

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV122820\
 Data File : VW017765.D
 Acq On : 28 Dec 2020 16:30
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Quant Time: Dec 29 04:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	333796	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	316527	25.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	13.55	152	156025	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.36	65	119997	23.94	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	95.76%
7) Chloroethane-d5	2.89	69	108827	24.98	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	99.92%
11) 1,1-Dichloroethene-d2	4.03	63	166196	18.16	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	72.64%
21) 2-Butanone-d5	7.07	46	73293	63.80	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	127.60%
24) Chloroform-d	7.65	84	227394	24.65	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	98.60%
26) 1,2-Dichloroethane-d4	8.31	65	141303	27.38	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	109.52%
32) Benzene-d6	8.27	84	448680	25.01	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	100.04%
36) 1,2-Dichloropropane-d6	9.27	67	131076	25.40	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	101.60%
41) Toluene-d8	10.32	98	426893	24.82	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	99.28%
43) trans-1,3-Dichloropropene-	10.58	79	62565	24.89	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	99.56%
47) 2-Hexanone-d5	10.93	63	51880	62.32	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	124.64%
56) 1,1,2,2-Tetrachloroethane-	12.69	84	125971	27.78	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	111.12%
66) 1,2-Dichlorobenzene-d4	13.85	152	145318	26.61	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	106.44%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	2.02	85	5557	1.437 ug/L #	81
3) Chloromethane	2.21	50	5423	1.616 ug/L	99
5) Vinyl chloride	2.37	62	8735	1.559 ug/L #	67
6) Bromomethane	2.78	94	6711	1.419 ug/L	100
8) Chloroethane	2.92	64	4738	1.283 ug/L	84
9) Trichlorofluoromethane	3.26	101	3885	0.969 ug/L	94
10) 1,1,2-Trichloro-1,2,2-trif	4.06	101	4409	1.010 ug/L #	73
12) 1,1-Dichloroethene	4.04	96	4162	1.000 ug/L #	1
13) Acetone	4.13	43	3083	3.550 ug/L	60
14) Carbon disulfide	4.39	76	8577	0.665 ug/L	97
17) trans-1,2-Dichloroethene	5.43	96	6143	1.314 ug/L	86
18) Methyl tert-butyl Ether	5.42	73	4087	0.671 ug/L #	75
19) 1,1-Dichloroethane	6.22	63	10482	1.283 ug/L	96
20) cis-1,2-Dichloroethene	7.17	96	6639	1.326 ug/L	97
22) 2-Butanone	7.18	43	3301	2.543 ug/L	94
23) Bromochloromethane	7.51	128	1607	0.711 ug/L	94
25) Chloroform	7.68	83	13034	1.508 ug/L	97

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122820\
 Data File : VW017765.D
 Acq On : 28 Dec 2020 16:30
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Quant Time: Dec 29 04:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration

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

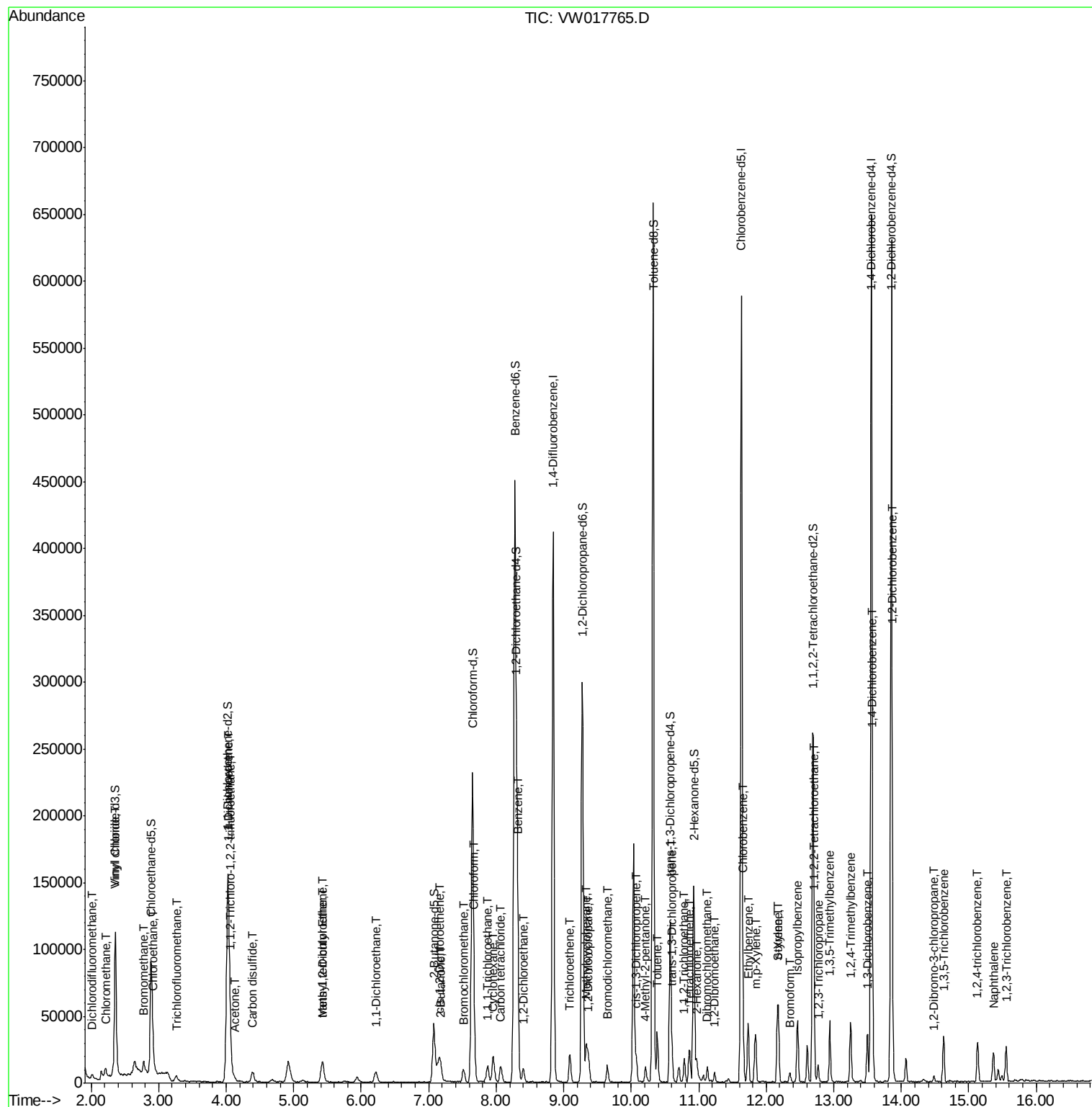
27) 1,2-Dichloroethane	8.40	62	8627	1.433	ug/L #	95
29) Cyclohexane	7.96	56	9506	1.237	ug/L #	94
30) 1,1,1-Trichloroethane	7.87	97	9409	1.265	ug/L	99
31) Carbon tetrachloride	8.06	117	8276	1.168	ug/L	97
33) Benzene	8.32	78	28096	1.483	ug/L	100
34) Trichloroethene	9.10	95	6689	1.304	ug/L	88
35) Methylcyclohexane	9.34	83	10597	1.206	ug/L	96
37) 1,2-Dichloropropane	9.37	63	6228	1.357	ug/L	100
38) Bromodichloromethane	9.65	83	8345	1.288	ug/L	89
39) cis-1,3-Dichloropropene	10.07	75	9406	1.247	ug/L	99
40) 4-Methyl-2-pentanone	10.21	43	8517	3.064	ug/L #	95
42) Toluene	10.38	91	27726	1.299	ug/L	99
44) trans-1,3-Dichloropropene	10.60	75	9660	1.425	ug/L	83
45) 1,1,2-Trichloroethane	10.79	97	5110	1.388	ug/L	92
46) Tetrachloroethene	10.86	164	5164	1.302	ug/L	92
48) 2-Hexanone	10.97	43	7437	3.909	ug/L	97
49) Dibromochloromethane	11.13	129	5394	1.229	ug/L	86
50) 1,2-Dibromoethane	11.24	107	4683	1.308	ug/L #	89
51) Chlorobenzene	11.66	112	17053	1.263	ug/L	91
52) Ethylbenzene	11.73	91	29816	1.236	ug/L	94
53) m,p-Xylene	11.84	106	11387	1.223	ug/L	81
54) o-Xylene	12.16	106	10345	1.164	ug/L	84
55) Styrene	12.18	104	17189	1.130	ug/L	99
57) 1,1,2,2-Tetrachloroethane	12.71	83	7230	1.636	ug/L #	92
59) Bromoform	12.35	173	2783	1.234	ug/L #	87
60) Isopropylbenzene	12.46	105	28886	1.272	ug/L	98
61) 1,2,3-Trichloropropane	12.77	75	5032	1.603	ug/L	94
62) 1,3,5-Trimethylbenzene	12.94	105	23068	1.241	ug/L	98
63) 1,2,4-Trimethylbenzene	13.25	105	23335	1.248	ug/L	94
64) 1,3-Dichlorobenzene	13.49	146	12603	1.281	ug/L	99
65) 1,4-Dichlorobenzene	13.58	146	14129	1.438	ug/L	95
67) 1,2-Dichlorobenzene	13.87	146	13192	1.467	ug/L #	88
68) 1,2-Dibromo-3-chloropropan	14.49	75	1252	1.746	ug/L	87
69) 1,3,5-Trichlorobenzene	14.63	180	9273	1.392	ug/L	96
70) 1,2,4-trichlorobenzene	15.13	180	7947	1.378	ug/L	96
71) Naphthalene	15.36	128	18068	1.458	ug/L	99
72) 1,2,3-Trichlorobenzene	15.55	180	7619	1.491	ug/L	95

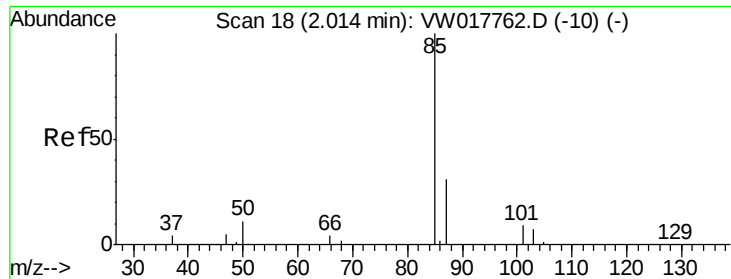
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW122820\
 Data File : VW017765.D
 Acq On : 28 Dec 2020 16:30
 Operator : SY/VA
 Sample : L5214-03
 Misc : 5.00G/10ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Quant Time: Dec 29 04:13:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SFAMWLM122820SMA.M
 Quant Title : SFAM01.0
 QLast Update : Tue Dec 29 04:12:02 2020
 Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.437 ug/L

RT: 2.02 min Scan# 19

Delta R.T. 0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

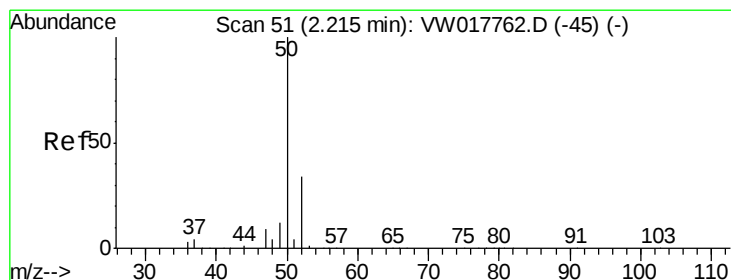
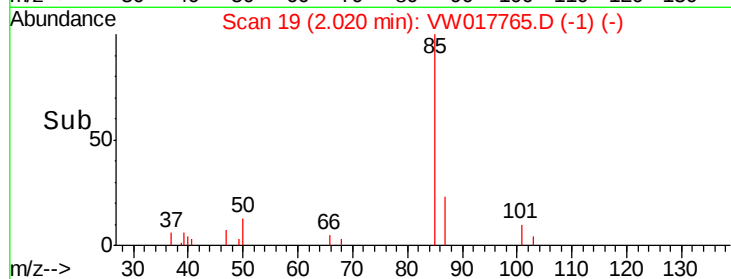
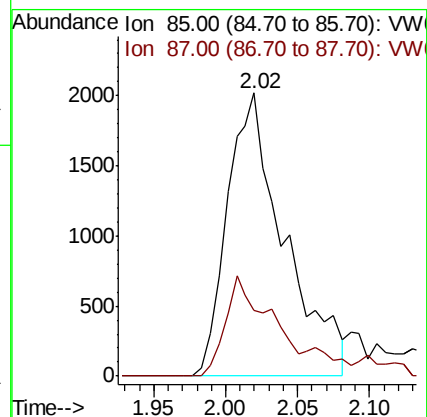
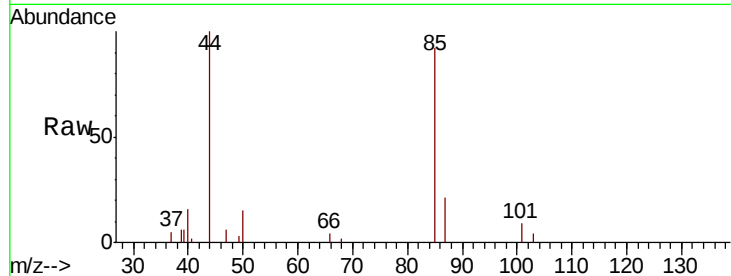
MDL-SOIL-QT1-2020-01

Tot Ion: 85 Resp: 5557

Ion Ratio Lower Upper

85 100

87 19.5 23.8 35.6#



#3

Chloromethane

Concen: 1.616 ug/L

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW017765.D

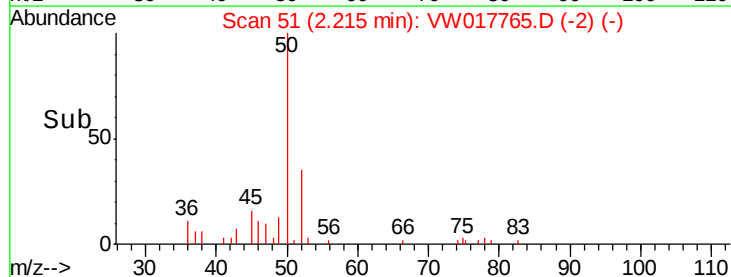
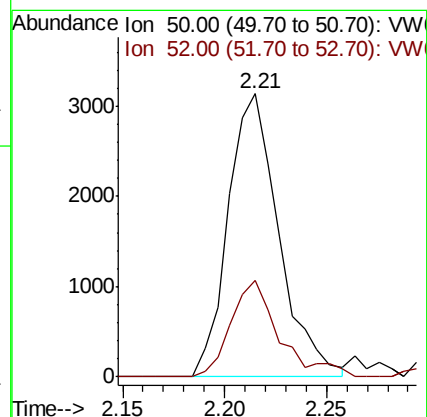
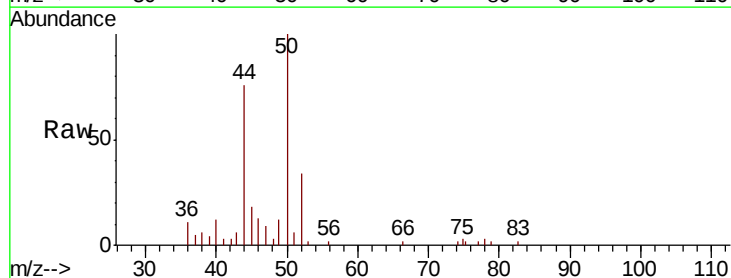
Acq: 28 Dec 2020 16:30

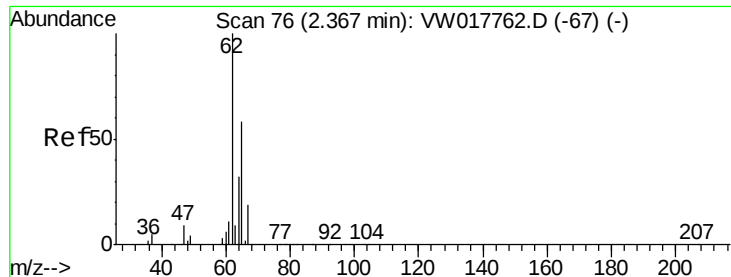
Tgt Ion: 50 Resp: 5423

Ion Ratio Lower Upper

50 100

52 34.1 23.6 43.8





#5

Vinyl chloride

Concen: 1.559 ug/L

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

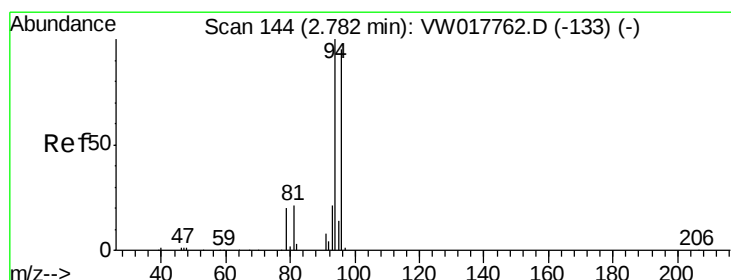
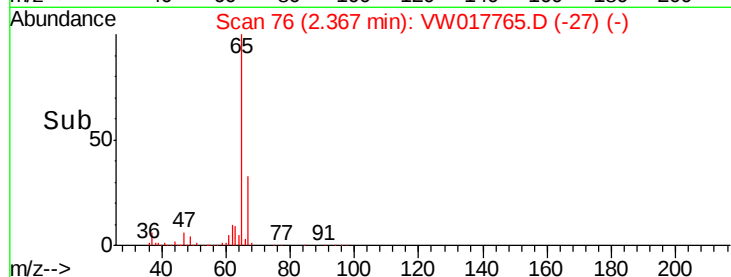
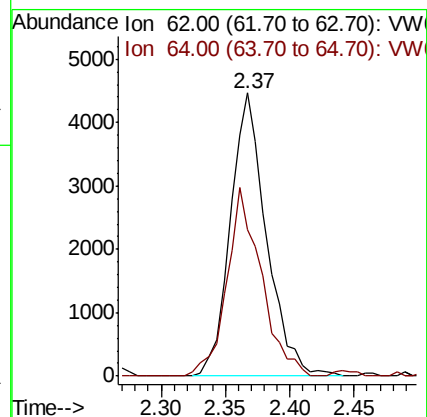
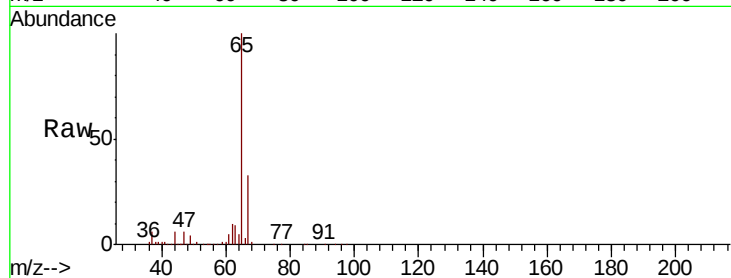
MDL-SOIL-QT1-2020-01

Tot Ion: 62 Resp: 8735

Ion Ratio Lower Upper

62 100

64 51.6 23.0 42.6#



#6

Bromomethane

Concen: 1.419 ug/L

RT: 2.78 min Scan# 143

Delta R.T. -0.01 min

Lab File: VW017765.D

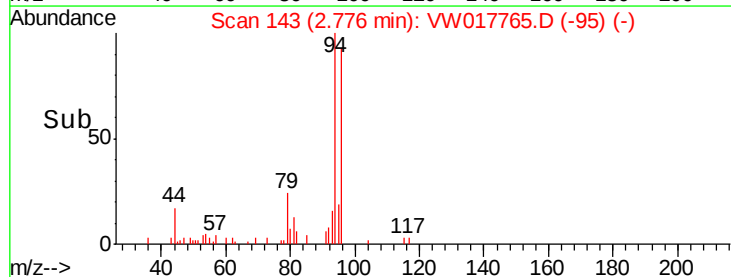
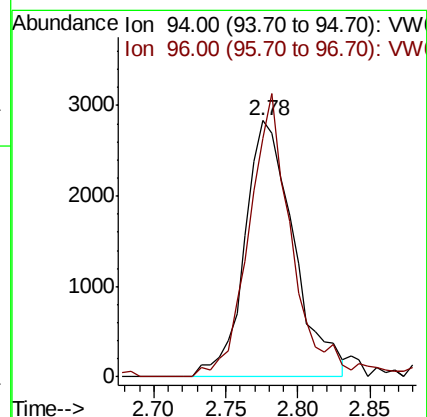
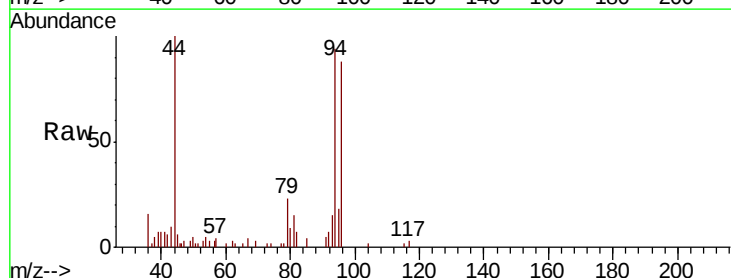
Acq: 28 Dec 2020 16:30

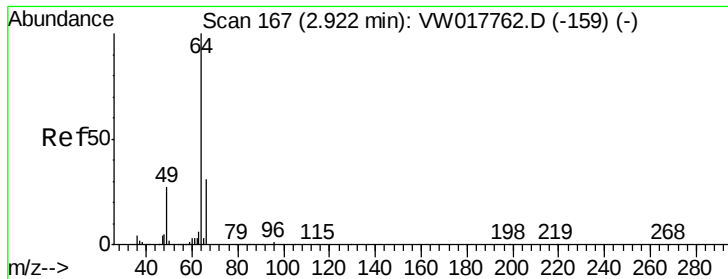
Tgt Ion: 94 Resp: 6711

Ion Ratio Lower Upper

94 100

96 93.2 65.0 120.6





#8

Chloroethane

Concen: 1.283 ug/L

RT: 2.92 min Scan# 167

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

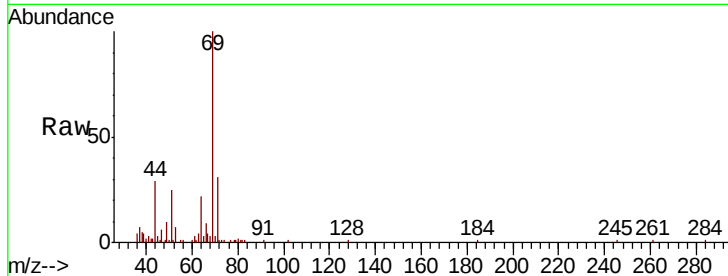
MDL-SOIL-QT1-2020-01

Tot Ion: 64 Resp: 4738

Ion Ratio Lower Upper

64 100

66 39.7 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VW

Ion 66.00 (65.70 to 66.70): VW

2.92

2000

1500

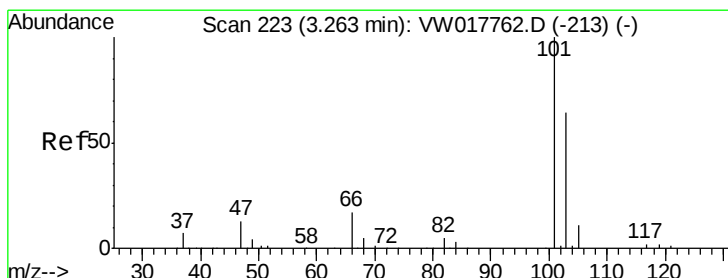
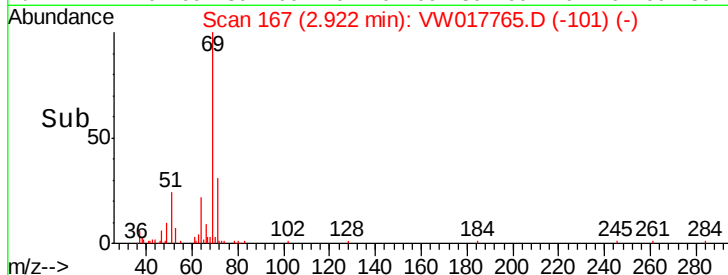
1000

500

0

2.85 2.90 2.95 3.00

Time-->



#9

Trichlorofluoromethane

Concen: 0.969 ug/L

RT: 3.26 min Scan# 223

Delta R.T. 0.00 min

Lab File: VW017765.D

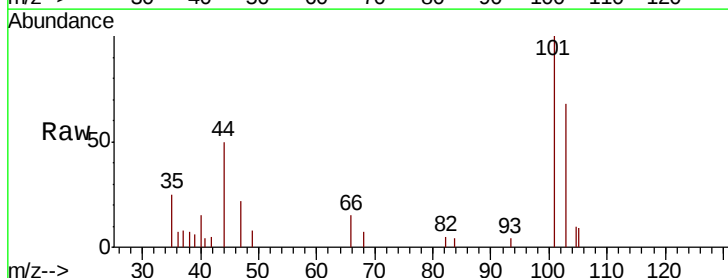
Acq: 28 Dec 2020 16:30

Tgt Ion: 101 Resp: 3885

Ion Ratio Lower Upper

101 100

103 69.7 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.26

1500

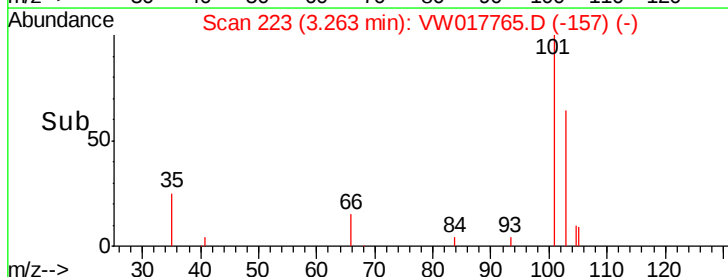
1000

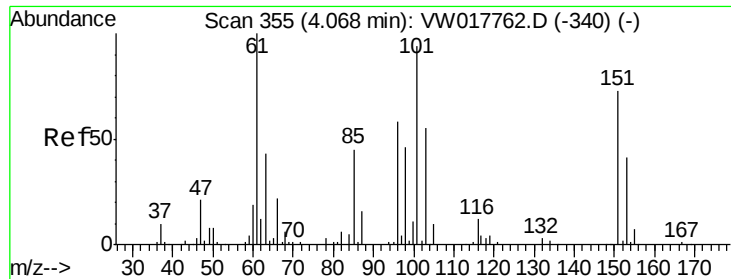
500

0

3.20 3.25 3.30

Time-->





#10

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

Concen: 1.010 ug/L

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

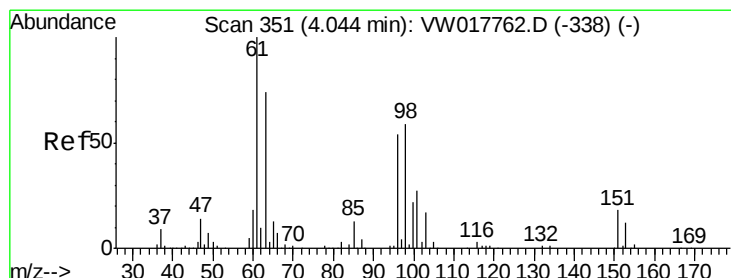
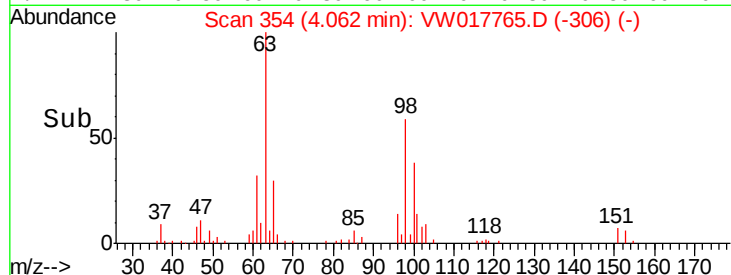
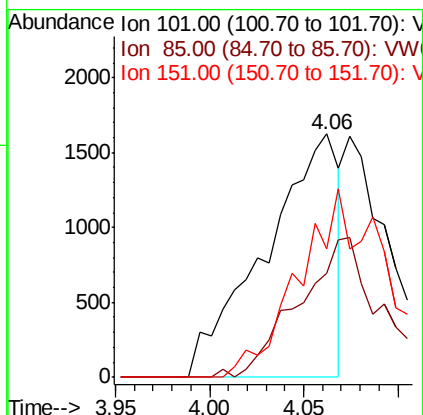
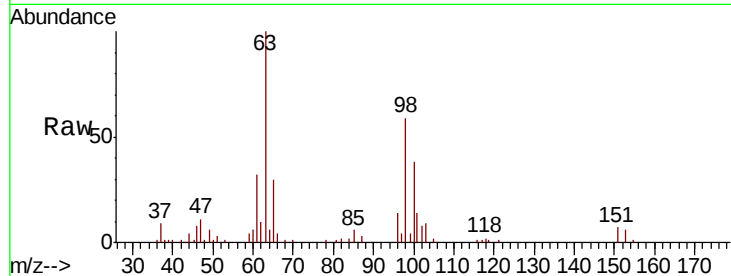
Tot Ion:101 Resp: 4409

Ion Ratio Lower Upper

101 100

85 64.4 37.9 56.9#

151 49.7 58.2 87.2#



#12

1,1-Dichloroethene

Concen: 1.000 ug/L

RT: 4.04 min Scan# 350

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

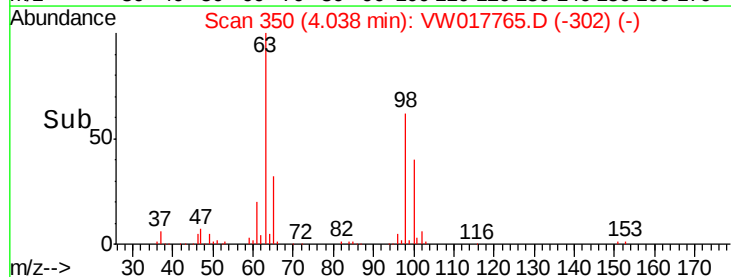
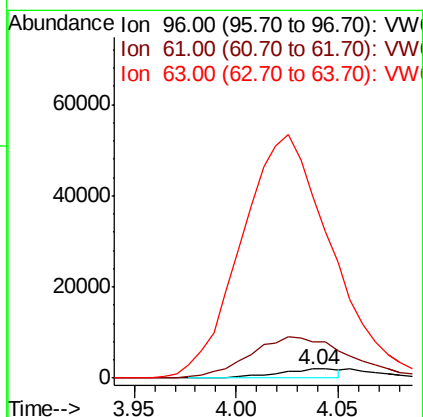
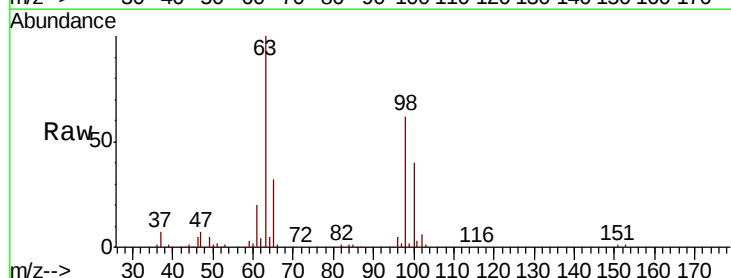
Tgt Ion: 96 Resp: 4162

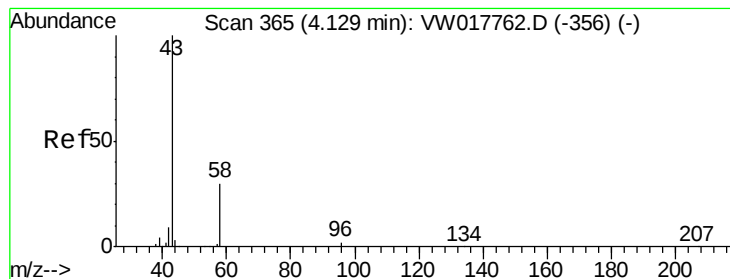
Ion Ratio Lower Upper

96 100

61 401.1 123.7 229.7#

63 1998.0 96.6 179.4#





#13

Acetone

Concen: 3.550 ug/L

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

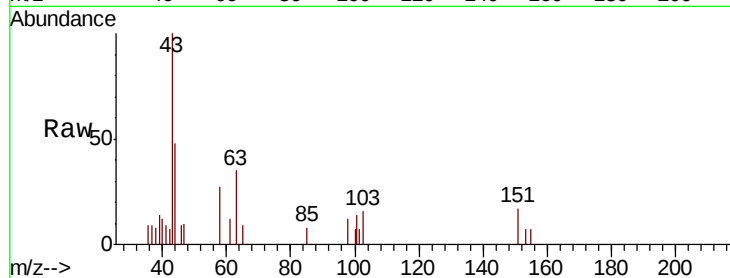
MDL-SOIL-QT1-2020-01

Tot Ion: 43 Resp: 3083

Ion Ratio Lower Upper

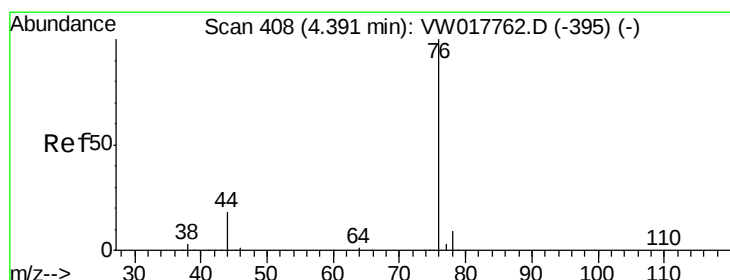
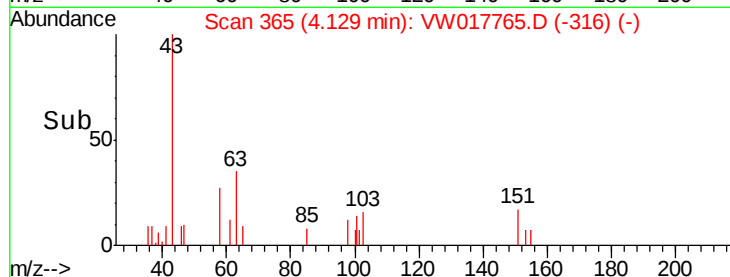
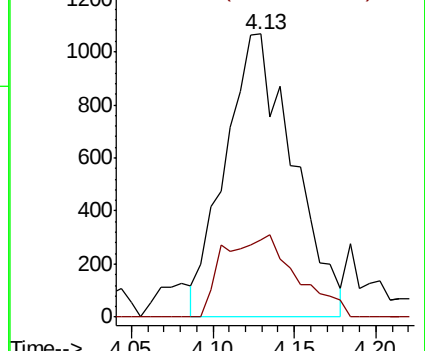
43 100

58 7.4 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#14

Carbon disulfide

Concen: 0.665 ug/L

RT: 4.39 min Scan# 407

Delta R.T. -0.01 min

Lab File: VW017765.D

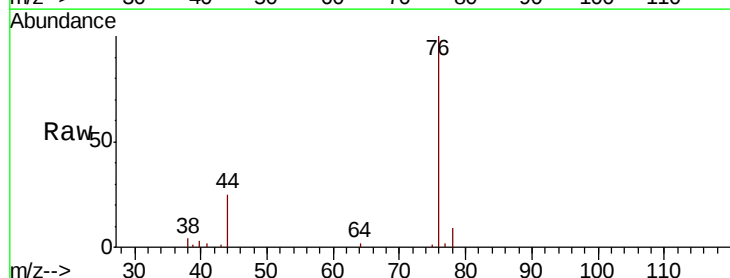
Acq: 28 Dec 2020 16:30

Tgt Ion: 76 Resp: 8577

Ion Ratio Lower Upper

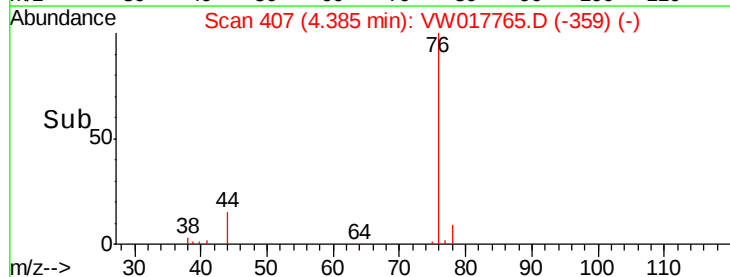
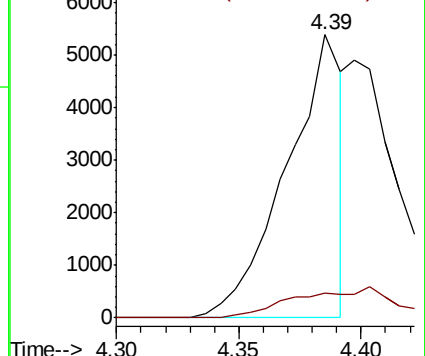
76 100

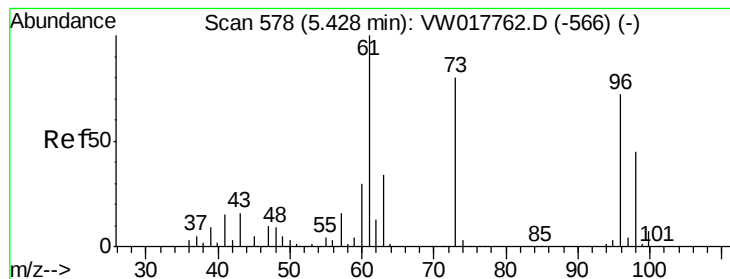
78 8.7 7.7 11.5



Abundance Ion 76.00 (75.70 to 76.70): VW

Ion 78.00 (77.70 to 78.70): VW





#17

trans-1,2-Dichloroethene

Concen: 1.314 ug/L

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

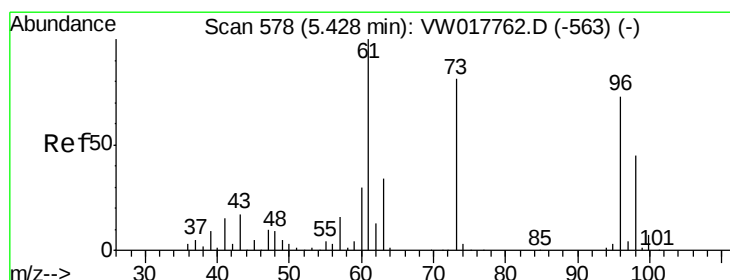
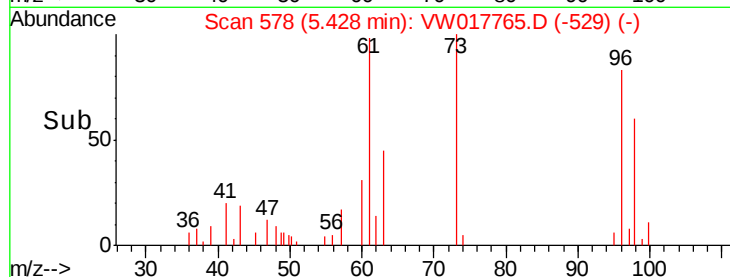
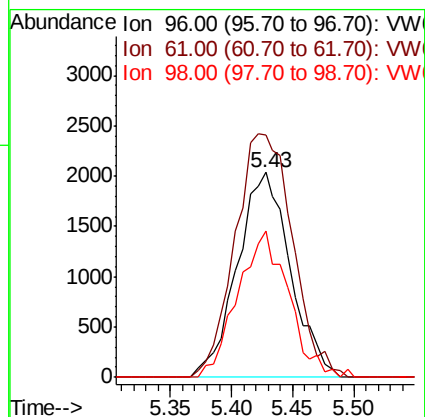
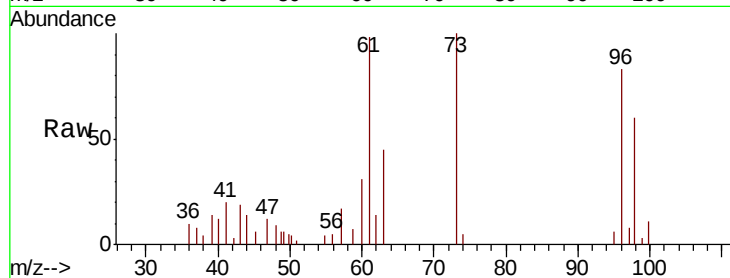
Tot Ion: 96 Resp: 6143

Ion Ratio Lower Upper

96 100

61 118.2 96.0 178.4

98 71.6 44.9 83.3



#18

Methyl tert-butyl Ether

Concen: 0.671 ug/L

RT: 5.42 min Scan# 576

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

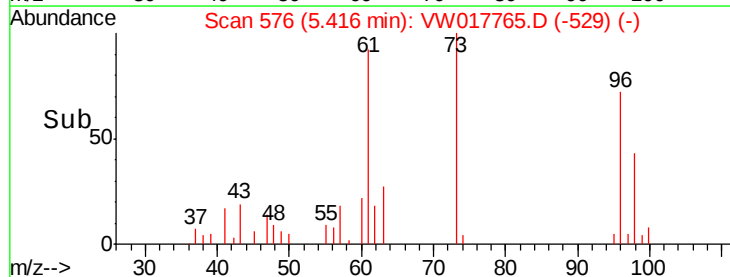
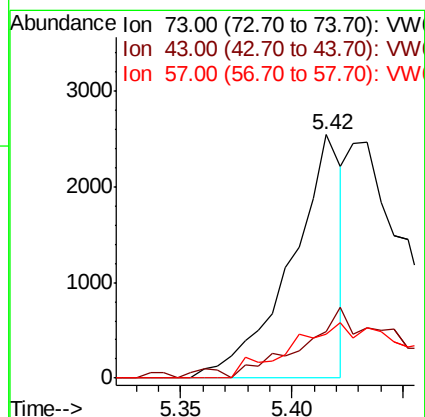
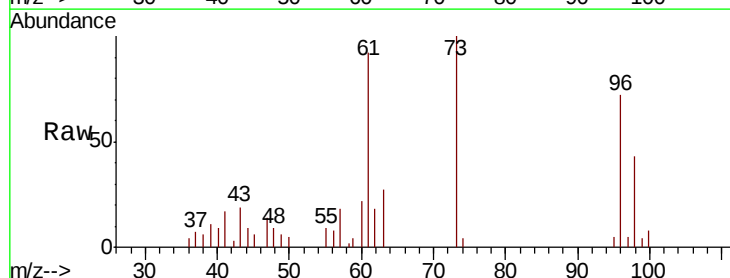
Tgt Ion: 73 Resp: 4087

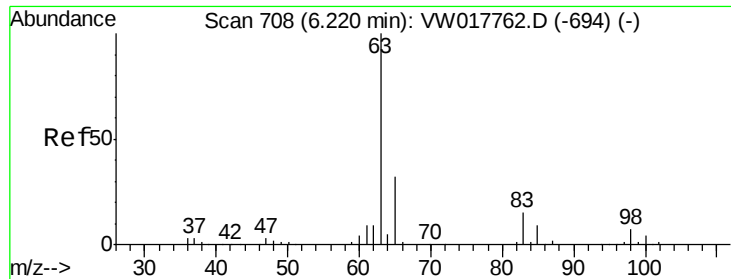
Ion Ratio Lower Upper

73 100

43 10.7 17.4 26.0#

57 8.2 16.9 25.3#

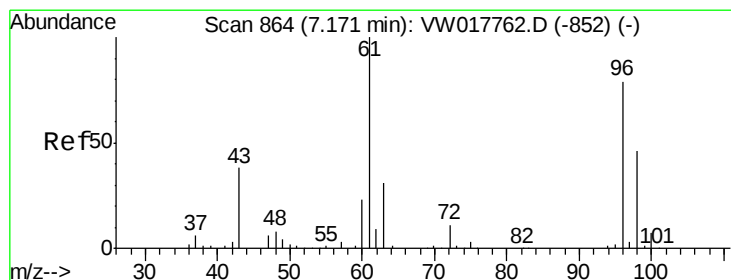
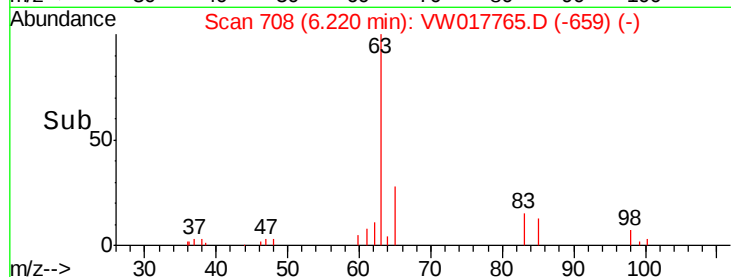
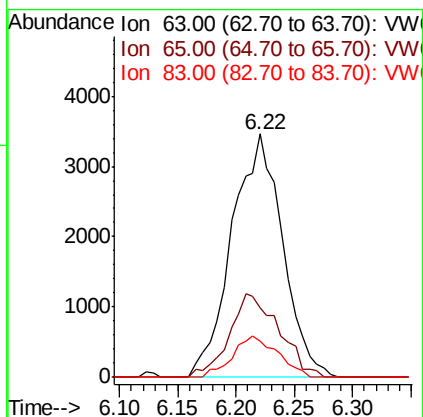
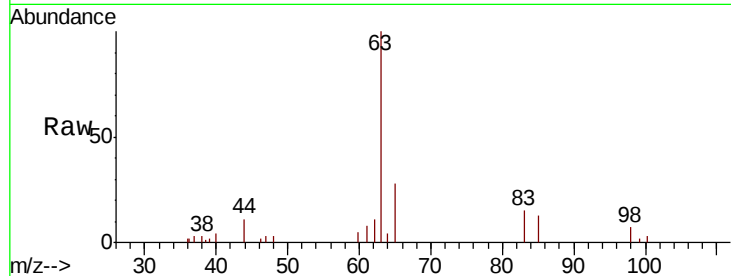




#19
 1,1-Dichloroethane
 Concen: 1.283 ug/L
 RT: 6.22 min Scan# 708
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

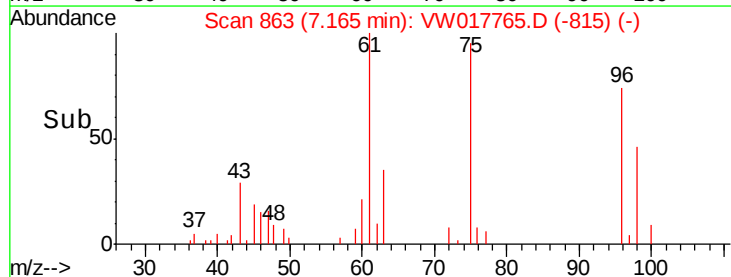
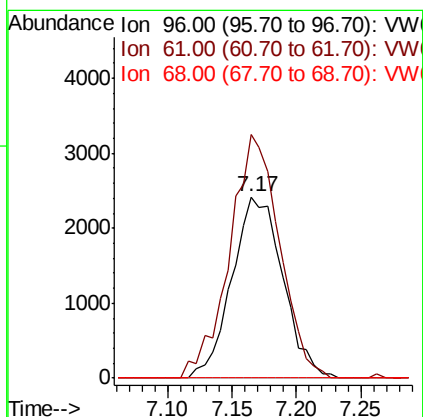
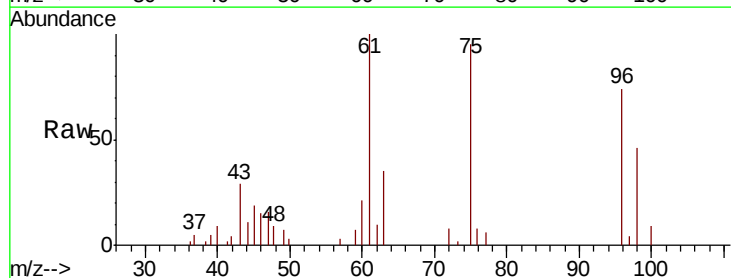
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

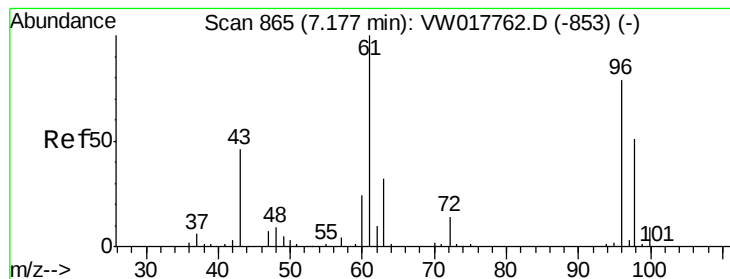
Tot Ion: 63 Resp: 10482
 Ion Ratio Lower Upper
 63 100
 65 28.4 21.3 39.5
 83 14.7 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 1.326 ug/L
 RT: 7.17 min Scan# 863
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion: 96 Resp: 6639
 Ion Ratio Lower Upper
 96 100
 61 134.5 91.6 170.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 2.543 ug/L

RT: 7.18 min Scan# 866

Delta R.T. 0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

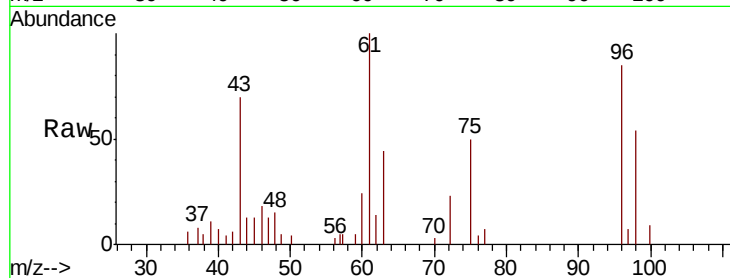
MDL-SOIL-QT1-2020-01

Tot Ion: 43 Resp: 3301

Ion Ratio Lower Upper

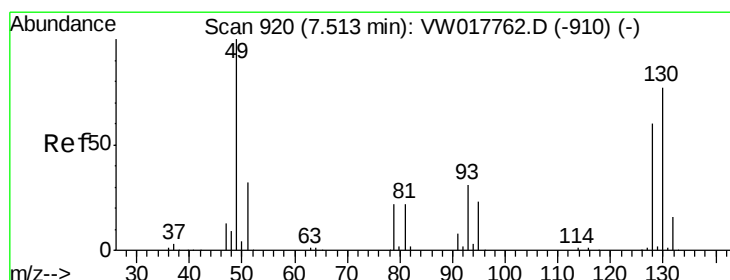
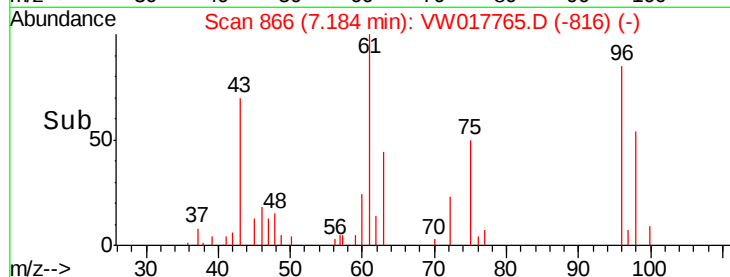
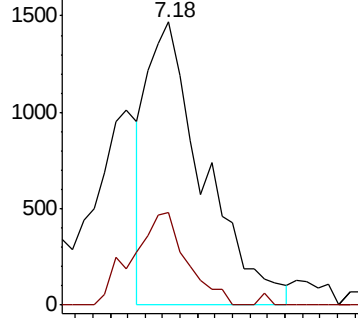
43 100

72 26.0 14.6 44.0



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 72.00 (71.70 to 72.70): VW



#23

Bromochloromethane

Concen: 0.711 ug/L

RT: 7.51 min Scan# 919

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Tgt Ion: 128 Resp: 1607

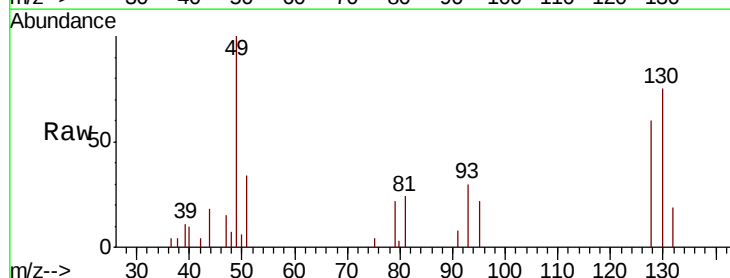
Ion Ratio Lower Upper

128 100

49 166.2 111.2 206.6

130 124.3 91.9 170.7

51 56.6 40.6 60.8

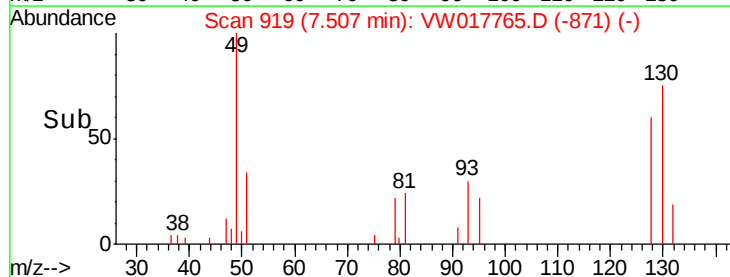
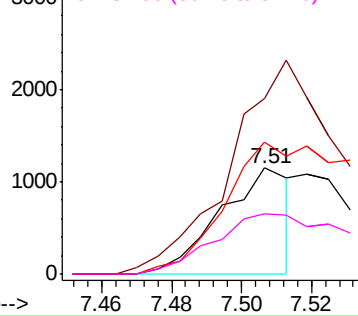


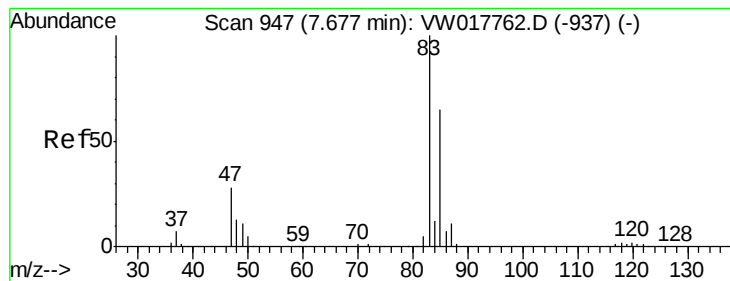
Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VW

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VW





#25

Chloroform

Concen: 1.508 ug/L

RT: 7.68 min Scan# 947

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

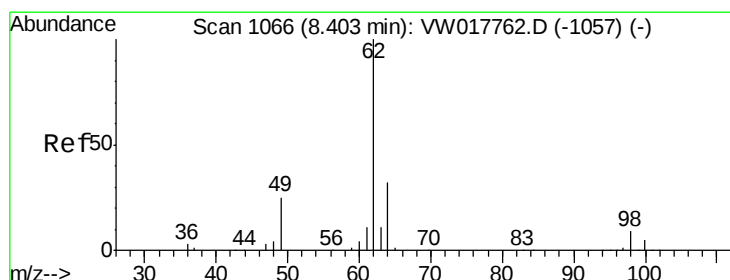
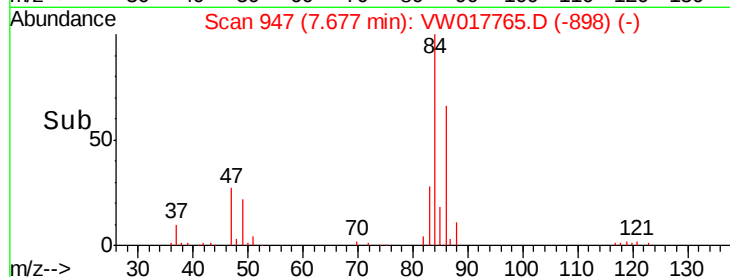
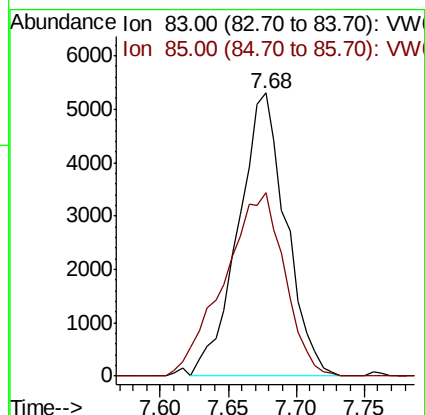
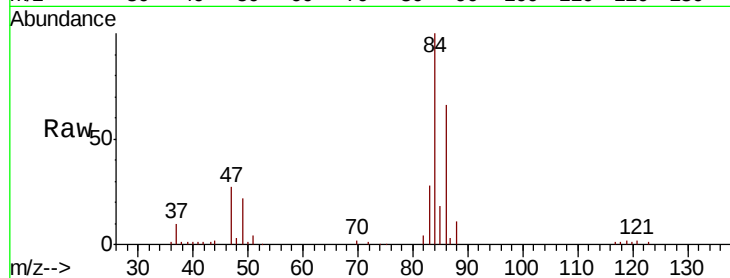
MDL-SOIL-QT1-2020-01

Tot Ion: 83 Resp: 13034

Ion Ratio Lower Upper

83 100

85 65.0 43.6 81.0



#27

1,2-Dichloroethane

Concen: 1.433 ug/L

RT: 8.40 min Scan# 1066

Delta R.T. 0.00 min

Lab File: VW017765.D

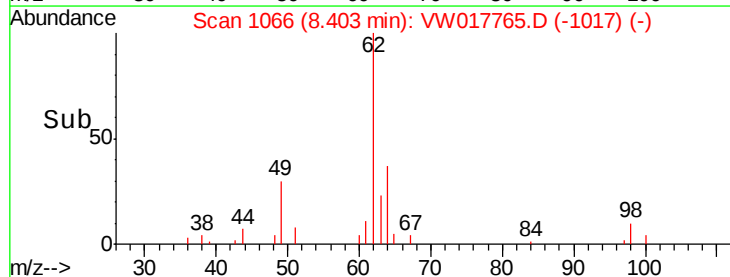
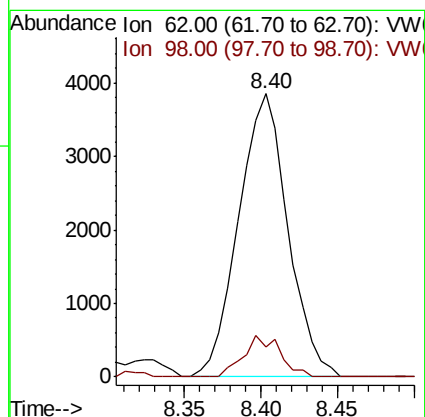
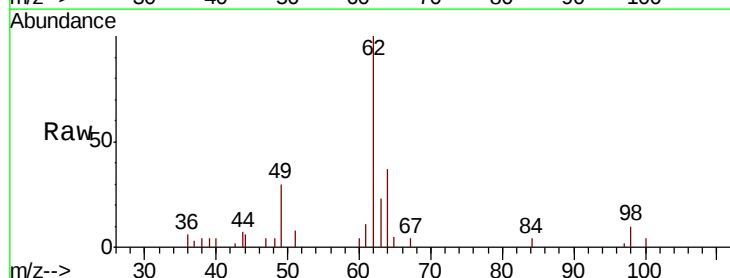
Acq: 28 Dec 2020 16:30

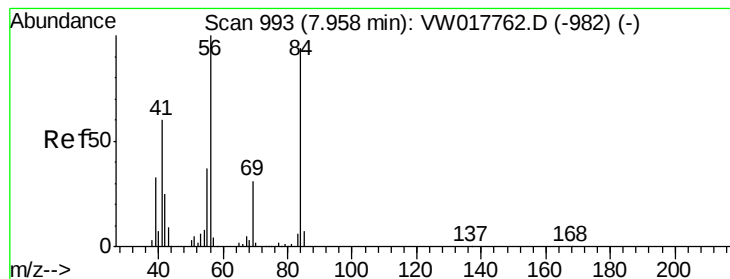
Tgt Ion: 62 Resp: 8627

Ion Ratio Lower Upper

62 100

98 10.4 6.8 10.2#





#29

Cyclohexane

Concen: 1.237 ug/L

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

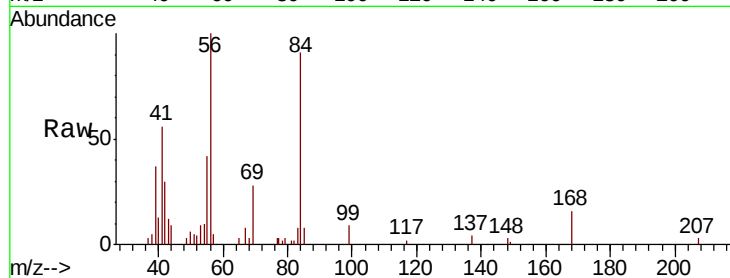
Tot Ion: 56 Resp: 9506

Ion Ratio Lower Upper

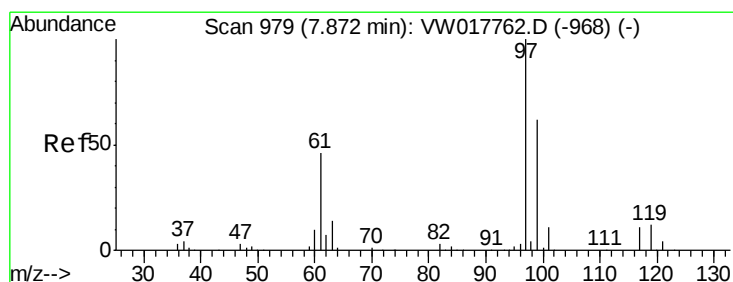
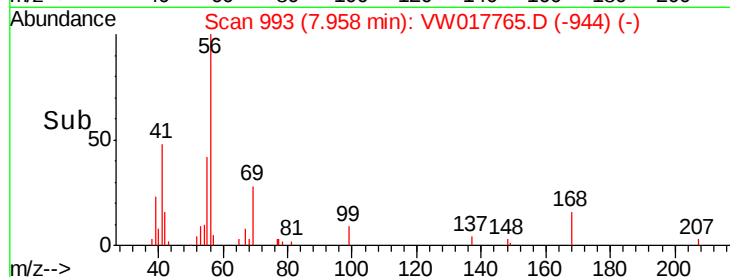
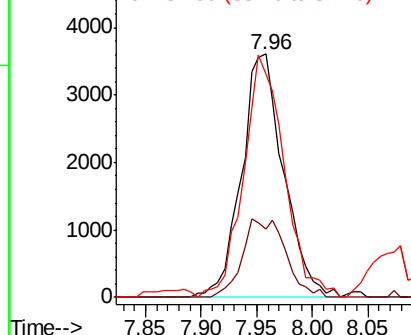
56 100

69 18.6 25.4 38.2#

84 93.2 74.3 111.5



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#30

1,1,1-Trichloroethane

Concen: 1.265 ug/L

RT: 7.87 min Scan# 979

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

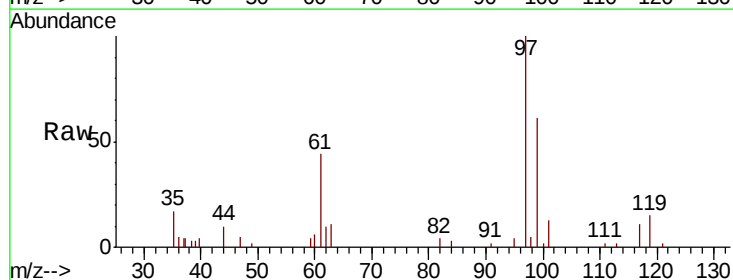
Tgt Ion: 97 Resp: 9409

Ion Ratio Lower Upper

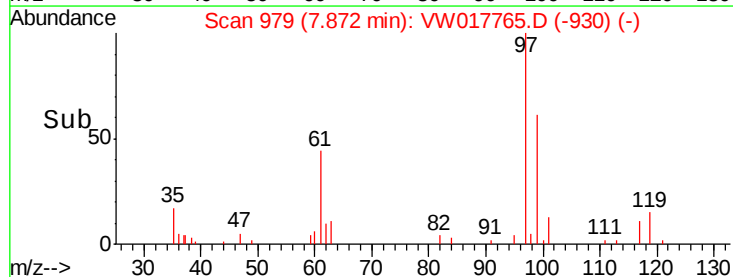
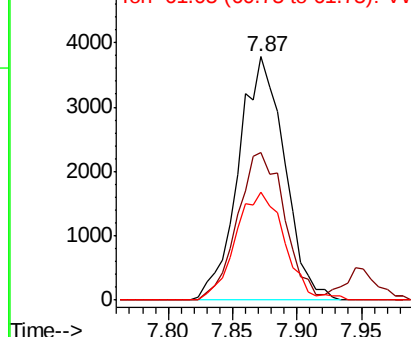
97 100

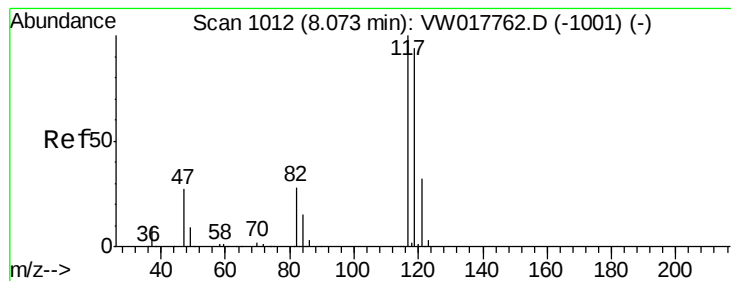
99 61.9 50.6 75.8

61 46.2 36.6 54.8



Abundance Ion 97.00 (96.70 to 97.70): VW
Ion 99.00 (98.70 to 99.70): VW
Ion 61.05 (60.75 to 61.75): VW





#31

Carbon tetrachloride

Concen: 1.168 ug/L

RT: 8.06 min Scan# 1010

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

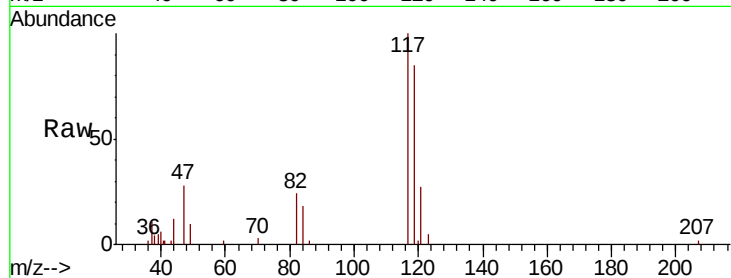
MDL-SOIL-QT1-2020-01

Tot Ion:117 Resp: 8276

Ion Ratio Lower Upper

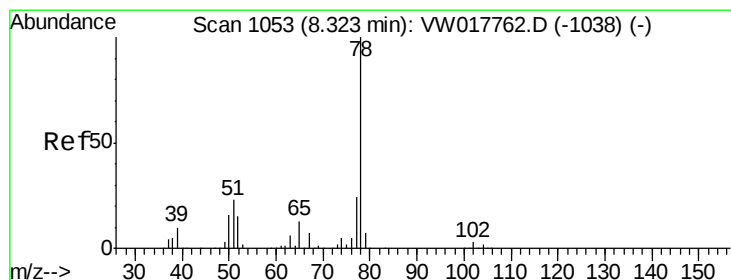
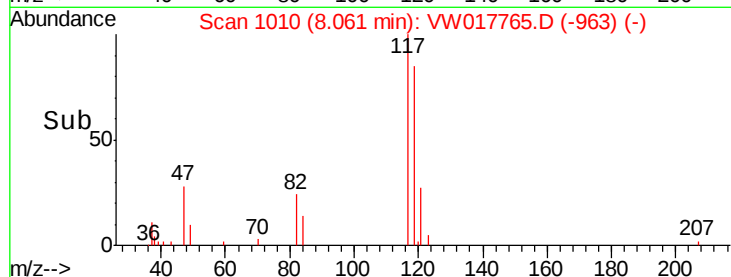
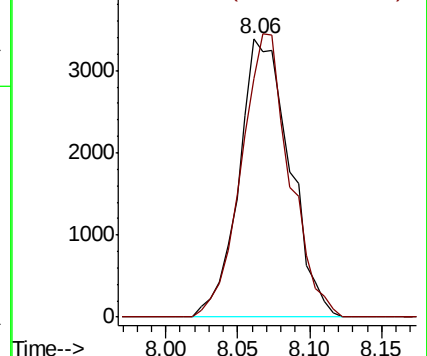
117 100

119 96.9 75.6 113.4



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.483 ug/L

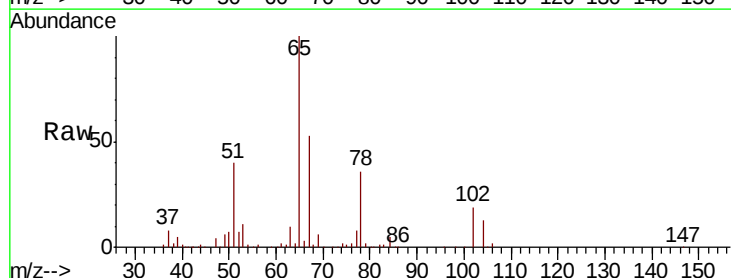
RT: 8.32 min Scan# 1053

Delta R.T. 0.00 min

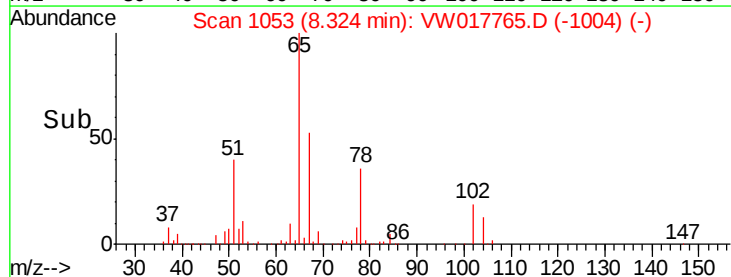
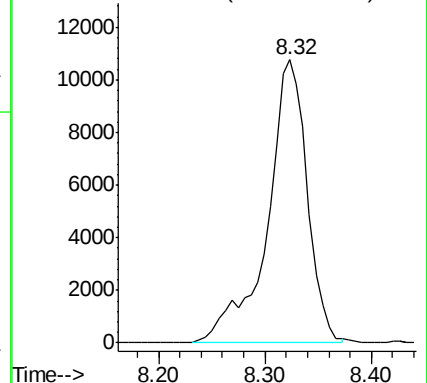
Lab File: VW017765.D

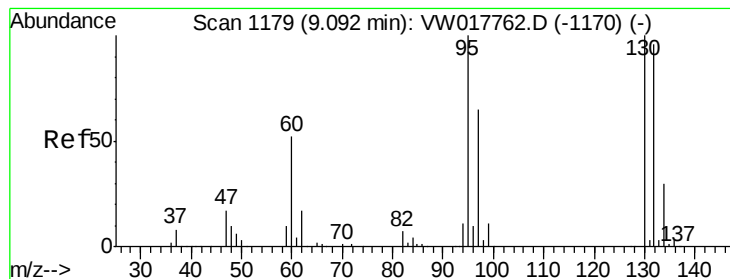
Acq: 28 Dec 2020 16:30

Tgt Ion: 78 Resp: 28096



Abundance Ion 78.00 (77.70 to 78.70): VW





#34

Trichloroethene

Concen: 1.304 ug/L

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tot Ion: 95 Resp: 6689

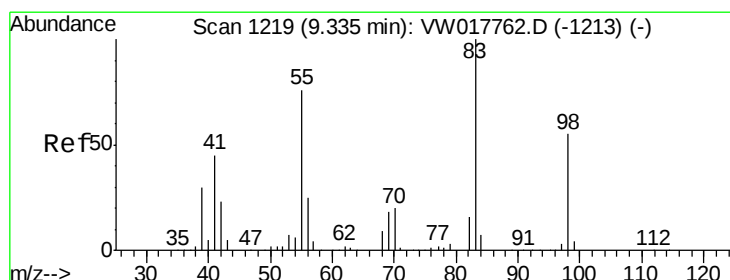
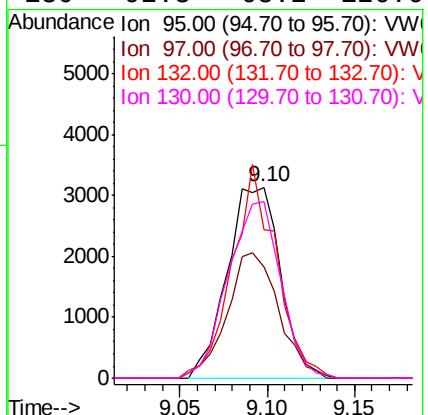
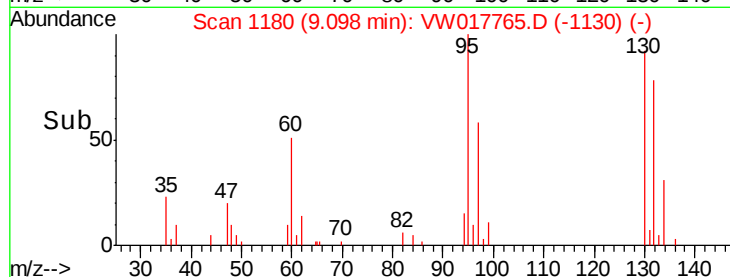
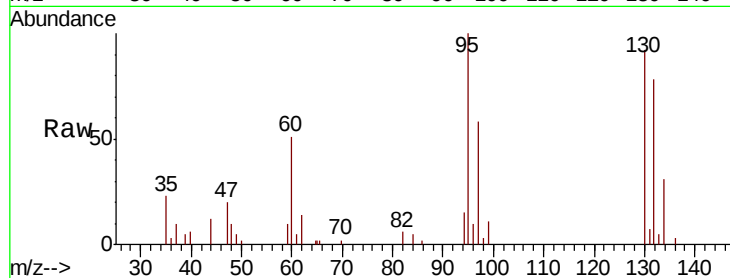
Ion Ratio Lower Upper

95 100

97 58.4 45.6 84.6

132 78.0 69.4 128.8

130 92.3 68.2 126.6



#35

Methylcyclohexane

Concen: 1.206 ug/L

RT: 9.34 min Scan# 1219

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

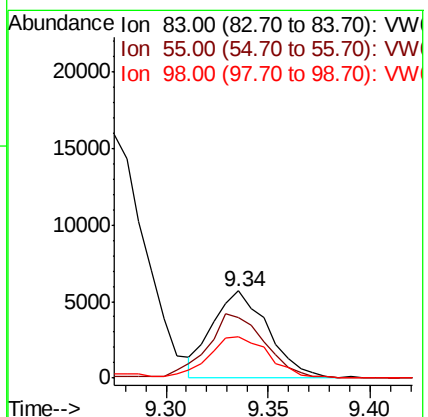
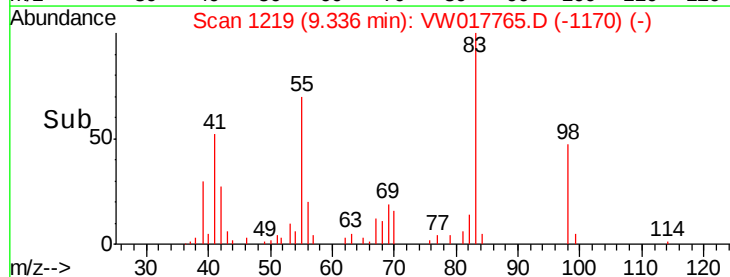
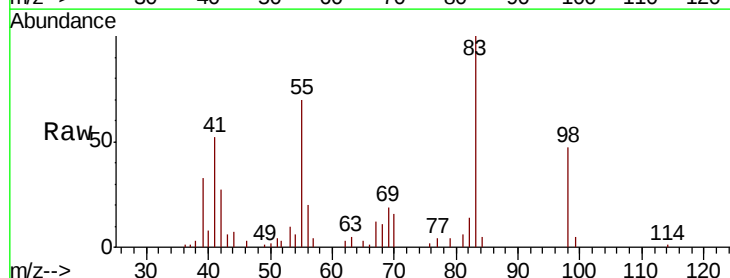
Tgt Ion: 83 Resp: 10597

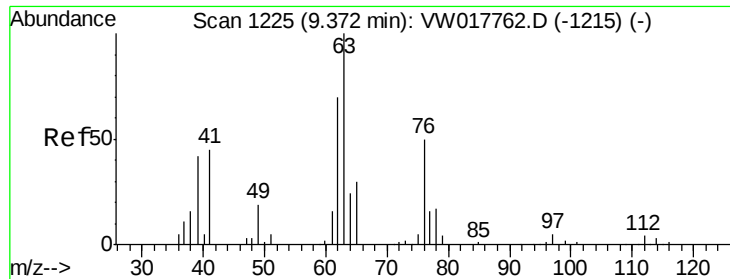
Ion Ratio Lower Upper

83 100

55 76.9 58.6 88.0

98 52.4 40.5 60.7

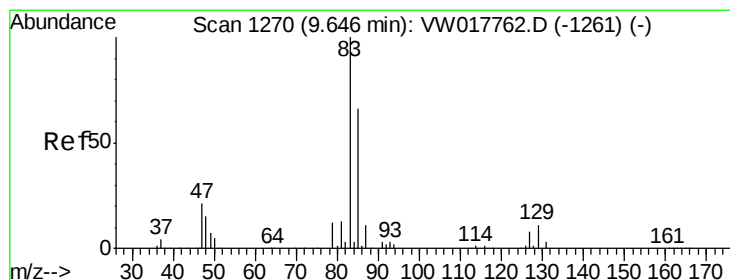
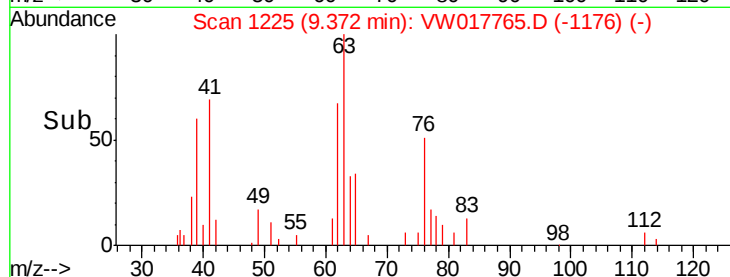
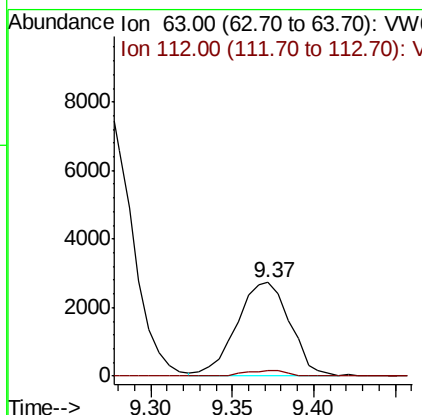
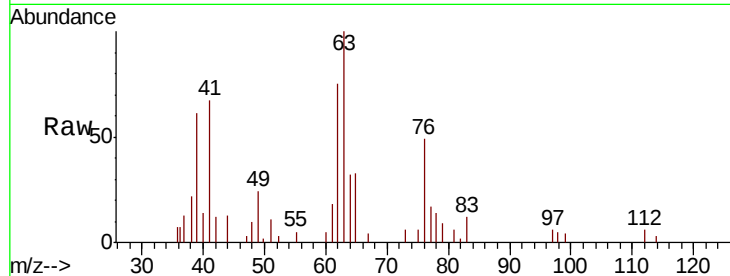




#37
 1,2-Dichloropropane
 Concen: 1.357 ug/L
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

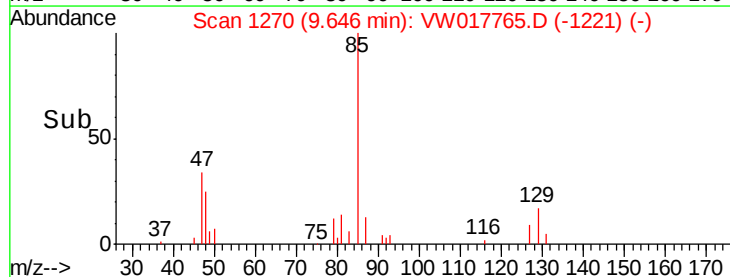
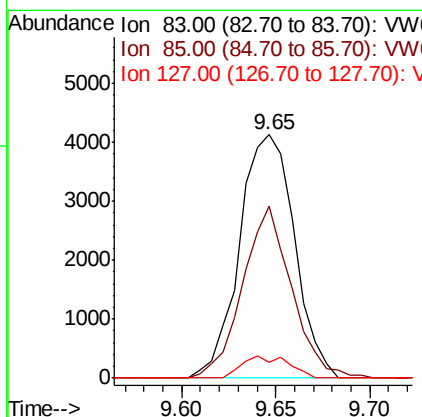
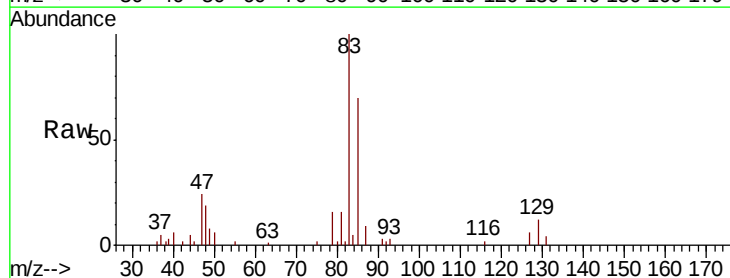
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

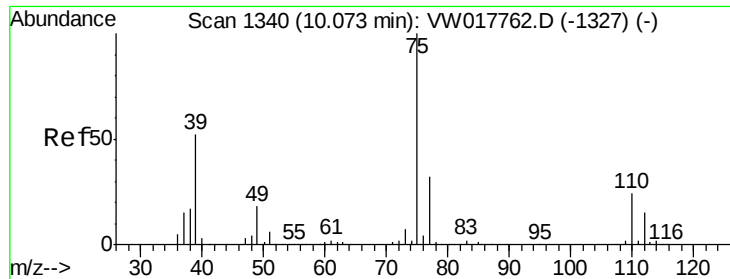
Tot Ion: 63 Resp: 6228
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.6 5.4



#38
 Bromodichloromethane
 Concen: 1.288 ug/L
 RT: 9.65 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion: 83 Resp: 8345
 Ion Ratio Lower Upper
 83 100
 85 70.4 43.0 80.0
 127 6.2 6.1 9.1





#39

cis-1,3-Dichloropropene

Concen: 1.247 ug/L

RT: 10.07 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

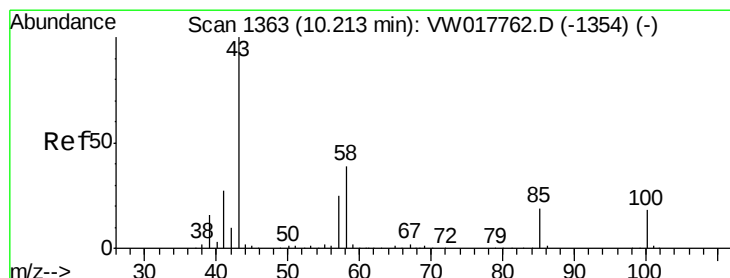
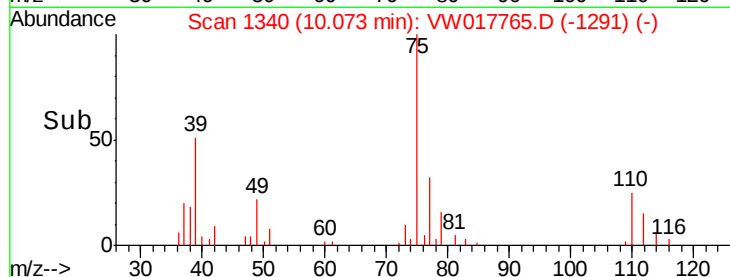
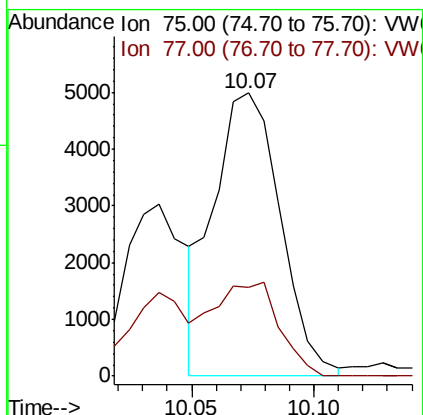
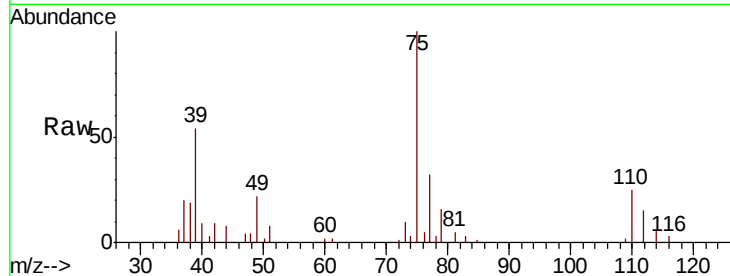
MDL-SOIL-QT1-2020-01

Tot Ion: 75 Resp: 9406

Ion Ratio Lower Upper

75 100

77 31.6 22.4 41.6



#40

4-Methyl-2-pentanone

Concen: 3.064 ug/L

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

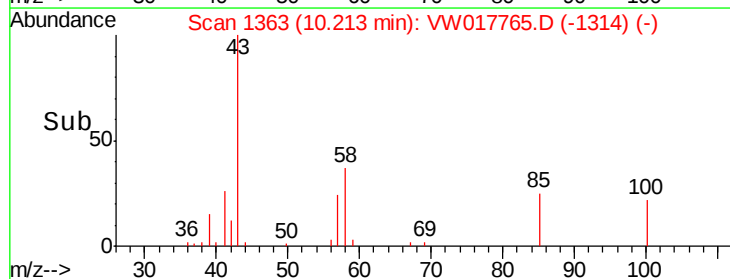
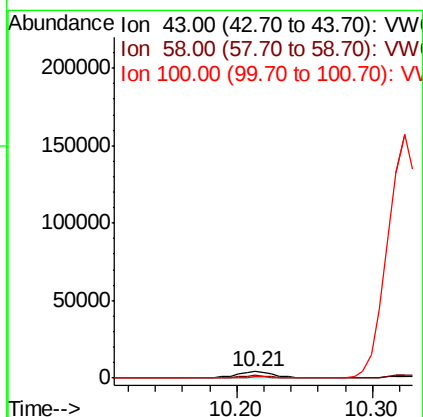
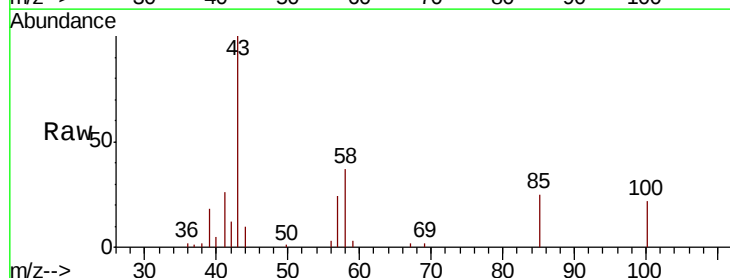
Tgt Ion: 43 Resp: 8517

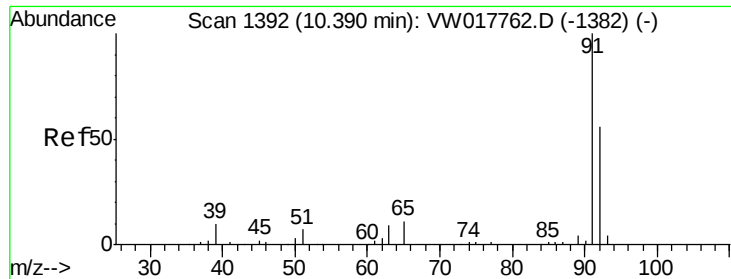
Ion Ratio Lower Upper

43 100

58 35.5 30.3 45.5

100 19.2 12.8 19.2#





#42

Toluene

Concen: 1.299 ug/L

RT: 10.38 min Scan# 1391

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

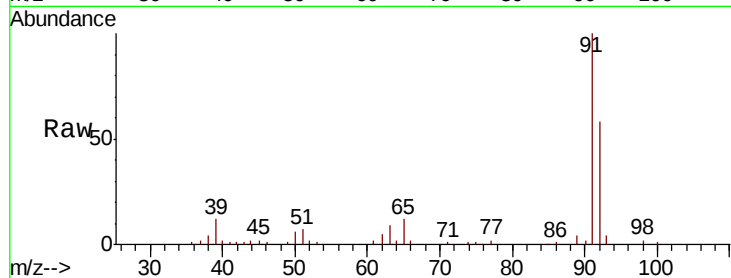
MDL-SOIL-QT1-2020-01

Tot Ion: 91 Resp: 27726

Ion Ratio Lower Upper

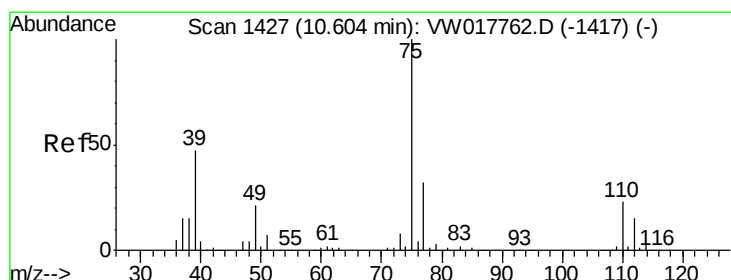
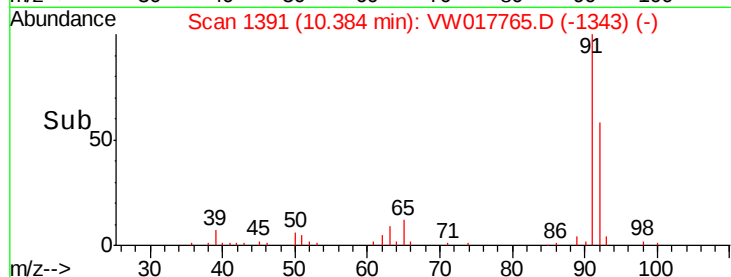
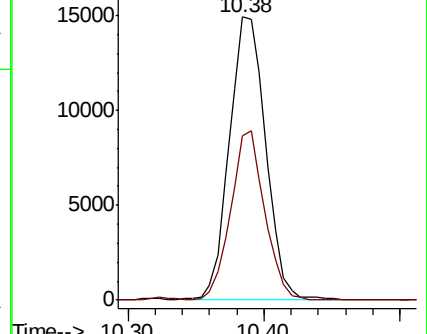
91 100

92 58.0 40.3 74.9



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 92.00 (91.70 to 92.70): VW



#44

trans-1,3-Dichloropropene

Concen: 1.425 ug/L

RT: 10.60 min Scan# 1427

Delta R.T. 0.00 min

Lab File: VW017765.D

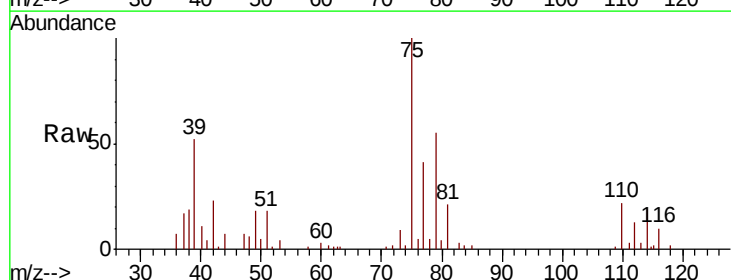
Acq: 28 Dec 2020 16:30

Tgt Ion: 75 Resp: 9660

Ion Ratio Lower Upper

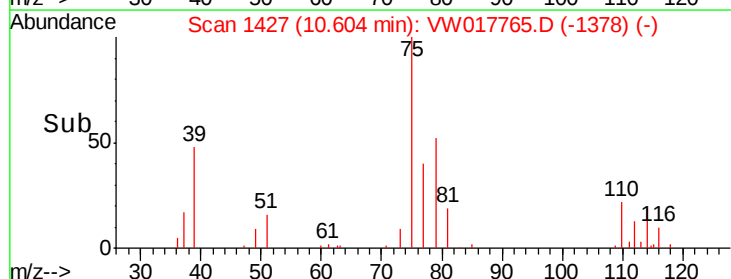
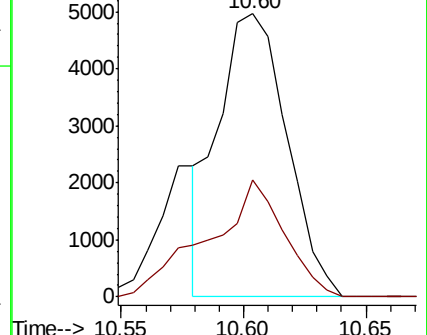
75 100

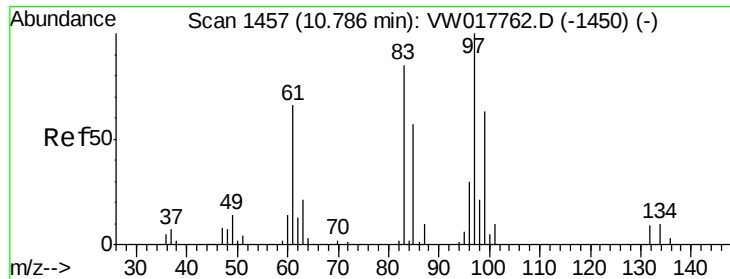
77 41.2 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#45

1,1,2-Trichloroethane

Concen: 1.388 ug/L

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tot Ion: 97 Resp: 5110

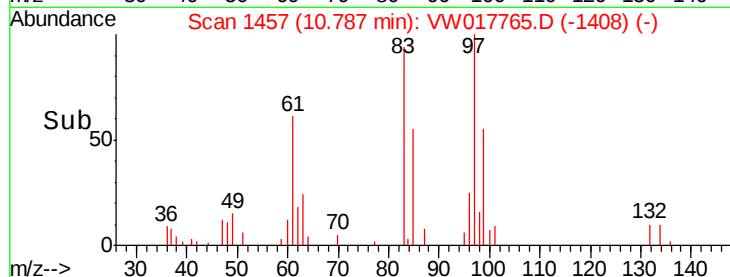
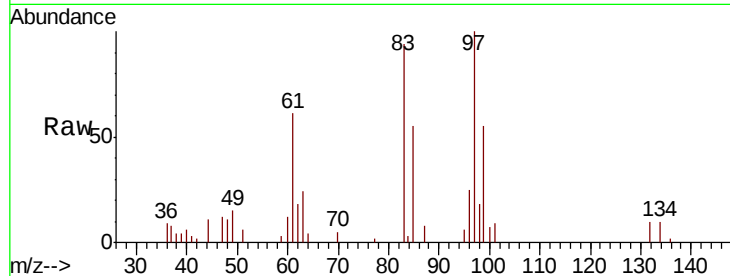
Ion Ratio Lower Upper

97 100

99 55.4 44.0 81.8

83 94.0 59.1 109.9

85 55.1 38.9 72.3

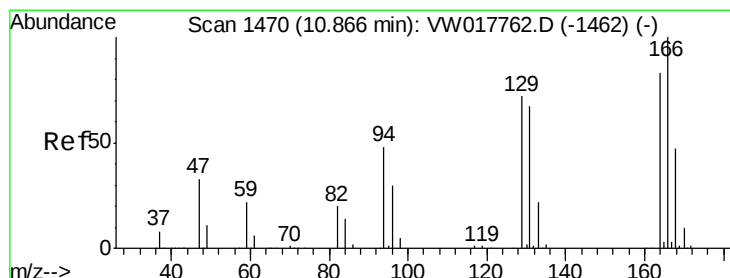
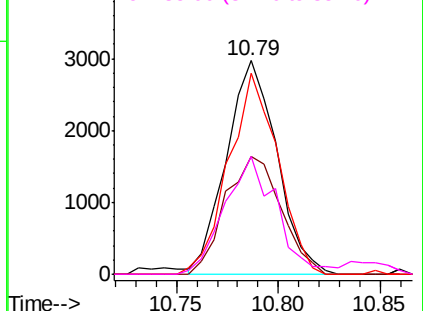


Abundance Ion 97.00 (96.70 to 97.70): VW

Ion 99.00 (98.70 to 99.70): VW

Ion 83.00 (82.70 to 83.70): VW

Ion 85.00 (84.70 to 85.70): VW



#46

Tetrachloroethene

Concen: 1.302 ug/L

RT: 10.86 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Tgt Ion: 164 Resp: 5164

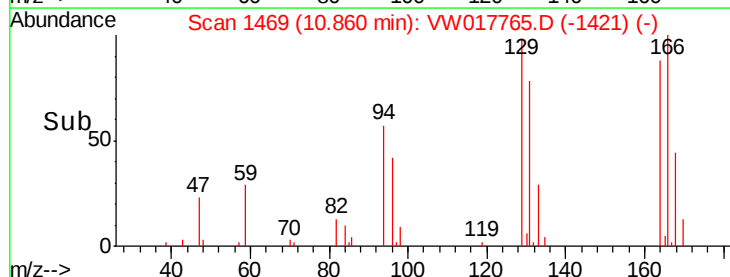
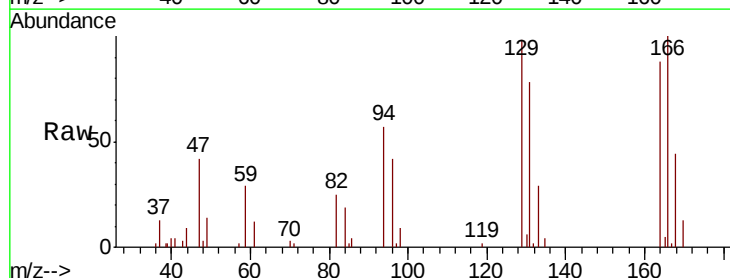
Ion Ratio Lower Upper

164 100

129 111.9 63.3 117.7

131 88.8 63.8 118.6

166 114.0 80.3 149.1

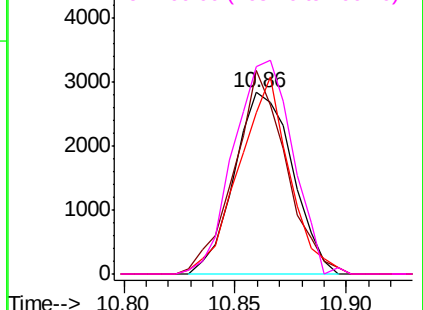


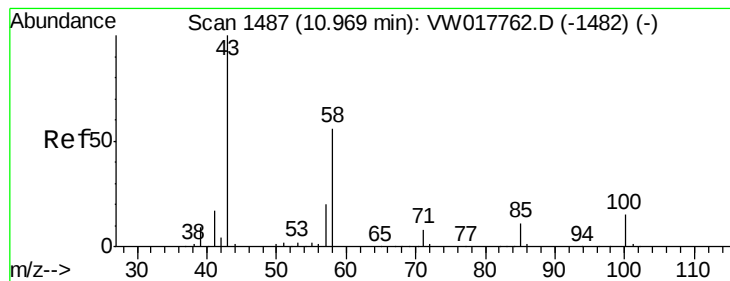
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 3.909 ug/L

RT: 10.97 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

Tot Ion: 43 Resp: 7437

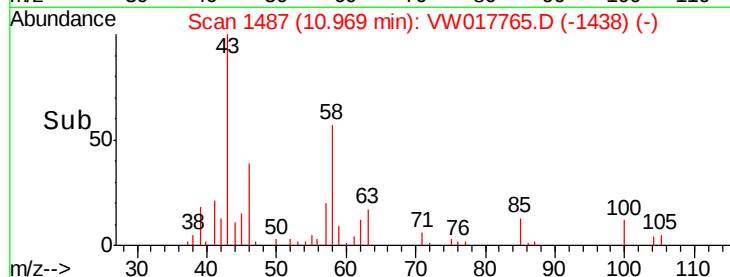
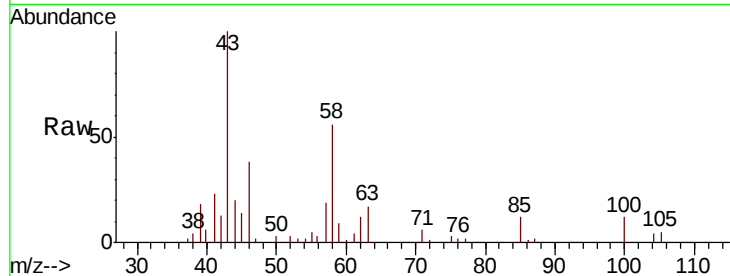
Ion Ratio Lower Upper

43 100

58 62.0 46.8 70.2

57 18.4 14.6 22.0

100 14.1 11.7 17.5

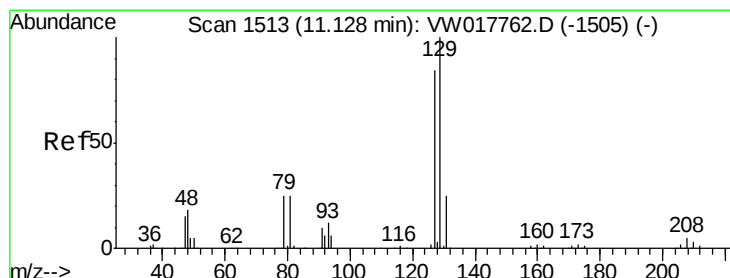
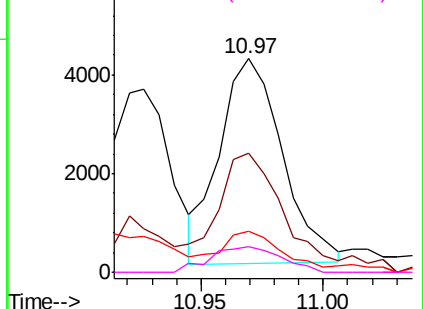


Abundance Ion 43.00 (42.70 to 43.70): VW

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: 1.229 ug/L

RT: 11.13 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VW017765.D

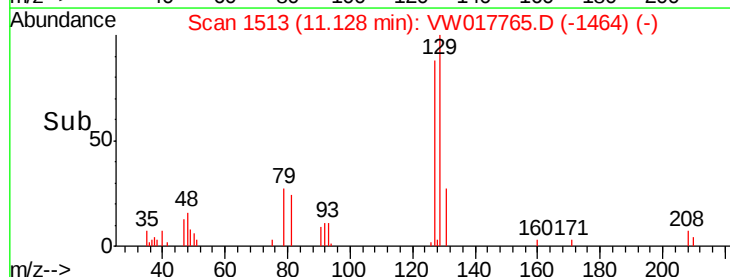
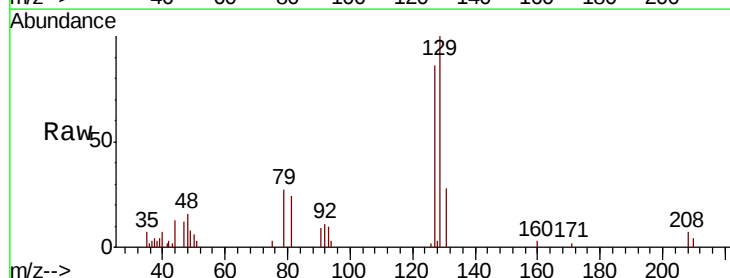
Acq: 28 Dec 2020 16:30

Tgt Ion:129 Resp: 5394

Ion Ratio Lower Upper

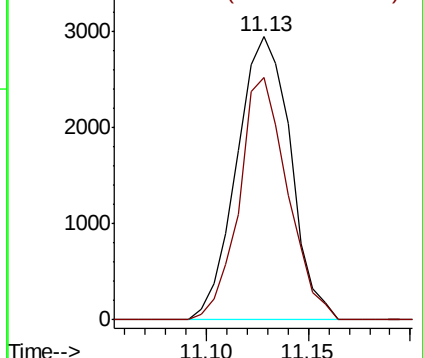
129 100

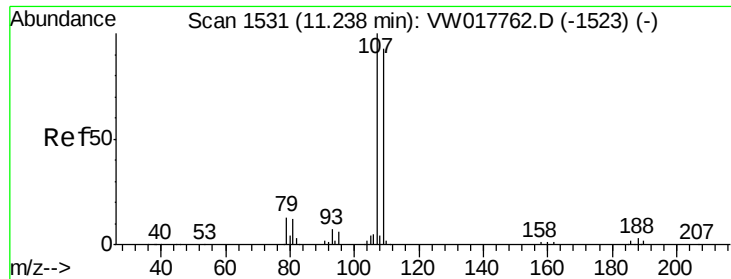
127 85.7 51.6 95.8



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

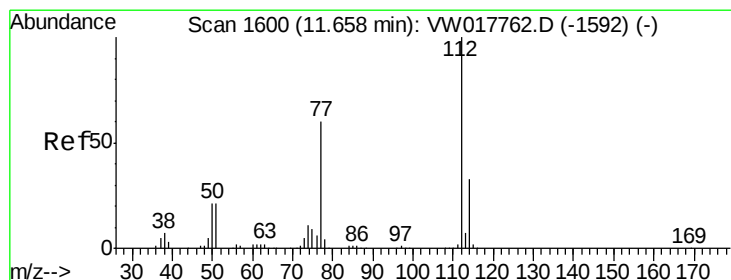
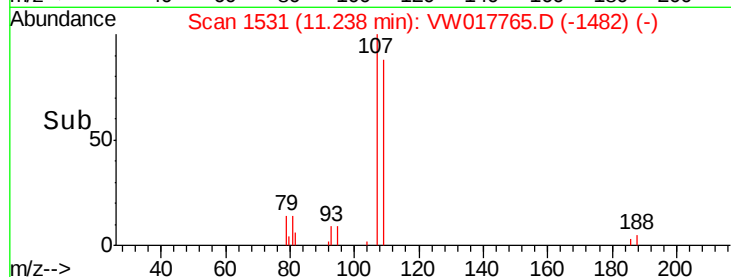
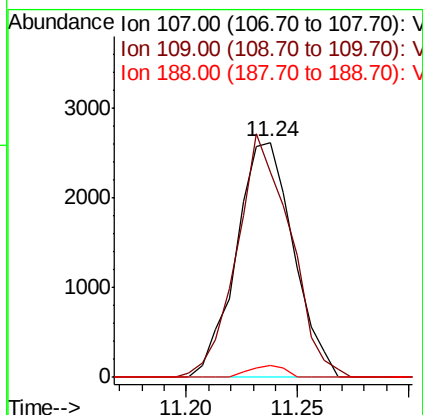
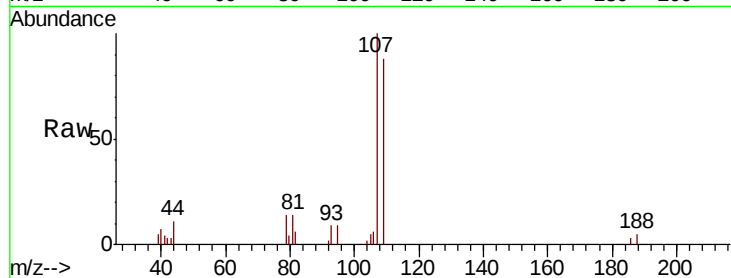




#50
1,2-Dibromoethane
Concen: 1.308 ug/L
RT: 11.24 min Scan# 1531
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

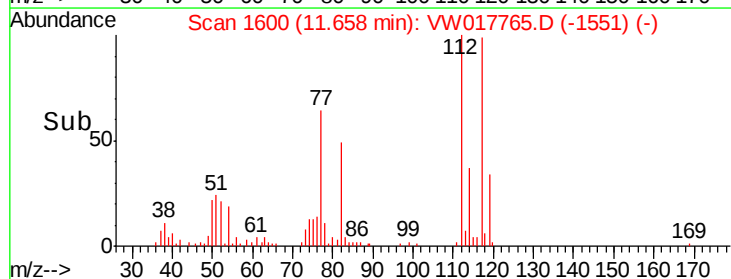
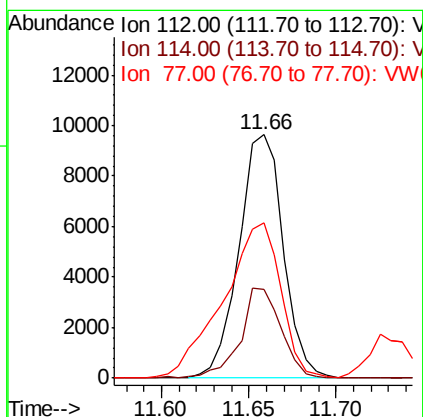
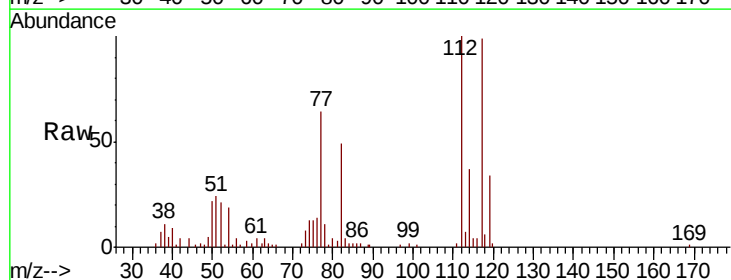
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

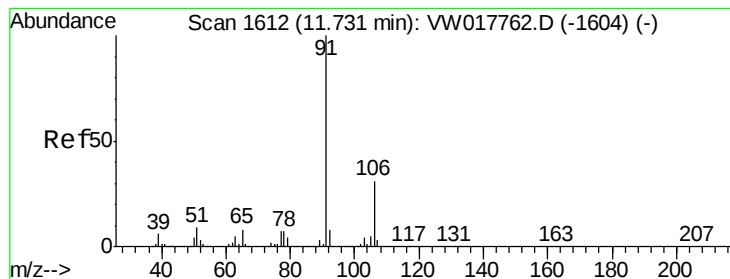
Tot Ion:107 Resp: 4683
Ion Ratio Lower Upper
107 100
109 87.6 69.3 128.7
188 5.0 2.7 4.1#



#51
Chlorobenzene
Concen: 1.263 ug/L
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

Tgt Ion:112 Resp: 17053
Ion Ratio Lower Upper
112 100
114 36.7 22.3 41.3
77 63.6 45.8 68.6





#52

Ethylbenzene

Concen: 1.236 ug/L

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

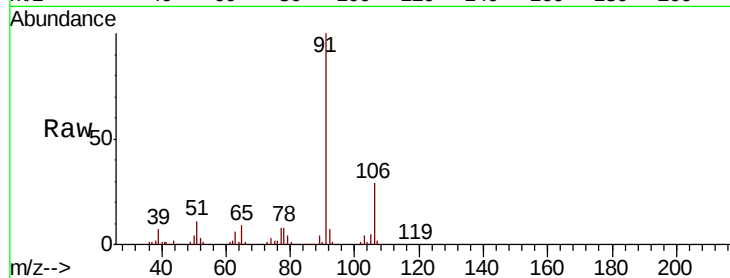
MDL-SOIL-QT1-2020-01

Tot Ion: 91 Resp: 29816

Ion Ratio Lower Upper

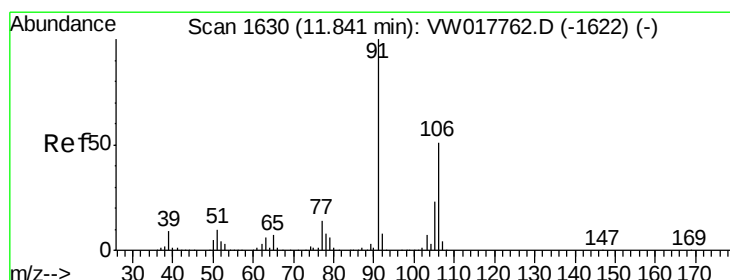
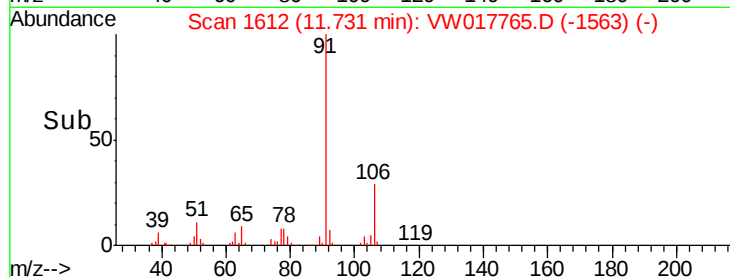
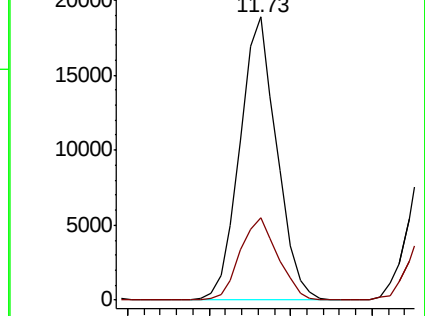
91 100

106 29.1 22.7 42.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 106.00 (105.70 to 106.70): V



#53

m,p-Xylene

Concen: 1.223 ug/L

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW017765.D

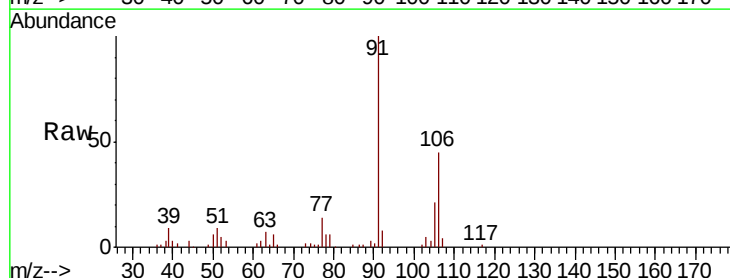
Acq: 28 Dec 2020 16:30

Tgt Ion: 106 Resp: 11387

Ion Ratio Lower Upper

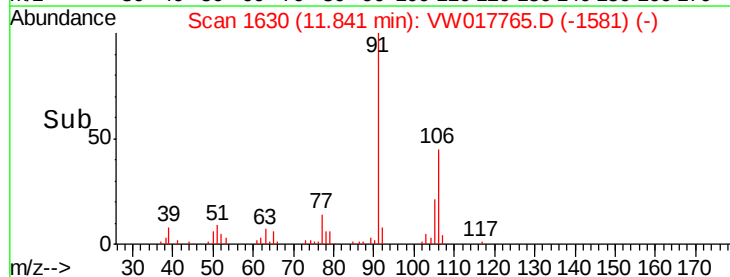
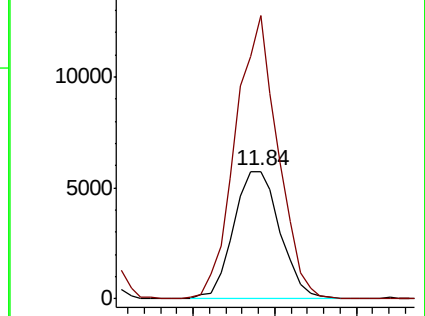
106 100

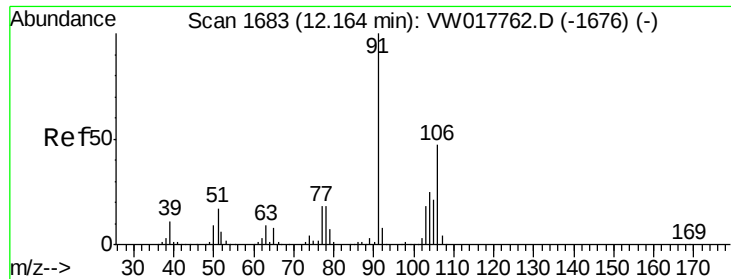
91 222.3 135.6 251.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VW

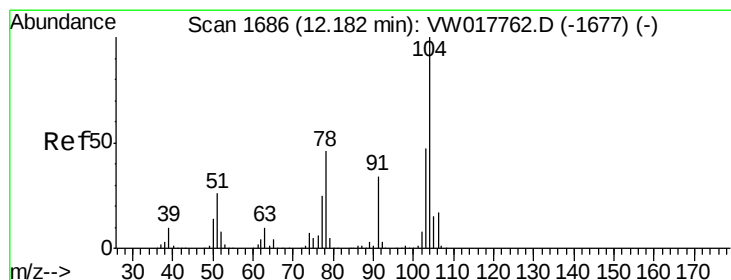
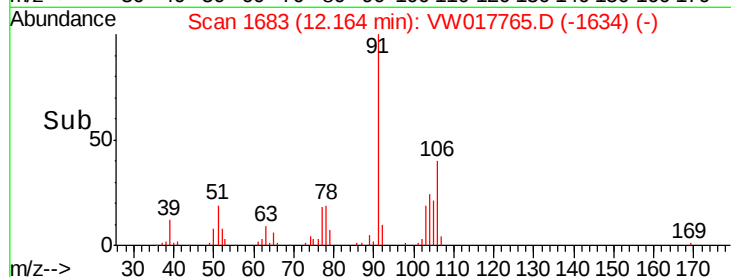
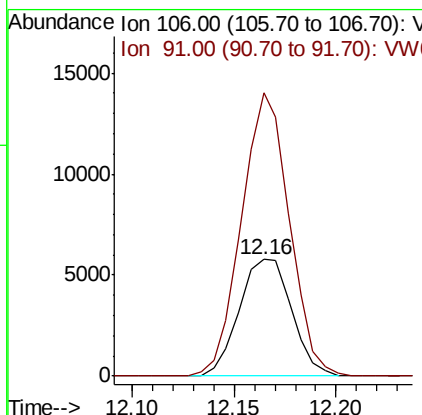
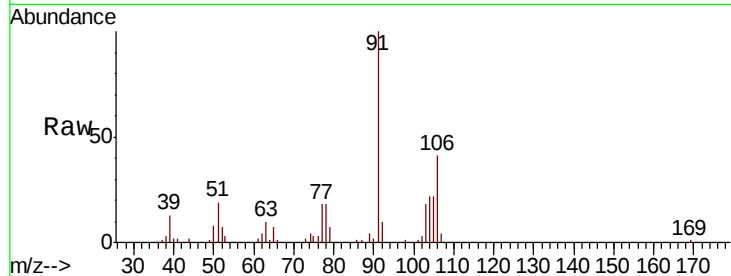




#54
o-Xylene
Concen: 1.164 ug/L
RT: 12.16 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

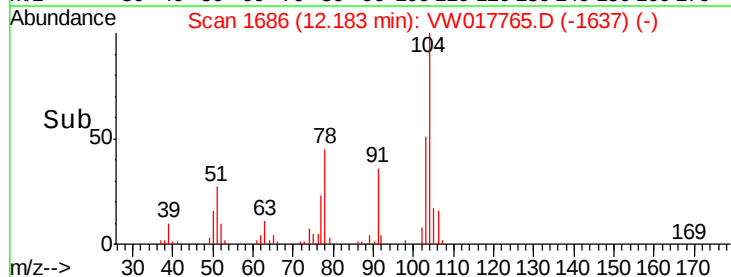
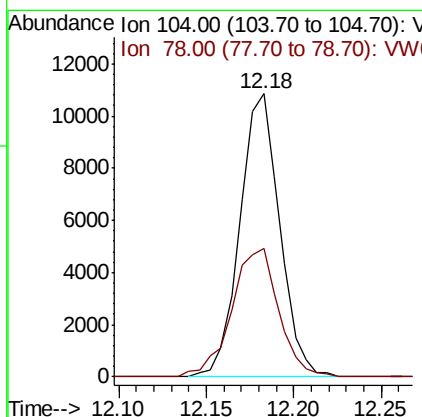
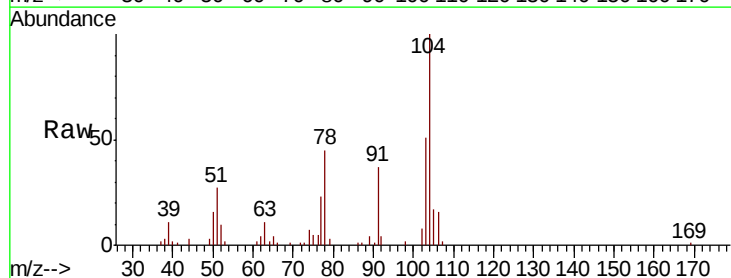
Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

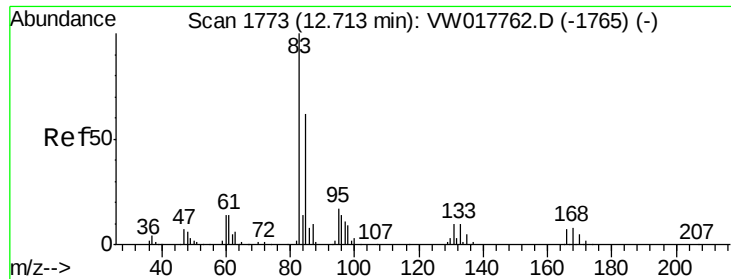
Tot Ion:106 Resp: 10345
Ion Ratio Lower Upper
106 100
91 243.2 152.2 282.6



#55
Styrene
Concen: 1.130 ug/L
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

Tgt Ion:104 Resp: 17189
Ion Ratio Lower Upper
104 100
78 45.2 31.9 59.3

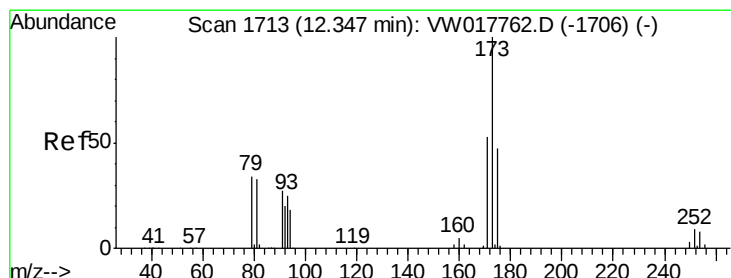
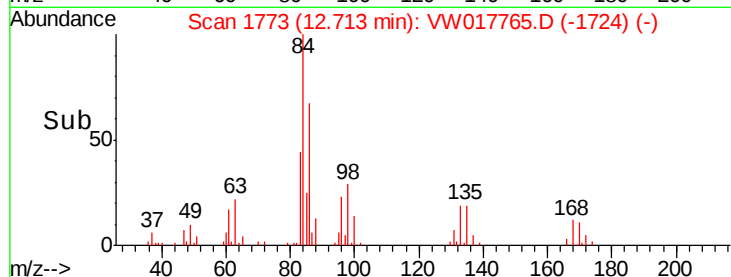
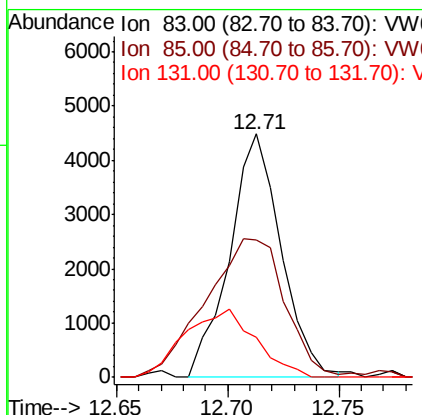
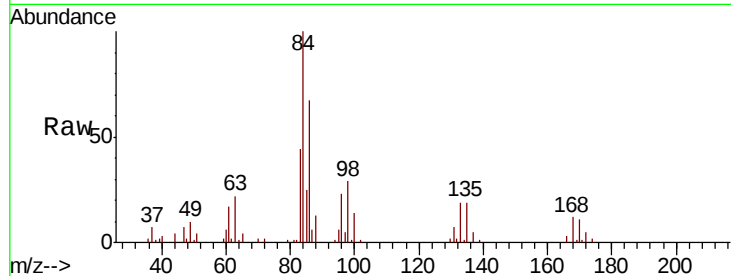




#57
 1,1,2,2-Tetrachloroethane
 Concen: 1.636 ug/L
 RT: 12.71 min Scan# 1773
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

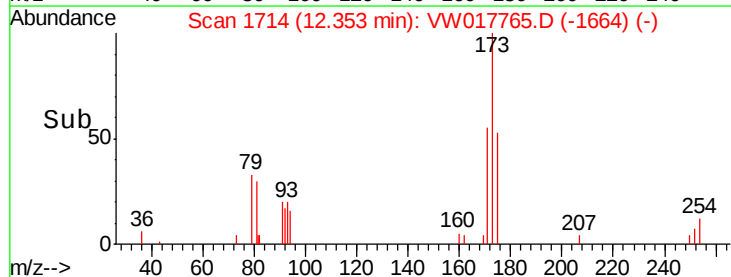
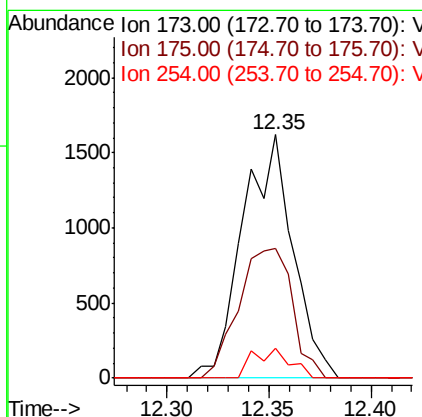
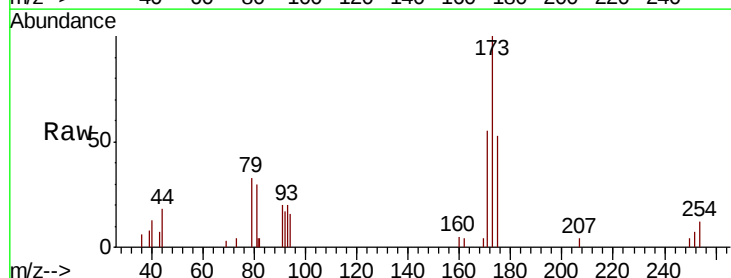
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

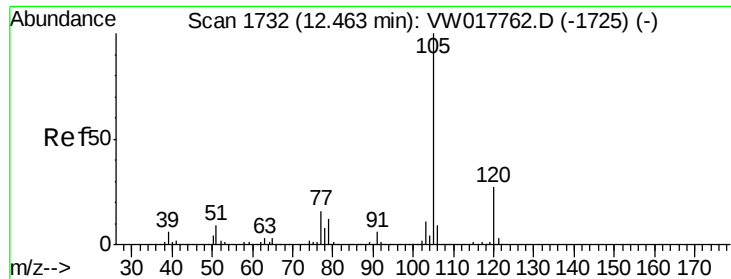
Tot Ion: 83 Resp: 7230
 Ion Ratio Lower Upper
 83 100
 85 56.7 43.5 80.7
 131 16.4 8.2 12.2#



#59
 Bromoform
 Concen: 1.234 ug/L
 RT: 12.35 min Scan# 1714
 Delta R.T. 0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion: 173 Resp: 2783
 Ion Ratio Lower Upper
 173 100
 175 56.6 38.0 57.0
 254 8.8 4.8 7.2#





#60

Isopropylbenzene

Concen: 1.272 ug/L

RT: 12.46 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

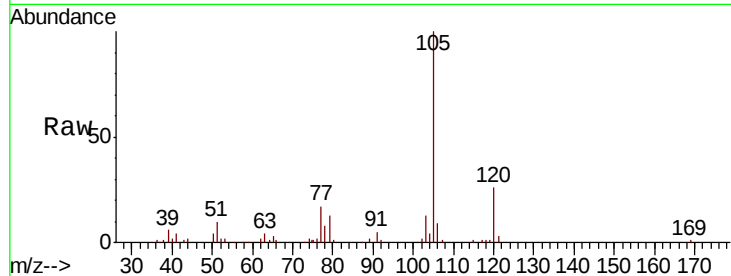
Tot Ion:105 Resp: 28886

Ion Ratio Lower Upper

105 100

120 25.1 21.2 31.8

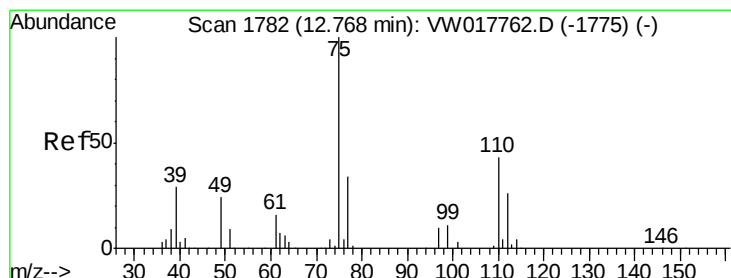
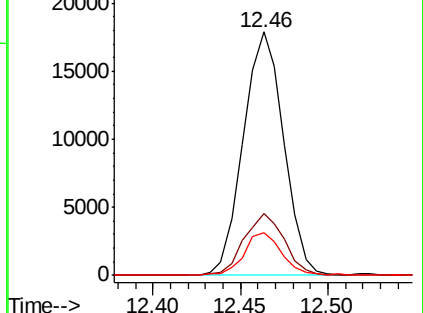
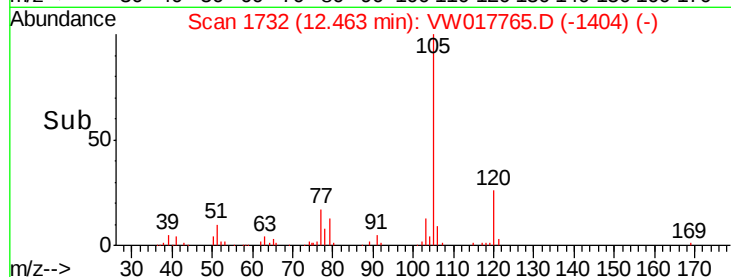
77 16.5 12.9 19.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#61

1,2,3-Trichloropropane

Concen: 1.603 ug/L

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

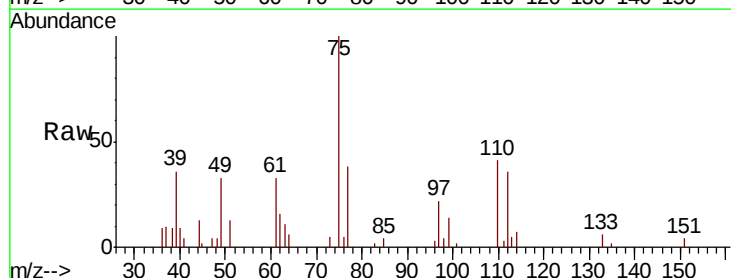
Tgt Ion: 75 Resp: 5032

Ion Ratio Lower Upper

75 100

77 37.9 25.7 38.5

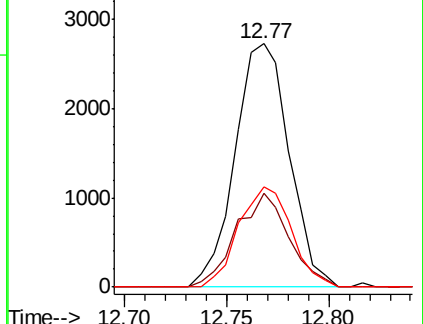
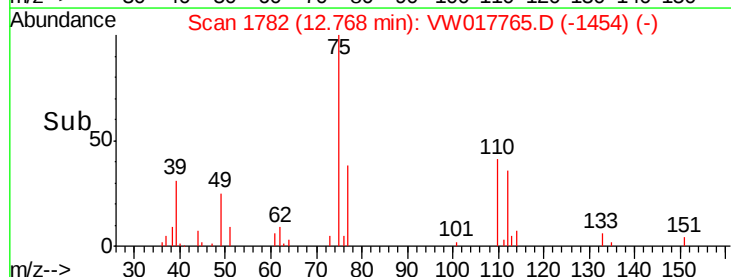
110 40.2 33.0 49.6

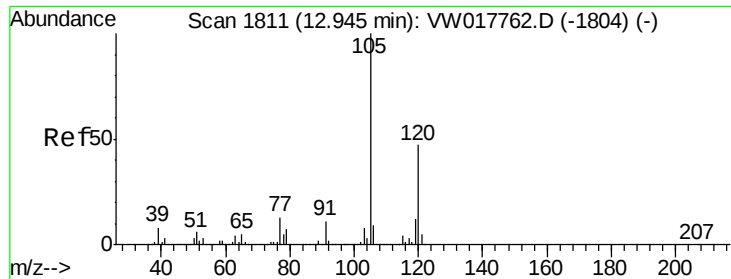


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW

Ion 110.00 (109.70 to 110.70): V

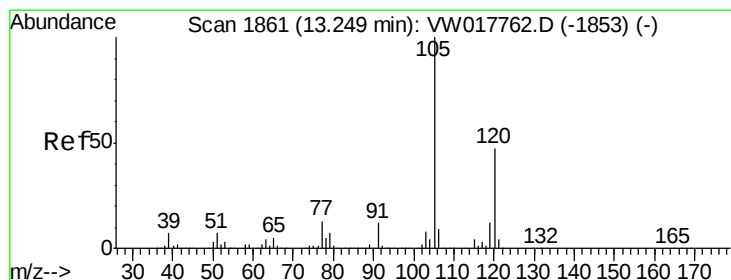
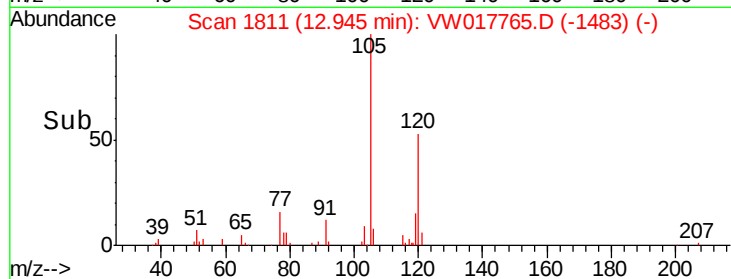
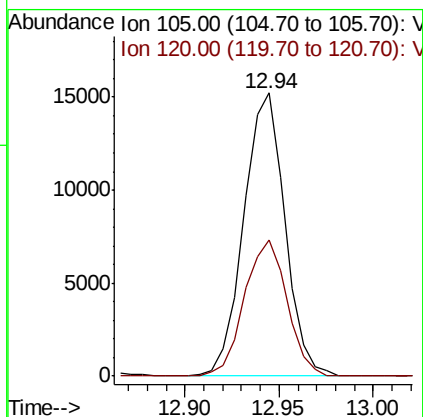
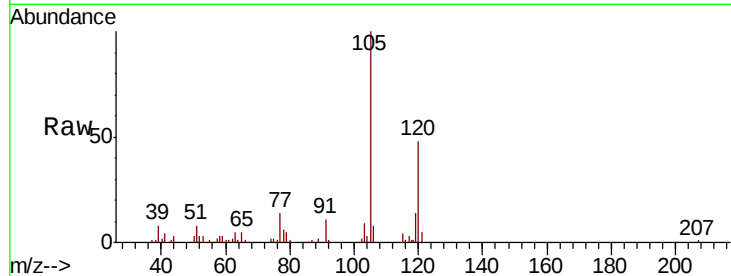




#62
 1,3,5-Trimethylbenzene
 Concen: 1.241 ug/L
 RT: 12.94 min Scan# 1811
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

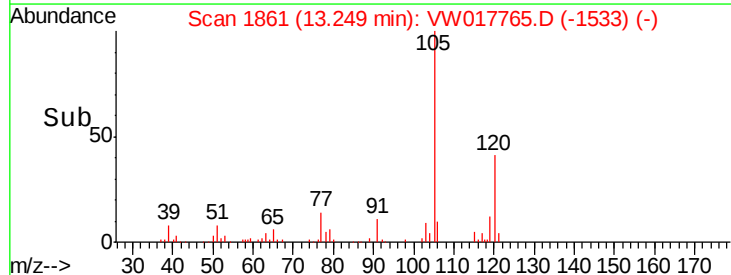
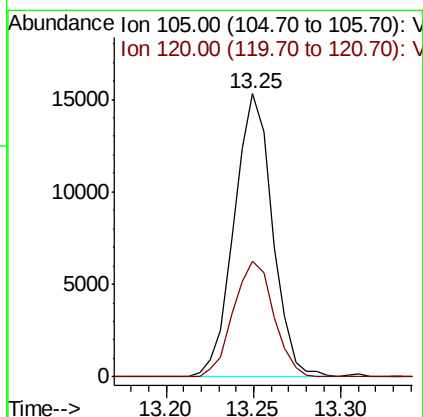
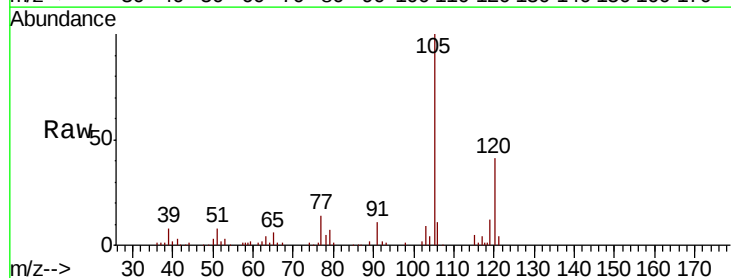
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

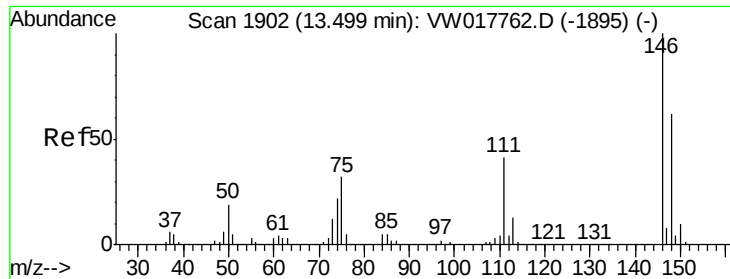
Tot Ion:105 Resp: 23068
 Ion Ratio Lower Upper
 105 100
 120 49.7 38.7 58.1



#63
 1,2,4-Trimethylbenzene
 Concen: 1.248 ug/L
 RT: 13.25 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion:105 Resp: 23335
 Ion Ratio Lower Upper
 105 100
 120 42.9 37.5 56.3

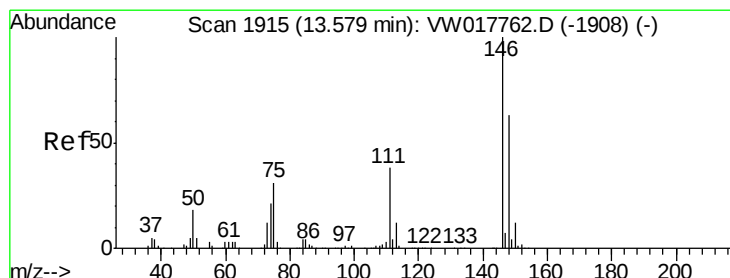
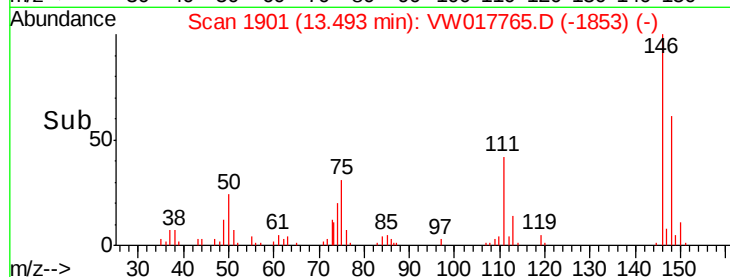
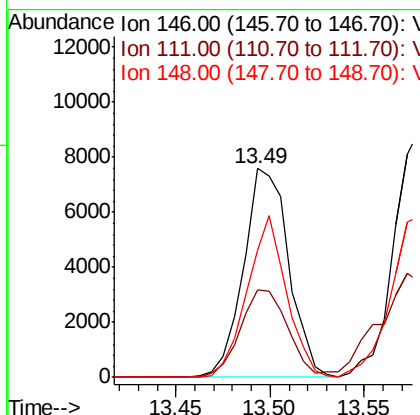
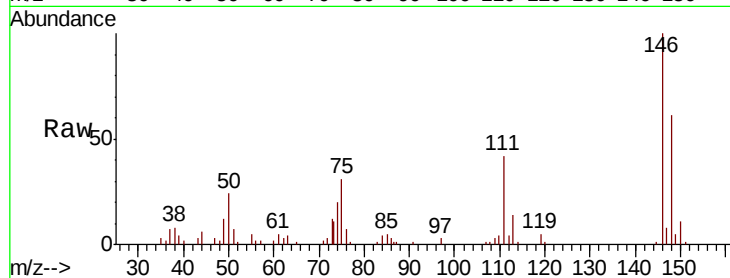




#64
 1,3-Dichlorobenzene
 Concen: 1.281 ug/L
 RT: 13.49 min Scan# 1901
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

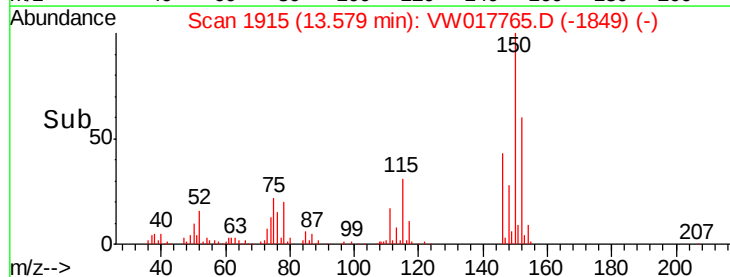
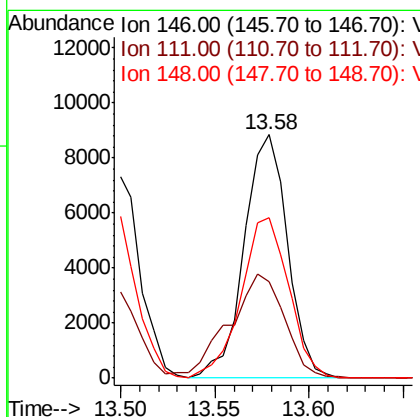
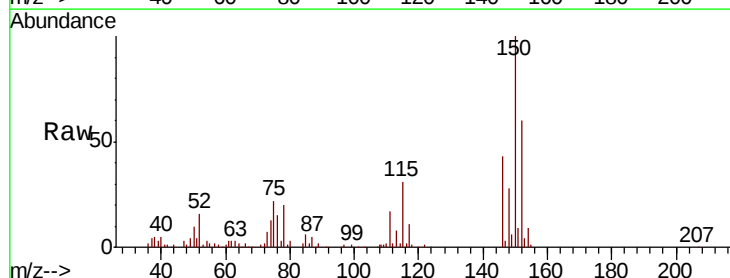
Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

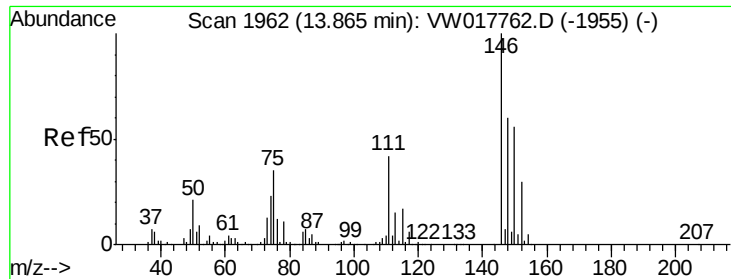
Tot Ion:146 Resp: 12603
 Ion Ratio Lower Upper
 146 100
 111 41.8 28.8 53.6
 148 61.1 43.0 80.0



#65
 1,4-Dichlorobenzene
 Concen: 1.438 ug/L
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion:146 Resp: 14129
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.6 51.2
 148 66.1 42.4 78.6





#67

1,2-Dichlorobenzene

Concen: 1.467 ug/L

RT: 13.87 min Scan# 1963

Delta R.T. 0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

Instrument :

MSVOA_W

ClientSampleId :

MDL-SOIL-QT1-2020-01

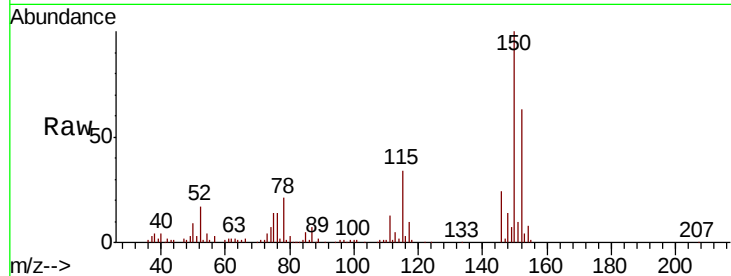
Tot Ion:146 Resp: 13192

Ion Ratio Lower Upper

146 100

111 53.5 30.6 45.8#

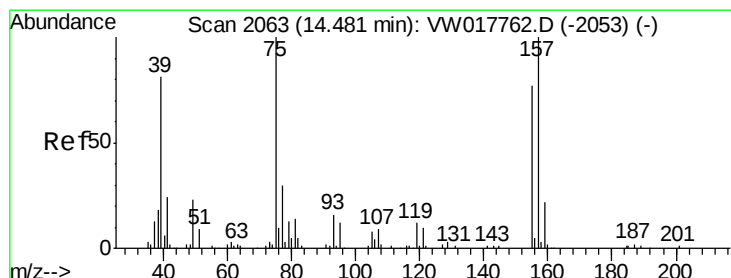
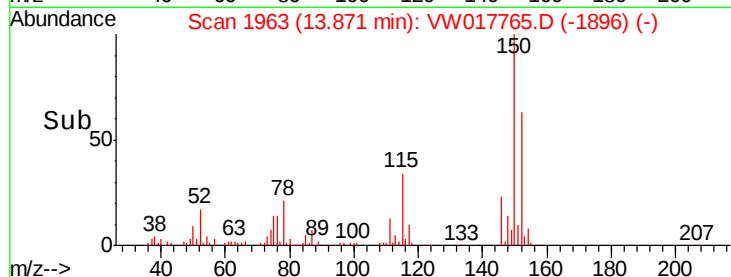
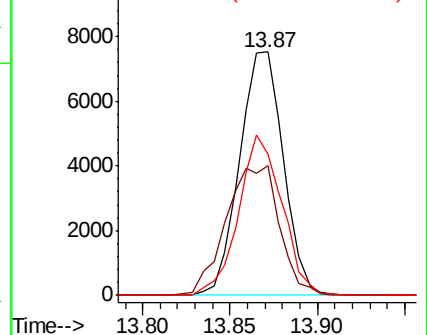
148 58.0 48.1 72.1



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: 1.746 ug/L

RT: 14.49 min Scan# 2064

Delta R.T. 0.01 min

Lab File: VW017765.D

Acq: 28 Dec 2020 16:30

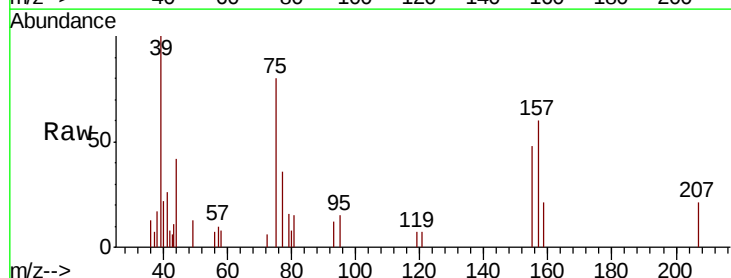
Tgt Ion: 75 Resp: 1252

Ion Ratio Lower Upper

75 100

155 59.9 54.9 82.3

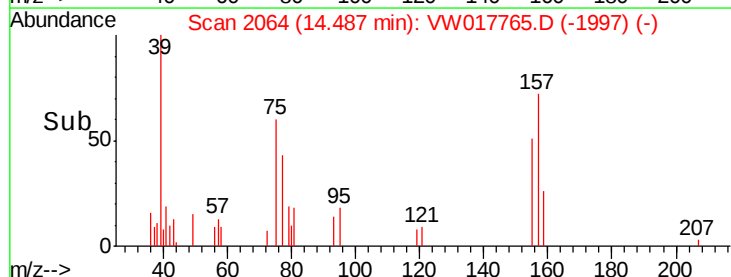
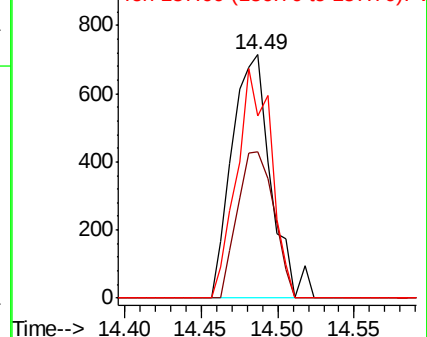
157 74.6 70.4 105.6

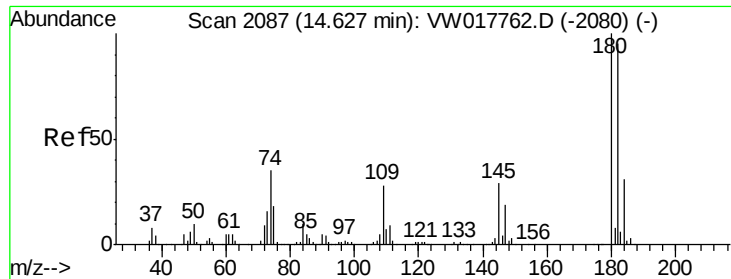


Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

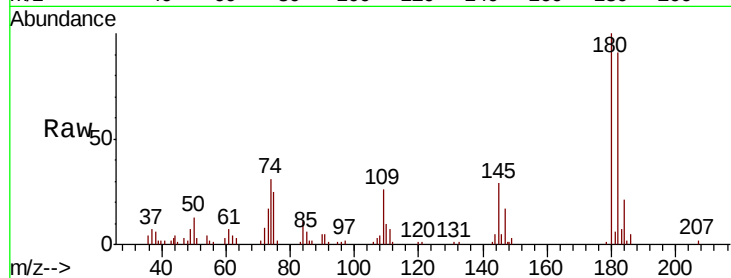




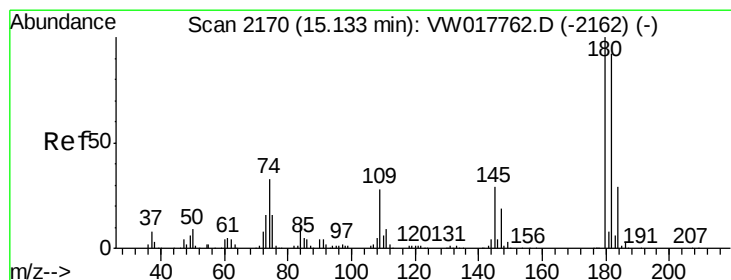
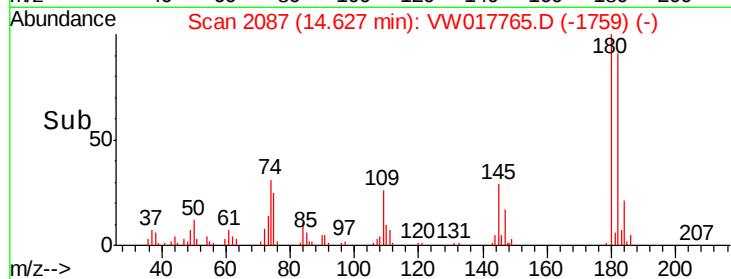
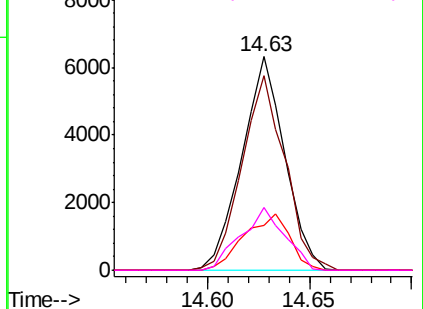
#69
 1,3,5-Trichlorobenzene
 Concen: 1.392 ug/L
 RT: 14.63 min Scan# 2087
 Delta R.T. 0.00 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Instrument :
 MSVOA_W
 ClientSampleId :
 MDL-SOIL-QT1-2020-01

Tot Ion:180 Resp: 9273
 Ion Ratio Lower Upper
 180 100
 182 90.6 76.1 114.1
 184 27.9 24.2 36.4
 145 30.1 25.6 38.4

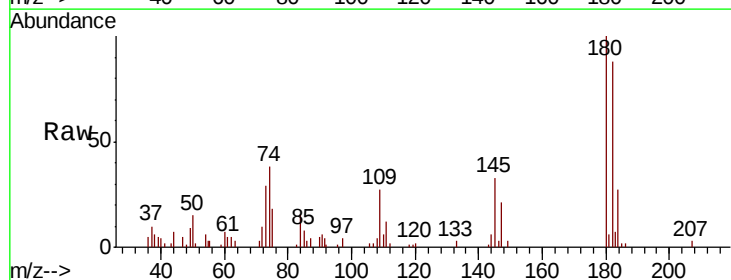


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

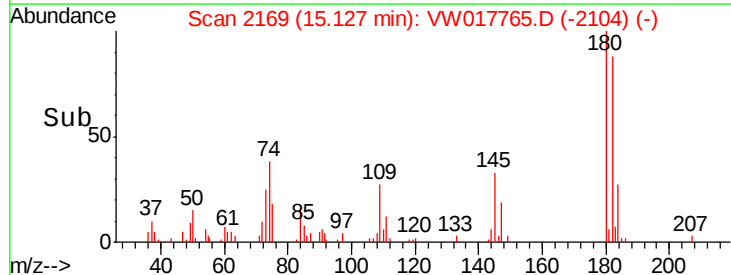
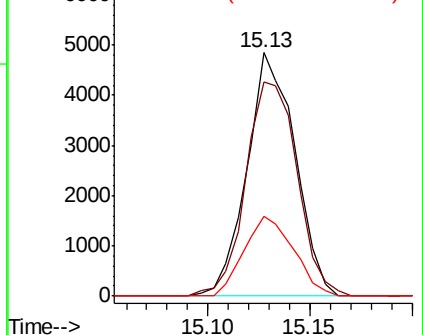


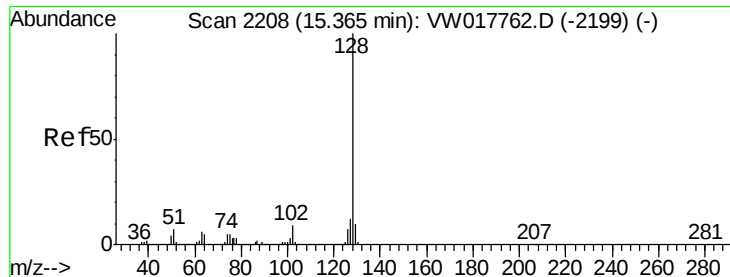
#70
 1,2,4-trichlorobenzene
 Concen: 1.378 ug/L
 RT: 15.13 min Scan# 2169
 Delta R.T. -0.01 min
 Lab File: VW017765.D
 Acq: 28 Dec 2020 16:30

Tgt Ion:180 Resp: 7947
 Ion Ratio Lower Upper
 180 100
 182 94.0 72.3 108.5
 145 33.7 25.6 38.4



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

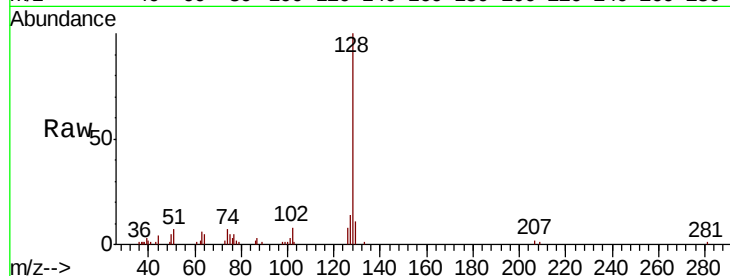




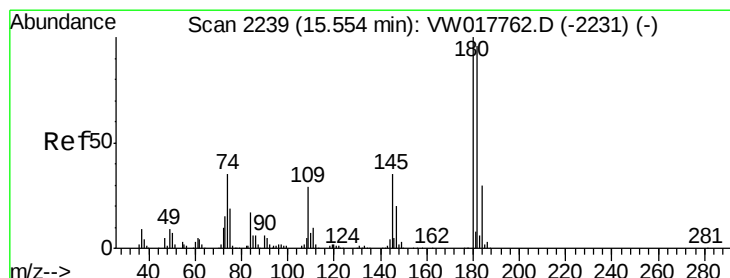
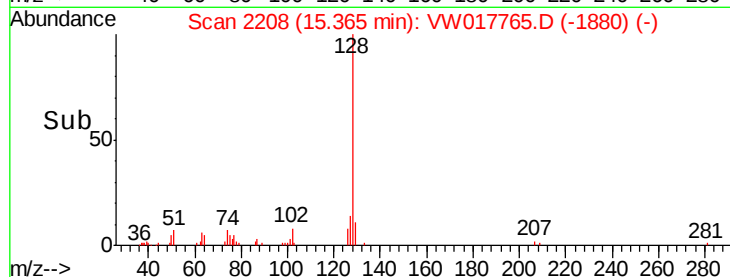
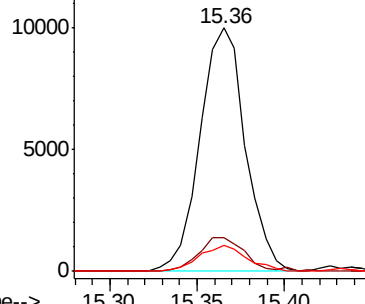
#71
Naphthalene
Concen: 1.458 ug/L
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

Instrument :
MSVOA_W
ClientSampleId :
MDL-SOIL-QT1-2020-01

Tot Ion:128 Resp: 18068
Ion Ratio Lower Upper
128 100
127 13.9 10.6 16.0
129 11.1 8.8 13.2

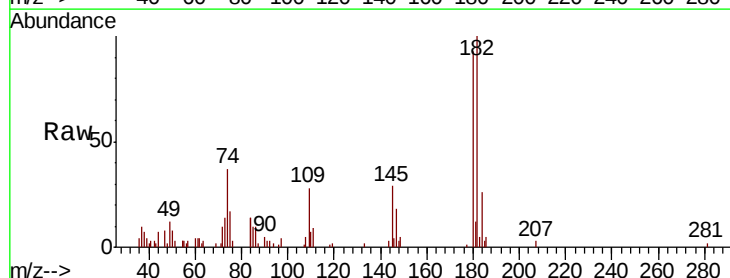


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#72
1,2,3-Trichlorobenzene
Concen: 1.491 ug/L
RT: 15.55 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VW017765.D
Acq: 28 Dec 2020 16:30

Tgt Ion:180 Resp: 7619
Ion Ratio Lower Upper
180 100
182 96.8 74.5 111.7
145 38.0 27.1 40.7



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

