84 100
86 61.4 46.2 85.8
49 105.0 82.8 153.8





#17

trans-1,2-Dichloroethene

Concen: 1.157 ug/L

RT: 5.44 min Scan# 580

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-05

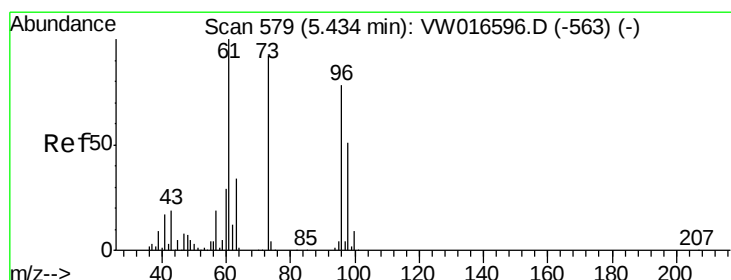
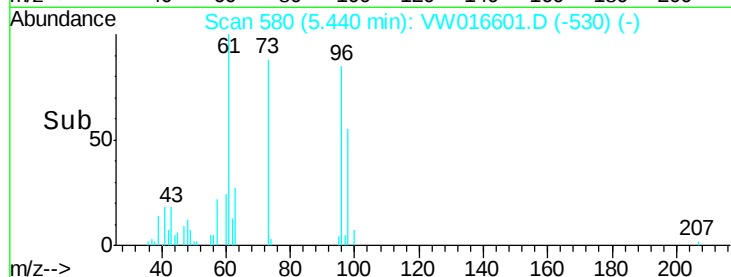
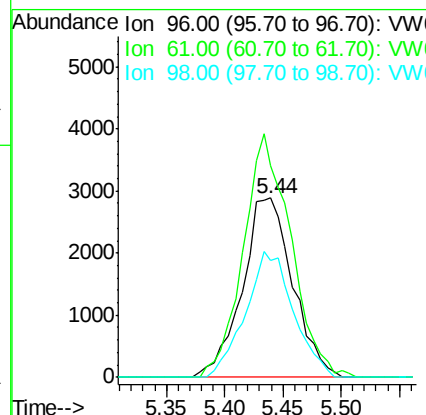
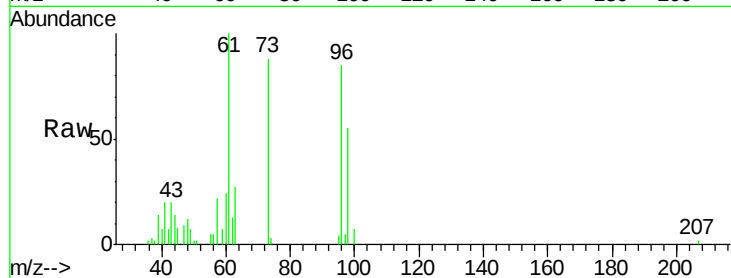
Tot Ion: 96 Resp: 8692

Ion Ratio Lower Upper

96 100

61 117.9 89.7 166.7

98 65.2 46.4 86.2



#18

Methyl tert-butyl Ether

Concen: 1.317 ug/L m

RT: 5.45 min Scan# 581

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

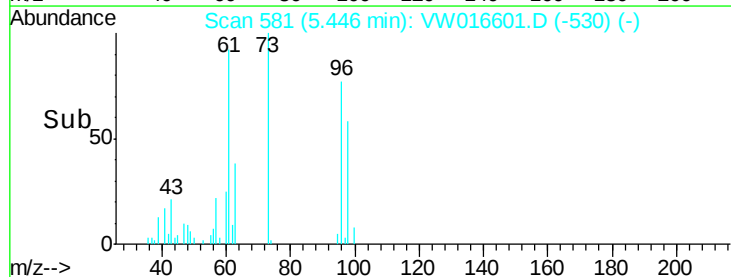
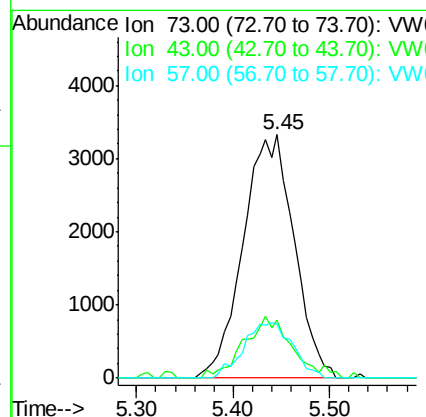
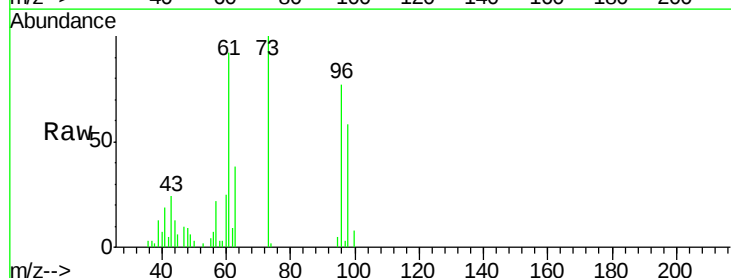
Tgt Ion: 73 Resp: 12156

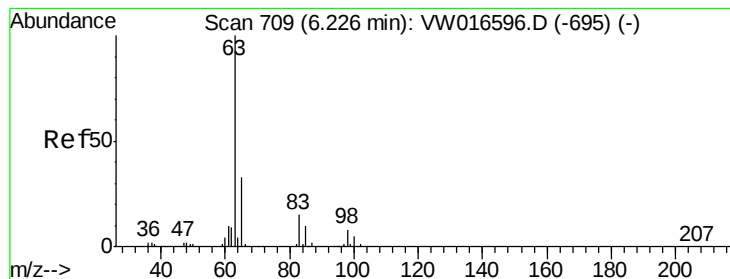
Ion Ratio Lower Upper

73 100

43 17.2 17.0 25.6

57 21.8 16.3 24.5





#19

1,1-Dichloroethane

Concen: 1.205 ug/L

RT: 6.23 min Scan# 709

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-05

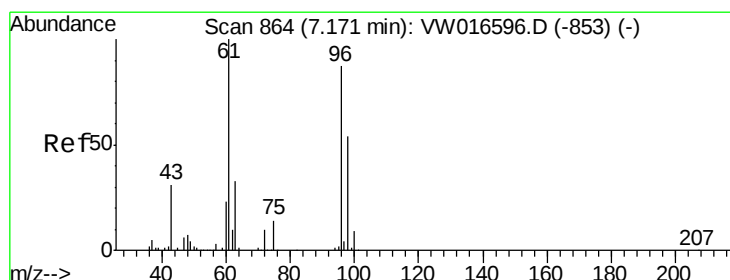
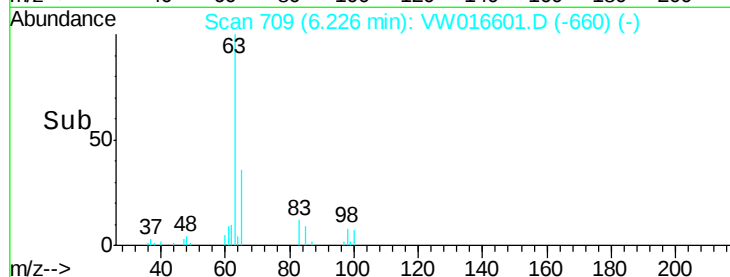
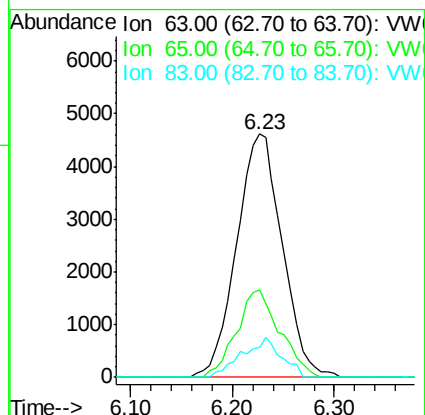
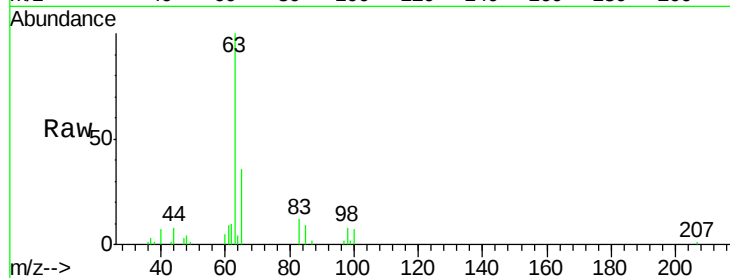
Tot Ion: 63 Resp: 14340

Ion Ratio Lower Upper

63 100

65 35.9 21.8 40.6

83 12.1 10.2 19.0



#20

cis-1,2-Dichloroethene

Concen: 1.174 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

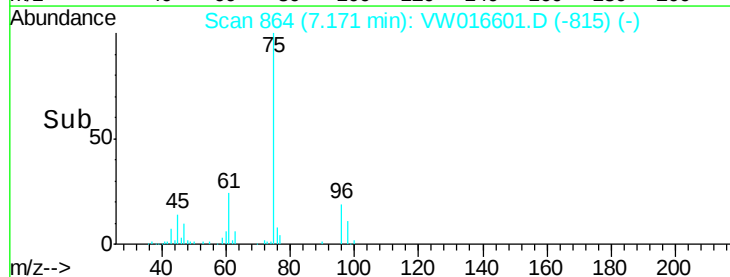
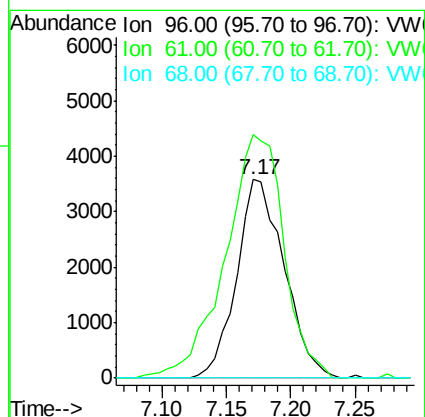
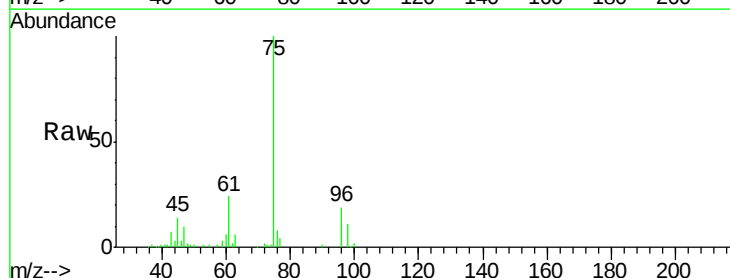
Tgt Ion: 96 Resp: 9170

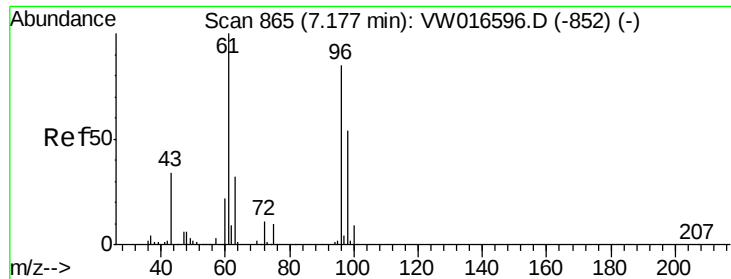
Ion Ratio Lower Upper

96 100

61 122.9 79.2 147.0

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.216 ug/L m

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

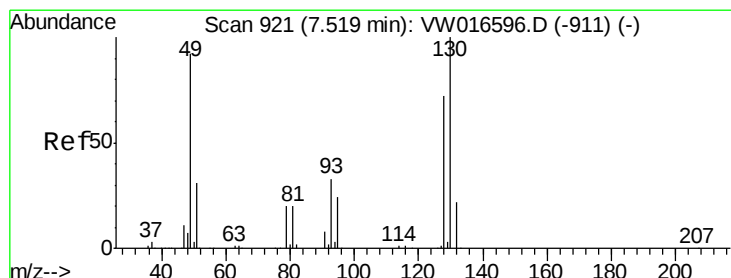
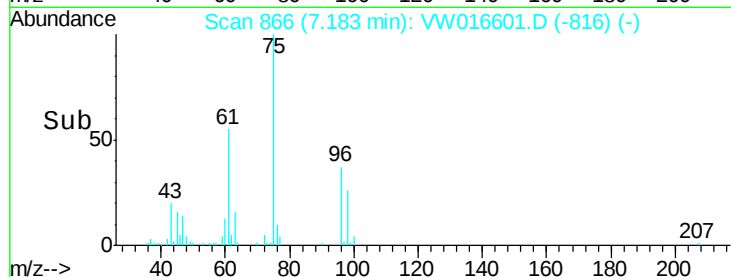
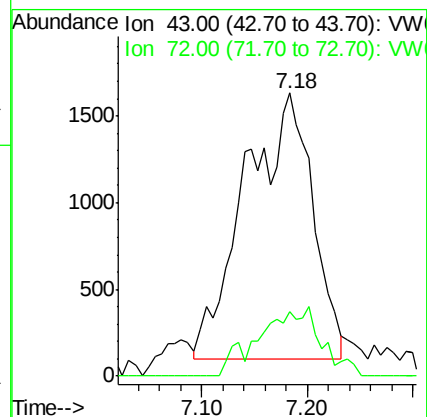
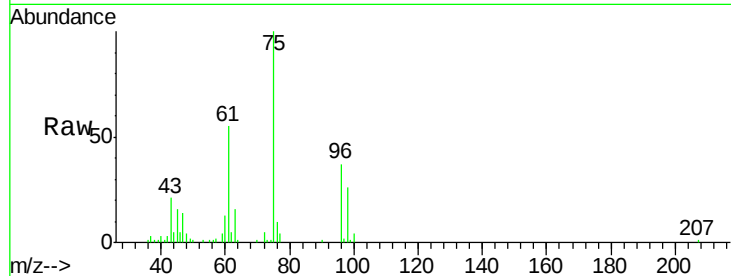
MDL-SOIL-05

Tot Ion: 43 Resp: 6860

Ion Ratio Lower Upper

43 100

72 8.5 15.7 47.0#



#23

Bromochloromethane

Concen: 1.267 ug/L

RT: 7.52 min Scan# 922

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Tgt Ion: 128 Resp: 4652

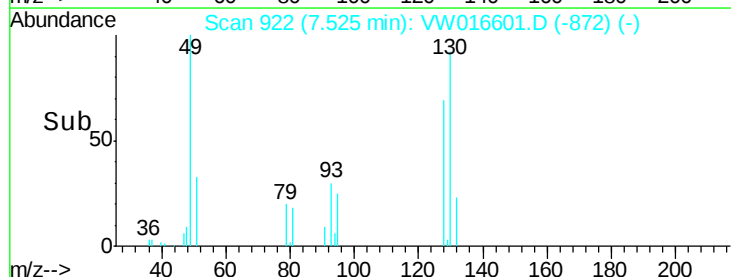
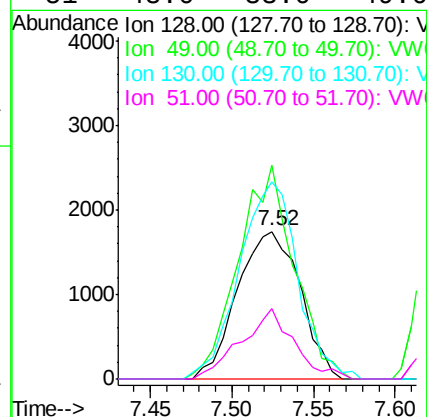
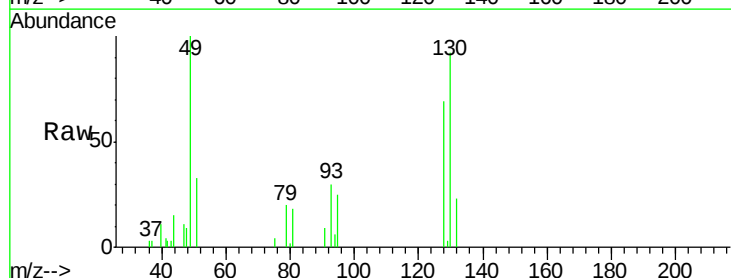
Ion Ratio Lower Upper

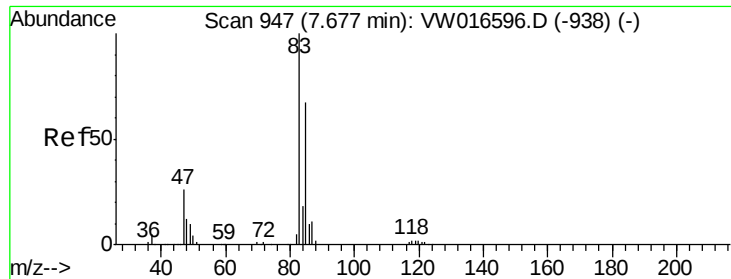
128 100

49 144.5 91.5 169.9

130 133.3 89.0 165.4

51 48.0 33.0 49.6

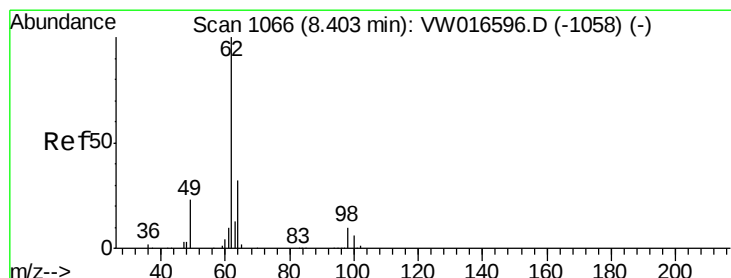
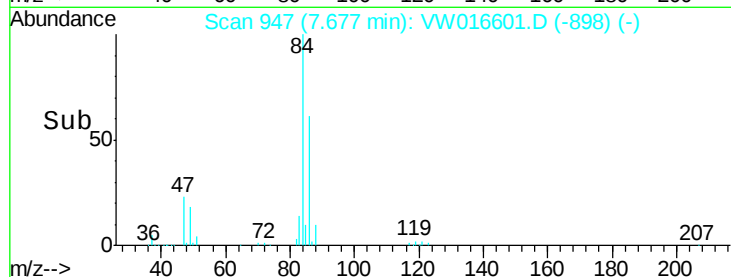
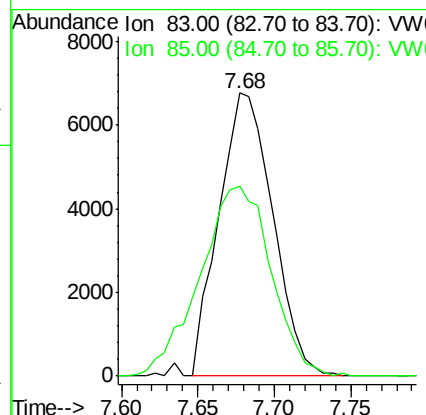
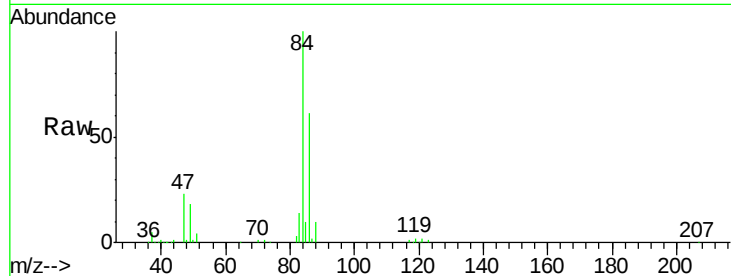




#25
Chloroform
Concen: 1.271 ug/L
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

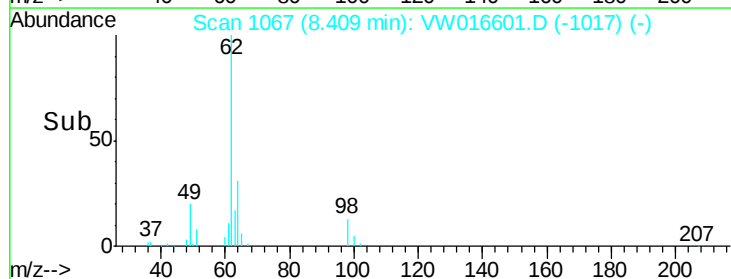
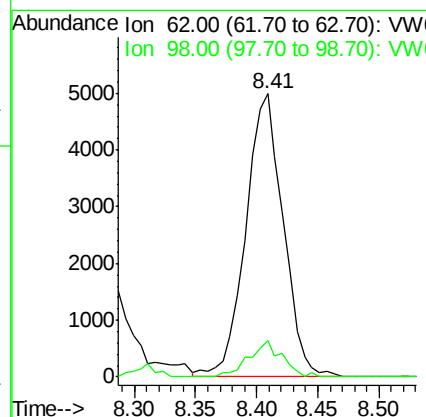
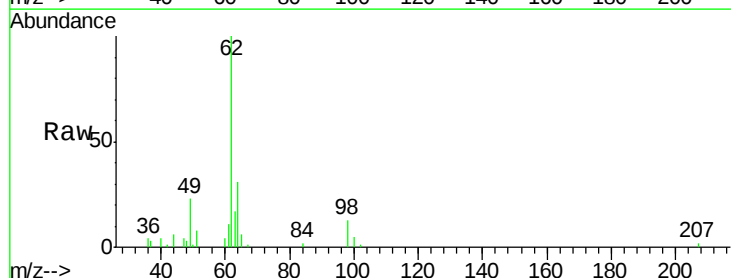
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-05

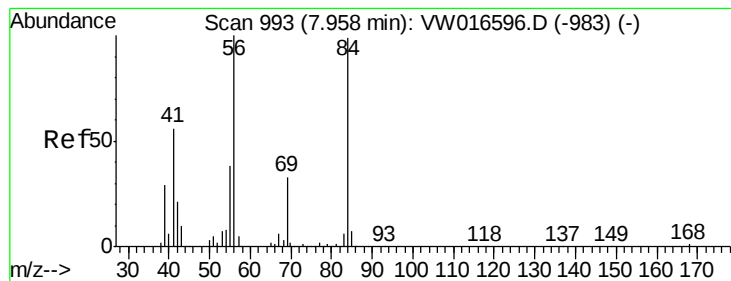
Tot Ion: 83 Resp: 16557
Ion Ratio Lower Upper
83 100
85 66.9 45.4 84.4



#27
1,2-Dichloroethane
Concen: 1.317 ug/L
RT: 8.41 min Scan# 1067
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion: 62 Resp: 10651
Ion Ratio Lower Upper
62 100
98 12.7 7.3 10.9#





#29

Cyclohexane

Concen: 1.149 ug/L

RT: 7.97 min Scan# 995

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-05

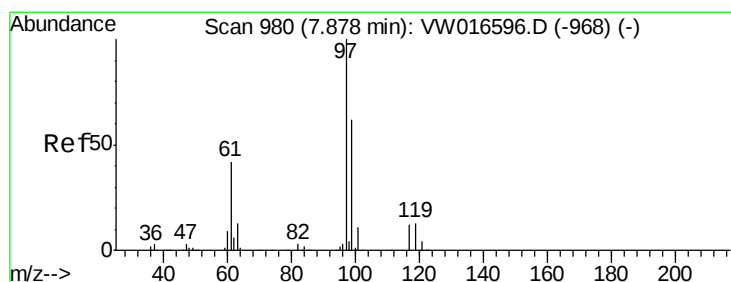
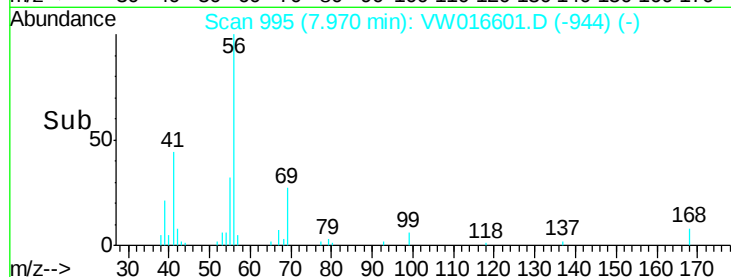
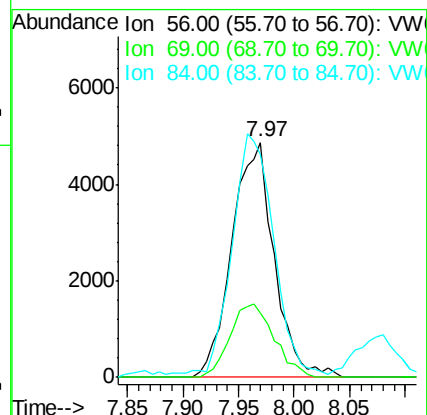
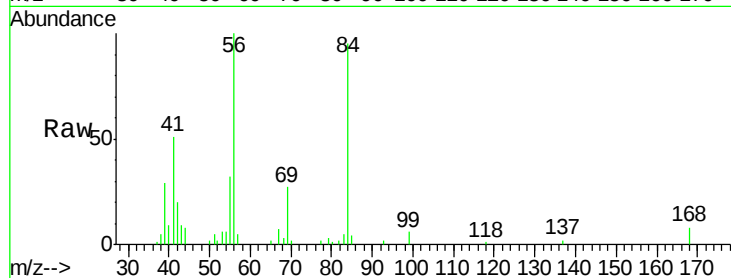
Tot Ion: 56 Resp: 12801

Ion Ratio Lower Upper

56 100

69 32.5 26.4 39.6

84 100.6 79.9 119.9



#30

1,1,1-Trichloroethane

Concen: 1.191 ug/L

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

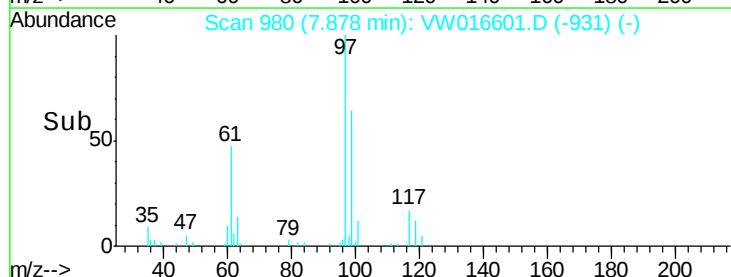
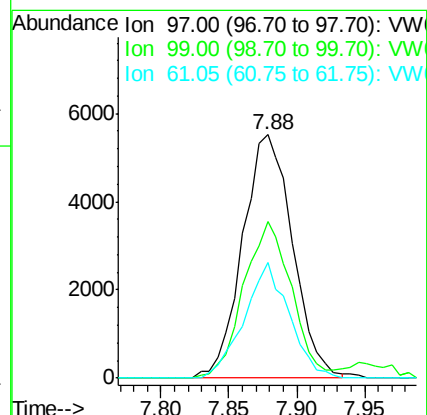
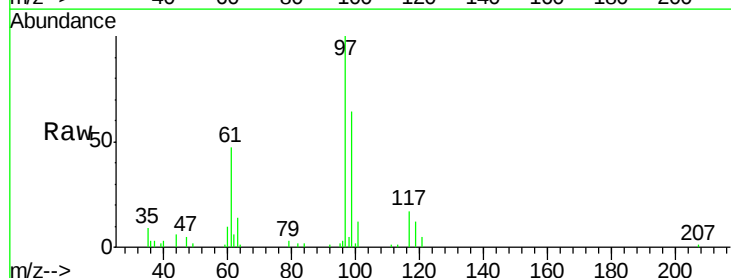
Tgt Ion: 97 Resp: 14157

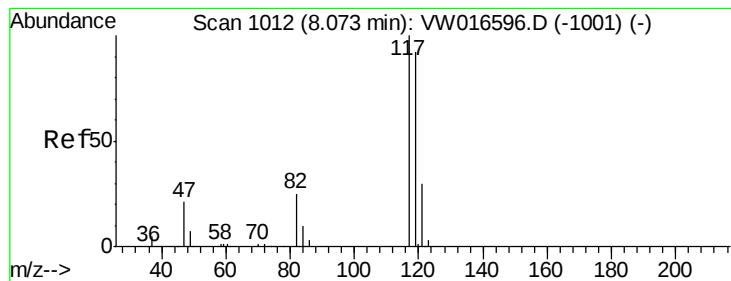
Ion Ratio Lower Upper

97 100

99 61.9 50.9 76.3

61 42.8 33.2 49.8





#31

Carbon tetrachloride

Concen: 1.134 ug/L

RT: 8.08 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

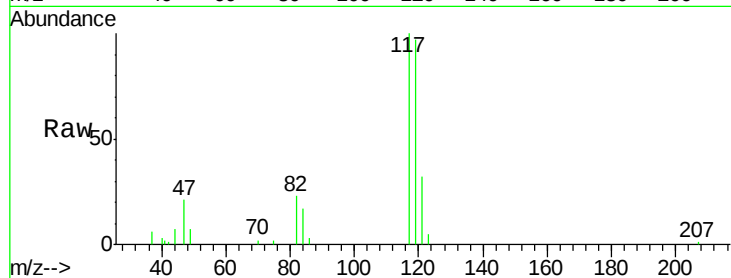
MDL-SOIL-05

Tot Ion:117 Resp: 13132

Ion Ratio Lower Upper

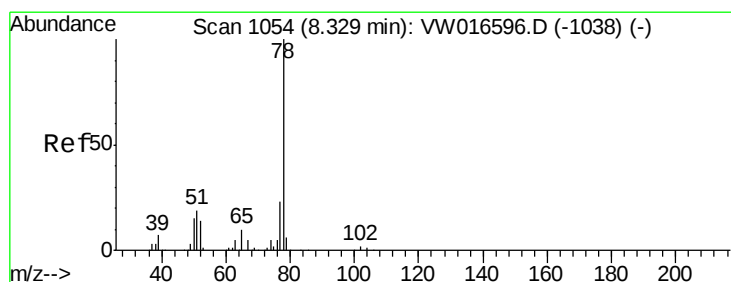
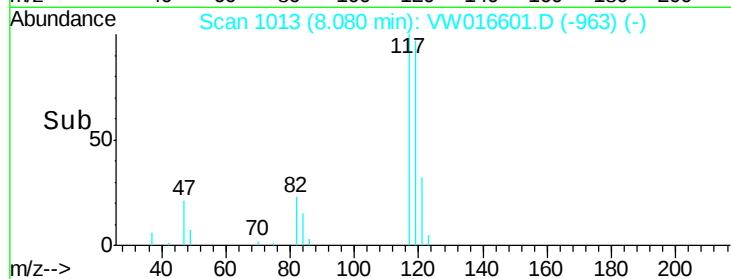
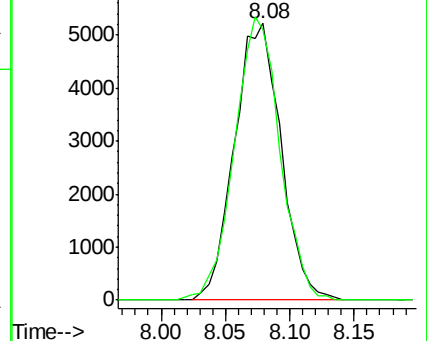
117 100

119 99.5 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: 1.253 ug/L

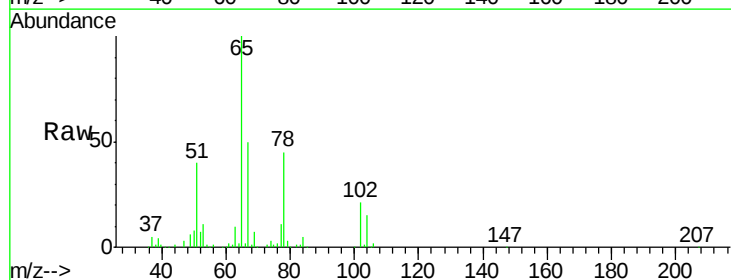
RT: 8.33 min Scan# 1054

Delta R.T. 0.00 min

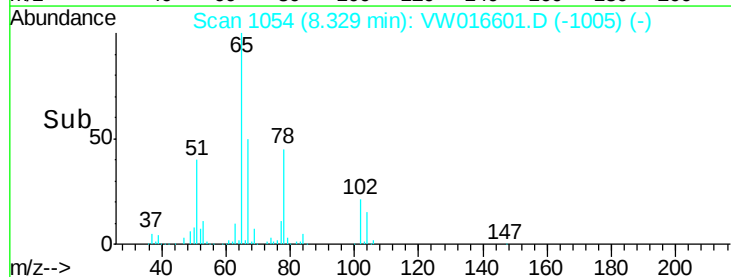
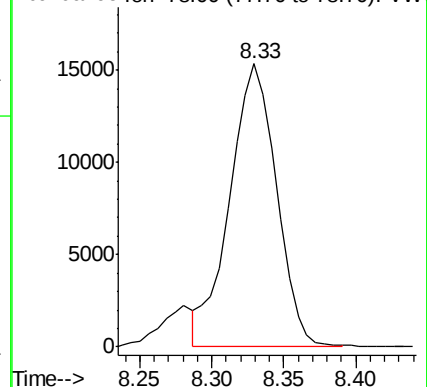
Lab File: VW016601.D

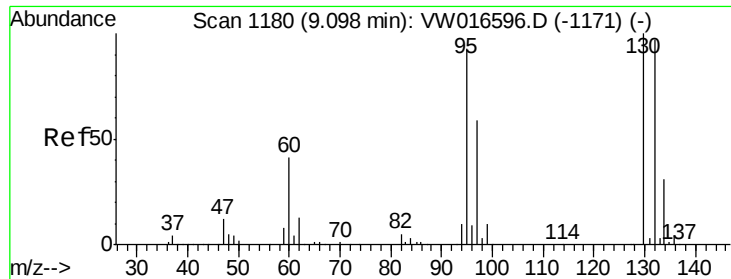
Acq: 21 Sep 2020 17:16

Tgt Ion: 78 Resp: 34628



Abundance Ion 78.00 (77.70 to 78.70): VW

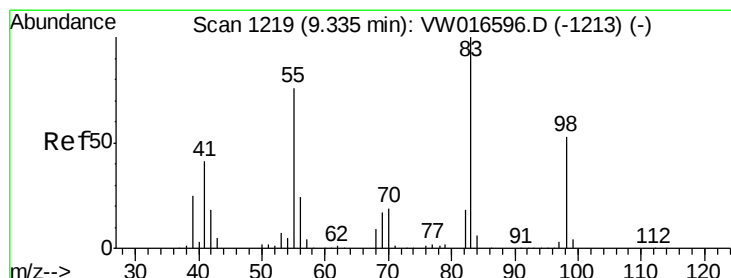
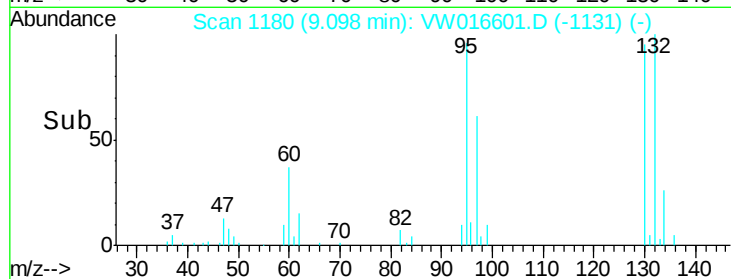
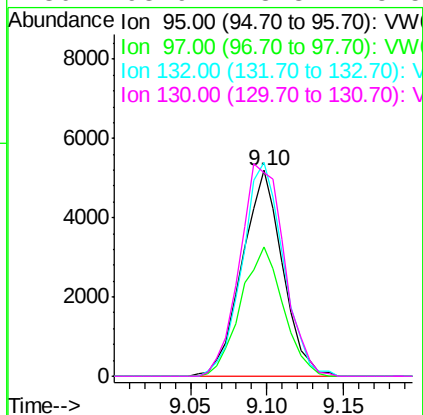
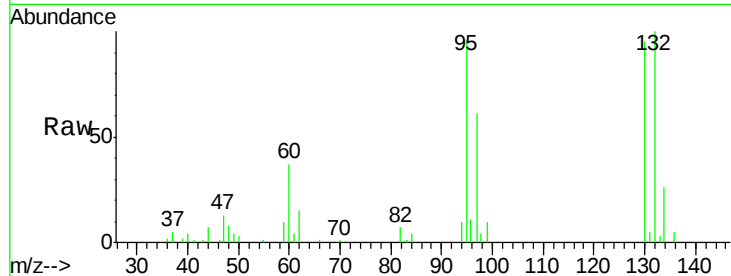




#34
 Trichloroethene
 Concen: 1.205 ug/L
 RT: 9.10 min Scan# 1180
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

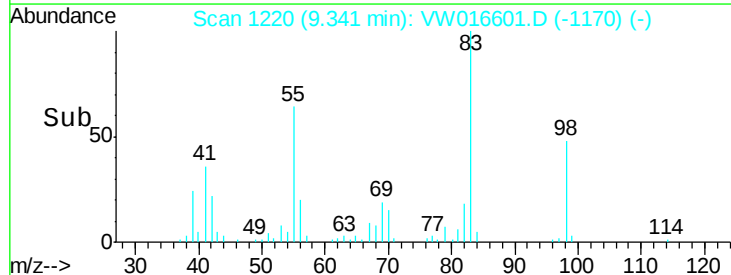
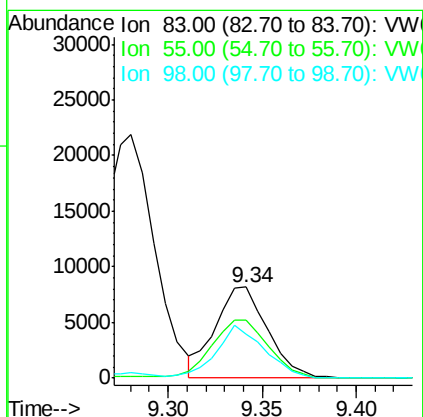
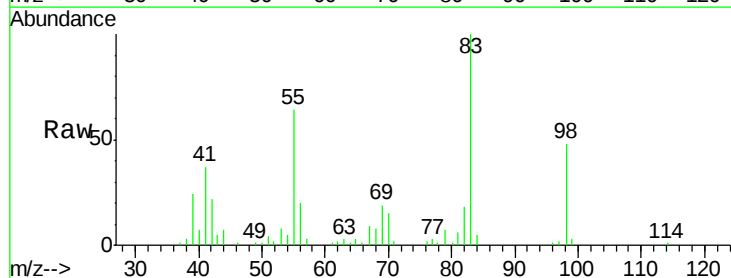
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

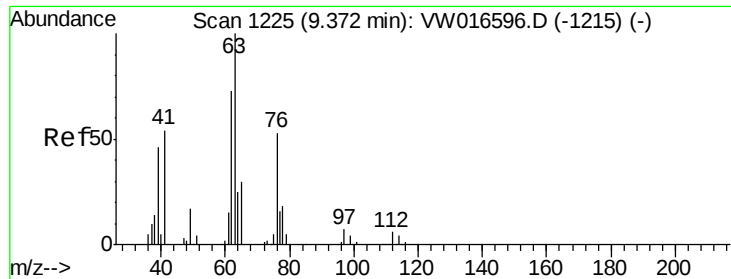
Tot Ion: 95 Resp: 9558
 Ion Ratio Lower Upper
 95 100
 97 62.7 45.1 83.9
 132 103.7 73.8 137.2
 130 98.9 78.3 145.5



#35
 Methylcyclohexane
 Concen: 1.188 ug/L
 RT: 9.34 min Scan# 1220
 Delta R.T. 0.01 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion: 83 Resp: 15739
 Ion Ratio Lower Upper
 83 100
 55 67.7 55.9 83.9
 98 54.1 41.5 62.3

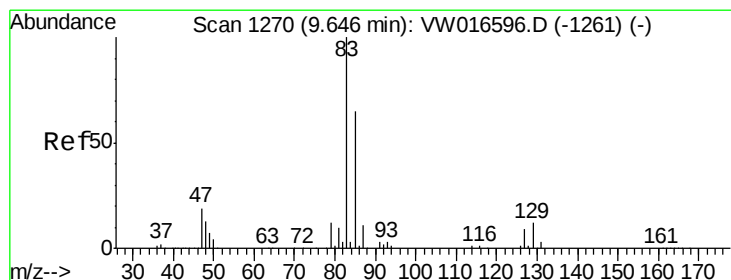
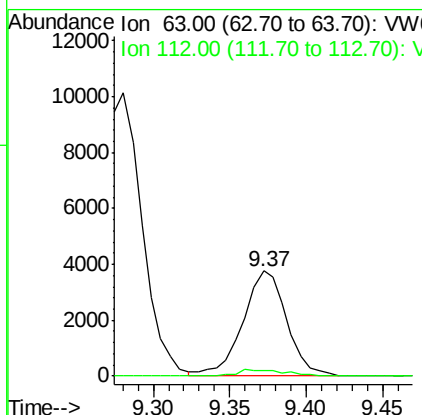
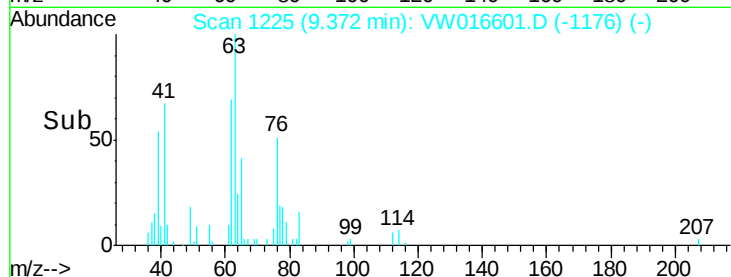
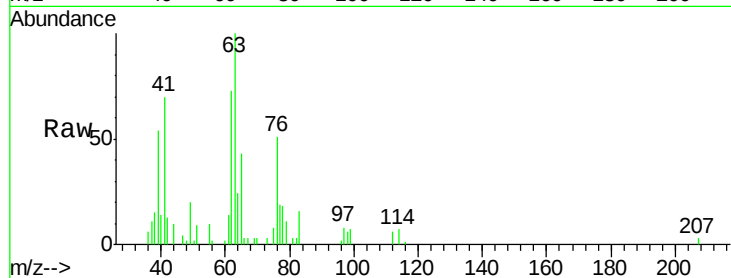




#37
 1,2-Dichloropropane
 Concen: 1.189 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

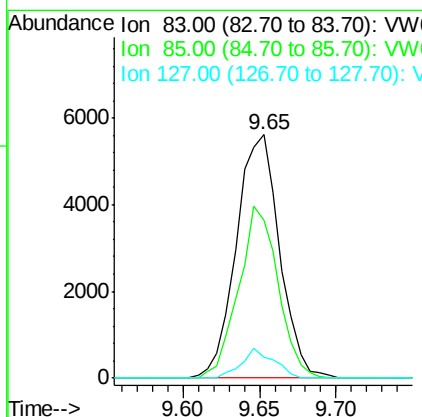
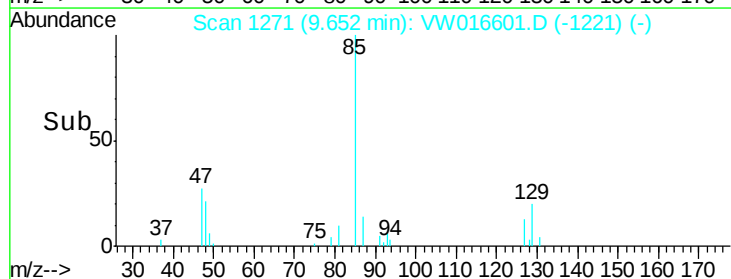
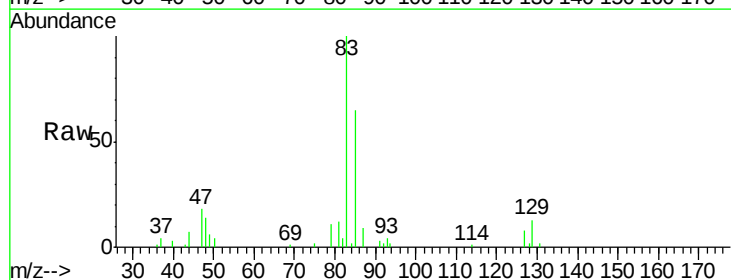
Instrument :
 MSVOA_W
 ClientSampled :
 MDL-SOIL-05

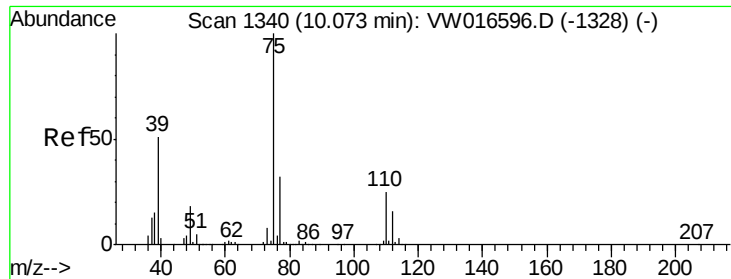
Tot Ion: 63 Resp: 7494
 Ion Ratio Lower Upper
 63 100
 112 2.8 4.2 6.4#



#38
 Bromodichloromethane
 Concen: 1.181 ug/L
 RT: 9.65 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion: 83 Resp: 11040
 Ion Ratio Lower Upper
 83 100
 85 64.6 43.7 81.1
 127 8.3 7.4 11.2

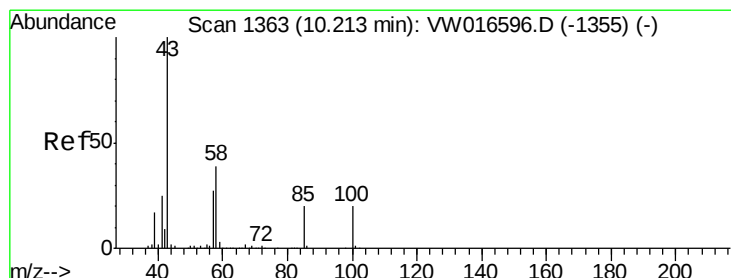
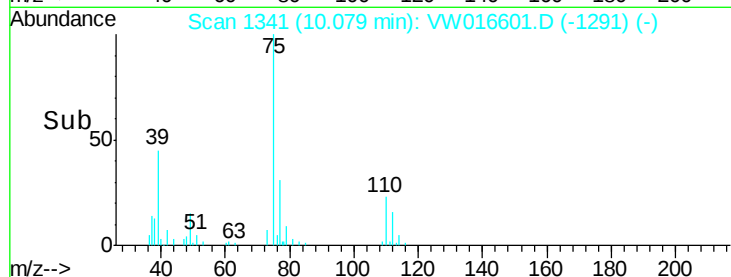
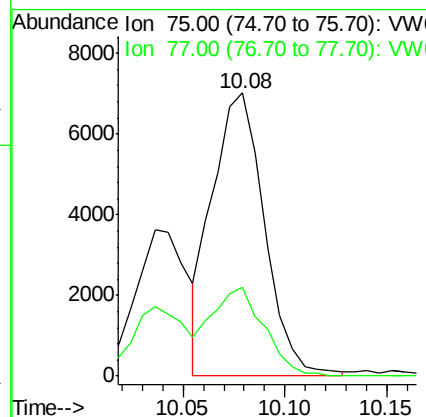
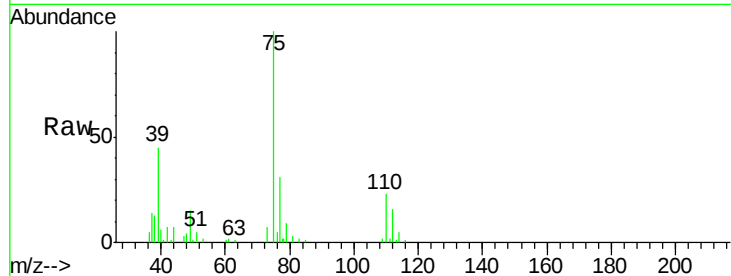




#39
 cis-1,3-Dichloropropene
 Concen: 1.163 ug/L
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

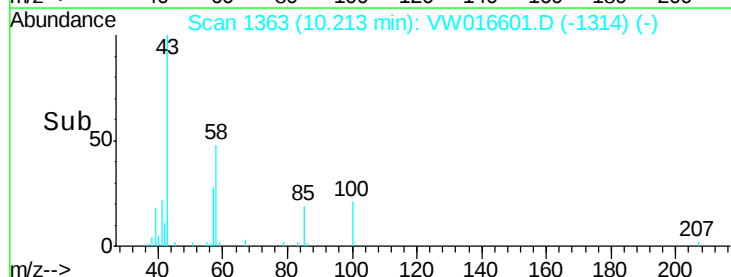
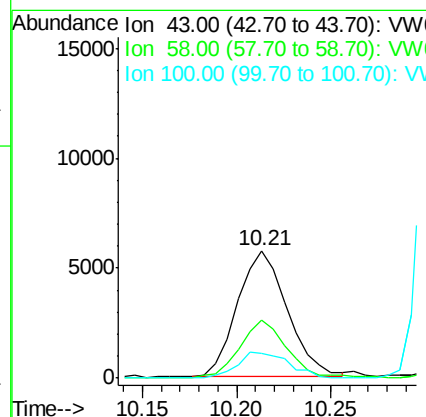
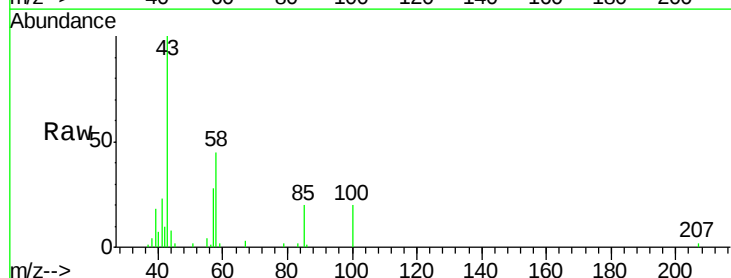
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

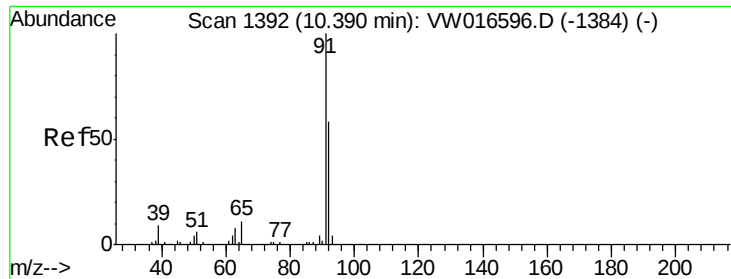
Tot Ion: 75 Resp: 12509
 Ion Ratio Lower Upper
 75 100
 77 31.2 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 2.958 ug/L
 RT: 10.21 min Scan# 1363
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion: 43 Resp: 10446
 Ion Ratio Lower Upper
 43 100
 58 43.0 33.0 49.4
 100 21.2 16.0 24.0





#42

Toluene

Concen: 1.209 ug/L

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

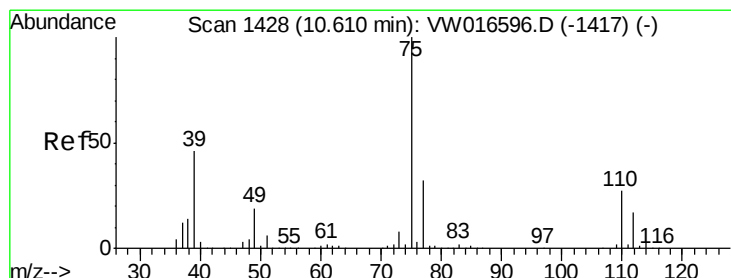
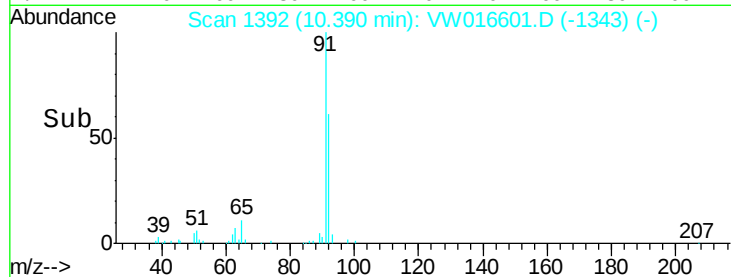
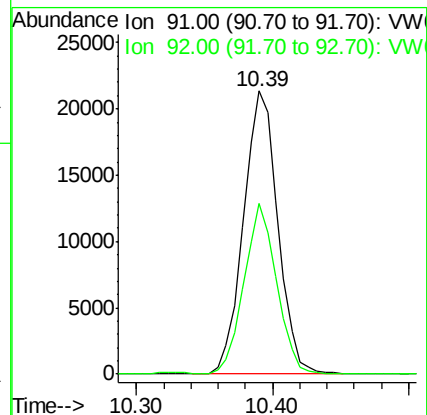
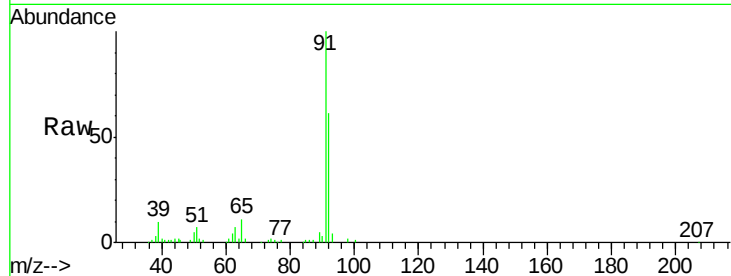
MDL-SOIL-05

Tot Ion: 91 Resp: 37640

Ion Ratio Lower Upper

91 100

92 60.5 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 1.097 ug/L m

RT: 10.60 min Scan# 1427

Delta R.T. -0.01 min

Lab File: VW016601.D

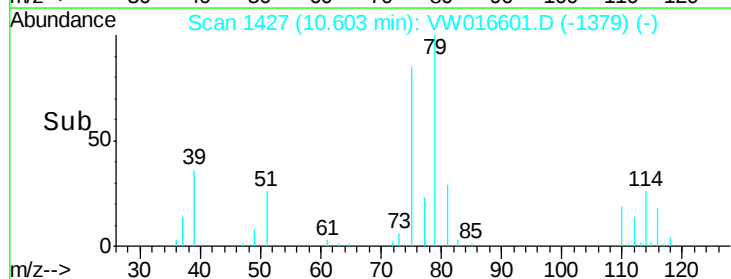
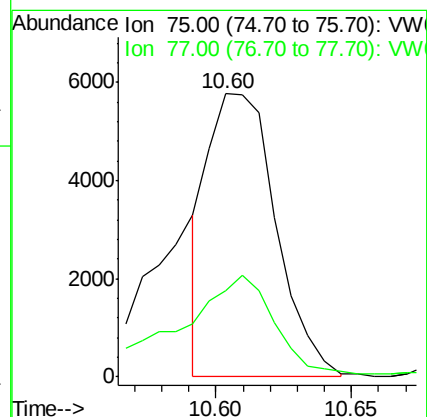
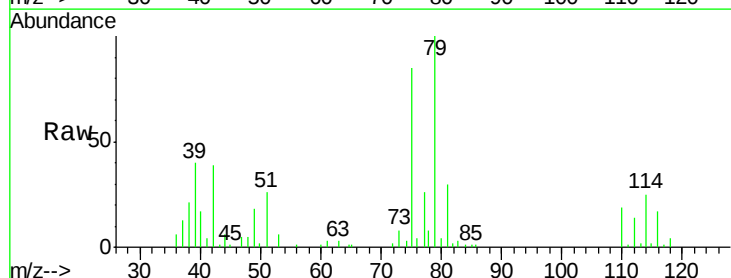
Acq: 21 Sep 2020 17:16

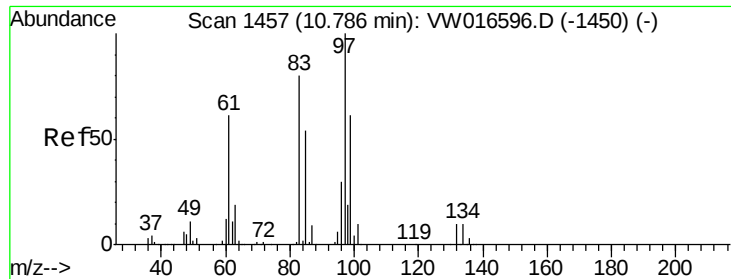
Tgt Ion: 75 Resp: 10125

Ion Ratio Lower Upper

75 100

77 30.6 22.1 41.1

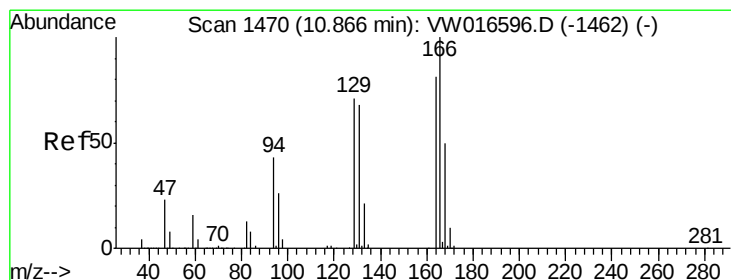
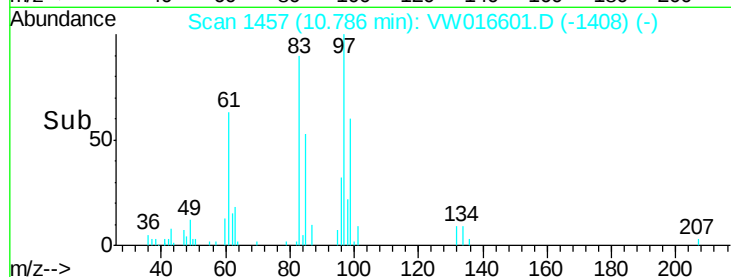
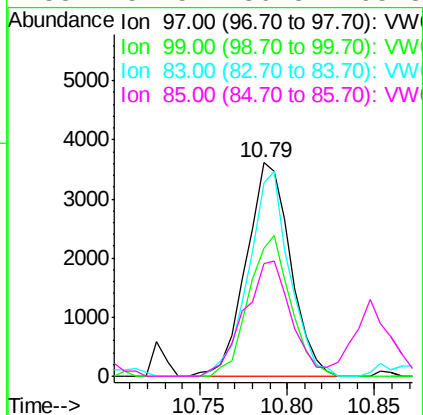
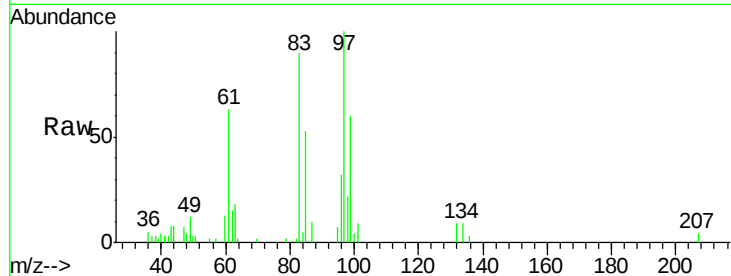




#45
 1,1,2-Trichloroethane
 Concen: 1.246 ug/L
 RT: 10.79 min Scan# 1457
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

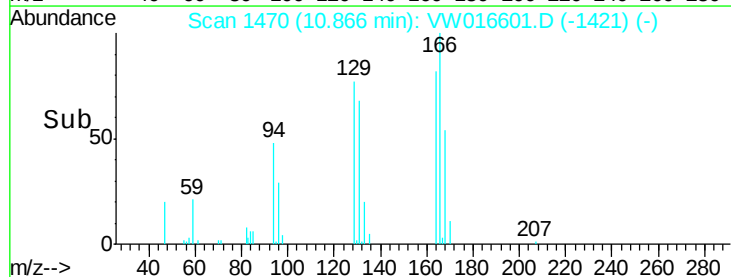
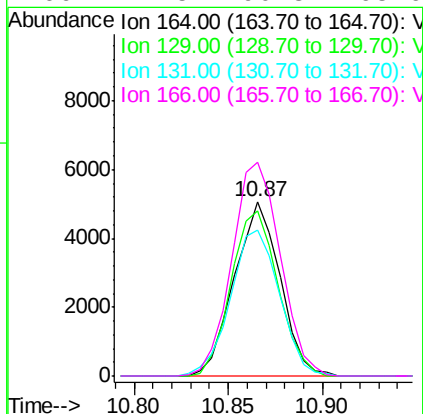
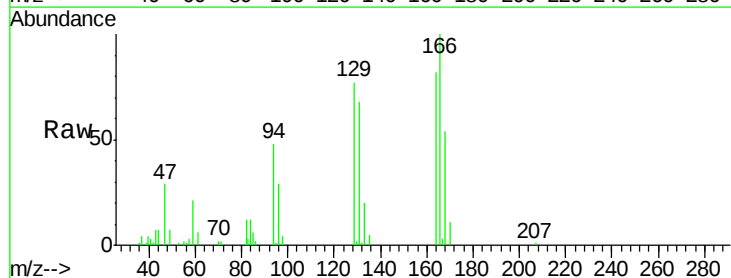
Instrument :
 MSVOA_W
 ClientSampled :
 MDL-SOIL-05

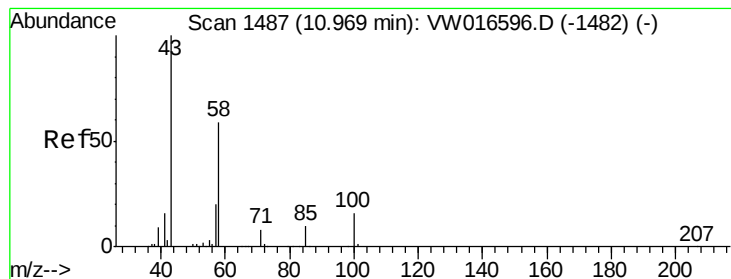
Tot Ion:	97	Resp:	6381
Ion	Ratio	Lower	Upper
97	100		
99	59.9	44.5	82.7
83	90.4	58.4	108.4
85	52.5	36.8	68.3



#46
 Tetrachloroethene
 Concen: 1.188 ug/L
 RT: 10.87 min Scan# 1470
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion:	164	Resp:	8500
Ion	Ratio	Lower	Upper
164	100		
129	94.9	61.4	114.0
131	83.4	62.8	116.6
166	122.5	90.8	168.6





#48

2-Hexanone

Concen: 2.617 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-05

Tot Ion: 43 Resp: 5747

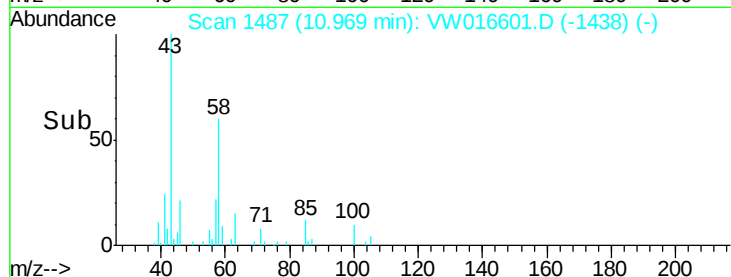
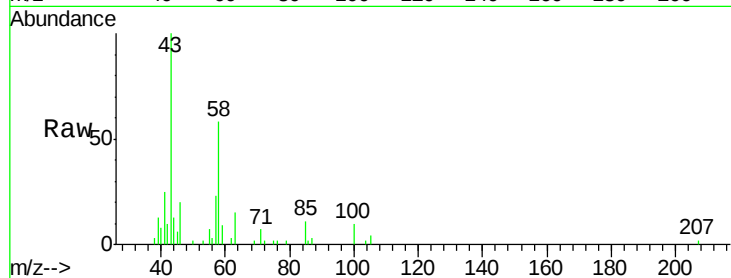
Ion Ratio Lower Upper

43 100

58 61.8 45.9 68.9

57 17.5 16.6 24.8

100 14.3 12.3 18.5

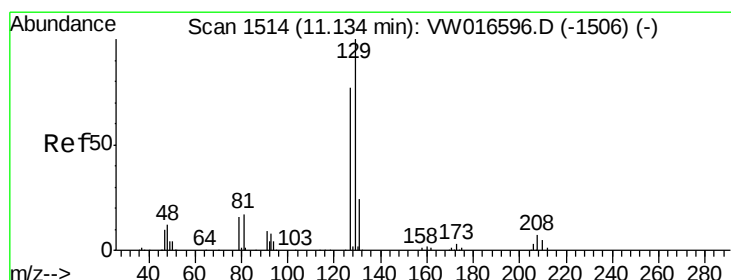
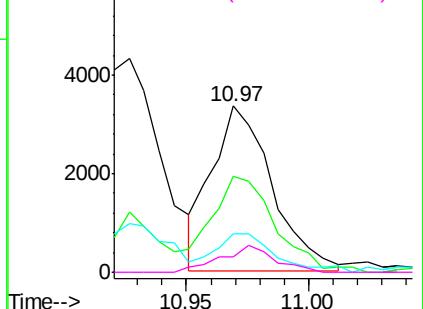


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

Ion 57.00 (56.70 to 57.70): VW

Ion 100.00 (99.70 to 100.70): VW



#49

Dibromochloromethane

Concen: 1.183 ug/L

RT: 11.13 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VW016601.D

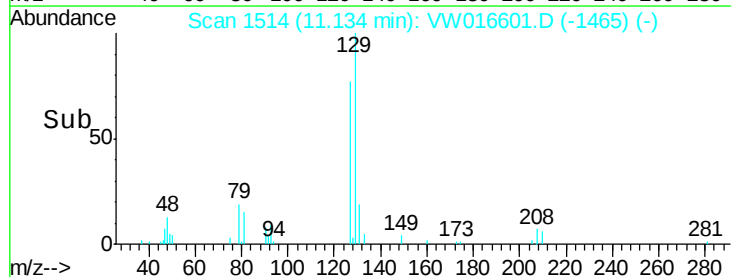
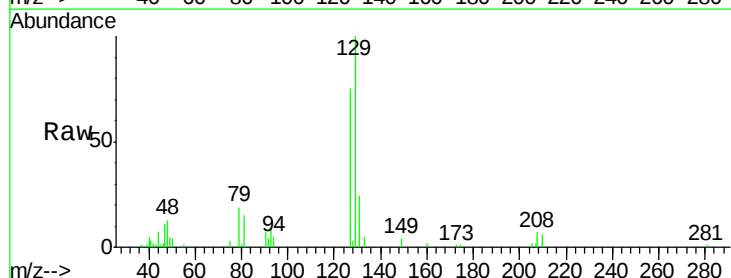
Acq: 21 Sep 2020 17:16

Tgt Ion: 129 Resp: 7950

Ion Ratio Lower Upper

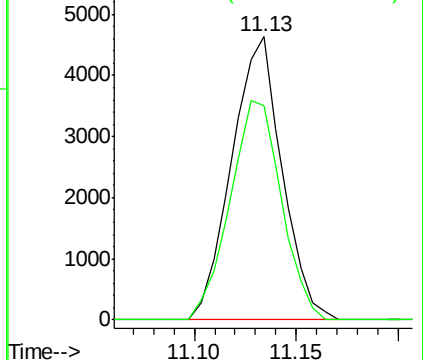
129 100

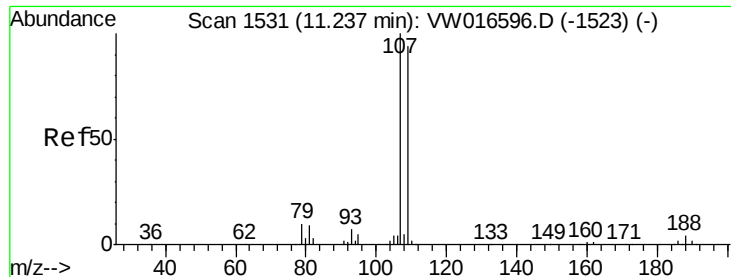
127 75.5 52.5 97.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

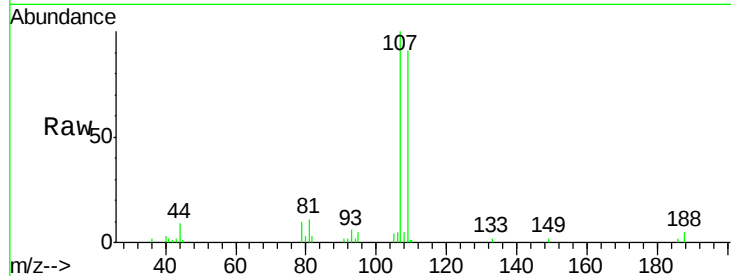




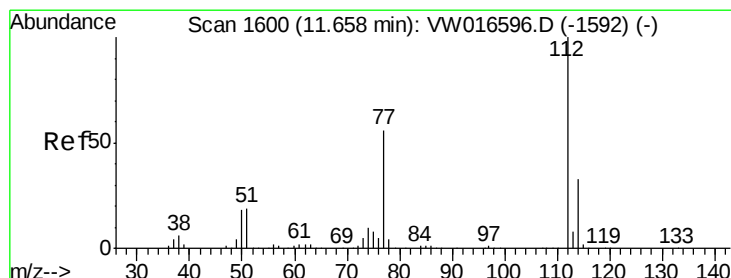
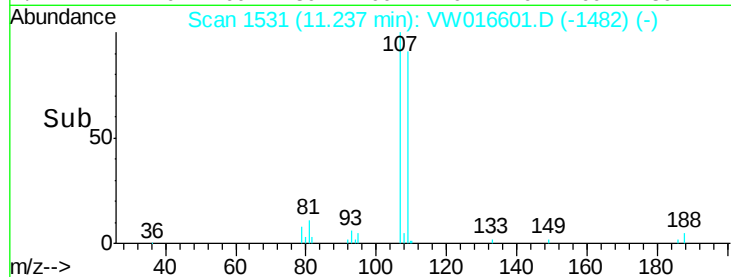
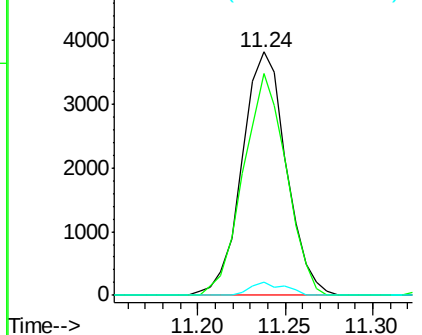
#50
1,2-Dibromoethane
Concen: 1.328 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-05

Tot Ion:107 Resp: 6733
Ion Ratio Lower Upper
107 100
109 91.3 66.2 123.0
188 5.3 3.3 4.9#

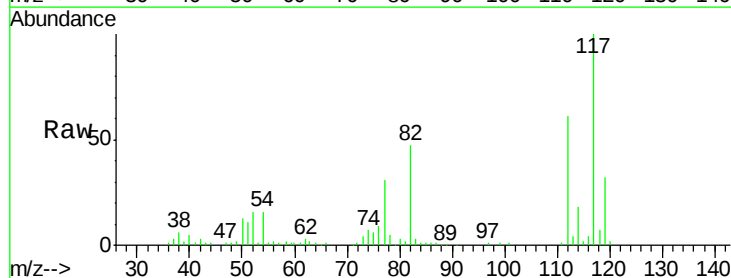


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

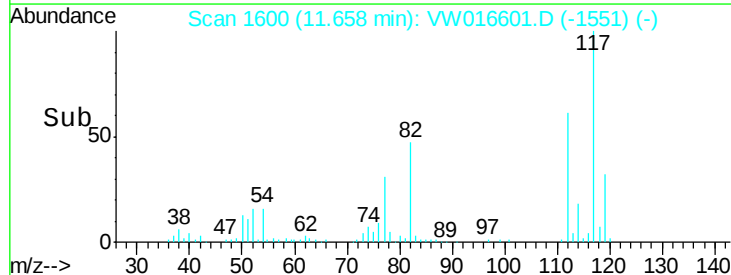
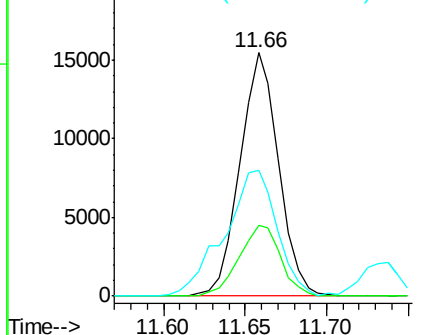


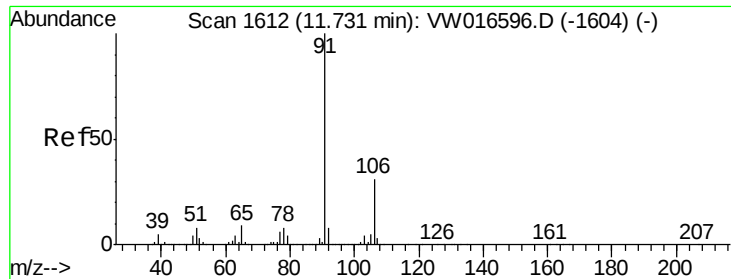
#51
Chlorobenzene
Concen: 1.229 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion:112 Resp: 25382
Ion Ratio Lower Upper
112 100
114 29.3 22.9 42.5
77 51.5 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

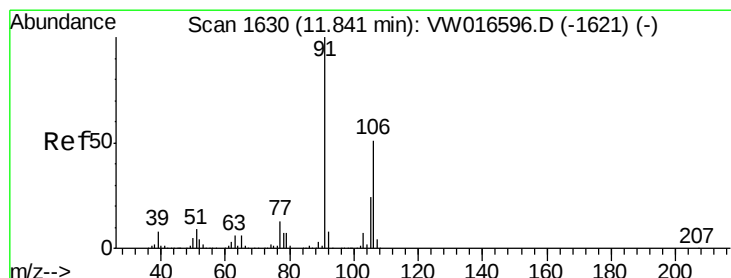
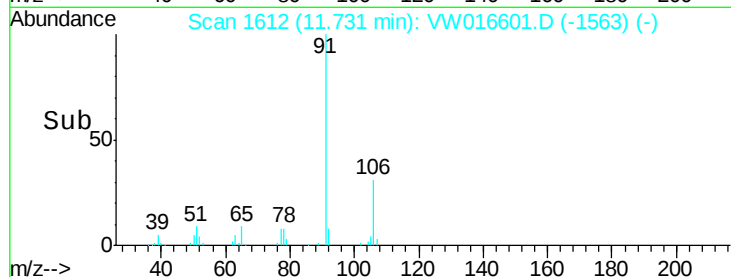
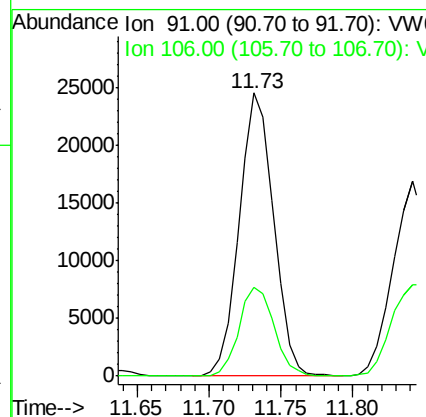
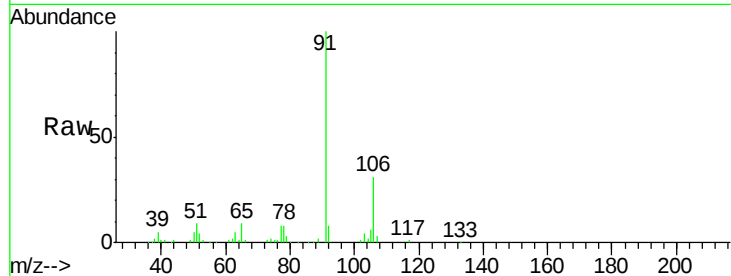




#52
Ethylbenzene
Concen: 1.162 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

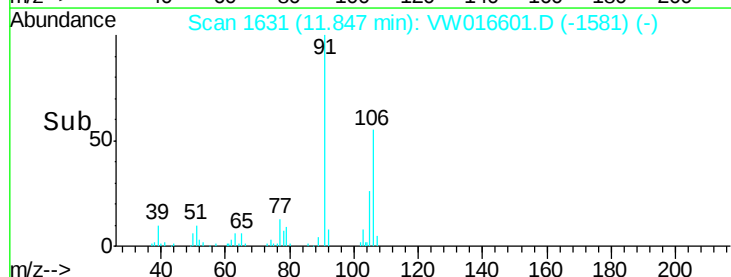
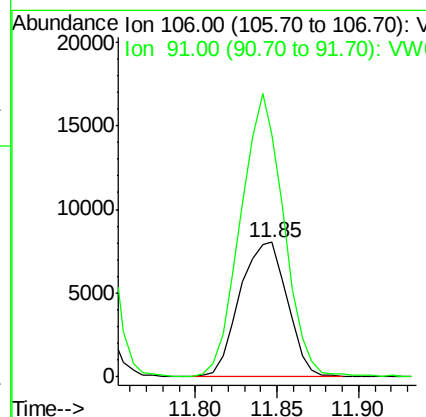
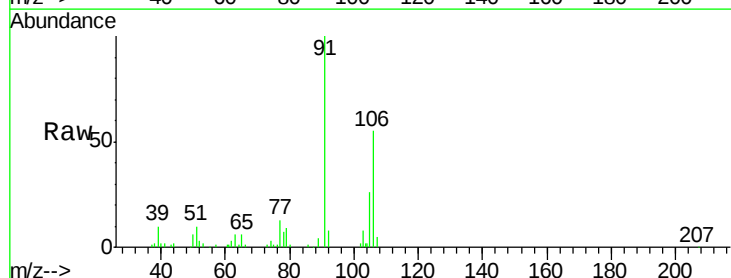
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-05

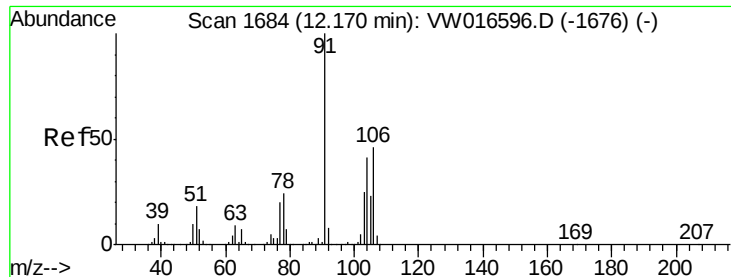
Tot Ion: 91 Resp: 40739
Ion Ratio Lower Upper
91 100
106 31.4 22.0 41.0



#53
m,p-Xylene
Concen: 1.196 ug/L
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion: 106 Resp: 16334
Ion Ratio Lower Upper
106 100
91 180.7 136.2 252.9

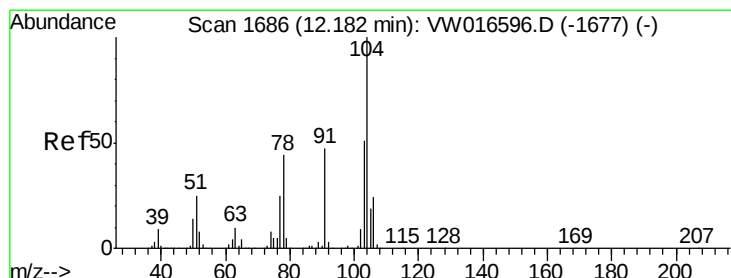
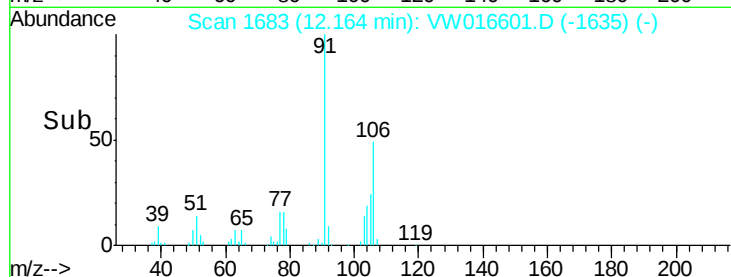
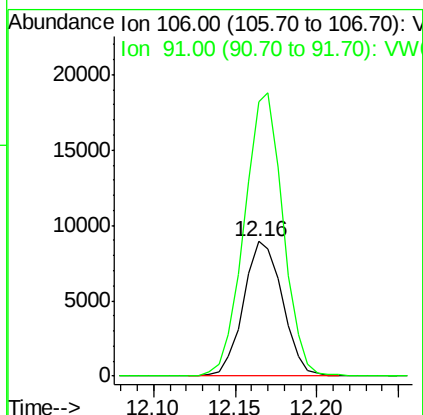
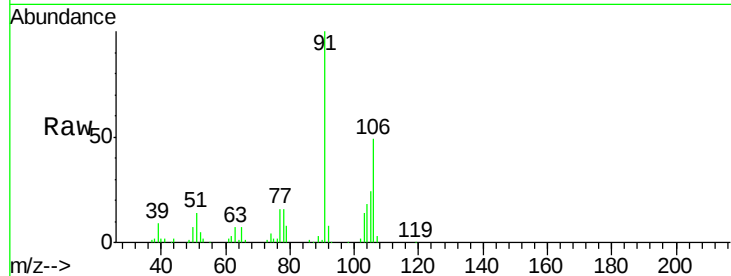




#54
o-Xylene
Concen: 1.151 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

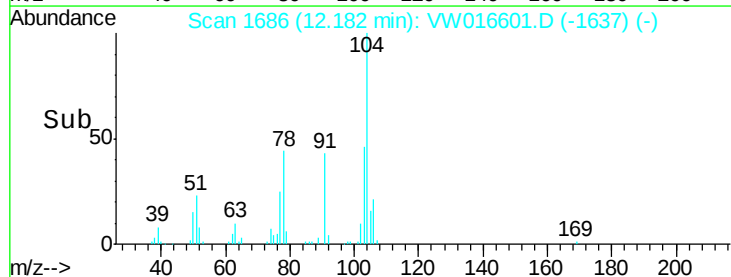
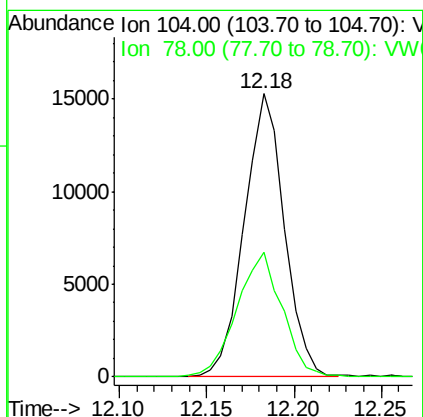
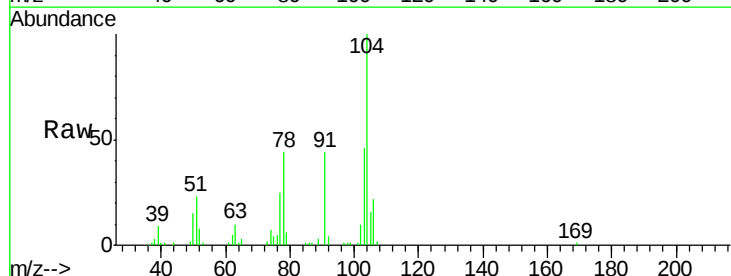
Instrument :
MSVOA_W
ClientSampled :
MDL-SOIL-05

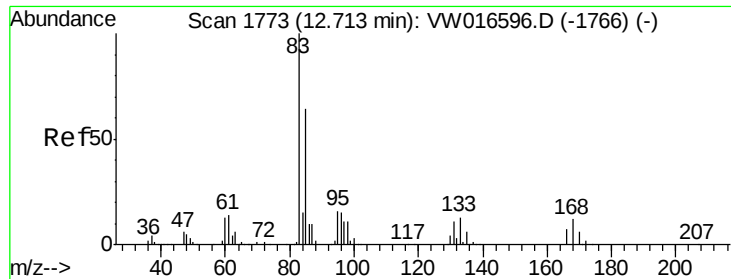
Tot Ion:106 Resp: 14884
Ion Ratio Lower Upper
106 100
91 204.1 143.4 266.2



#55
Styrene
Concen: 1.132 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion:104 Resp: 24370
Ion Ratio Lower Upper
104 100
78 43.9 31.1 57.9

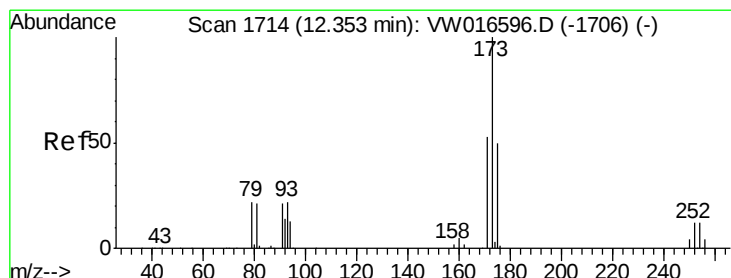
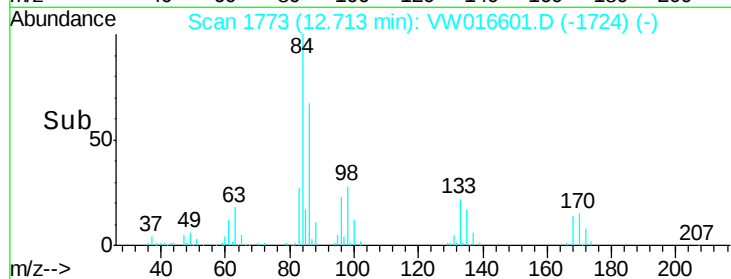
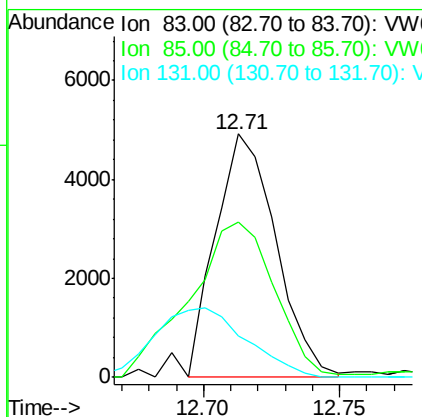
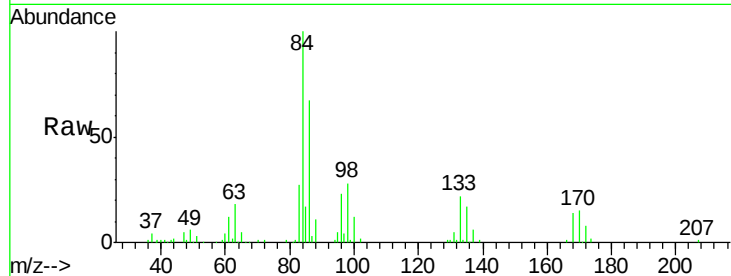




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.374 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

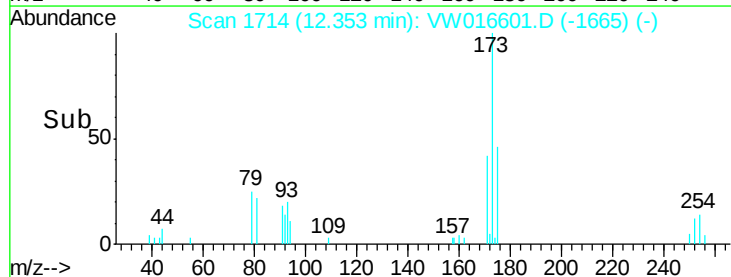
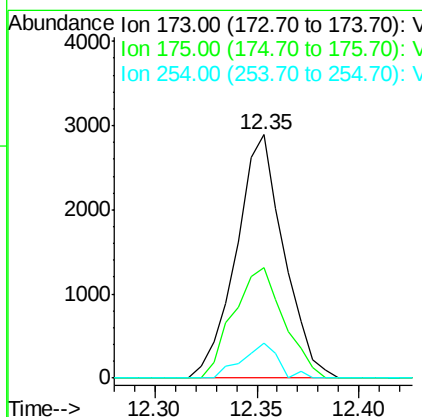
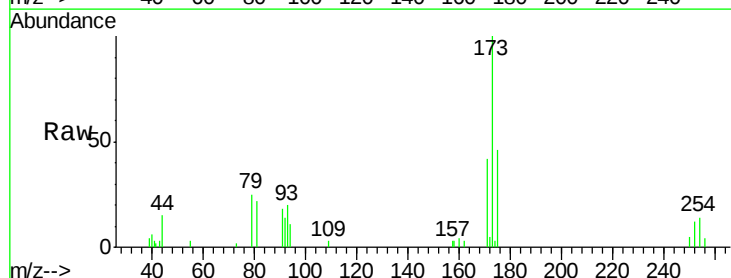
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

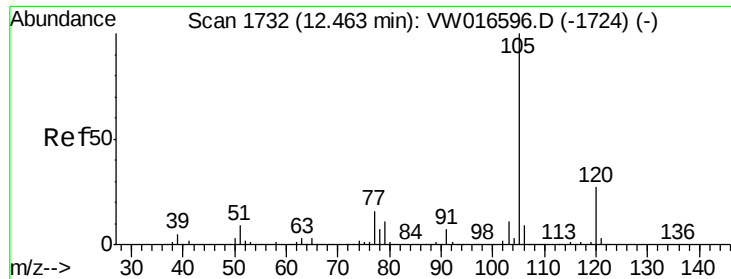
Tot Ion: 83 Resp: 7576
 Ion Ratio Lower Upper
 83 100
 85 64.0 46.3 85.9
 131 16.9 9.3 13.9#



#59
 Bromoform
 Concen: 1.161 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion: 173 Resp: 4688
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.7 59.5
 254 10.3 8.2 12.2





#60

Isopropylbenzene

Concen: 1.151 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampled :

MDL-SOIL-05

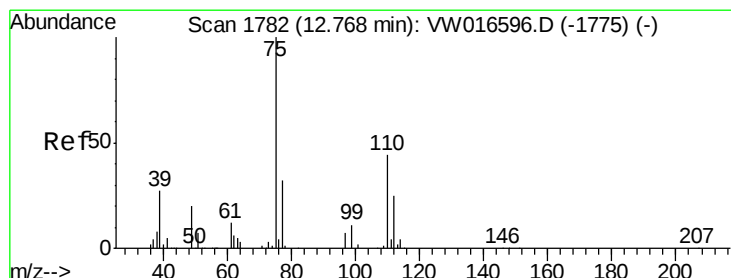
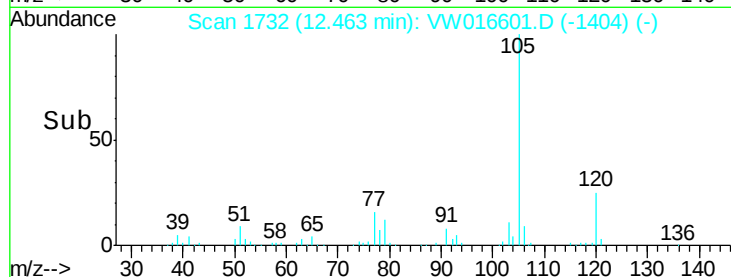
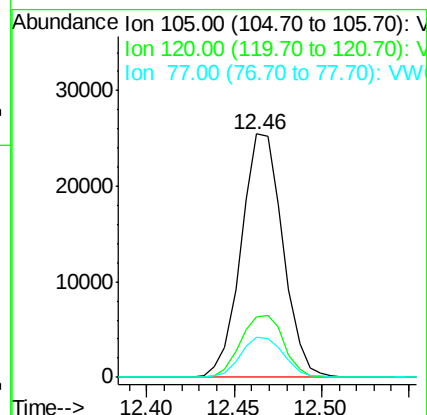
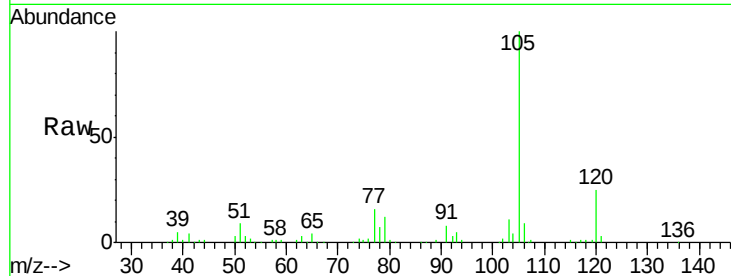
Tot Ion: 105 Resp: 42060

Ion Ratio Lower Upper

105 100

120 26.5 21.8 32.8

77 17.2 12.1 18.1



#61

1,2,3-Trichloropropane

Concen: 1.372 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

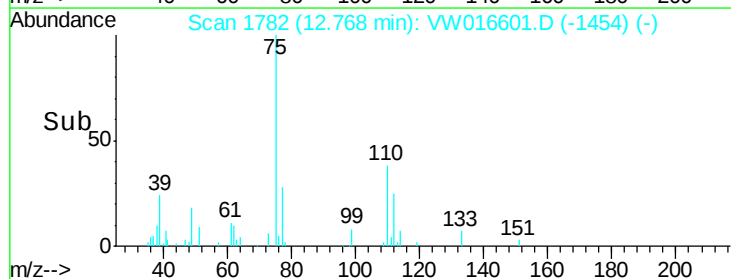
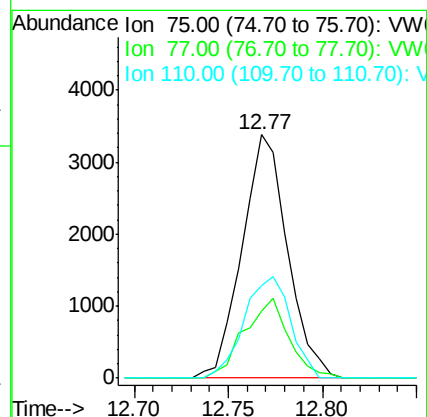
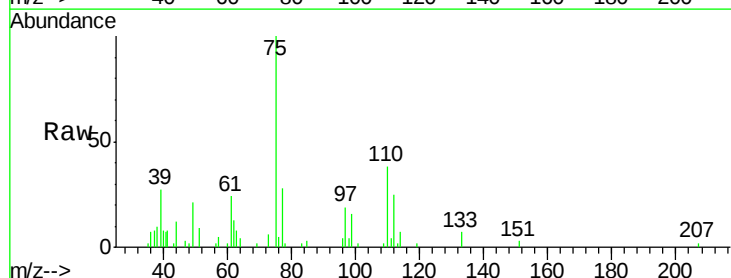
Tgt Ion: 75 Resp: 5657

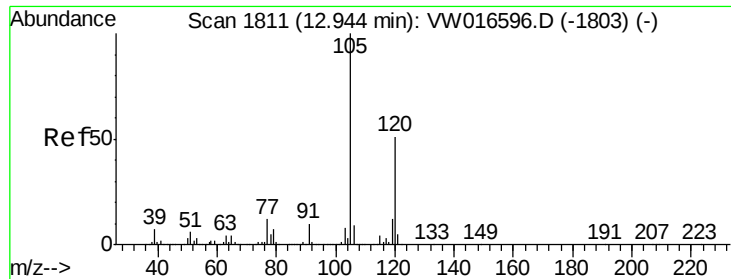
Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

110 42.5 35.8 53.8

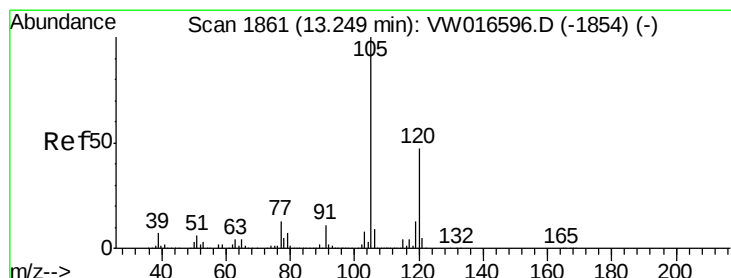
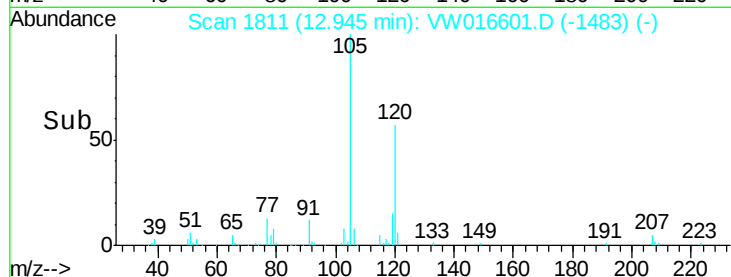
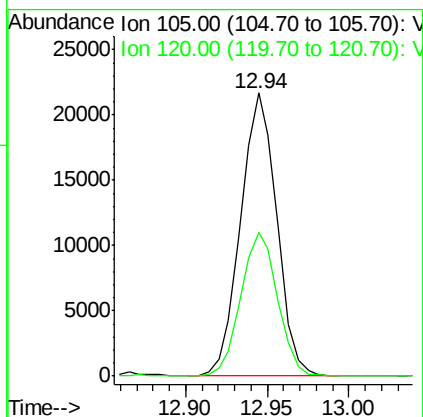
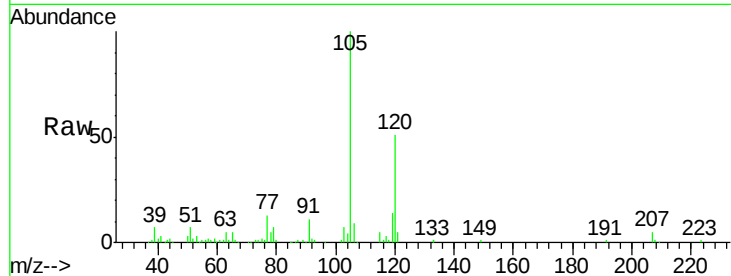




#62
 1,3,5-Trimethylbenzene
 Concen: 1.115 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

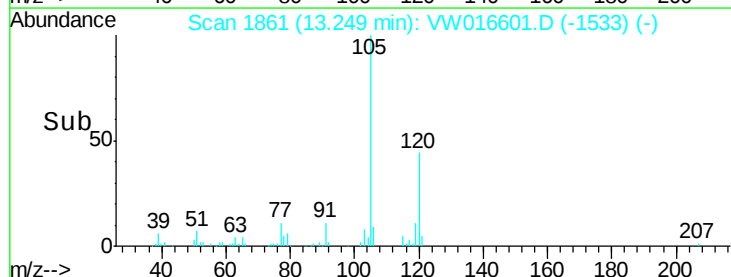
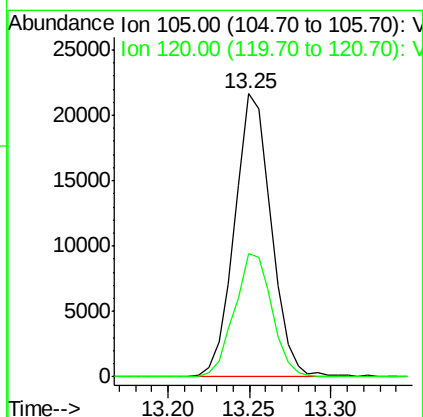
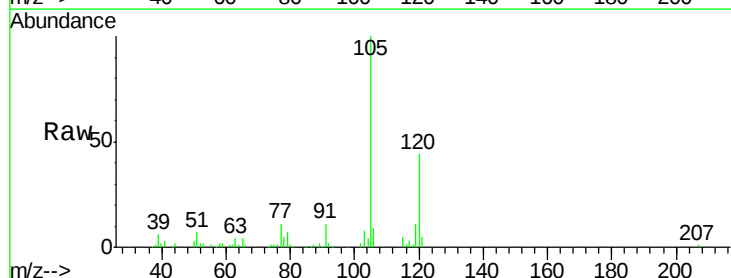
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

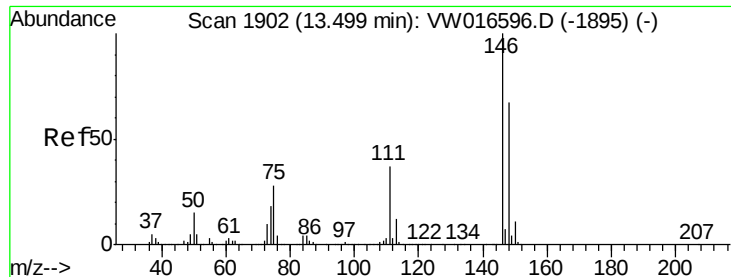
Tot Ion:105 Resp: 33507
 Ion Ratio Lower Upper
 105 100
 120 51.3 39.8 59.8



#63
 1,2,4-Trimethylbenzene
 Concen: 1.132 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion:105 Resp: 33832
 Ion Ratio Lower Upper
 105 100
 120 44.5 36.4 54.6

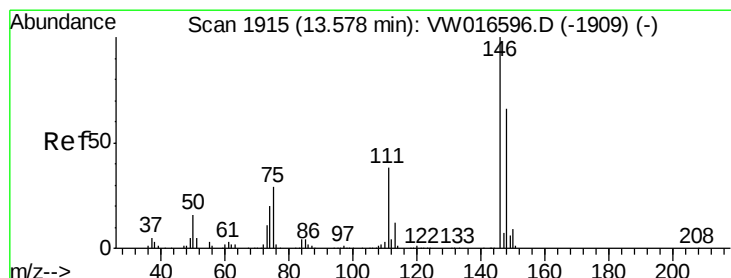
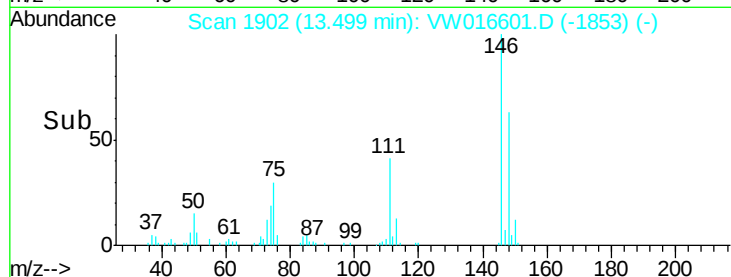
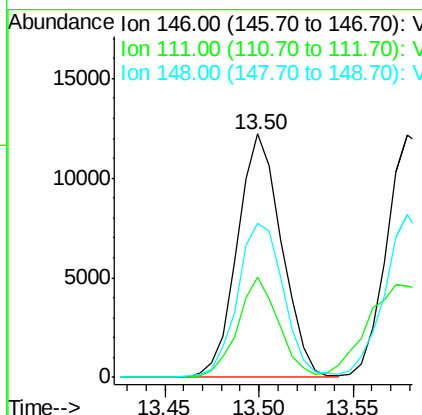
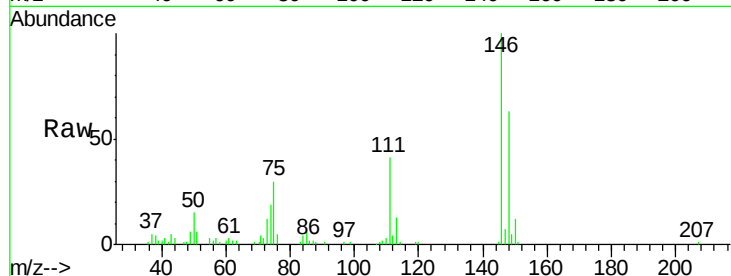




#64
 1,3-Dichlorobenzene
 Concen: 1.189 ug/L
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

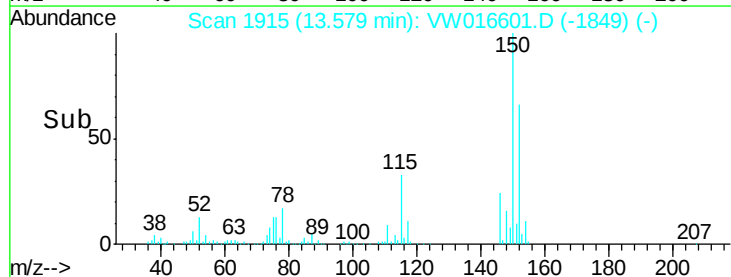
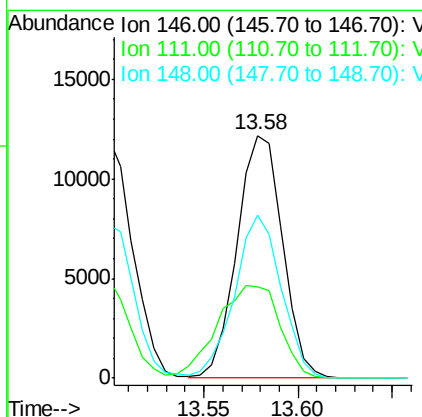
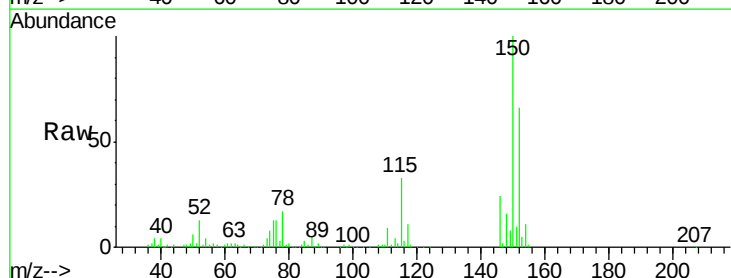
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

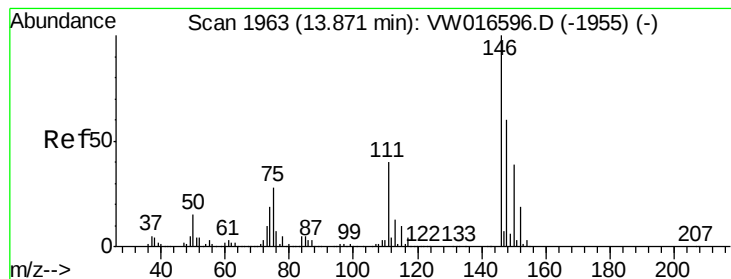
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.3	26.5	49.3
148	63.1	44.0	81.8



#65
 1,4-Dichlorobenzene
 Concen: 1.240 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	26.5	49.3
148	67.4	43.8	81.4





#67

1,2-Dichlorobenzene

Concen: 1.239 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

Instrument :

MSVOA_W

ClientSampled :

MDL-SOIL-05

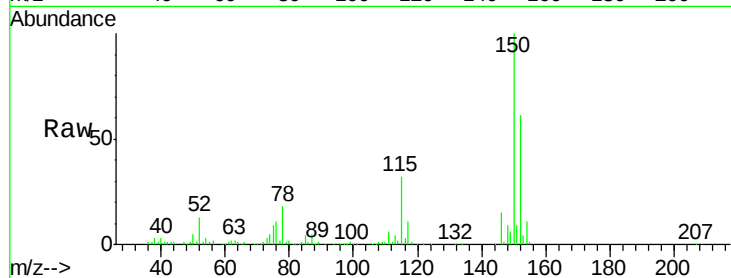
Tot Ion:146 Resp: 18379

Ion Ratio Lower Upper

146 100

111 41.9 32.4 48.6

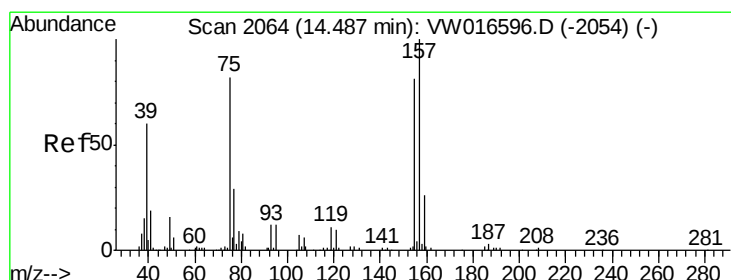
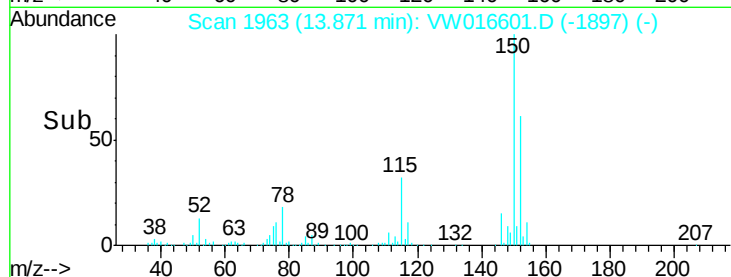
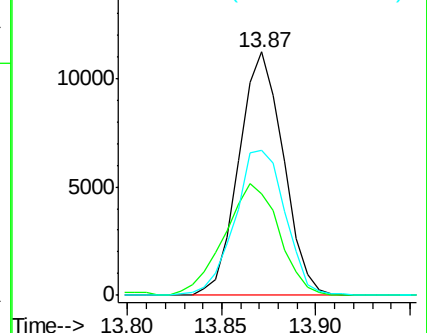
148 59.8 52.2 78.2



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: 1.468 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.00 min

Lab File: VW016601.D

Acq: 21 Sep 2020 17:16

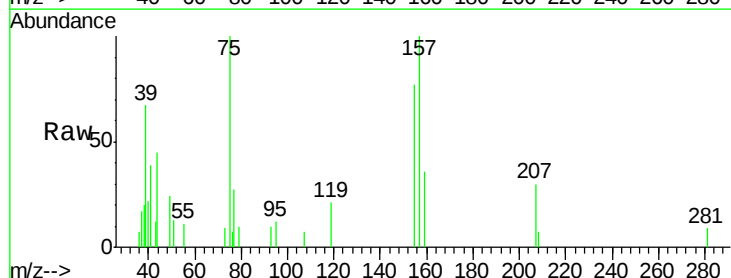
Tgt Ion: 75 Resp: 1423

Ion Ratio Lower Upper

75 100

155 77.8 76.6 115.0

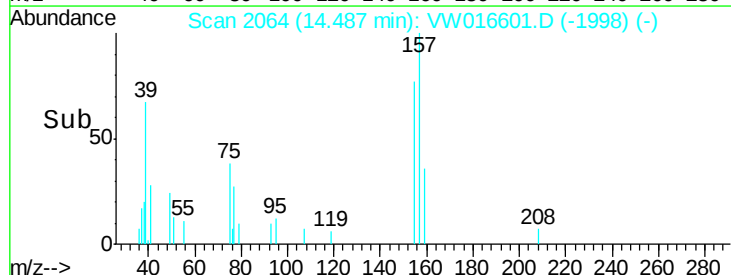
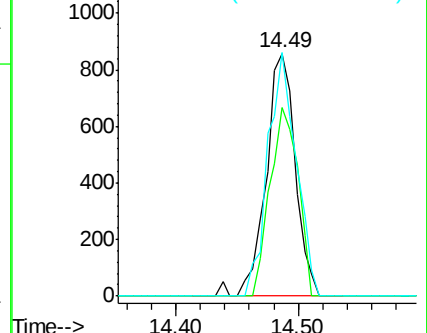
157 100.5 92.0 138.0

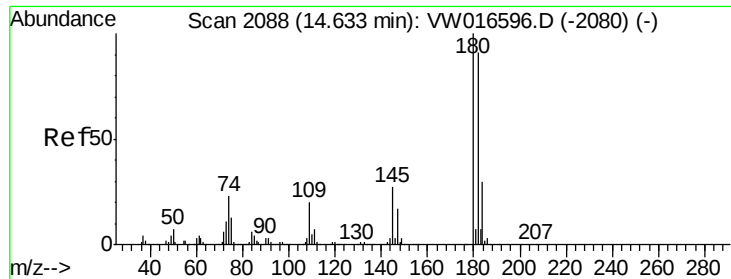


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

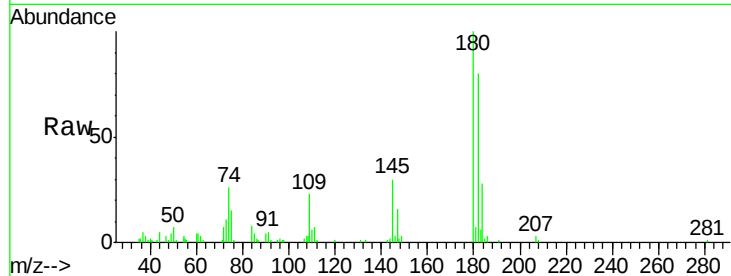




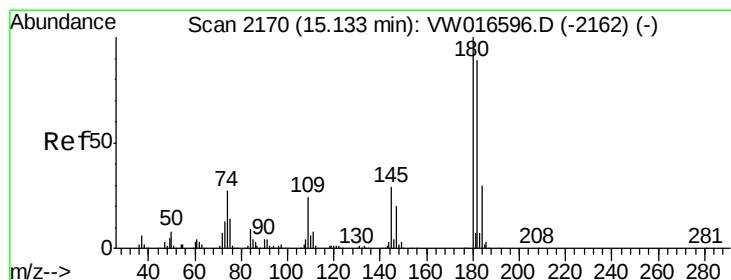
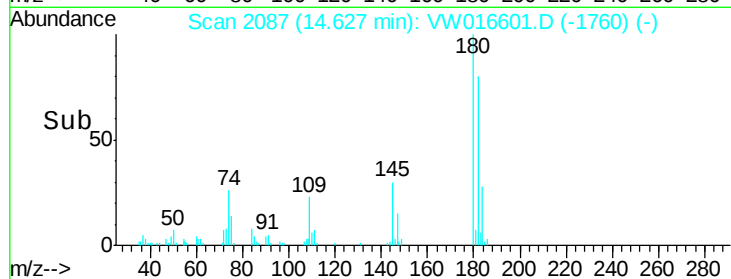
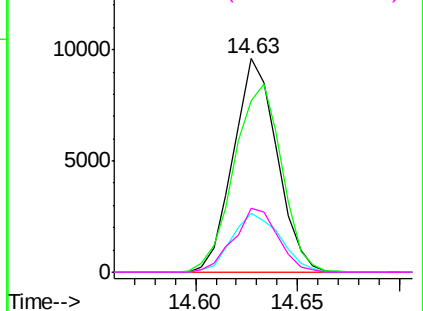
#69
 1,3,5-Trichlorobenzene
 Concen: 1.152 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. -0.01 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-05

Tot Ion:180	Resp:	14258
Ion Ratio	Lower	Upper
180	100	
182	96.3	79.0 118.4
184	30.8	24.6 36.8
145	30.2	23.2 34.8

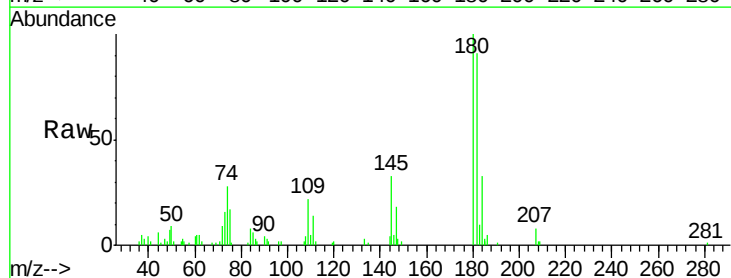


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

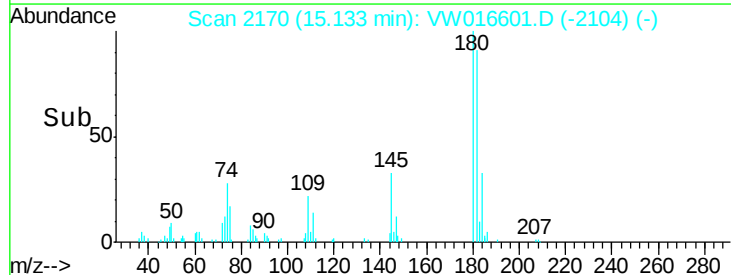
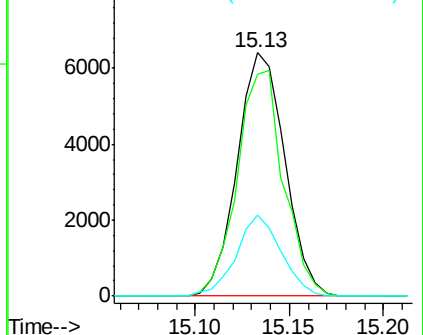


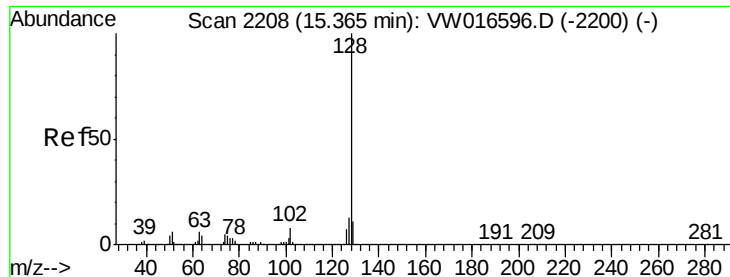
#70
 1,2,4-trichlorobenzene
 Concen: 1.124 ug/L
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016601.D
 Acq: 21 Sep 2020 17:16

Tgt Ion:180	Resp:	11234
Ion Ratio	Lower	Upper
180	100	
182	90.4	76.1 114.1
145	31.4	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

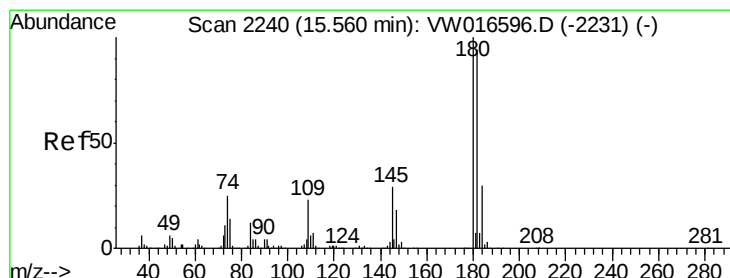
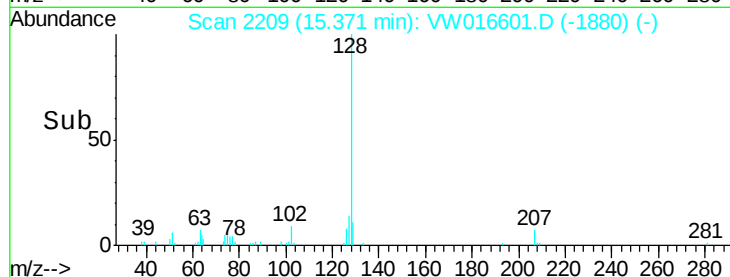
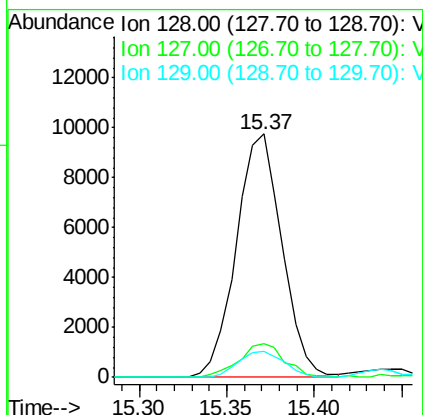
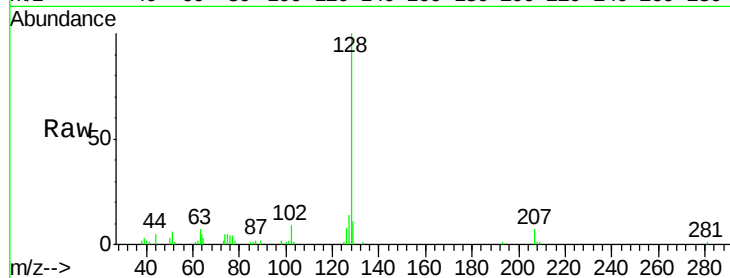




#71
Naphthalene
Concen: 1.058 ug/L
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-05

Tot Ion:128 Resp: 17750
Ion Ratio Lower Upper
128 100
127 13.8 10.6 16.0
129 10.6 9.0 13.4



#72
1,2,3-Trichlorobenzene
Concen: 1.172 ug/L
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016601.D
Acq: 21 Sep 2020 17:16

Tgt Ion:180 Resp: 9831
Ion Ratio Lower Upper
180 100
182 93.2 75.5 113.3
145 31.6 24.3 36.5

