

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW010521\
 Data File : VW017792.D
 Acq On : 05 Jan 2021 12:07
 Operator : SY/VA
 Sample : L5214-04
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

Quant Time: Jan 06 00:36:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM123020SMA.M
 Quant Title : SFAM01.0
 QLast Update : Wed Jan 06 00:35:50 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	256441	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	233740	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.56	152	115734	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	102433	23.50	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	94.00%
7) Chloroethane-d5	2.89	69	86551	22.85	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	91.40%
11) 1,1-Dichloroethene-d2	4.02	63	137923	18.80	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	75.20%
21) 2-Butanone-d5	7.08	46	56871	51.66	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	103.32%
24) Chloroform-d	7.65	84	173265	23.83	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	95.32%
26) 1,2-Dichloroethane-d4	8.31	65	105686	25.08	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	100.32%
32) Benzene-d6	8.27	84	344331	25.42	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	101.68%
36) 1,2-Dichloropropane-d6	9.27	67	98384	25.39	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	10.32	98	325013	25.01	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	100.04%
43) trans-1,3-Dichloropropene-	10.58	79	44885	24.35	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	97.40%
47) 2-Hexanone-d5	10.93	63	38369	53.00	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	106.00%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	94180	25.12	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	100.48%
66) 1,2-Dichlorobenzene-d4	13.85	152	106716	24.86	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	99.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.01	85	1280	0.414 ug/L #	61
3) Chloromethane	2.21	50	2851	1.061 ug/L	99
5) Vinyl chloride	2.36	62	4449	1.004 ug/L #	45
6) Bromomethane	2.78	94	3085	0.787 ug/L	98
8) Chloroethane	2.93	64	2600	0.887 ug/L #	76
9) Trichlorofluoromethane	3.26	101	2142	0.711 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	1280	0.371 ug/L #	78
12) 1,1-Dichloroethene	4.04	96	2613	0.798 ug/L #	1
14) Carbon disulfide	4.39	76	7595	0.809 ug/L	97
16) Methylene chloride	4.92	84	7794	1.885 ug/L	93
17) trans-1,2-Dichloroethene	5.42	96	2030	0.578 ug/L	88
18) Methyl tert-butyl Ether	5.43	73	3712	0.830 ug/L #	81
19) 1,1-Dichloroethane	6.21	63	5445	0.875 ug/L	95
20) cis-1,2-Dichloroethene	7.17	96	2183	0.581 ug/L	86
25) Chloroform	7.68	83	6799	1.031 ug/L	82
27) 1,2-Dichloroethane	8.40	62	4698	0.997 ug/L #	67
29) Cyclohexane	7.96	56	4707	0.858 ug/L #	68

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

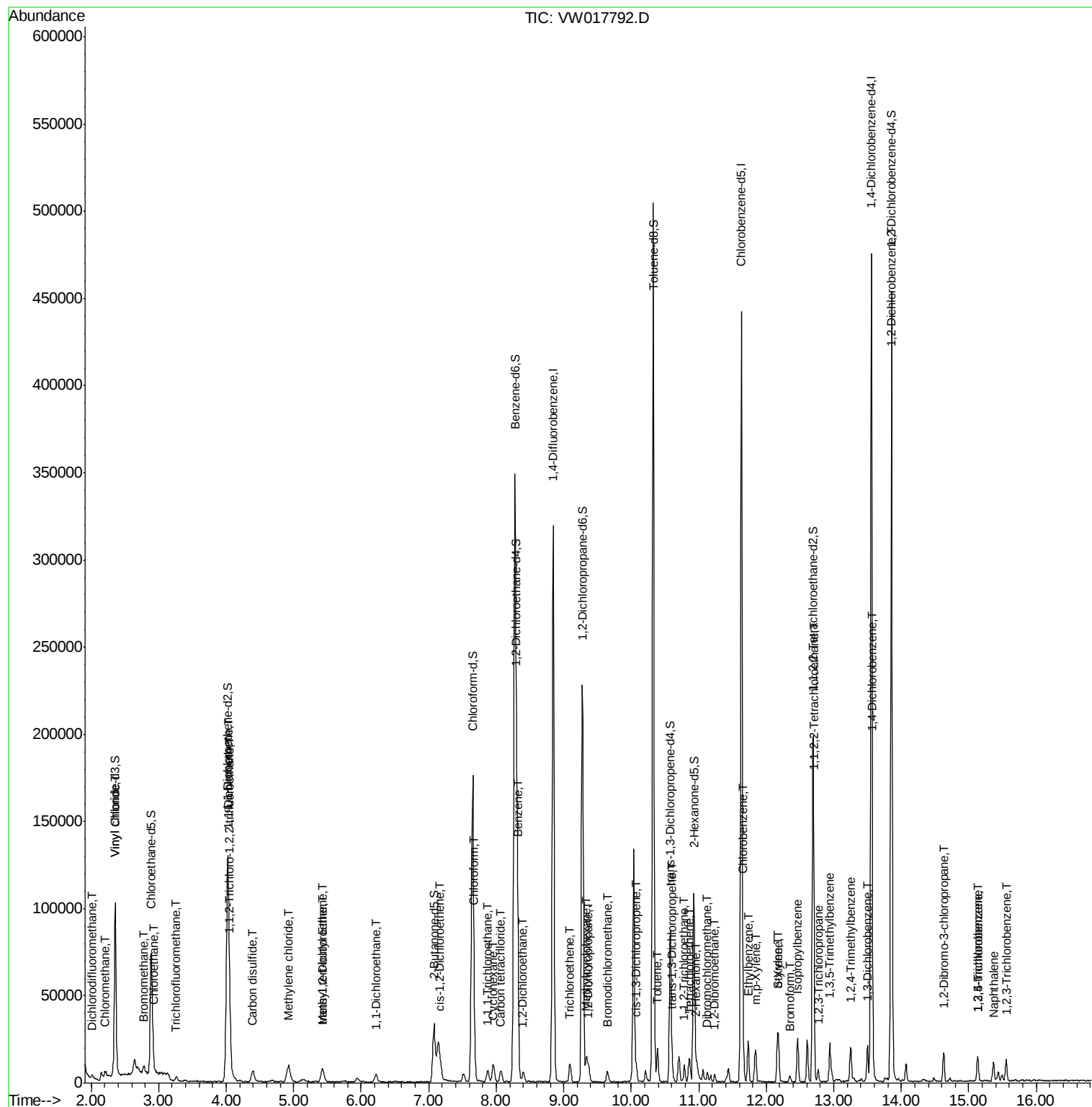
30) 1,1,1-Trichloroethane	7.87	97	4614	0.858	ug/L #	40
31) Carbon tetrachloride	8.07	117	4513	0.894	ug/L	95
33) Benzene	8.32	78	11644	0.853	ug/L	100
34) Trichloroethene	9.09	95	3427	0.919	ug/L	86
35) Methylcyclohexane	9.34	83	5162	0.809	ug/L	95
37) 1,2-Dichloropropane	9.37	63	3222	0.975	ug/L #	85
38) Bromodichloromethane	9.65	83	4168	0.893	ug/L #	83
39) cis-1,3-Dichloropropene	10.07	75	3989	0.756	ug/L	95
42) Toluene	10.39	91	13794	0.892	ug/L	99
44) trans-1,3-Dichloropropene	10.61	75	2941	0.611	ug/L	96
45) 1,1,2-Trichloroethane	10.79	97	2720	0.981	ug/L	87
46) Tetrachloroethene	10.87	164	2755	0.964	ug/L	84
48) 2-Hexanone	10.97	43	4369	2.659	ug/L #	89
49) Dibromochloromethane	11.13	129	2520	0.792	ug/L	90
50) 1,2-Dibromoethane	11.24	107	2685	0.980	ug/L #	89
51) Chlorobenzene	11.66	112	8735	0.890	ug/L	95
52) Ethylbenzene	11.73	91	15013	0.850	ug/L	96
53) m,p-Xylene	11.83	106	5545	0.812	ug/L	94
54) o-Xylene	12.16	106	4990	0.774	ug/L	98
55) Styrene	12.18	104	8283	0.751	ug/L	98
57) 1,1,2,2-Tetrachloroethane	12.71	83	3850	1.068	ug/L #	84
59) Bromoform	12.35	173	1438	0.830	ug/L #	94
60) Isopropylbenzene	12.46	105	13826	0.819	ug/L	96
61) 1,2,3-Trichloropropane	12.77	75	2405	0.946	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	10804	0.804	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	10807	0.790	ug/L	99
64) 1,3-Dichlorobenzene	13.50	146	6284	0.862	ug/L	93
65) 1,4-Dichlorobenzene	13.58	146	6976	0.963	ug/L	92
67) 1,2-Dichlorobenzene	13.87	146	6557	1.002	ug/L #	85
68) 1,2-Dibromo-3-chloropropan	14.62	75	1154	1.896	ug/L #	8
69) 1,3,5-Trichlorobenzene	15.13	180	3740	0.758	ug/L	94
70) 1,2,4-trichlorobenzene	15.13	180	3740	0.876	ug/L	95
71) Naphthalene	15.36	128	8645	0.878	ug/L	98
72) 1,2,3-Trichlorobenzene	15.55	180	3405	0.907	ug/L	96

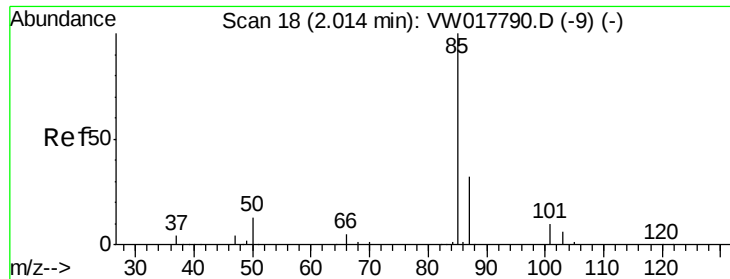
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#2

Dichlorodifluoromethane

Concen: 0.414 ug/L

RT: 2.01 min Scan# 17

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

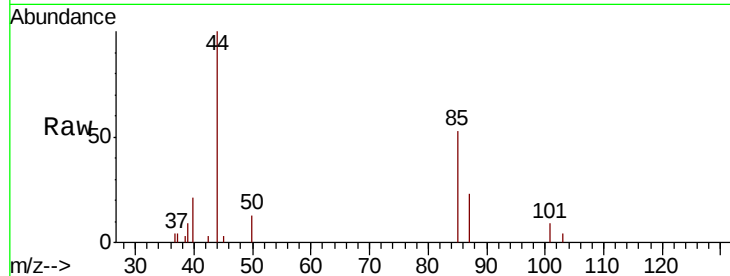
MDL-SOIL-QT1-2021-02

Tot Ion: 85 Resp: 1280

Ion Ratio Lower Upper

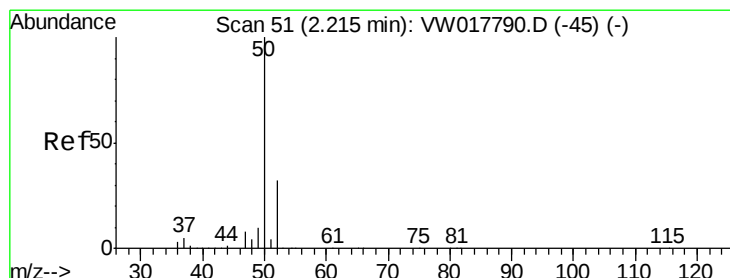
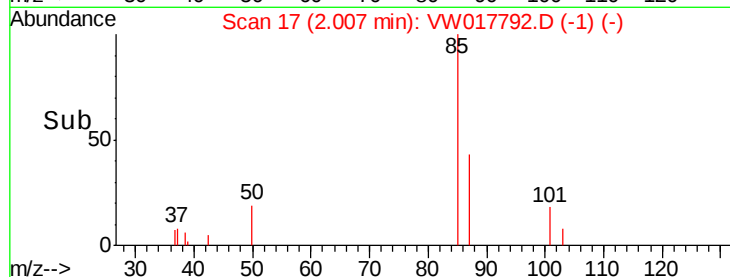
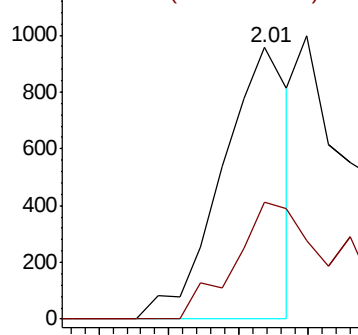
85 100

87 50.1 23.3 34.9#



Abundance Ion 85.00 (84.70 to 85.70): VW

Ion 87.00 (86.70 to 87.70): VW



#3

Chloromethane

Concen: 1.061 ug/L

RT: 2.21 min Scan# 50

Delta R.T. -0.01 min

Lab File: VW017792.D

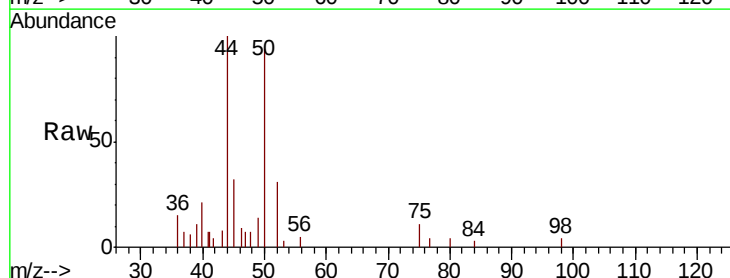
Acq: 05 Jan 2021 12:07

Tgt Ion: 50 Resp: 2851

Ion Ratio Lower Upper

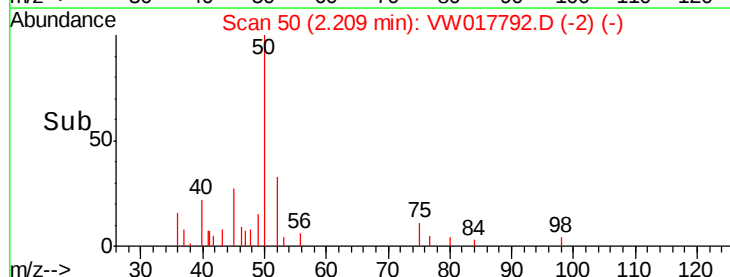
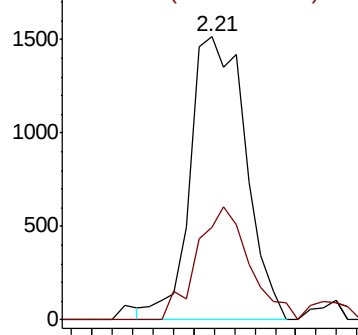
50 100

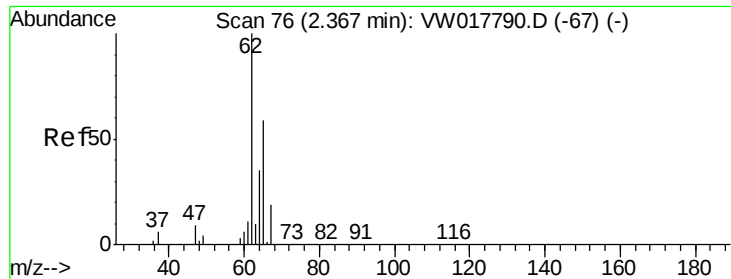
52 32.8 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VW

Ion 52.00 (51.70 to 52.70): VW





#5

Vinyl chloride

Concen: 1.004 ug/L

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

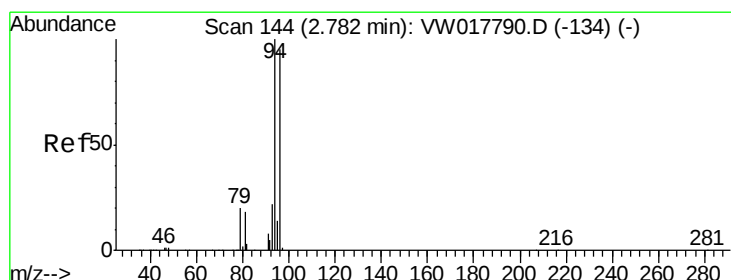
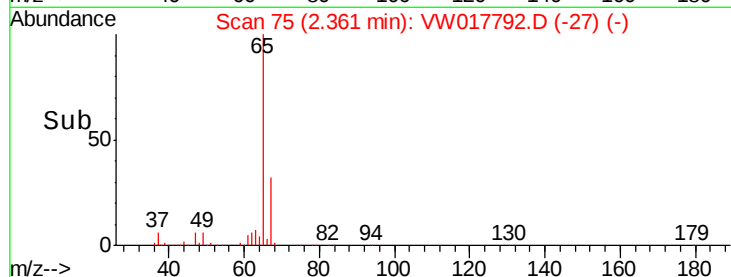
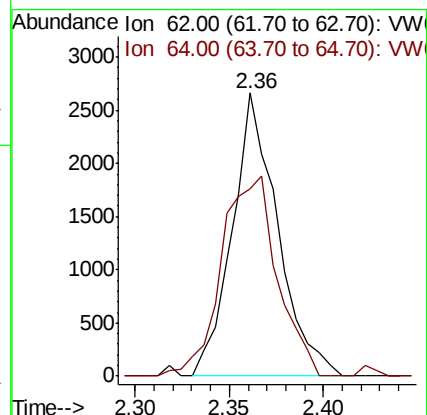
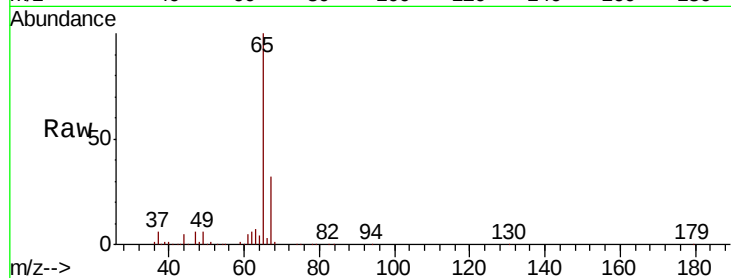
MDL-SOIL-QT1-2021-02

Tot Ion: 62 Resp: 4449

Ion Ratio Lower Upper

62 100

64 66.1 24.2 45.0#



#6

Bromomethane

Concen: 0.787 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017792.D

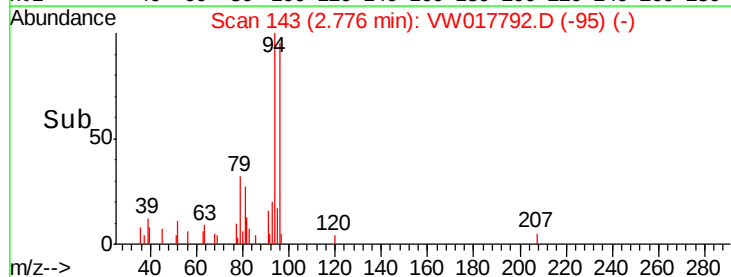
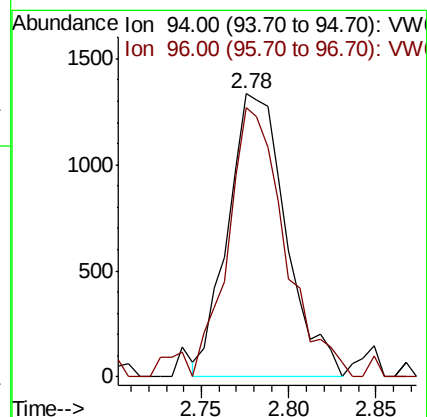
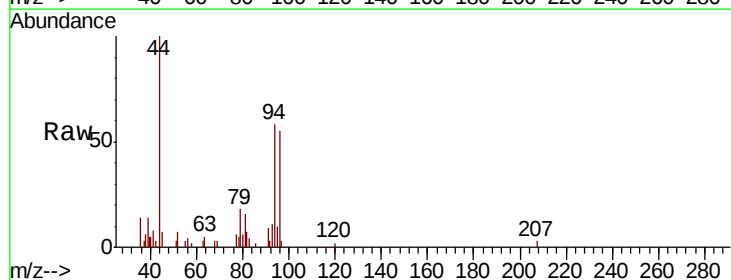
Acq: 05 Jan 2021 12:07

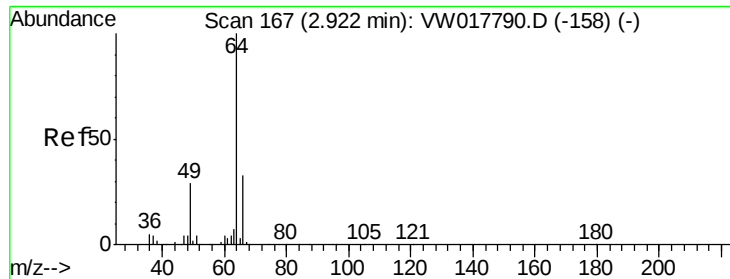
Tgt Ion: 94 Resp: 3085

Ion Ratio Lower Upper

94 100

96 95.3 65.3 121.3





#8

Chloroethane

Concen: 0.887 ug/L

RT: 2.93 min Scan# 168

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

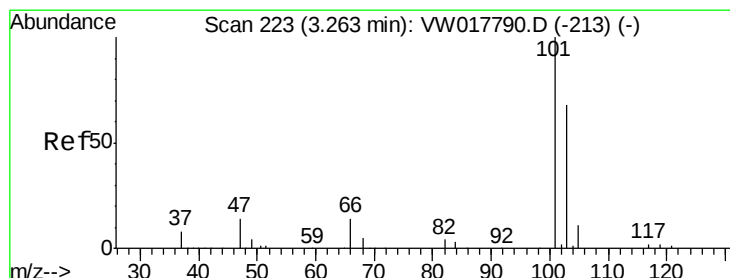
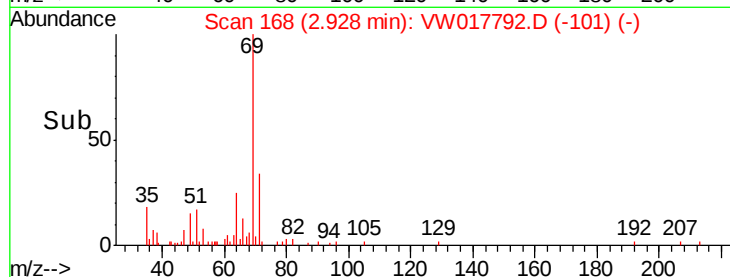
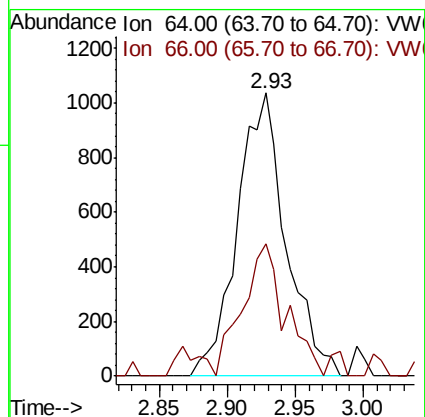
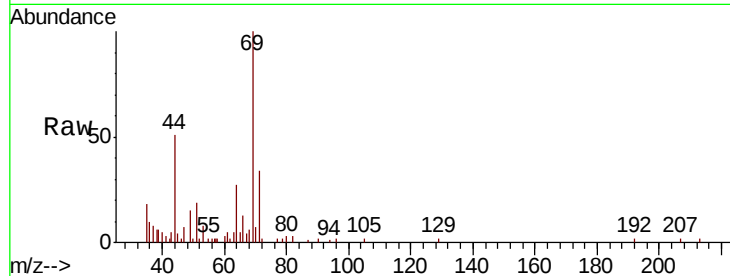
MDL-SOIL-QT1-2021-02

Tot Ion: 64 Resp: 2600

Ion Ratio Lower Upper

64 100

66 46.9 23.4 43.6#



#9

Trichlorofluoromethane

Concen: 0.711 ug/L

RT: 3.26 min Scan# 223

Delta R.T. -0.00 min

Lab File: VW017792.D

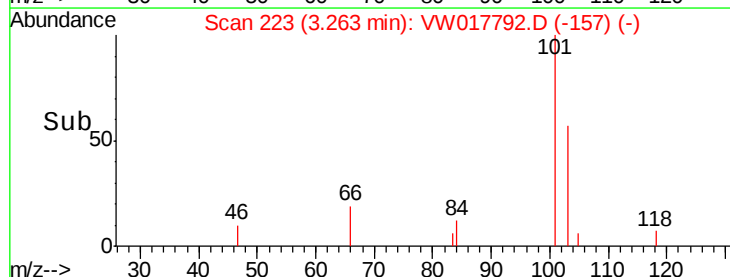
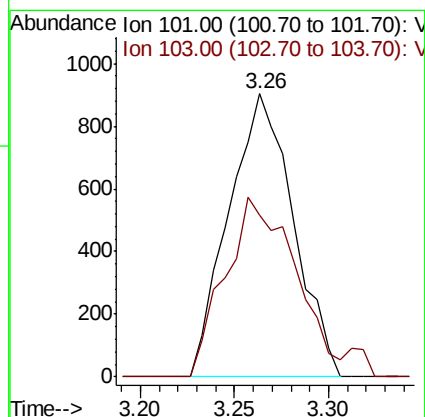
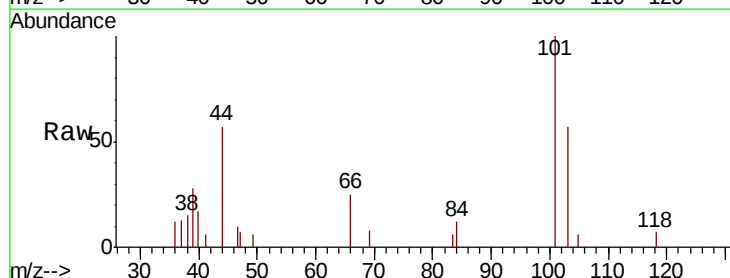
Acq: 05 Jan 2021 12:07

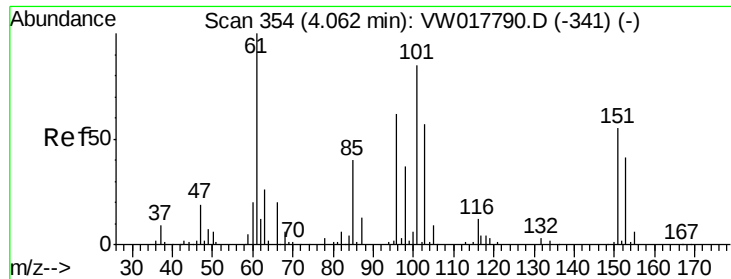
Tgt Ion: 101 Resp: 2142

Ion Ratio Lower Upper

101 100

103 69.3 51.0 76.4





#10

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

Concen: 0.371 ug/L

RT: 4.06 min Scan# 353

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

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MDL-SOIL-QT1-2021-02

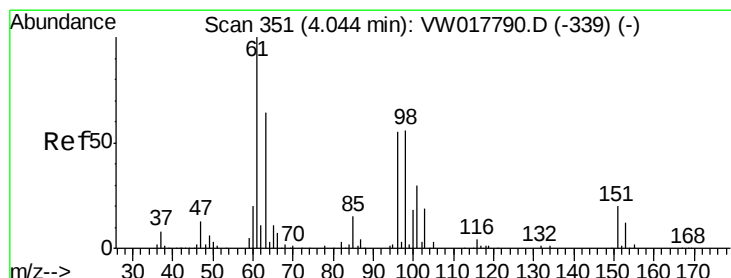
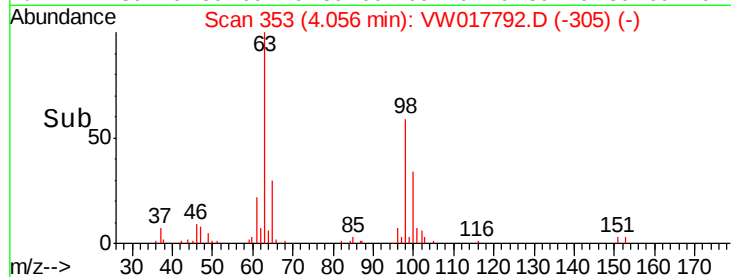
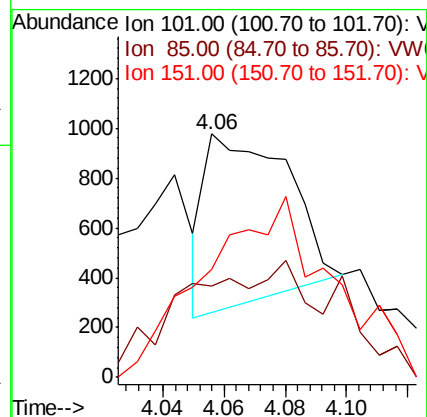
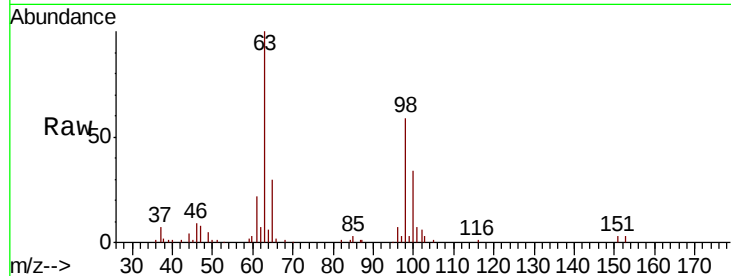
Tot Ion:101 Resp: 1280

Ion Ratio Lower Upper

101 100

85 63.4 38.2 57.2#

151 88.8 56.6 85.0#



#12

1,1-Dichloroethene

Concen: 0.798 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

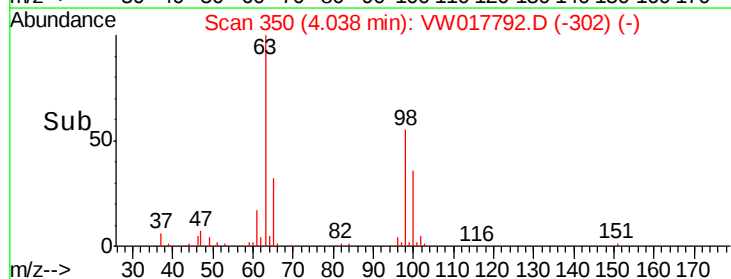
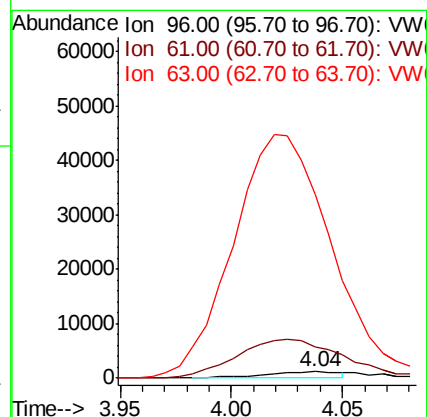
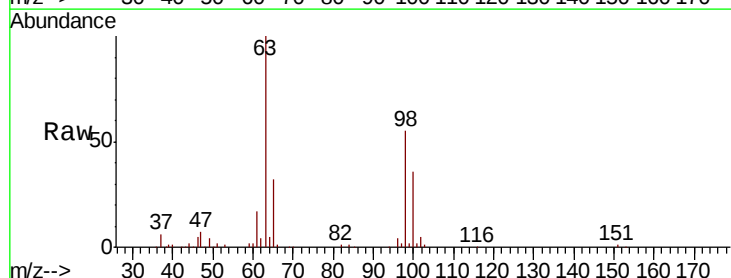
Tgt Ion: 96 Resp: 2613

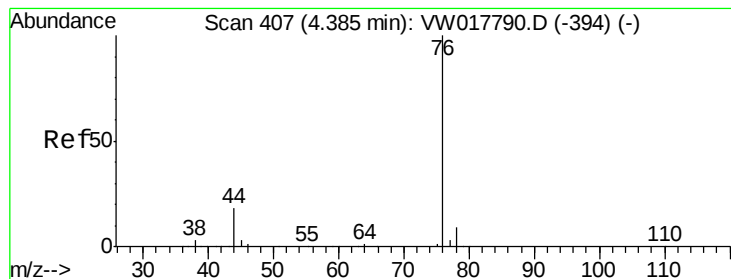
Ion Ratio Lower Upper

96 100

61 468.1 118.1 219.3#

63 2808.3 83.7 155.5#





#14

Carbon disulfide

Concen: 0.809 ug/L

RT: 4.39 min Scan# 408

Delta R.T. 0.01 min

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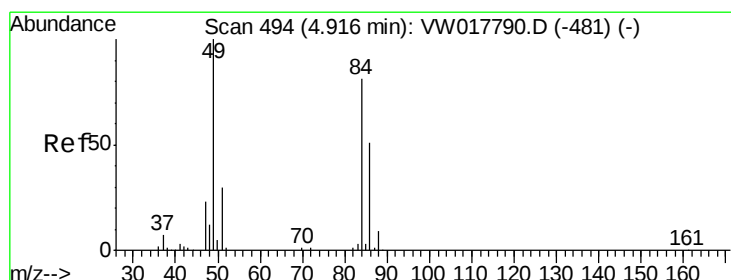
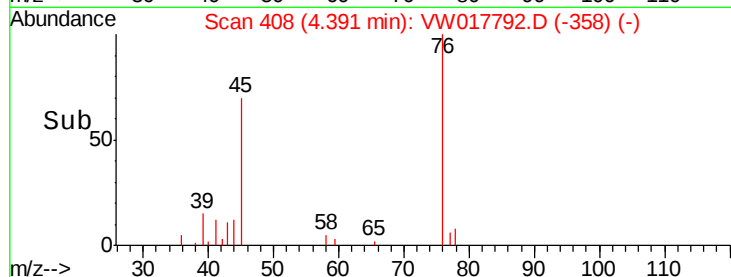
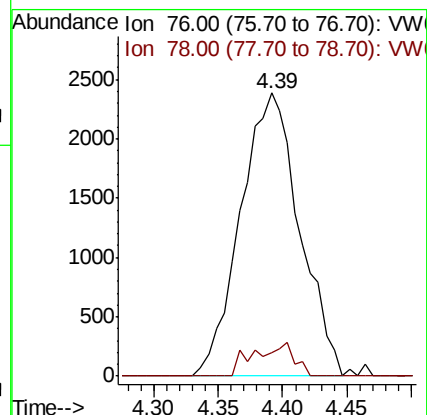
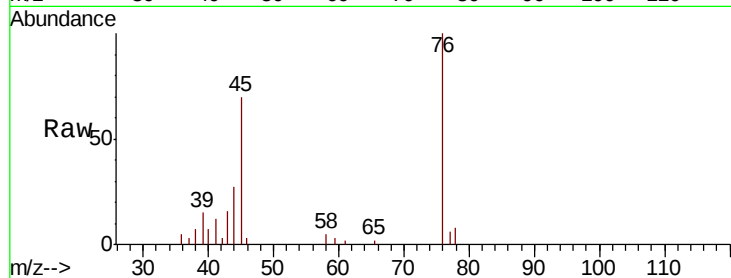
MDL-SOIL-QT1-2021-02

Tot Ion: 76 Resp: 7595

Ion Ratio Lower Upper

76 100

78 8.2 7.4 11.0



#16

Methylene chloride

Concen: 1.885 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

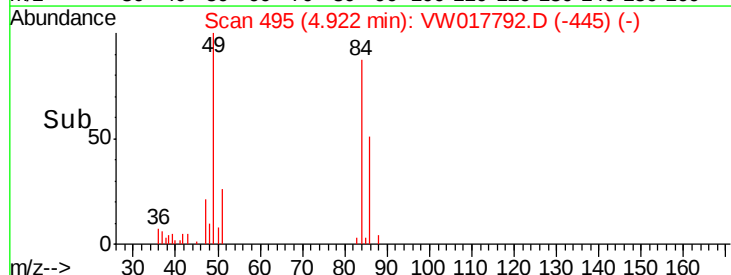
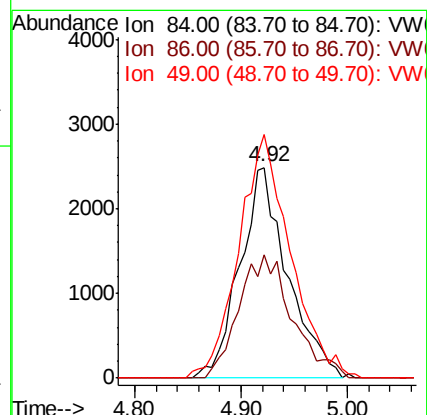
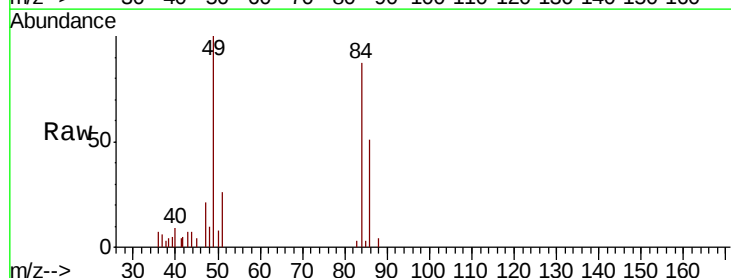
Tgt Ion: 84 Resp: 7794

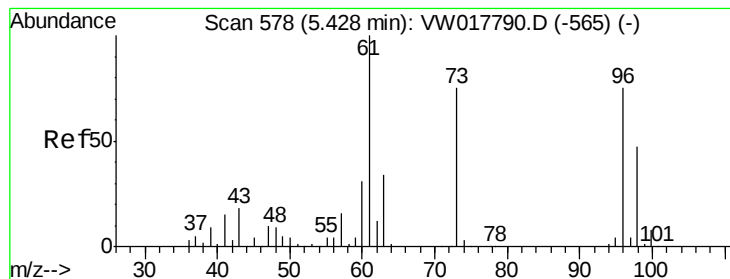
Ion Ratio Lower Upper

84 100

86 58.7 45.3 84.1

49 115.6 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 0.578 ug/L

RT: 5.42 min Scan# 577

Delta R.T. -0.01 min

Lab File: VW017792.D

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ClientSampleId :

MDL-SOIL-QT1-2021-02

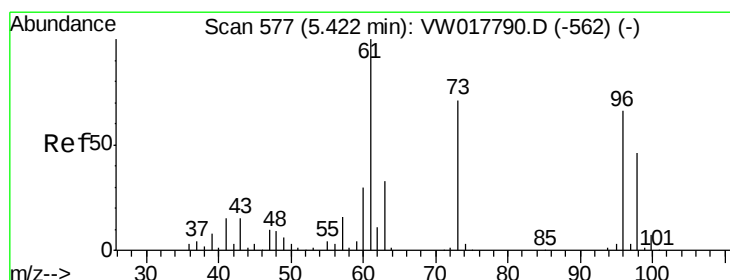
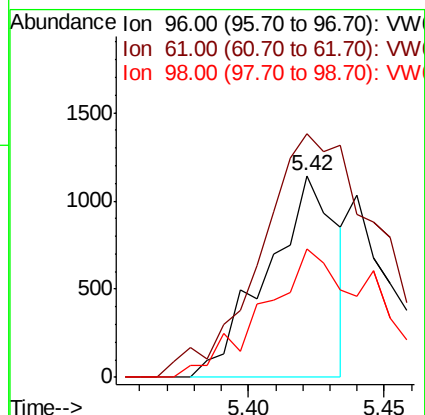
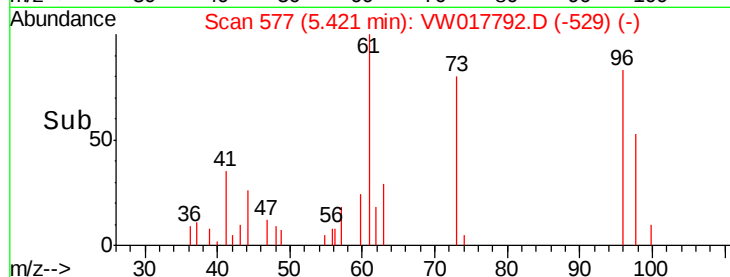
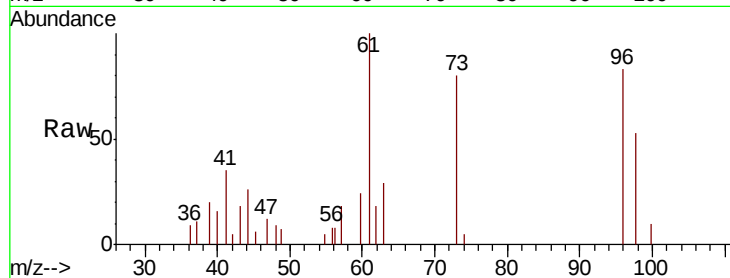
Tot Ion: 96 Resp: 2030

Ion Ratio Lower Upper

96 100

61 120.7 98.3 182.7

98 63.5 46.1 85.7



#18

Methyl tert-butyl Ether

Concen: 0.830 ug/L

RT: 5.43 min Scan# 579

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

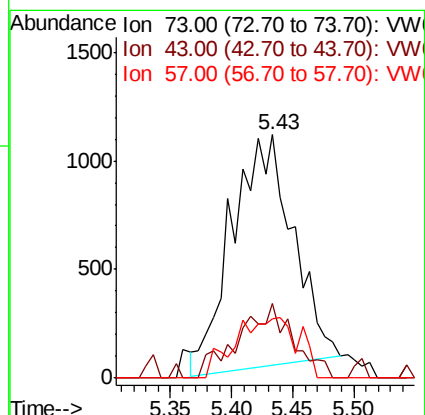
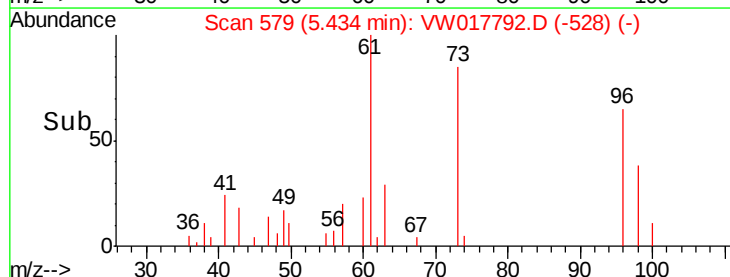
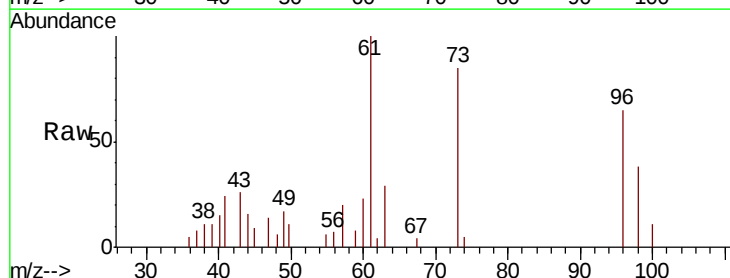
Tgt Ion: 73 Resp: 3712

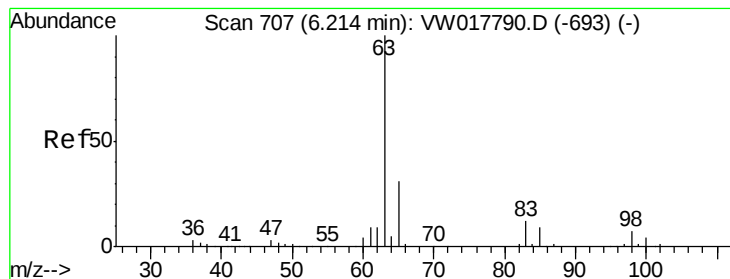
Ion Ratio Lower Upper

73 100

43 11.3 17.7 26.5#

57 13.8 17.0 25.4#





#19

1,1-Dichloroethane

Concen: 0.875 ug/L

RT: 6.21 min Scan# 707

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

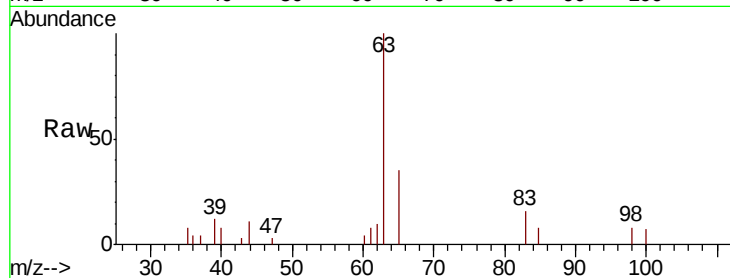
Tot Ion: 63 Resp: 5445

Ion Ratio Lower Upper

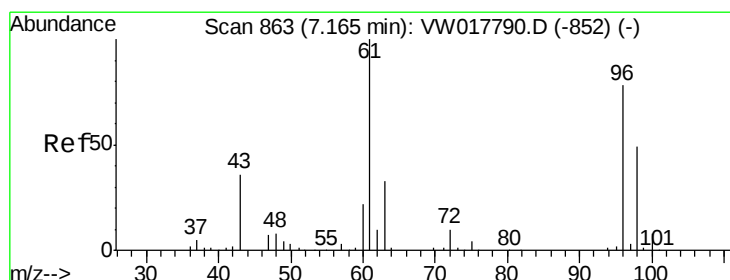
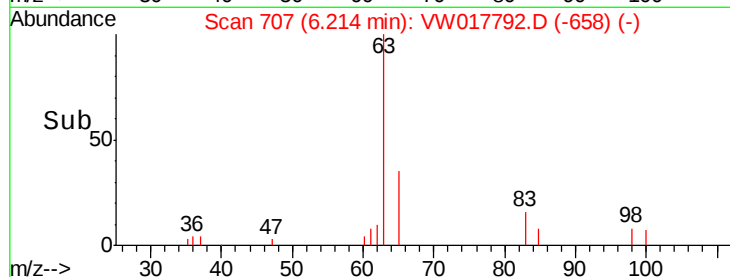
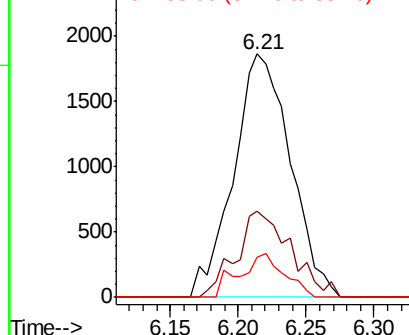
63 100

65 35.4 22.9 42.5

83 16.5 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: 0.581 ug/L

RT: 7.17 min Scan# 864

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

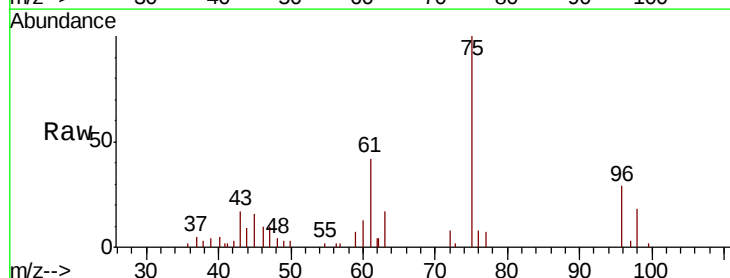
Tgt Ion: 96 Resp: 2183

Ion Ratio Lower Upper

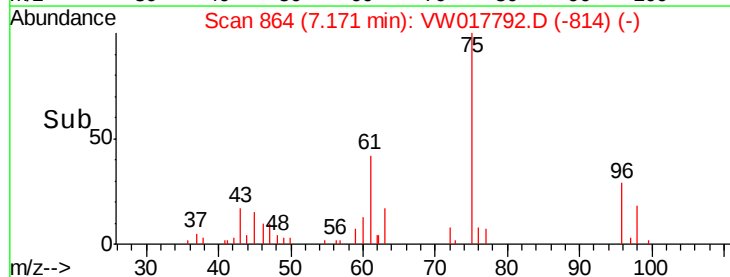
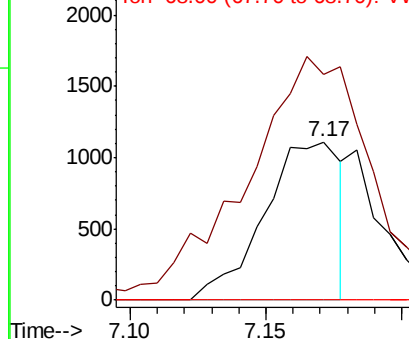
96 100

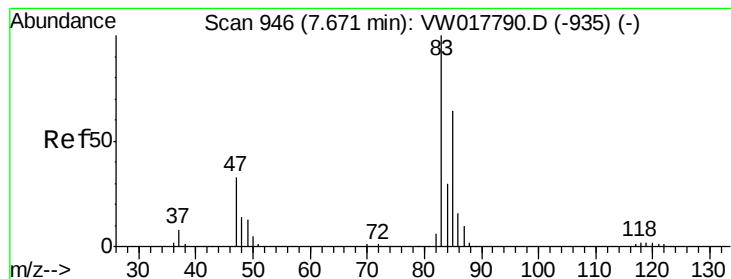
61 142.6 88.5 164.3

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 68.00 (67.70 to 68.70): VW





#25

Chloroform

Concen: 1.031 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

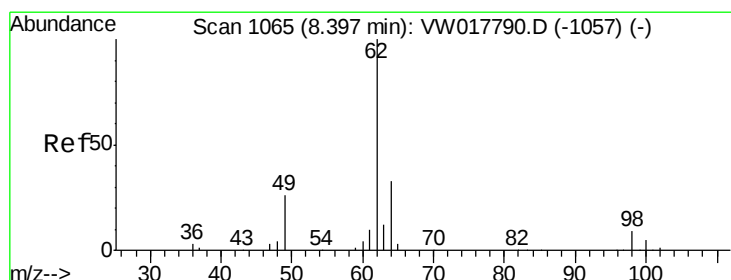
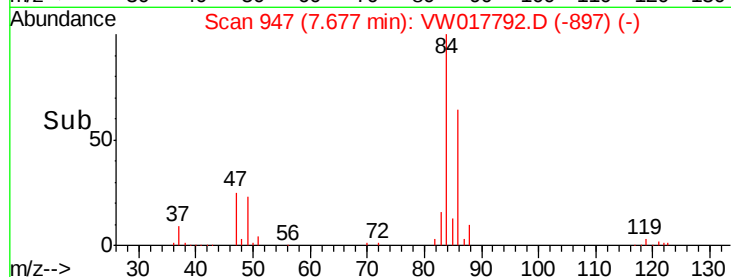
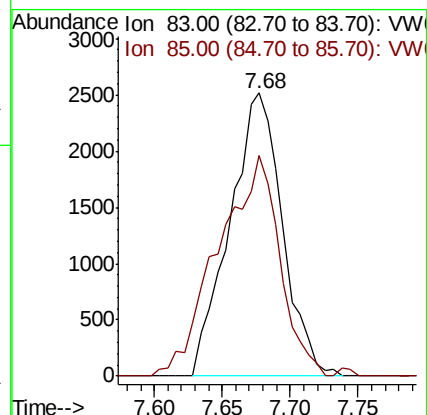
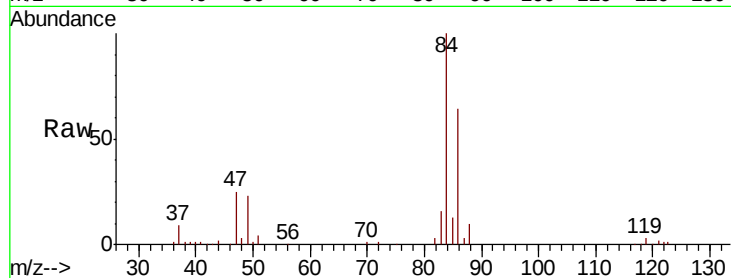
MDL-SOIL-QT1-2021-02

Tot Ion: 83 Resp: 6799

Ion Ratio Lower Upper

83 100

85 77.8 44.6 82.8



#27

1,2-Dichloroethane

Concen: 0.997 ug/L

RT: 8.40 min Scan# 1065

Delta R.T. -0.00 min

Lab File: VW017792.D

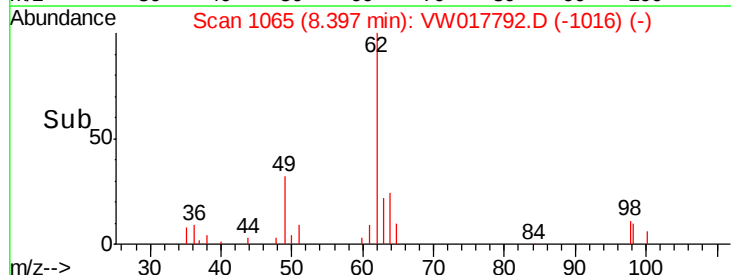
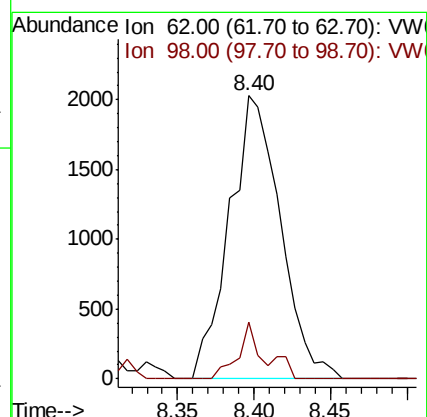
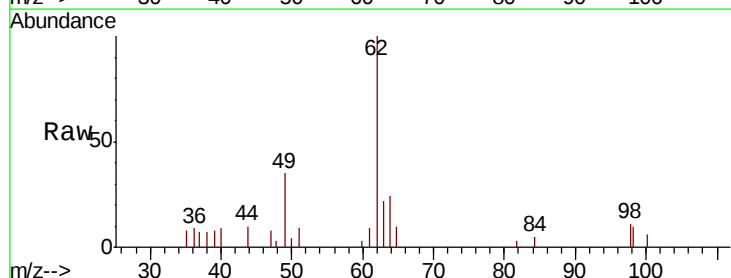
Acq: 05 Jan 2021 12:07

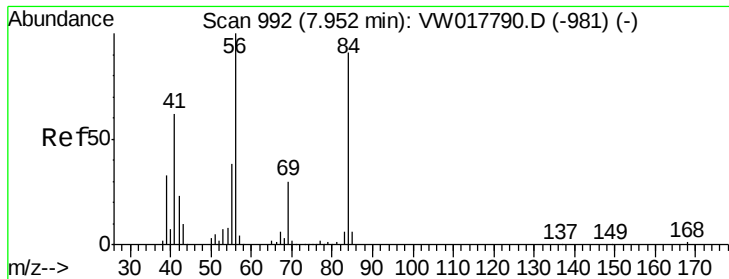
Tgt Ion: 62 Resp: 4698

Ion Ratio Lower Upper

62 100

98 20.3 6.9 10.3#

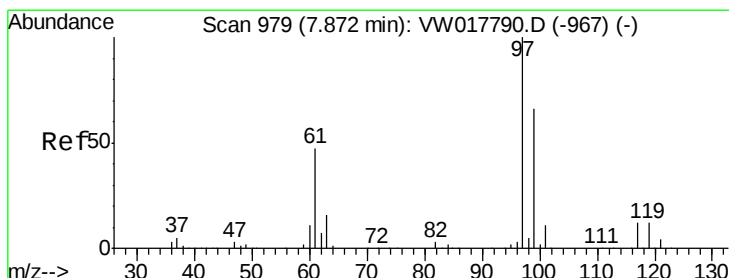
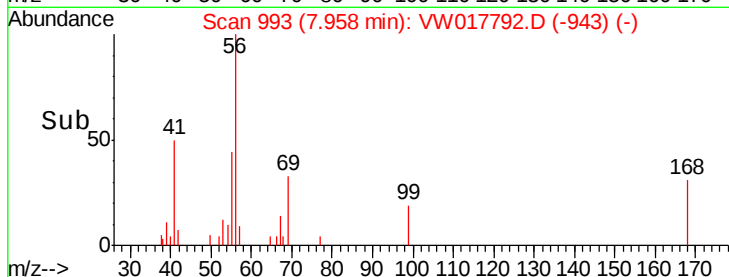
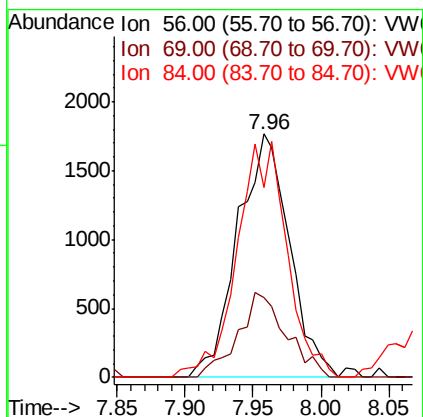
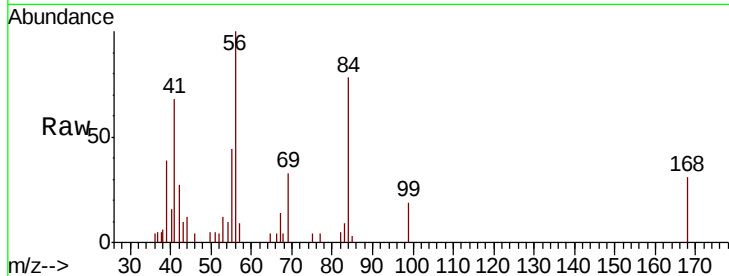




#29
Cyclohexane
Concen: 0.858 ug/L
RT: 7.96 min Scan# 993
Delta R.T. 0.01 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

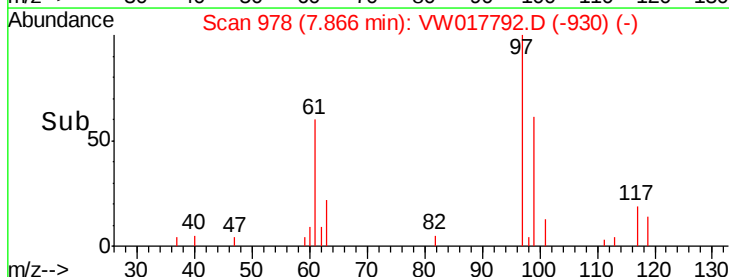
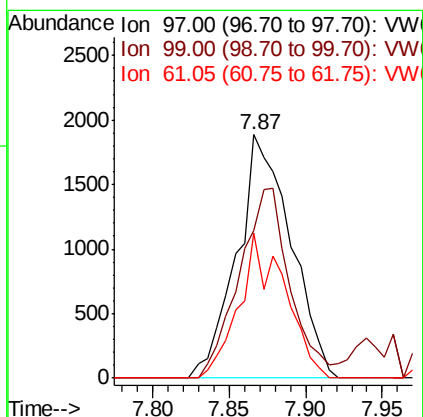
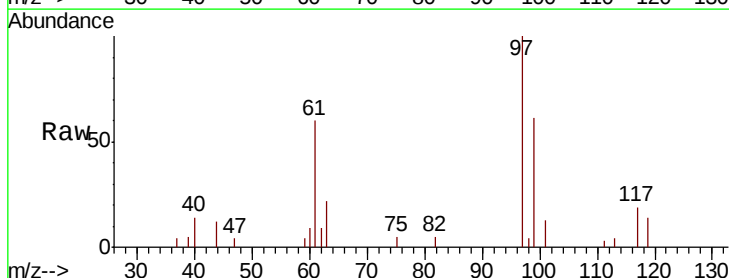
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

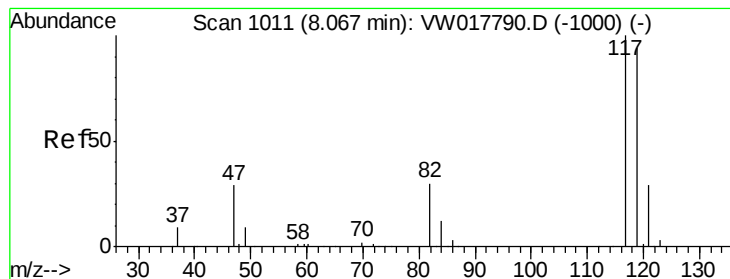
Tot Ion: 56 Resp: 4707
Ion Ratio Lower Upper
56 100
69 32.3 24.5 36.7
84 53.6 75.0 112.4#



#30
1,1,1-Trichloroethane
Concen: 0.858 ug/L
RT: 7.87 min Scan# 978
Delta R.T. -0.01 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion: 97 Resp: 4614
Ion Ratio Lower Upper
97 100
99 0.0 51.4 77.2#
61 27.5 37.8 56.6#





#31

Carbon tetrachloride

Concen: 0.894 ug/L

RT: 8.07 min Scan# 1011

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

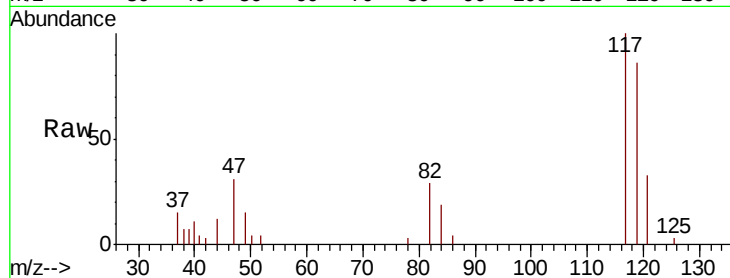
MDL-SOIL-QT1-2021-02

Tot Ion:117 Resp: 4513

Ion Ratio Lower Upper

117 100

119 91.1 76.5 114.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8.07

1500

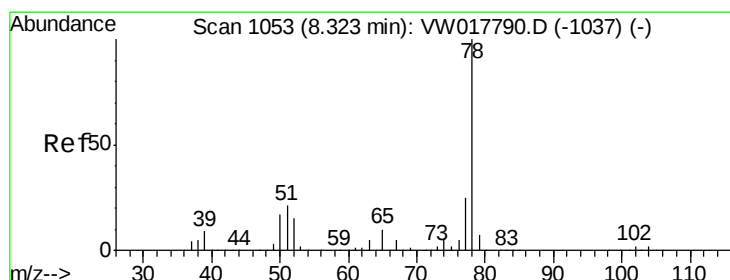
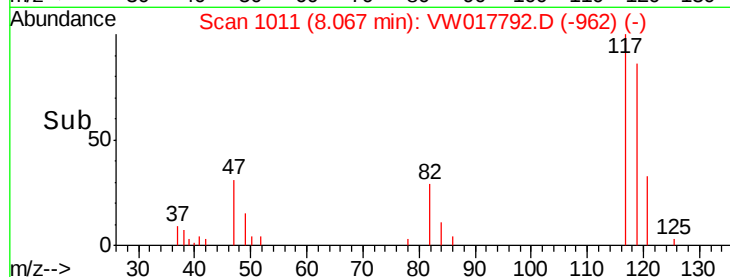
1000

500

0

8.00 8.05 8.10 8.15

Time-->



#33

Benzene

Concen: 0.853 ug/L

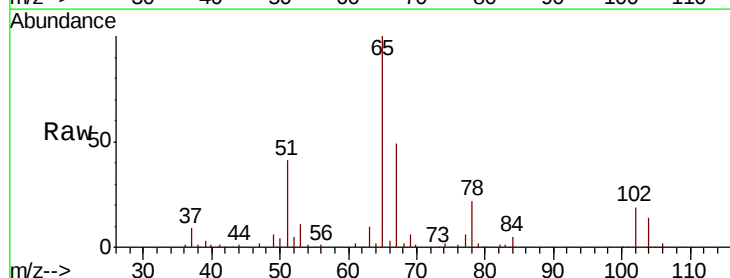
RT: 8.32 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion: 78 Resp: 11644



Abundance Ion 78.00 (77.70 to 78.70): VW

6000

5000

4000

3000

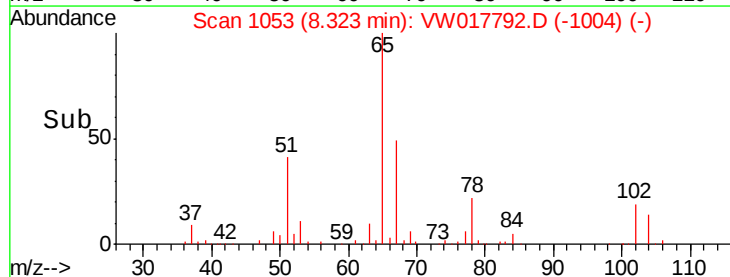
2000

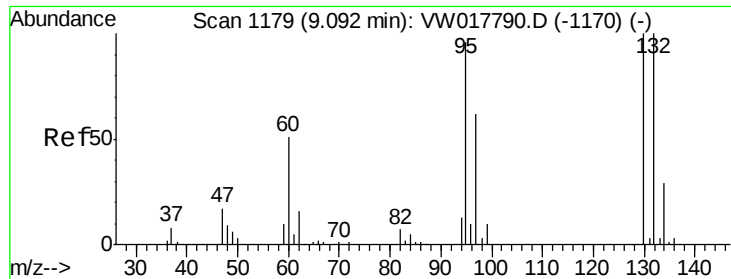
1000

0

8.30 8.35 8.40

Time-->





#34

Trichloroethene

Concen: 0.919 ug/L

RT: 9.09 min Scan# 1179

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion: 95 Resp: 3427

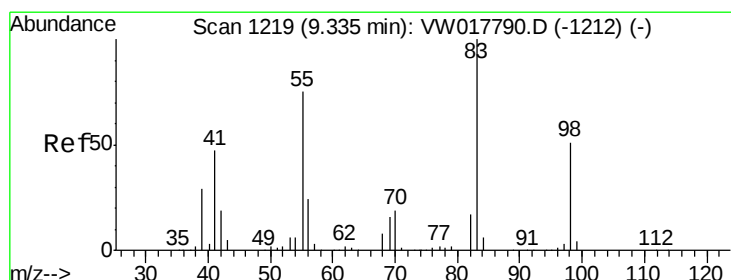
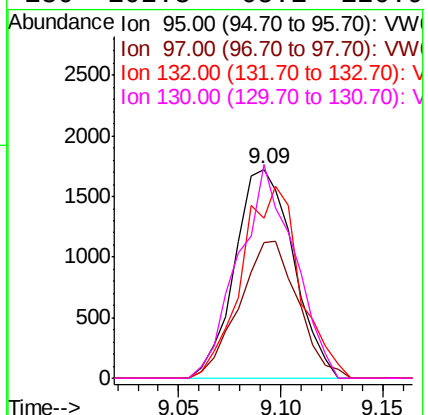
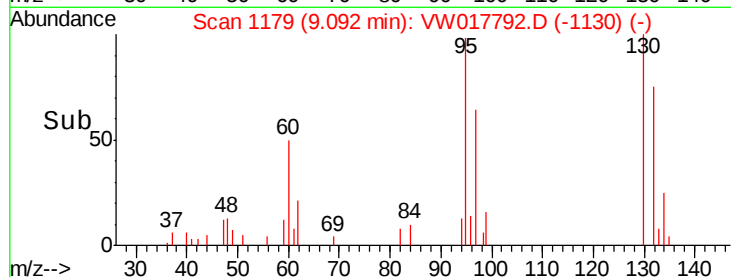
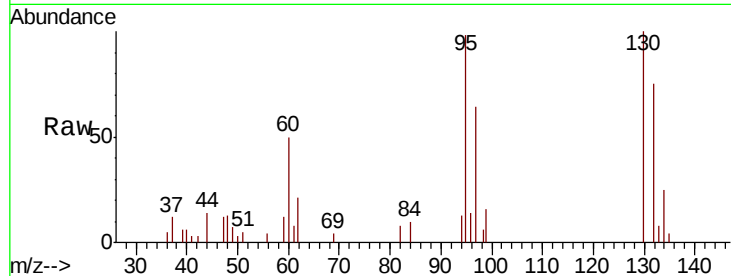
Ion Ratio Lower Upper

95 100

97 65.2 47.3 87.8

132 76.7 71.0 131.8

130 102.3 65.1 120.9



#35

Methylcyclohexane

Concen: 0.809 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

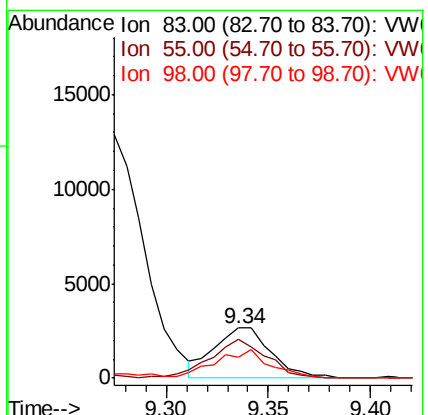
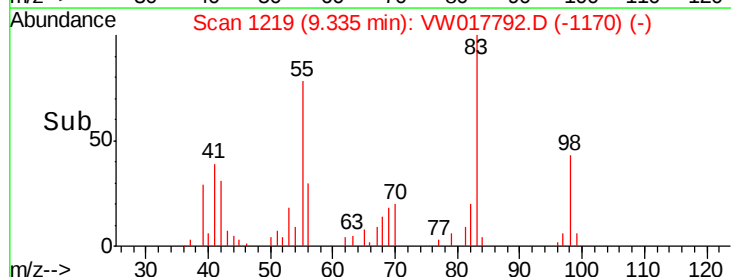
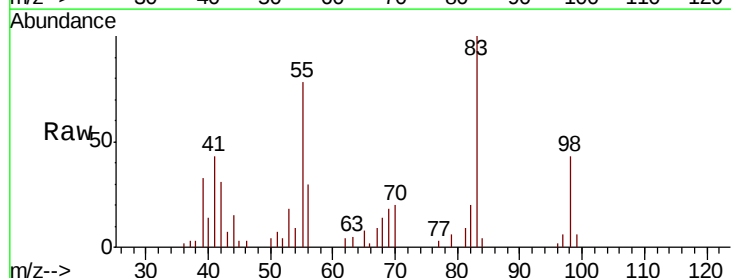
Tgt Ion: 83 Resp: 5162

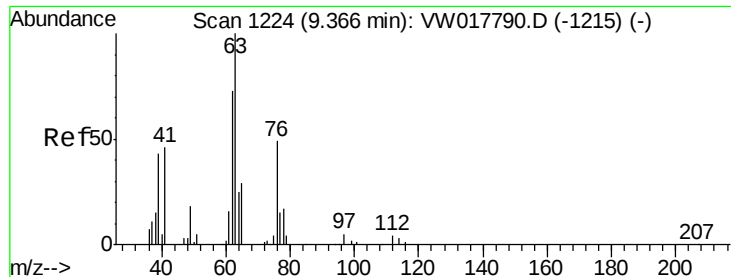
Ion Ratio Lower Upper

83 100

55 77.5 58.9 88.3

98 53.9 40.1 60.1





#37

1,2-Dichloropropane

Concen: 0.975 ug/L

RT: 9.37 min Scan# 1224

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

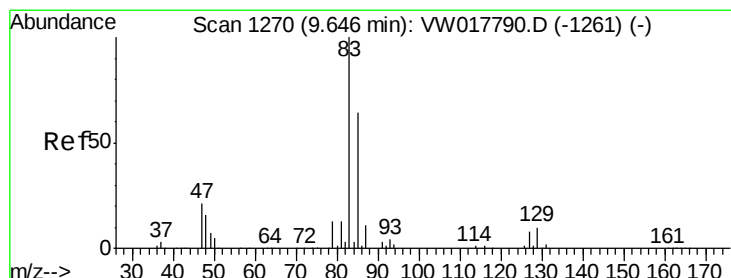
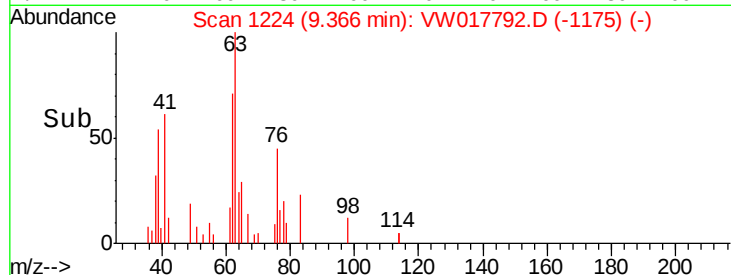
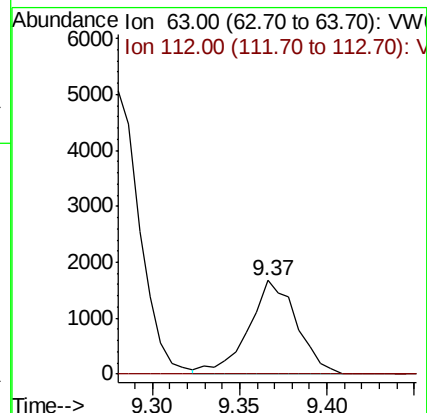
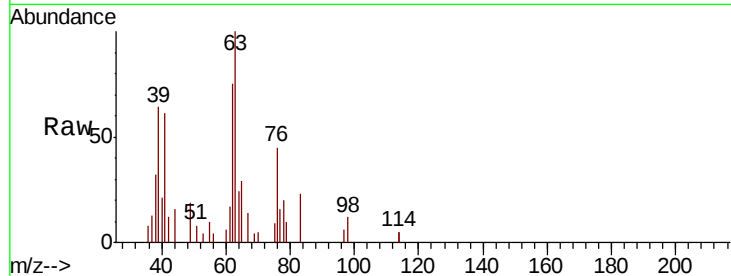
MDL-SOIL-QT1-2021-02

Tot Ion: 63 Resp: 3222

Ion Ratio Lower Upper

63 100

112 0.0 3.9 5.9#



#38

Bromodichloromethane

Concen: 0.893 ug/L

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

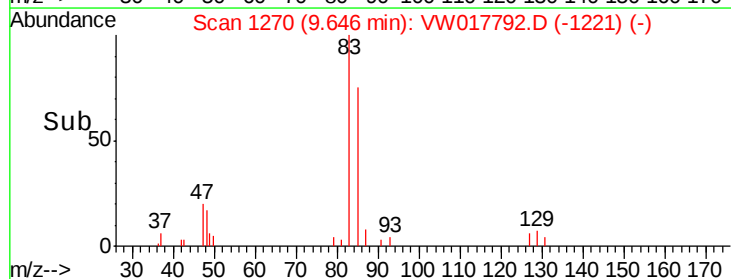
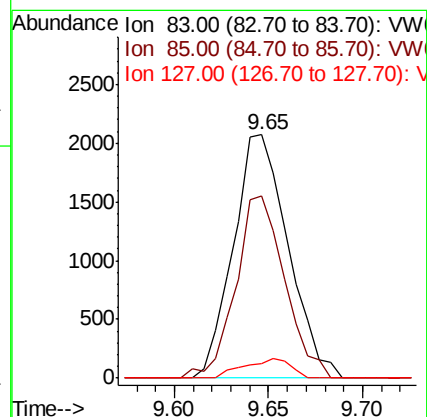
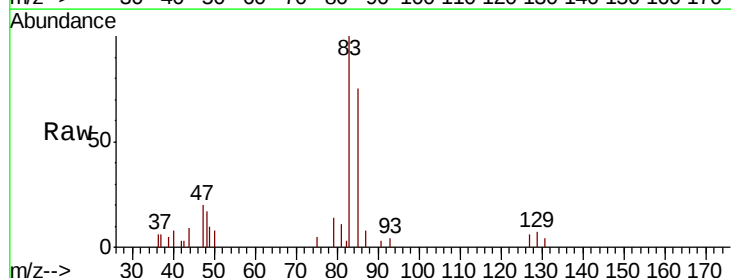
Tgt Ion: 83 Resp: 4168

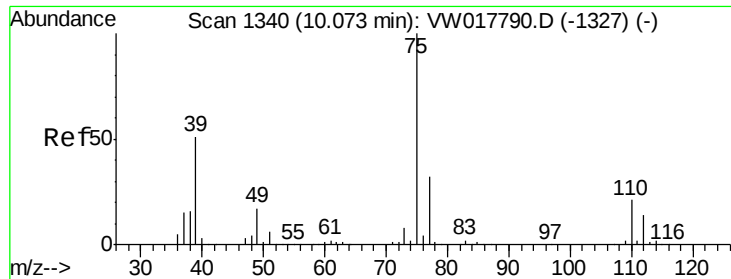
Ion Ratio Lower Upper

83 100

85 74.7 42.3 78.5

127 6.2 6.6 9.8#

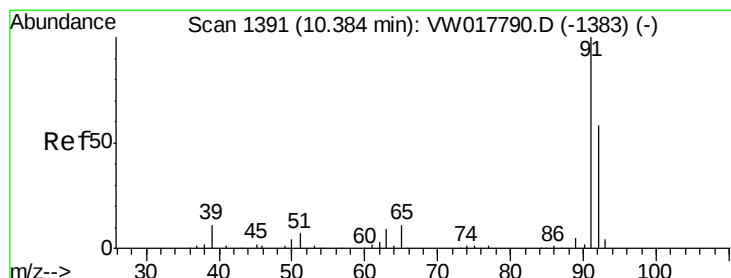
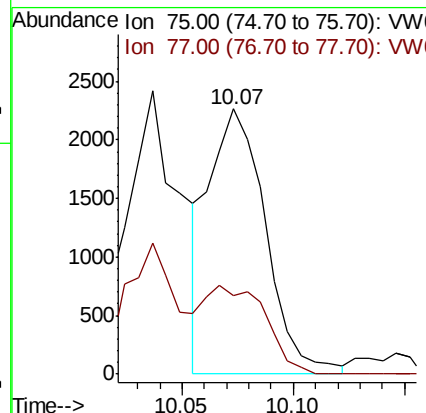
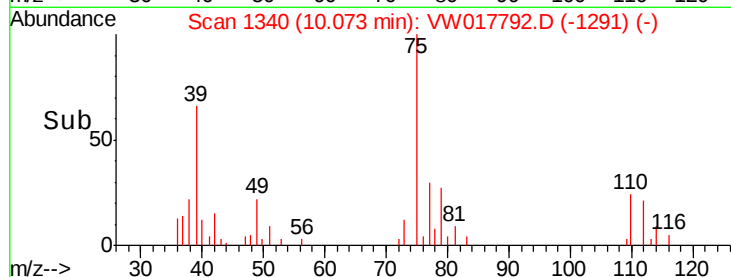
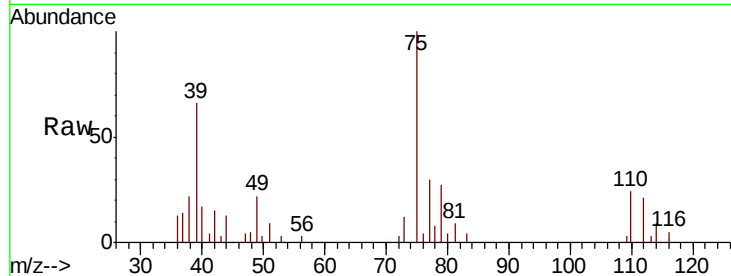




#39
 cis-1,3-Dichloropropene
 Concen: 0.756 ug/L
 RT: 10.07 min Scan# 1340
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

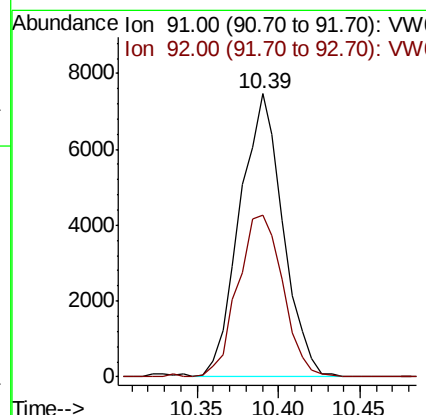
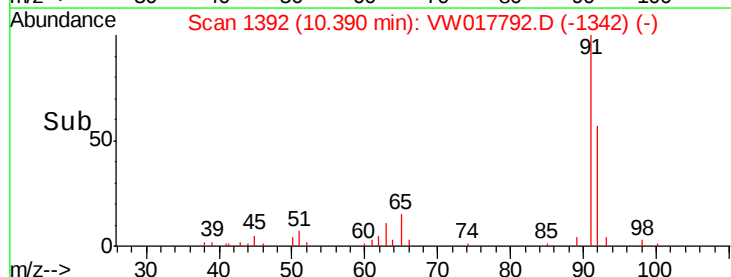
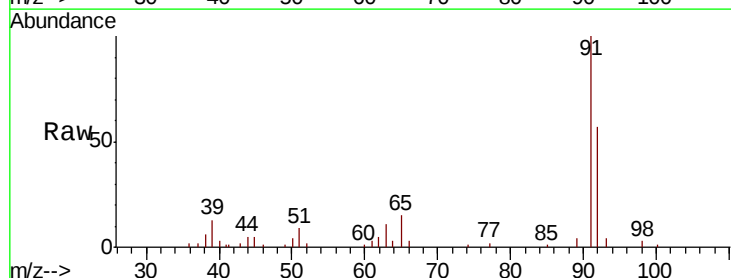
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

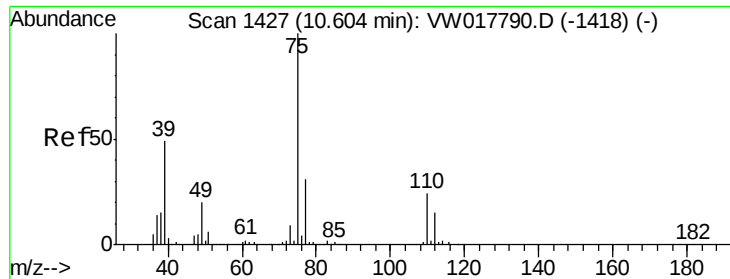
Tot Ion: 75 Resp: 3989
 Ion Ratio Lower Upper
 75 100
 77 29.5 22.6 42.0



#42
 Toluene
 Concen: 0.892 ug/L
 RT: 10.39 min Scan# 1392
 Delta R.T. 0.01 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion: 91 Resp: 13794
 Ion Ratio Lower Upper
 91 100
 92 57.3 39.5 73.3





#44

trans-1,3-Dichloropropene

Concen: 0.611 ug/L

RT: 10.61 min Scan# 1428

Delta R.T. 0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

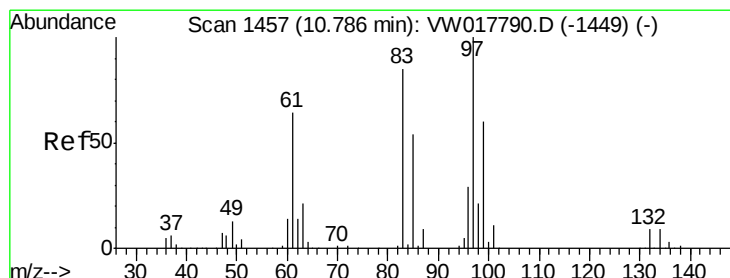
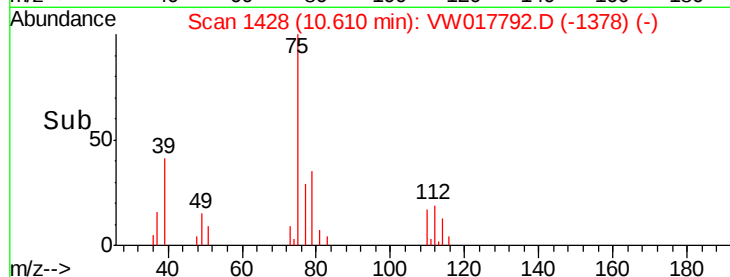
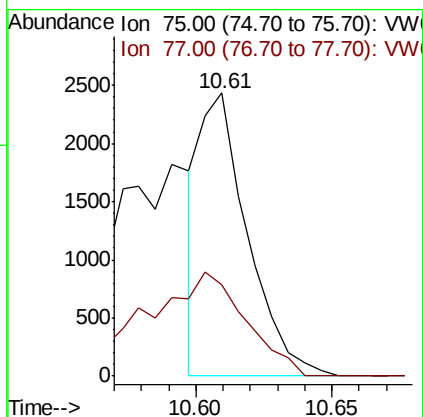
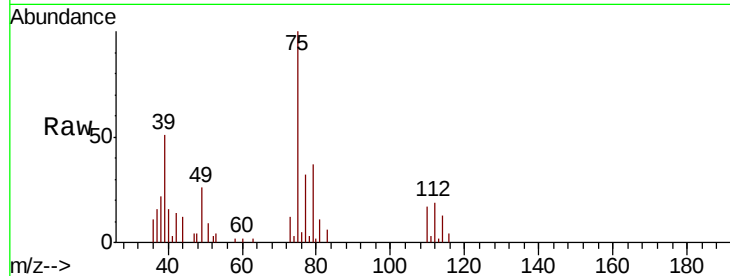
MDL-SOIL-QT1-2021-02

Tot Ion: 75 Resp: 2941

Ion Ratio Lower Upper

75 100

77 32.4 21.1 39.1



#45

1,1,2-Trichloroethane

Concen: 0.981 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion: 97 Resp: 2720

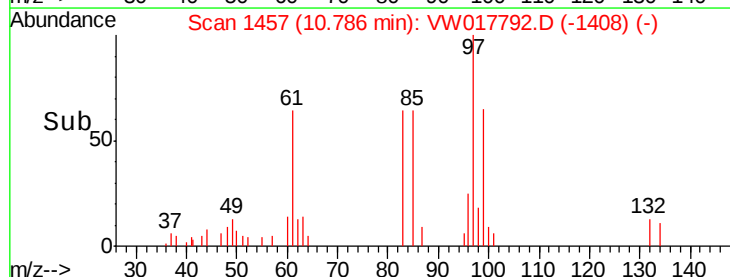
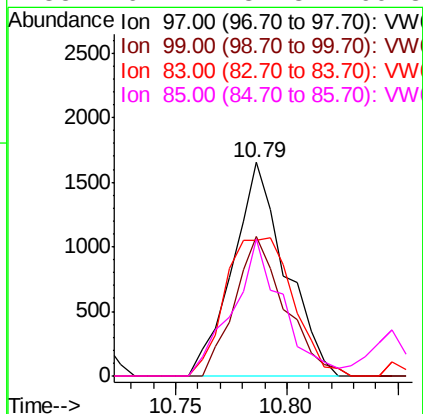
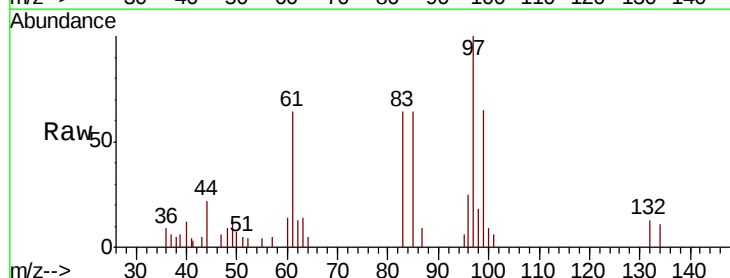
Ion Ratio Lower Upper

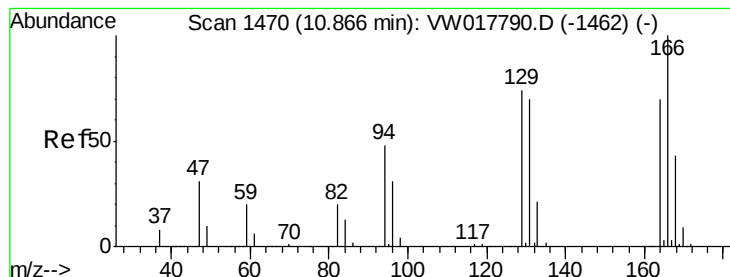
97 100

99 65.3 45.1 83.7

83 63.7 58.1 107.9

85 64.4 37.3 69.3





#46

Tetrachloroethene

Concen: 0.964 ug/L

RT: 10.87 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

Tot Ion:164 Resp: 2755

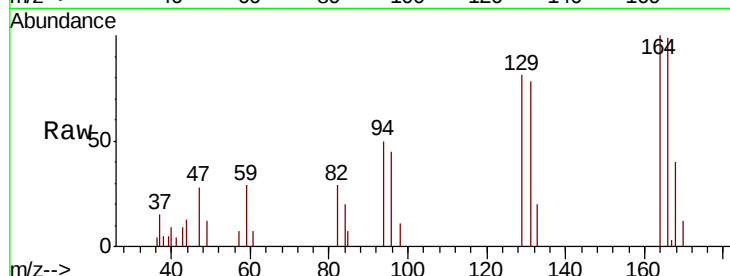
Ion Ratio Lower Upper

164 100

129 81.2 66.7 123.9

131 77.7 61.1 113.5

166 99.1 87.0 161.6



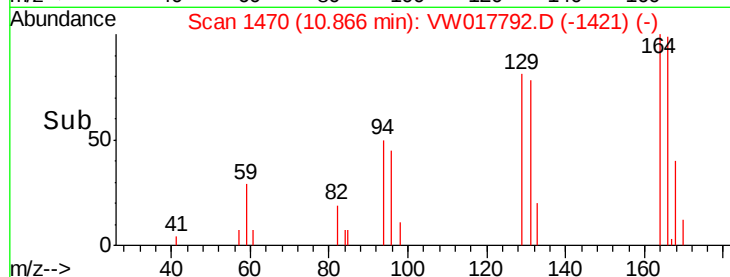
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



Abundance

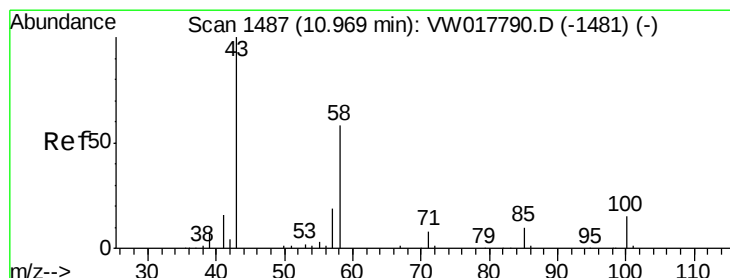
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->



#48

2-Hexanone

Concen: 2.659 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion: 43 Resp: 4369

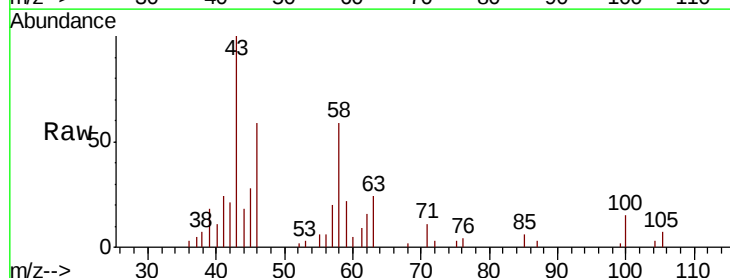
Ion Ratio Lower Upper

43 100

58 62.3 42.7 64.1

57 14.2 15.8 23.8#

100 12.1 10.0 15.0



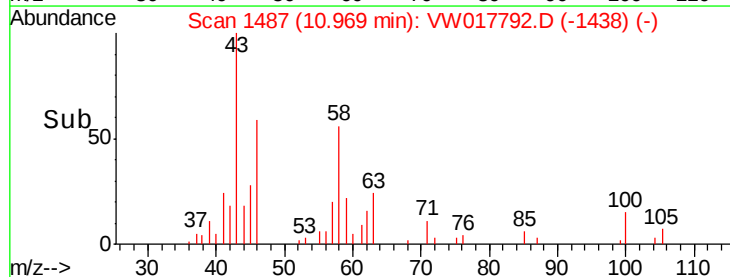
Abundance Ion 43.00 (42.70 to 43.70): VW

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

Time-->



Abundance

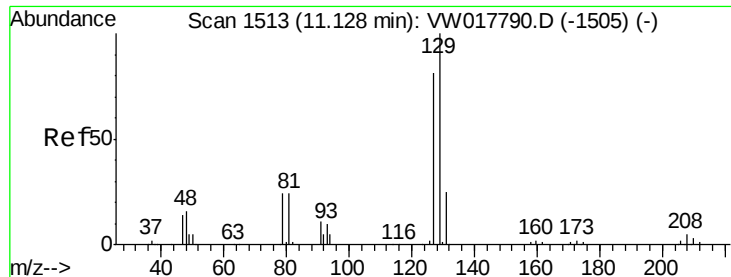
Ion 43.00 (42.70 to 43.70): VW

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

Time-->



#49

Dibromochloromethane

Concen: 0.792 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

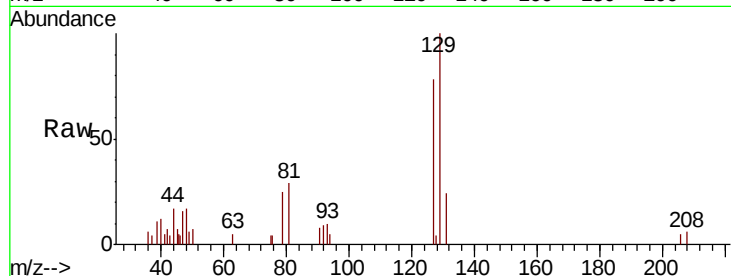
MDL-SOIL-QT1-2021-02

Tot Ion:129 Resp: 2520

Ion Ratio Lower Upper

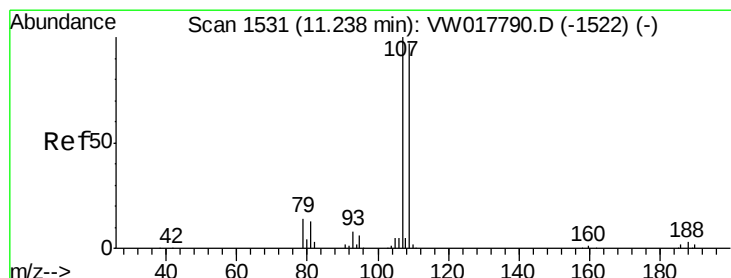
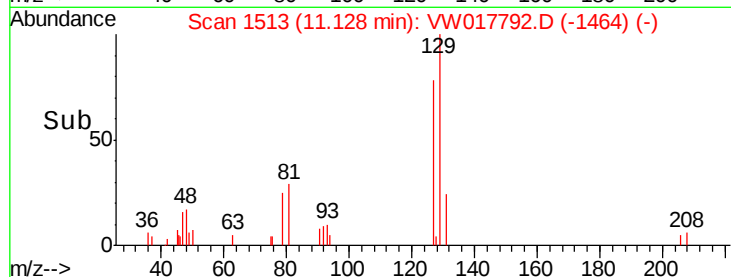
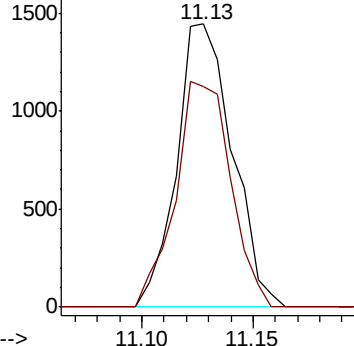
129 100

127 82.1 51.7 95.9



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 0.980 ug/L

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

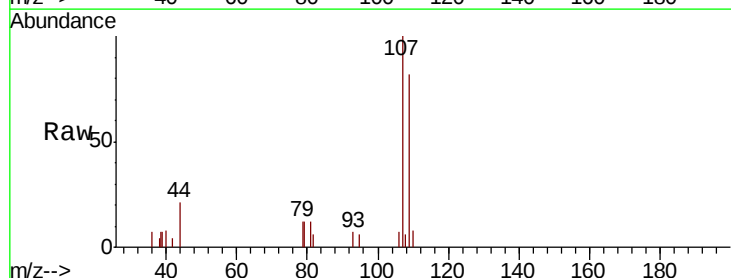
Tgt Ion:107 Resp: 2685

Ion Ratio Lower Upper

107 100

109 82.4 65.4 121.4

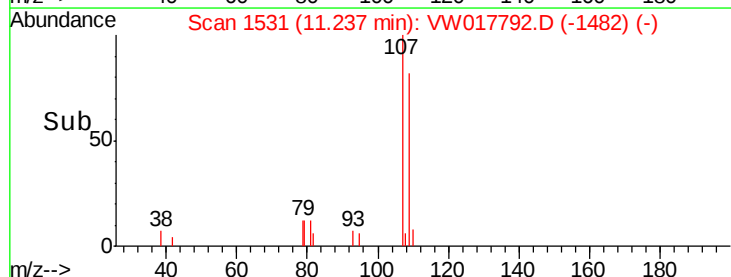
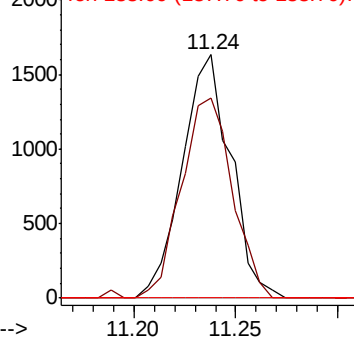
188 0.0 2.6 4.0#

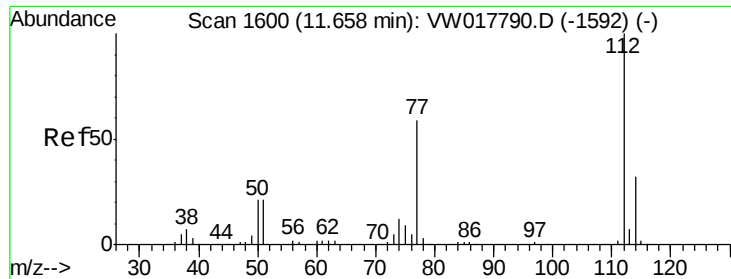


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

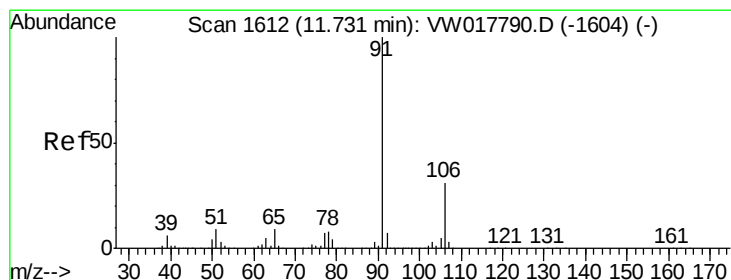
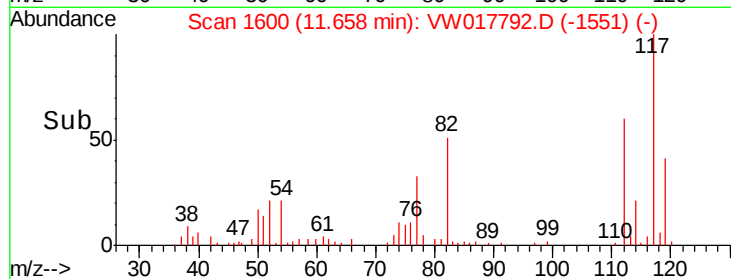
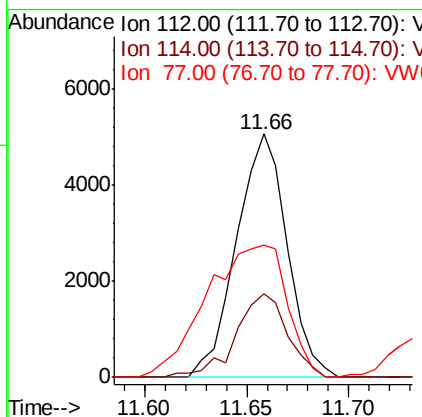
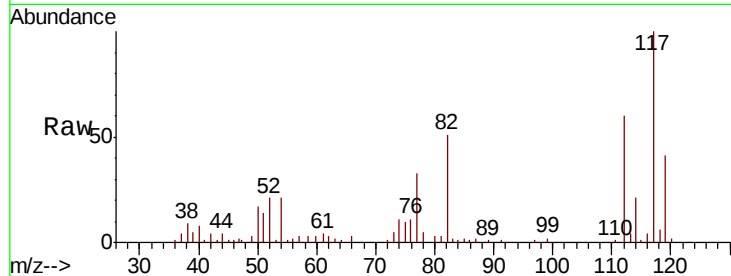




#51
Chlorobenzene
Concen: 0.890 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

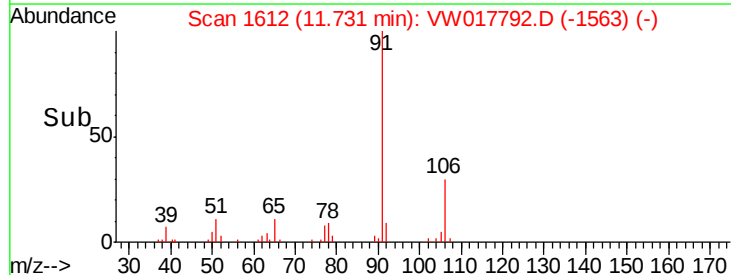
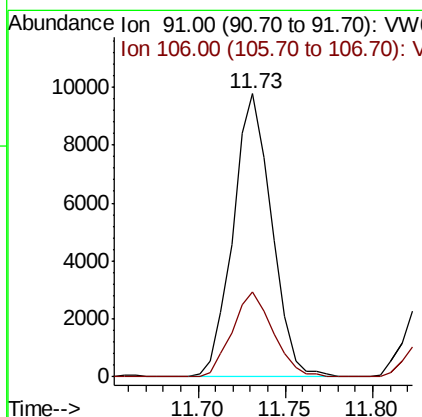
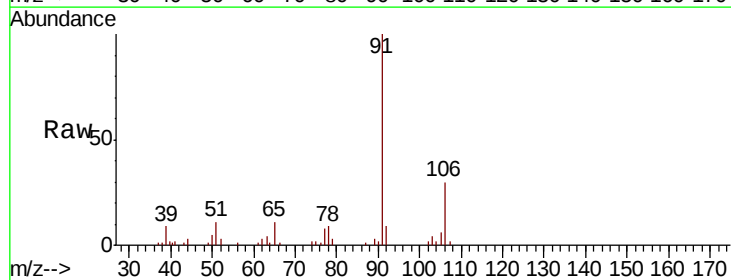
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

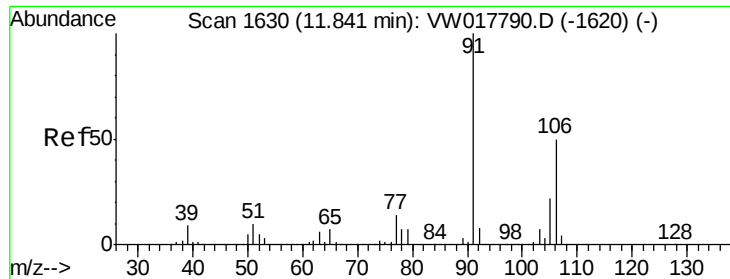
Tot Ion:112 Resp: 8735
Ion Ratio Lower Upper
112 100
114 34.5 23.4 43.6
77 54.4 47.6 71.4



#52
Ethylbenzene
Concen: 0.850 ug/L
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion: 91 Resp: 15013
Ion Ratio Lower Upper
91 100
106 29.9 22.5 41.7





#53

m,p-Xylene

Concen: 0.812 ug/L

RT: 11.83 min Scan# 1629

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

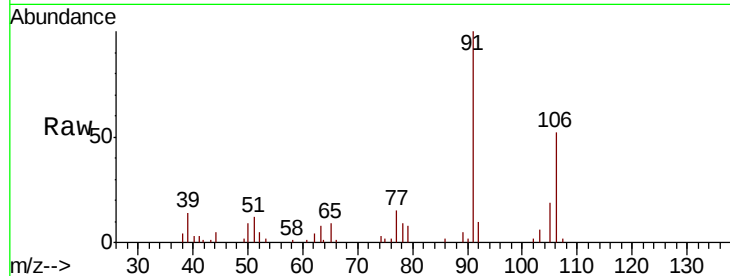
MDL-SOIL-QT1-2021-02

Tot Ion:106 Resp: 5545

Ion Ratio Lower Upper

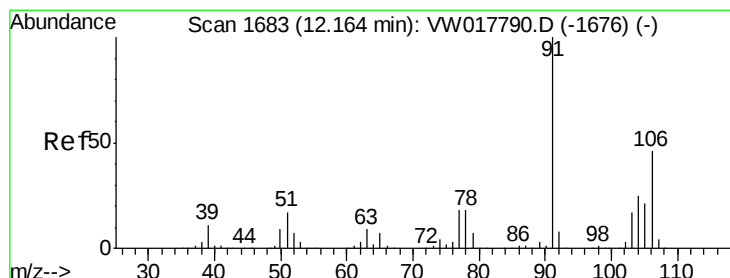
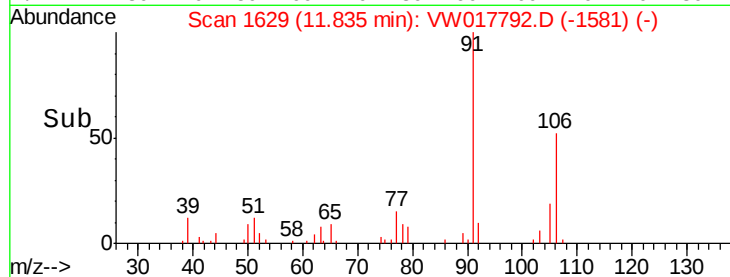
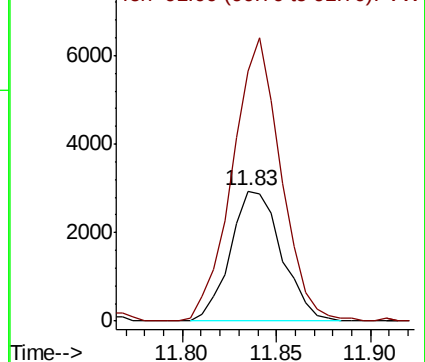
106 100

91 192.4 141.3 262.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW



#54

o-Xylene

Concen: 0.774 ug/L

RT: 12.16 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VW017792.D

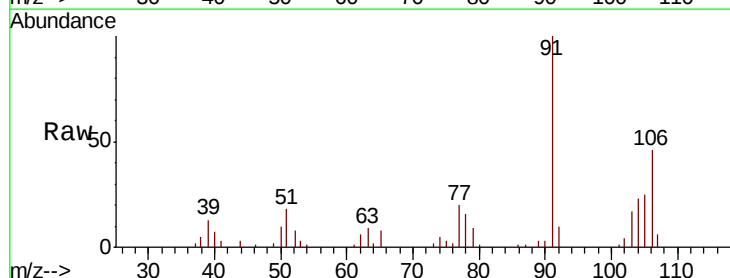
Acq: 05 Jan 2021 12:07

Tgt Ion:106 Resp: 4990

Ion Ratio Lower Upper

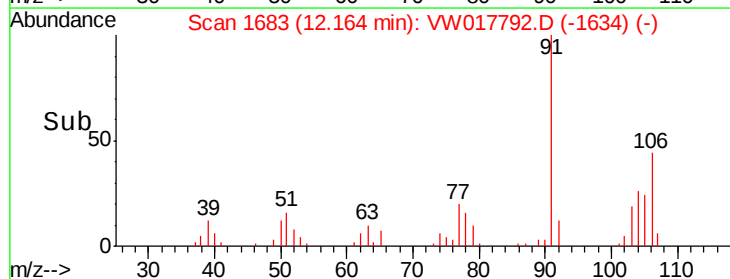
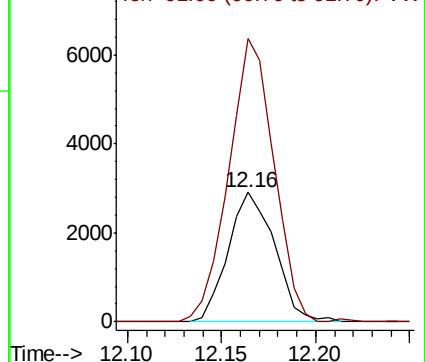
106 100

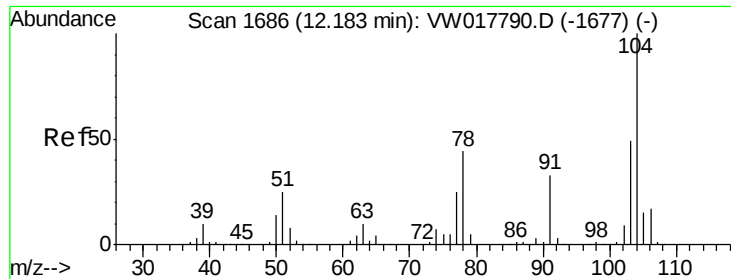
91 218.2 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

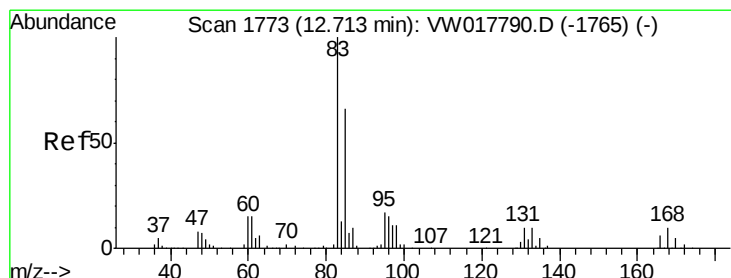
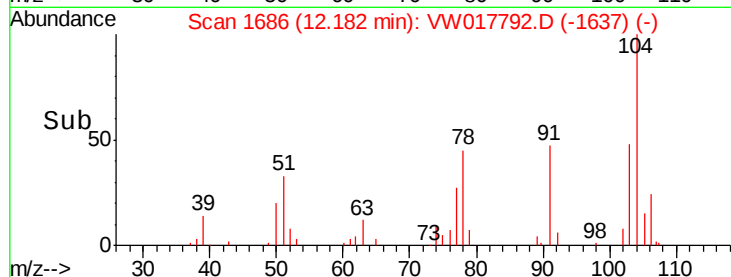
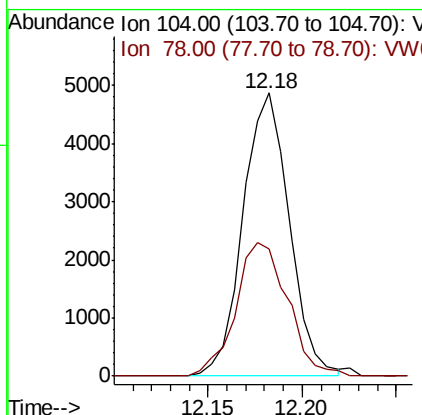
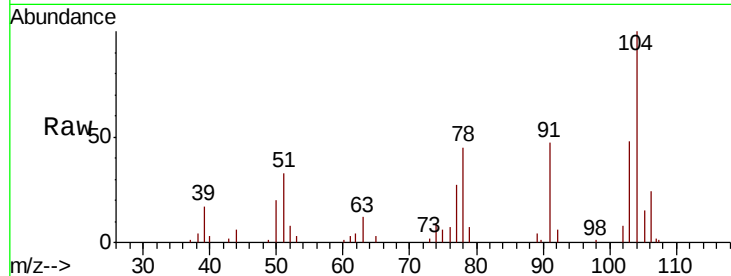




#55
Stvrene
Concen: 0.751 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

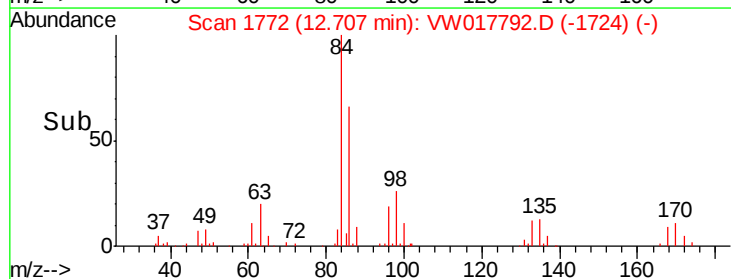
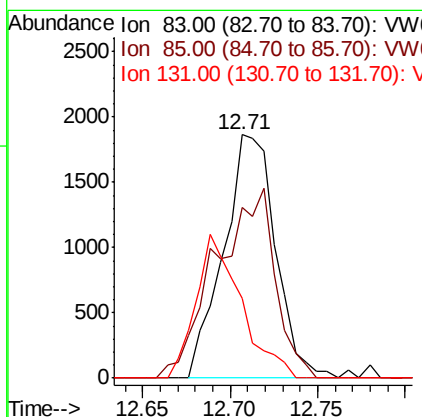
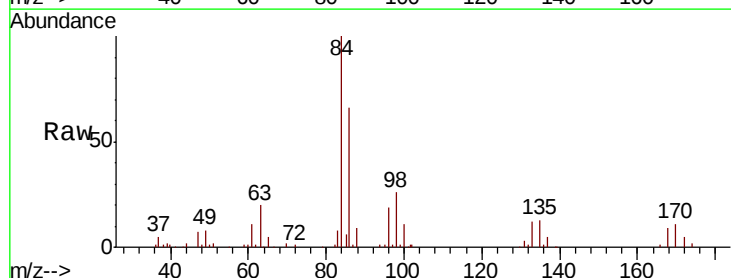
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

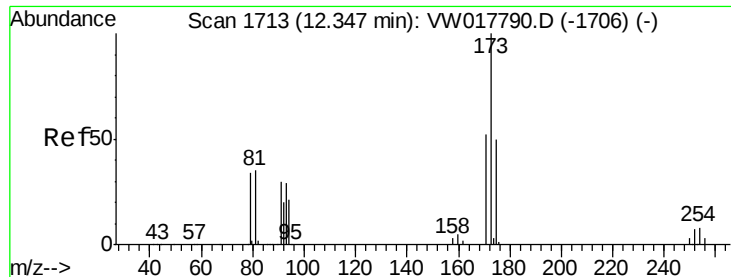
Tot Ion:104 Resp: 8283
Ion Ratio Lower Upper
104 100
78 44.8 32.5 60.3



#57
1,1,2,2-Tetrachloroethane
Concen: 1.068 ug/L
RT: 12.71 min Scan# 1772
Delta R.T. -0.01 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion: 83 Resp: 3850
Ion Ratio Lower Upper
83 100
85 70.3 44.4 82.4
131 32.9 8.2 12.4#





#59

Bromoform

Concen: 0.830 ug/L

RT: 12.35 min Scan# 1713

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

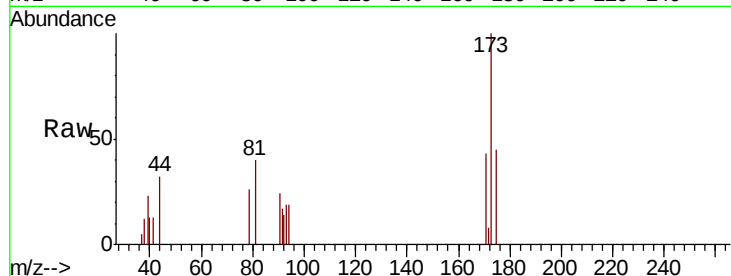
Tot Ion:173 Resp: 1438

Ion Ratio Lower Upper

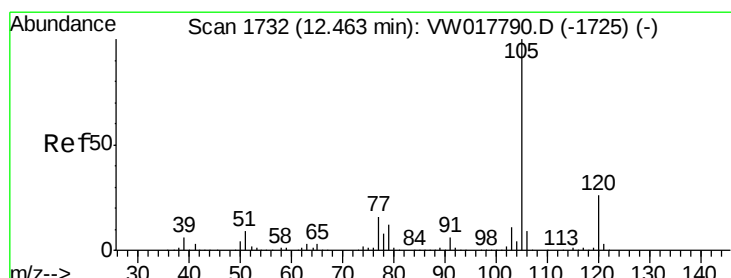
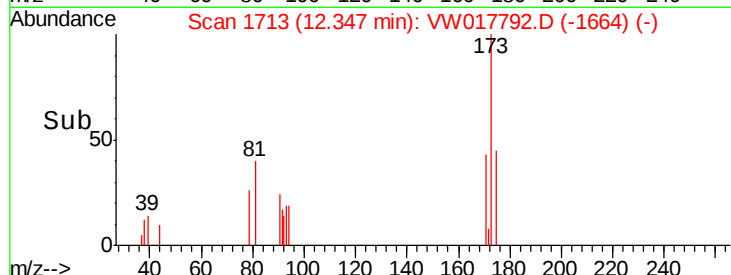
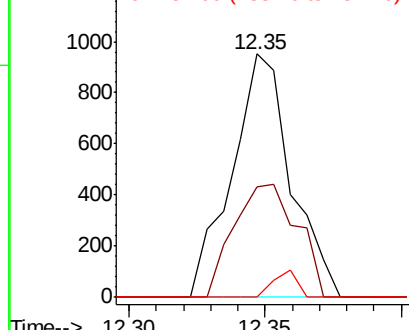
173 100

175 49.8 37.5 56.3

254 4.4 7.0 10.4#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#60

Isopropylbenzene

Concen: 0.819 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

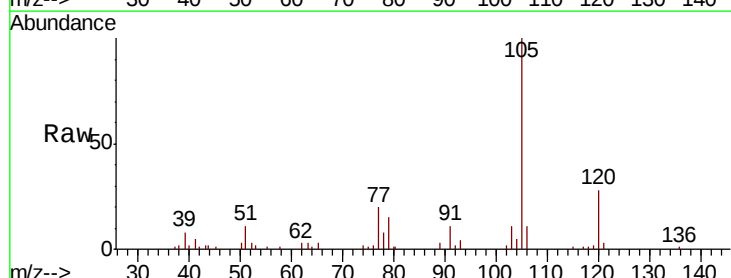
Tgt Ion:105 Resp: 13826

Ion Ratio Lower Upper

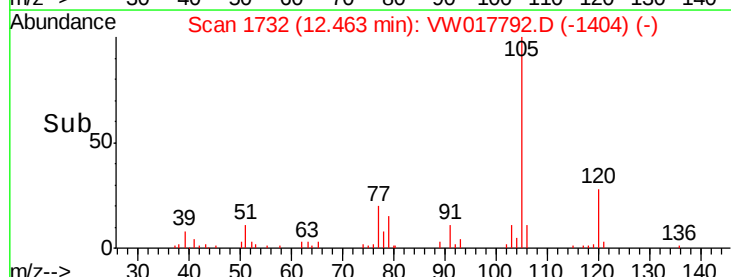
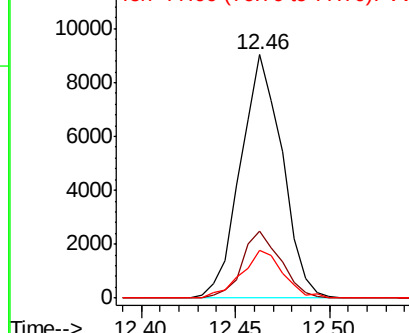
105 100

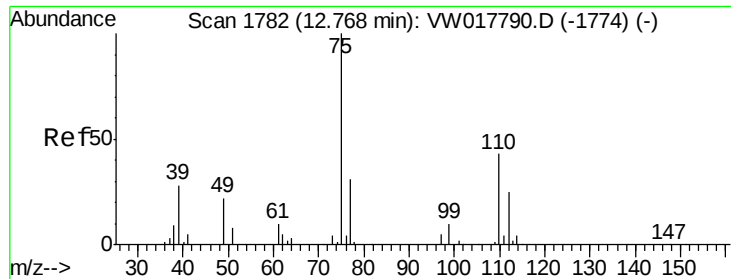
120 25.6 21.1 31.7

77 19.7 13.2 19.8



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

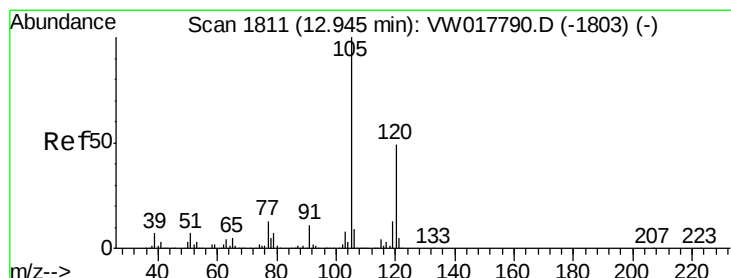
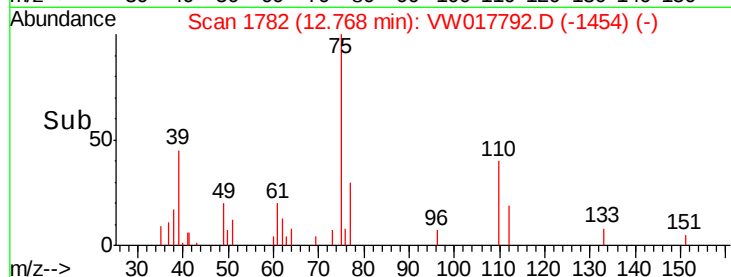
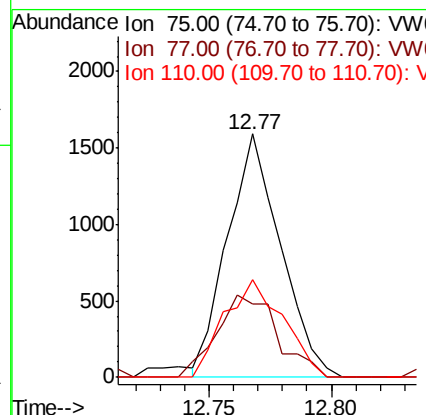
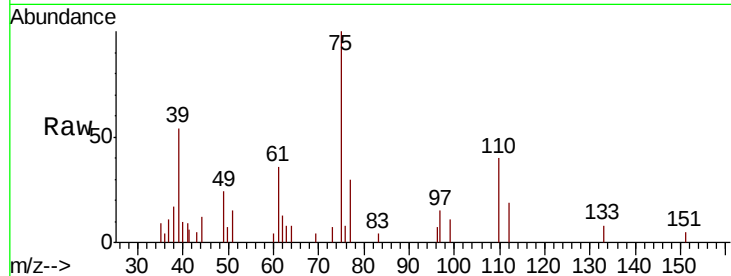




#61
 1,2,3-Trichloropropane
 Concen: 0.946 ug/L
 RT: 12.77 min Scan# 1782
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

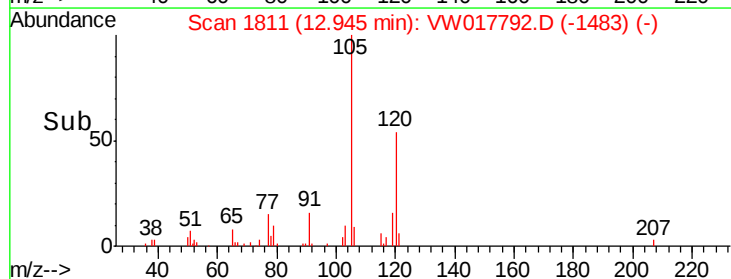
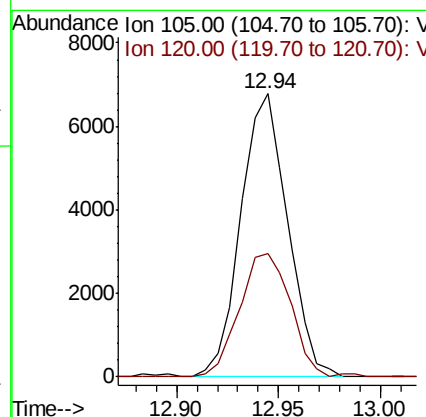
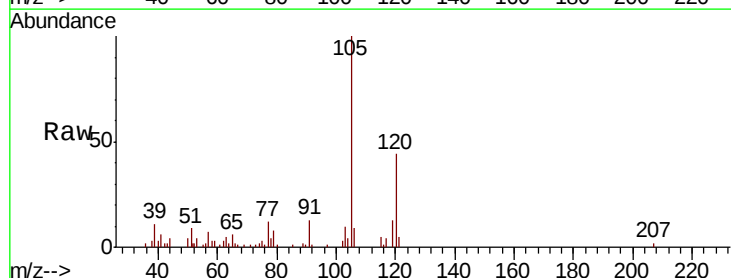
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2021-02

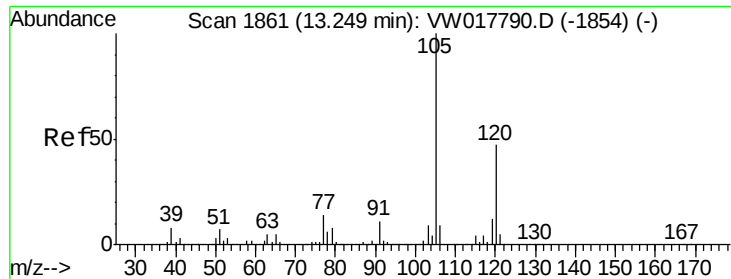
Tot Ion: 75 Resp: 2405
 Ion Ratio Lower Upper
 75 100
 77 34.9 25.3 37.9
 110 44.7 32.6 48.8



#62
 1,3,5-Trimethylbenzene
 Concen: 0.804 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW017792.D
 Acq: 05 Jan 2021 12:07

Tgt Ion: 105 Resp: 10804
 Ion Ratio Lower Upper
 105 100
 120 47.3 39.0 58.6





#63

1,2,4-Trimethylbenzene

Concen: 0.790 ug/L

RT: 13.25 min Scan# 1861

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

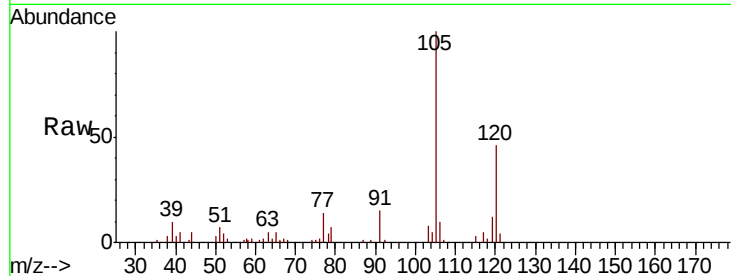
MDL-SOIL-QT1-2021-02

Tot Ion:105 Resp: 10807

Ion Ratio Lower Upper

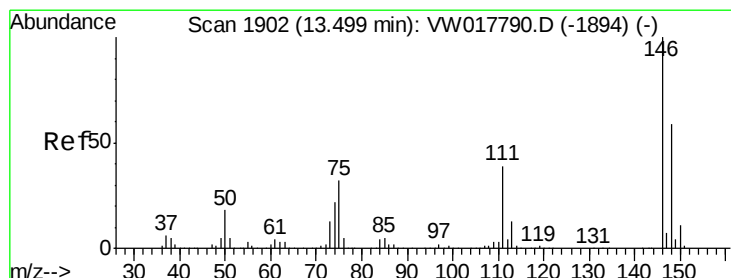
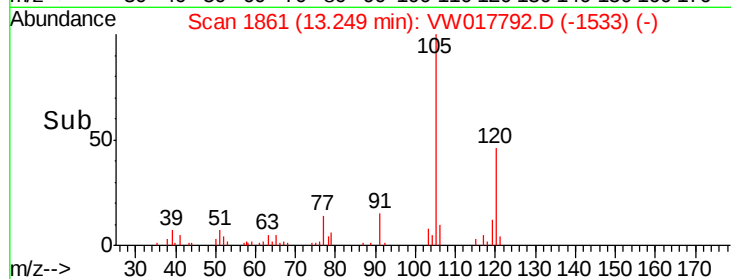
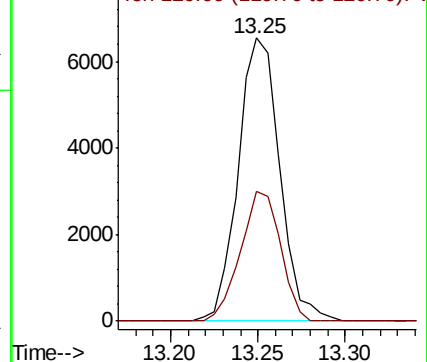
105 100

120 44.1 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#64

1,3-Dichlorobenzene

Concen: 0.862 ug/L

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

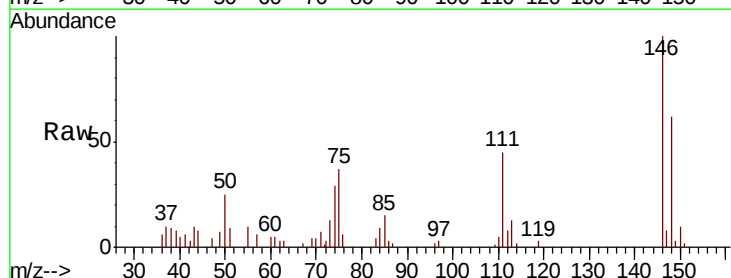
Tgt Ion:146 Resp: 6284

Ion Ratio Lower Upper

146 100

111 44.7 26.7 49.7

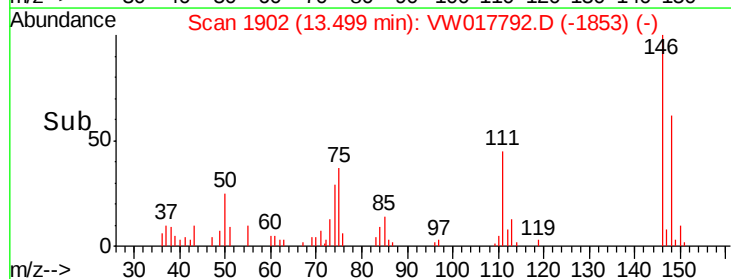
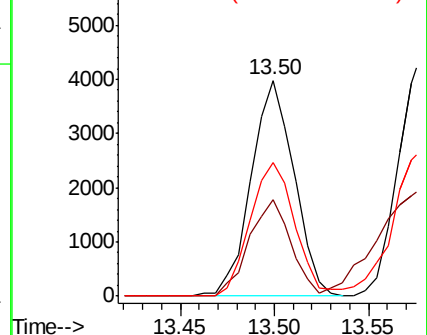
148 61.7 41.1 76.3

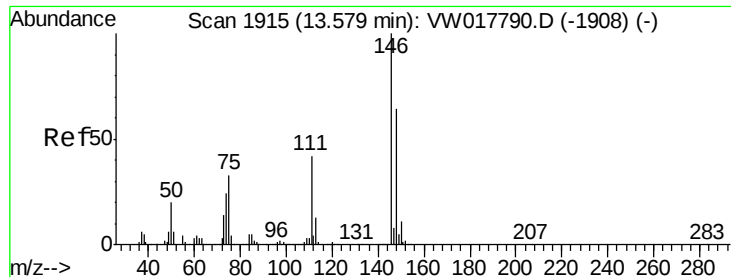


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,4-Dichlorobenzene

Concen: 0.963 ug/L

RT: 13.58 min Scan# 1915

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

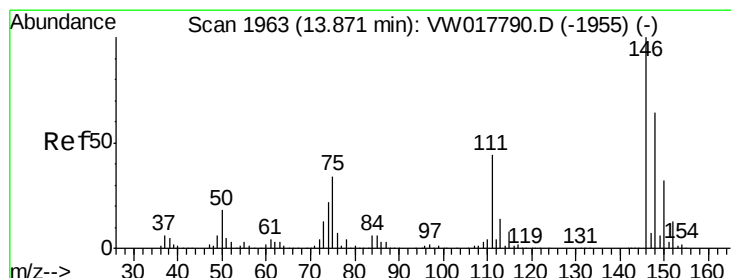
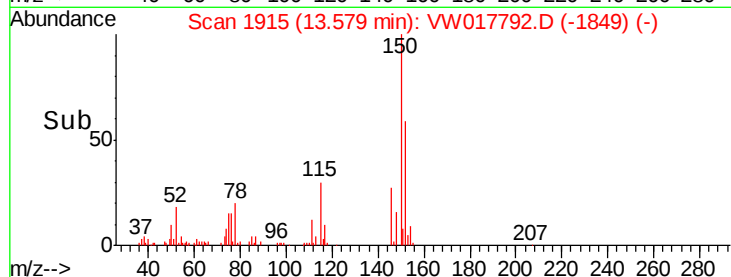
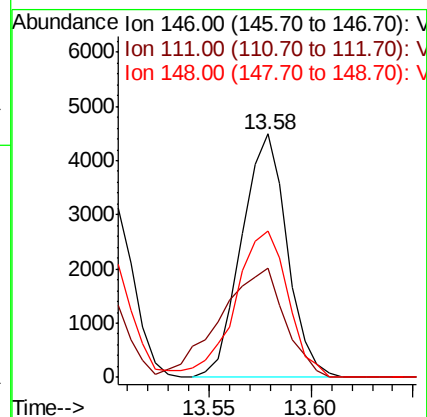
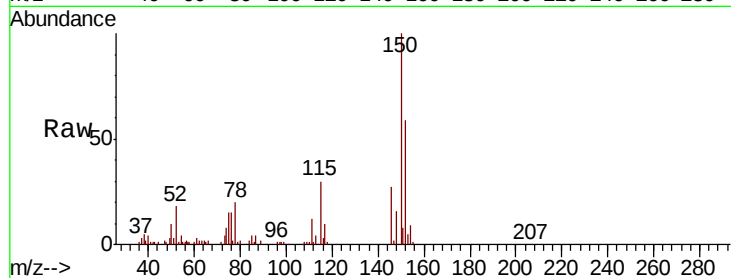
Tot Ion:146 Resp: 6976

Ion Ratio Lower Upper

146 100

111 44.8 28.8 53.4

148 59.9 46.8 87.0



#67

1,2-Dichlorobenzene

Concen: 1.002 ug/L

RT: 13.87 min Scan# 1962

Delta R.T. -0.01 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

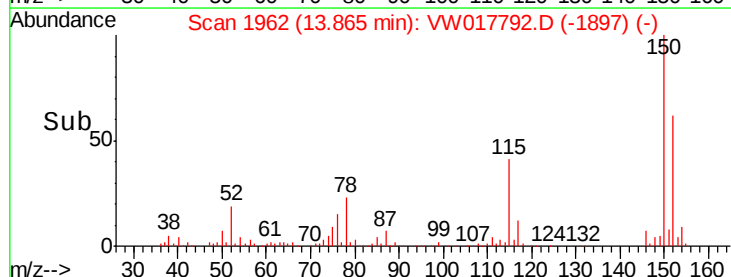
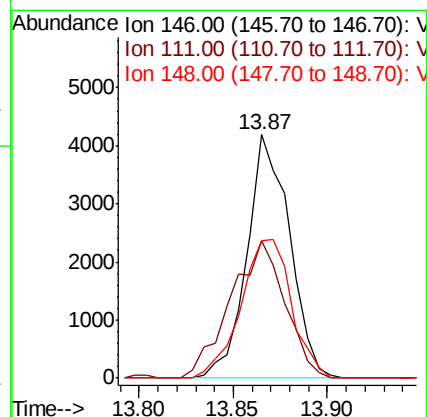
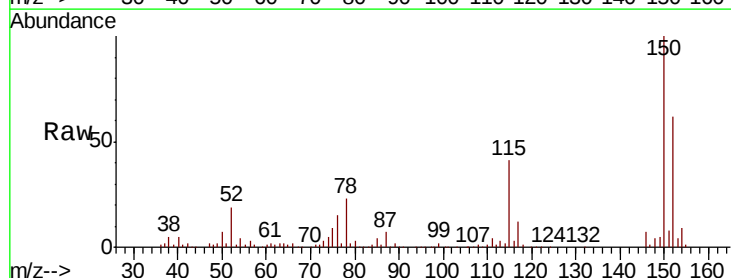
Tgt Ion:146 Resp: 6557

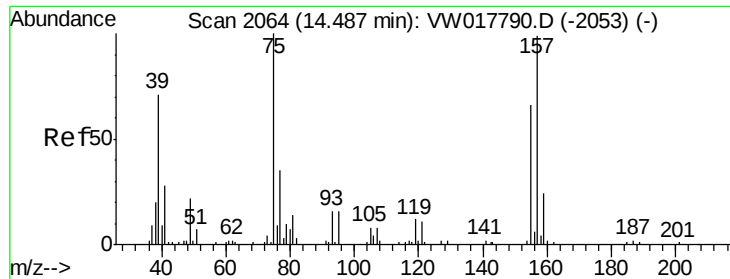
Ion Ratio Lower Upper

146 100

111 56.3 33.2 49.8#

148 56.2 50.4 75.6





#68

1,2-Dibromo-3-chloropropane

Concen: 1.896 ug/L

RT: 14.62 min Scan# 2086

Delta R.T. 0.13 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

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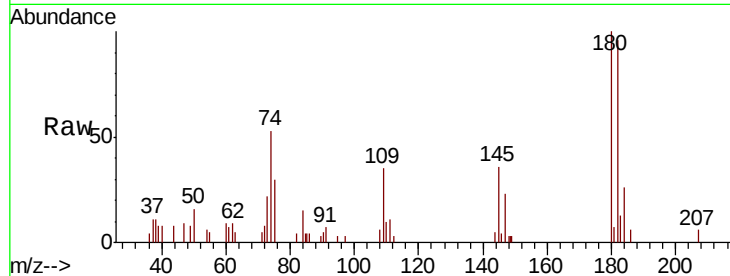
Tot Ion: 75 Resp: 1154

Ion Ratio Lower Upper

75 100

155 0.0 59.4 89.0#

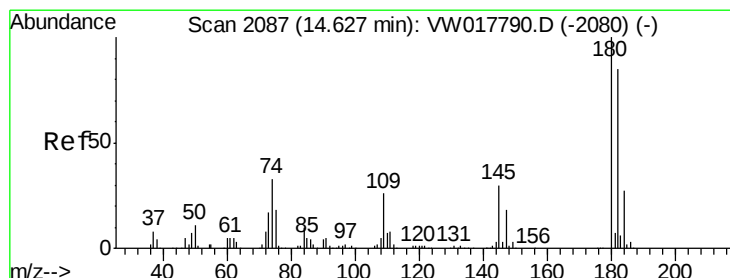
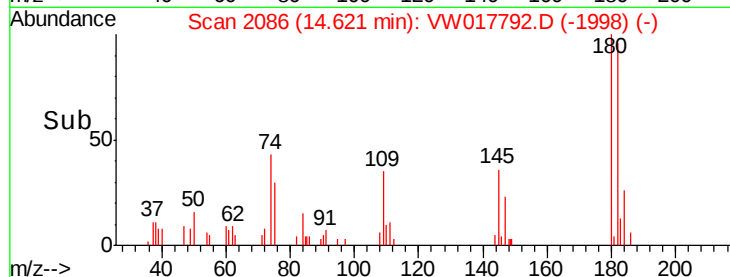
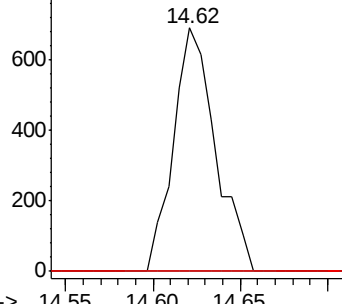
157 0.0 72.2 108.2#



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: 0.758 ug/L

RT: 15.13 min Scan# 2170

Delta R.T. 0.51 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Tgt Ion:180 Resp: 3740

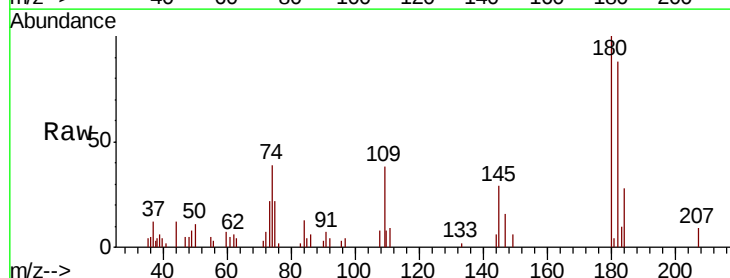
Ion Ratio Lower Upper

180 100

182 97.5 73.4 110.2

184 31.0 23.6 35.4

145 35.2 24.9 37.3

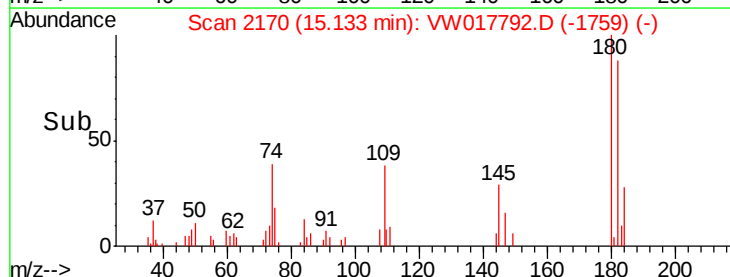
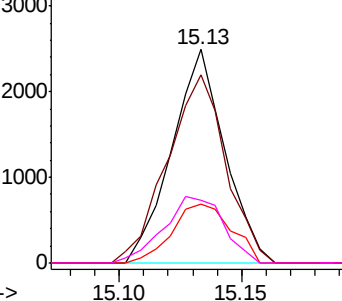


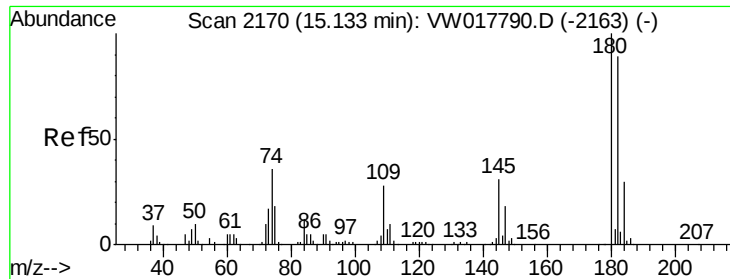
Abundance Ion 180.00 (179.70 to 180.70): V

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

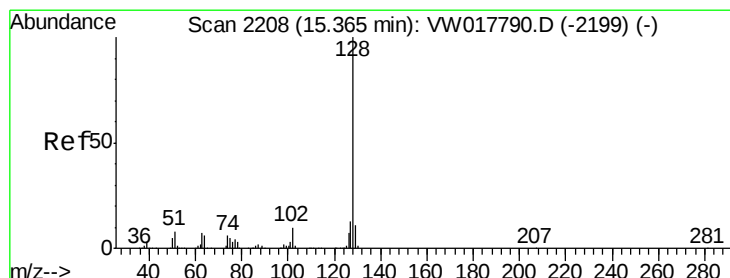
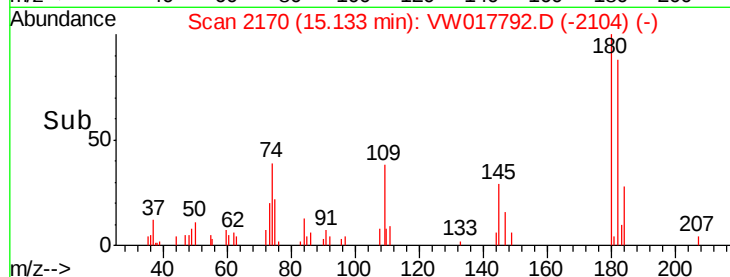
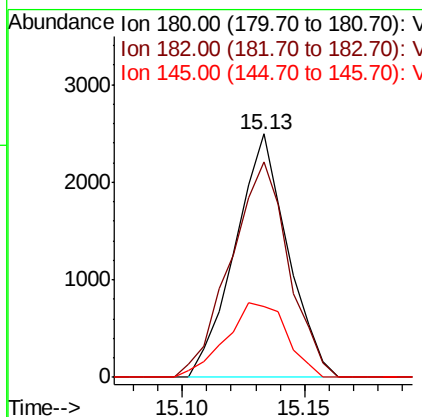
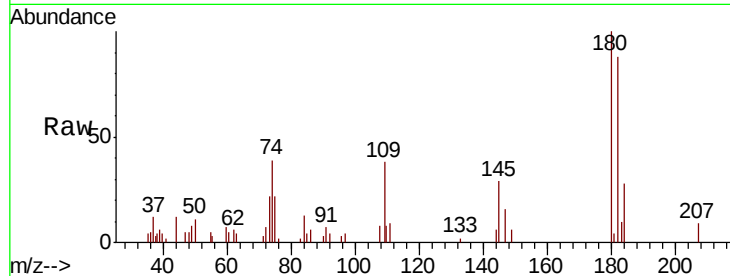




#70
1,2,4-trichlorobenzene
Concen: 0.876 ug/L
RT: 15.13 min Scan# 2170
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

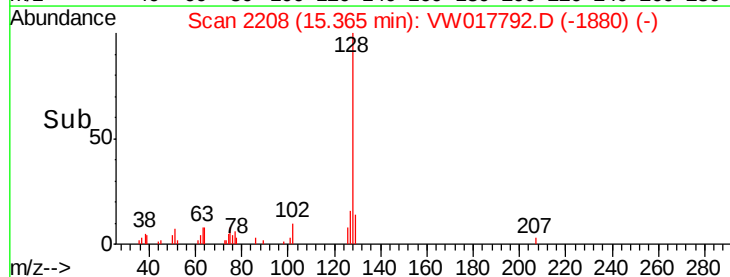
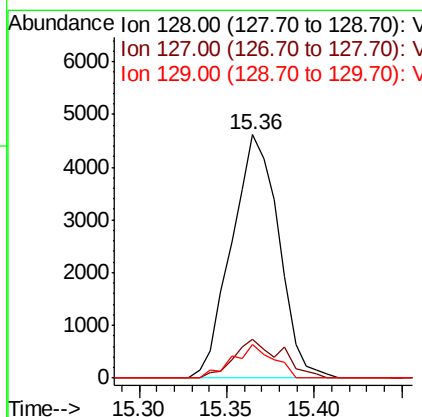
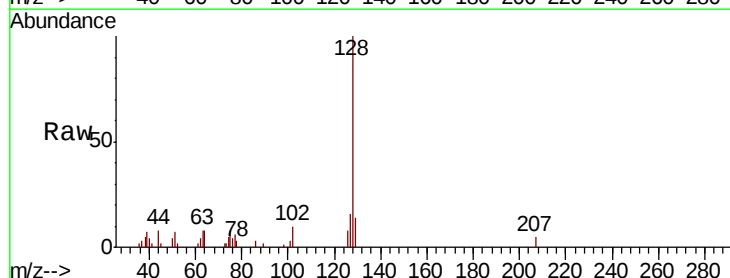
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2021-02

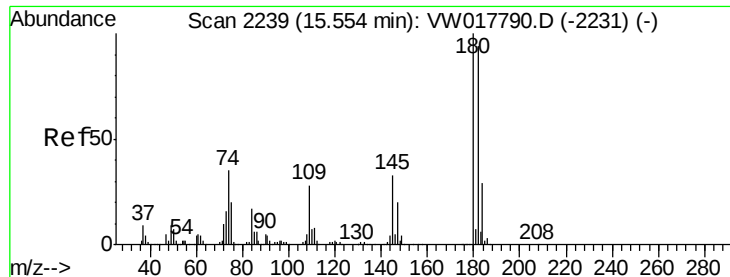
Tot Ion:180 Resp: 3740
Ion Ratio Lower Upper
180 100
182 97.5 74.7 112.1
145 35.2 25.0 37.4



#71
Naphthalene
Concen: 0.878 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. -0.00 min
Lab File: VW017792.D
Acq: 05 Jan 2021 12:07

Tgt Ion:128 Resp: 8645
Ion Ratio Lower Upper
128 100
127 12.0 10.6 15.8
129 11.9 9.0 13.6





#72

1,2,3-Trichlorobenzene

Concen: 0.907 ug/L

RT: 15.55 min Scan# 2239

Delta R.T. -0.00 min

Lab File: VW017792.D

Acq: 05 Jan 2021 12:07

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2021-02

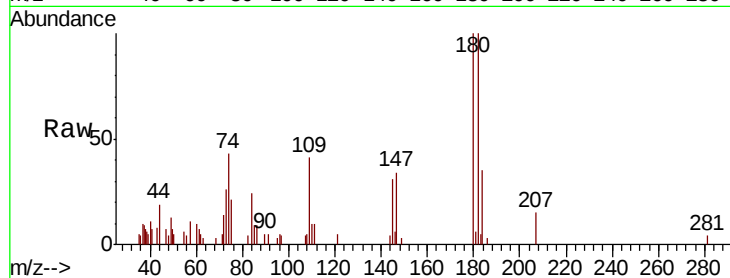
Tot Ion:180 Resp: 3405

Ion Ratio Lower Upper

180 100

182 100.5 76.7 115.1

145 37.7 28.9 43.3



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

