

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019220.D
 Acq On : 03 Nov 2020 00:30
 Operator : SY/MD
 Sample : L4485-15
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-ME-SOIL-01

Quant Time: Nov 03 05:29:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 03 05:28:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	228644	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	218111	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	110334	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	88856	50.36	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.72%
7) Chloroethane-d5	1.58	69	73780	53.36	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	106.72%
11) 1,1-Dichloroethene-d2	2.13	63	130511	39.95	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.90%
21) 2-Butanone-d5	3.91	46	107956	110.96	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	110.96%
24) Chloroform-d	4.56	84	149	0.05	ug/L	0.18
Spiked Amount	50.000	Range	70 - 125	Recovery	=	0.10%#
26) 1,2-Dichloroethane-d4	5.06	65	118212	51.37	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.74%
32) Benzene-d6	5.07	84	309662	51.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.84%
36) 1,2-Dichloropropane-d6	6.09	67	94501	52.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.10%
41) Toluene-d8	7.33	98	272566	48.58	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.16%
43) trans-1,3-Dichloropropene-	7.64	79	50681	49.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.56%
47) 2-Hexanone-d5	8.11	63	69543	99.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.62%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	119543	49.89	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.78%
66) 1,2-Dichlorobenzene-d4	11.65	152	114640	51.94	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.88%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	2932	2.093	ug/L	91
3) Chloromethane	1.25	50	3448	2.364	ug/L	96
5) Vinyl chloride	1.32	62	3889	2.562	ug/L #	59
6) Bromomethane	1.53	94	2752	2.697	ug/L	96
8) Chloroethane	1.60	64	2909	2.930	ug/L	89
9) Trichlorofluoromethane	1.77	101	5439	2.164	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	3384	2.834	ug/L #	73
12) 1,1-Dichloroethene	2.13	96	3987	3.230	ug/L #	1
13) Acetone	2.20	43	3817	5.159	ug/L	75
14) Carbon disulfide	2.31	76	8353	2.357	ug/L	99
15) Methyl Acetate	2.46	43	3363	2.346	ug/L	91
16) Methylene chloride	2.53	84	3797	2.588	ug/L	92
17) trans-1,2-Dichloroethene	2.78	96	3018	2.254	ug/L	90
18) Methyl tert-butyl Ether	2.79	73	10836	2.302	ug/L	100
19) 1,1-Dichloroethane	3.22	63	6132	2.337	ug/L	97
20) cis-1,2-Dichloroethene	3.95	96	2050	1.385	ug/L	86
23) Bromochloromethane	4.28	128	1865	2.289	ug/L #	79

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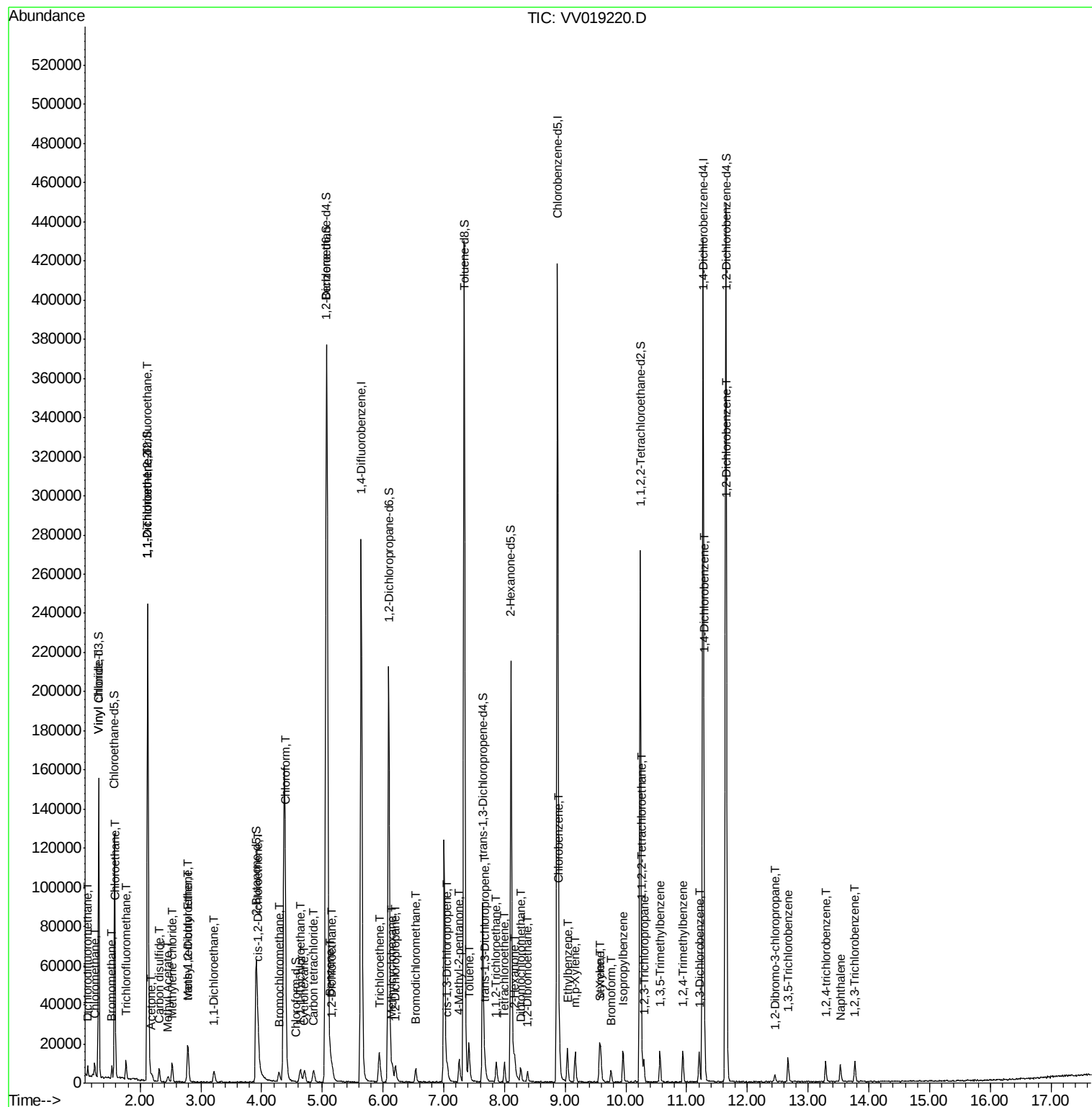
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	7185	2.554	ug/L	76
27) 1,2-Dichloroethane	5.16	62	5879	2.459	ug/L	97
29) Cyclohexane	4.70	56	3345	1.792	ug/L	97
30) 1,1,1-Trichloroethane	4.64	97	5421	2.143	ug/L	99
31) Carbon tetrachloride	4.86	117	4500	2.060	ug/L	96
33) Benzene	5.13	78	12504	2.307	ug/L	100
34) Trichloroethene	5.95	95	3280	2.227	ug/L	90
35) Methylcyclohexane	6.15	83	3342	1.874	ug/L	84
37) 1,2-Dichloropropane	6.21	63	3138	2.169	ug/L #	84
38) Bromodichloromethane	6.54	83	4906	2.357	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	4564	1.972	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	7695	3.960	ug/L	98
42) Toluene	7.41	91	14263	2.434	ug/L	100
44) trans-1,3-Dichloropropene	7.68	75	5211	2.197	ug/L	96
45) 1,1,2-Trichloroethane	7.86	97	3040	2.126	ug/L	94
46) Tetrachloroethene	8.00	164	2340	1.947	ug/L	96
48) 2-Hexanone	8.16	43	8859	6.030	ug/L	98
49) Dibromochloromethane	8.27	129	3611	2.118	ug/L	95
50) 1,2-Dibromoethane	8.38	107	3368	2.273	ug/L #	97
51) Chlorobenzene	8.90	112	8986	2.293	ug/L	96
52) Ethylbenzene	9.04	91	12726	1.969	ug/L	94
53) m,p-Xylene	9.16	106	4578	1.892	ug/L	81
54) o-Xylene	9.57	106	4940	2.071	ug/L	84
55) Styrene	9.59	104	7763	1.828	ug/L	90
57) 1,1,2,2-Tetrachloroethane	10.26	83	5180	2.395	ug/L #	98
59) Bromoform	9.75	173	2843	2.322	ug/L #	95
60) Isopropylbenzene	9.95	105	10535	1.822	ug/L	96
61) 1,2,3-Trichloropropane	10.30	75	4052	2.364	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	8751	1.817	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	8137	1.727	ug/L	95
64) 1,3-Dichlorobenzene	11.21	146	6493	2.147	ug/L	94
65) 1,4-Dichlorobenzene	11.29	146	7273	2.324	ug/L	96
67) 1,2-Dichlorobenzene	11.67	146	7164	2.315	ug/L #	84
68) 1,2-Dibromo-3-chloropropan	12.45	75	1016	2.032	ug/L	89
69) 1,3,5-Trichlorobenzene	12.67	180	4396	2.025	ug/L	94
70) 1,2,4-trichlorobenzene	13.29	180	3786	1.853	ug/L	93
71) Naphthalene	13.53	128	8156	1.416	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	3812	1.882	ug/L	95

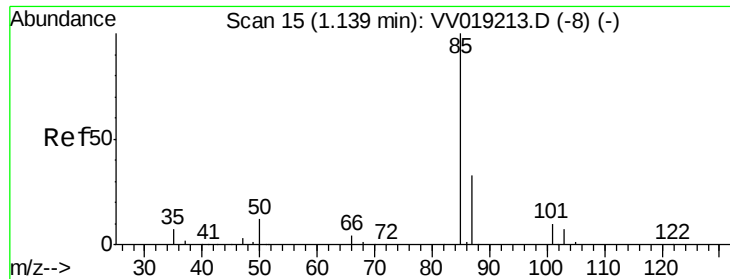
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.093 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

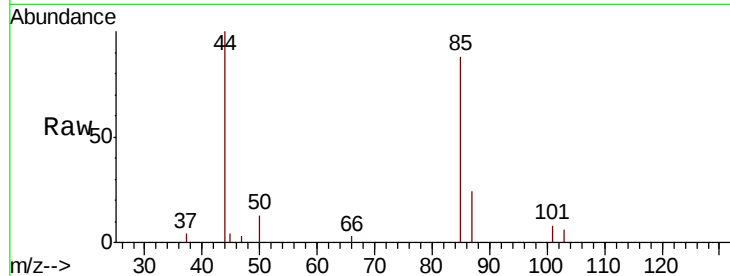
MDL-ME-SOIL-01

Tot Ion: 85 Resp: 2932

Ion Ratio Lower Upper

85 100

87 27.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019213.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV019213.D (-8) (-)

1.14

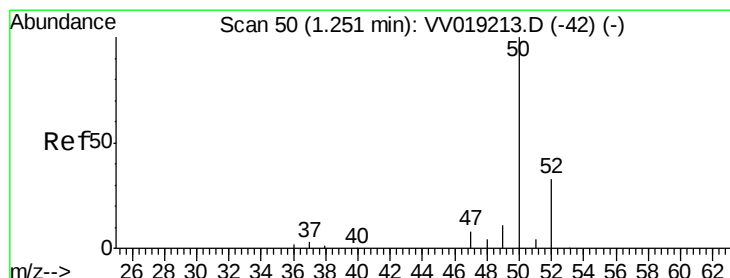
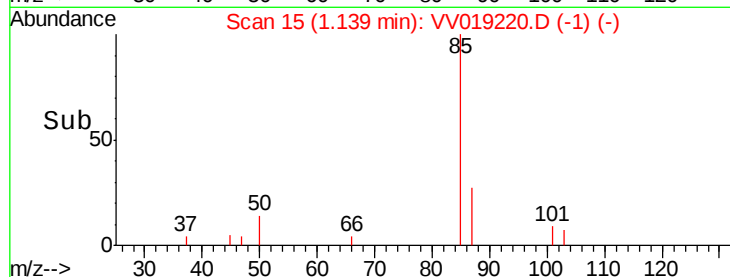
3000

2000

1000

0

Time-->



#3

Chloromethane

Concen: 2.364 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019220.D

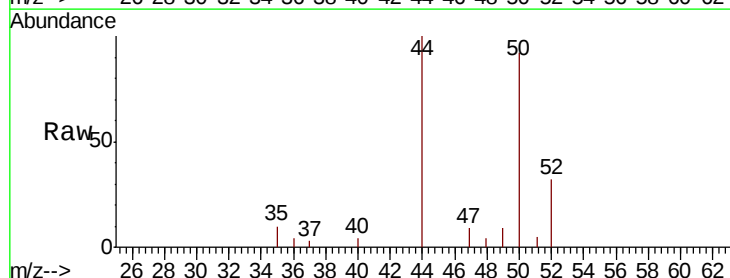
Acq: 03 Nov 2020 00:30

Tgt Ion: 50 Resp: 3448

Ion Ratio Lower Upper

50 100

52 35.2 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV019213.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV019213.D (-42) (-)

1.25

4000

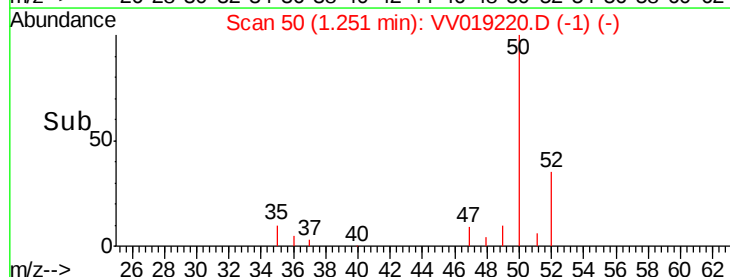
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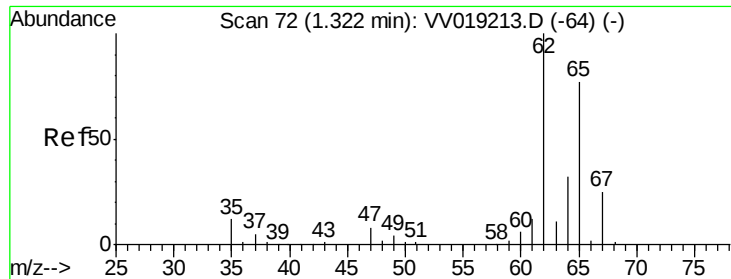
2000

1000

0

Time-->





#5

Vinyl chloride

Concen: 2.562 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampled :

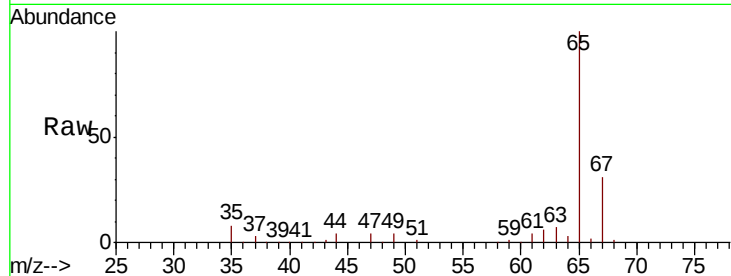
MDL-ME-SOIL-01

Tot Ion: 62 Resp: 3889

Ion Ratio Lower Upper

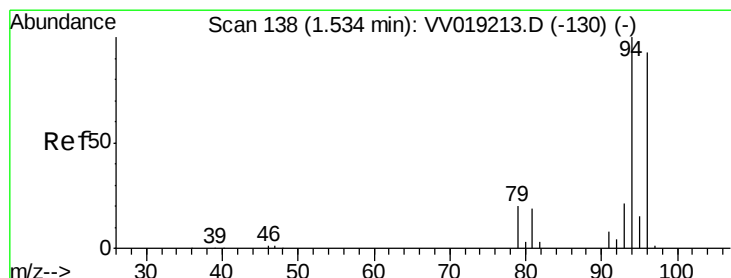
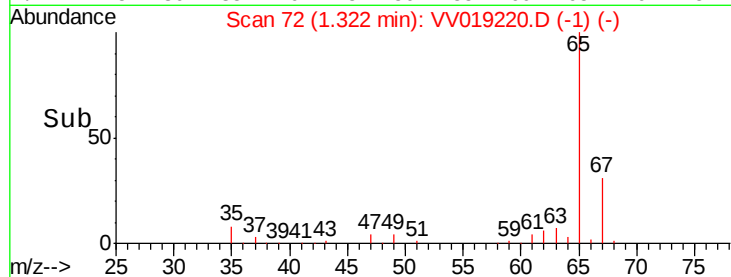
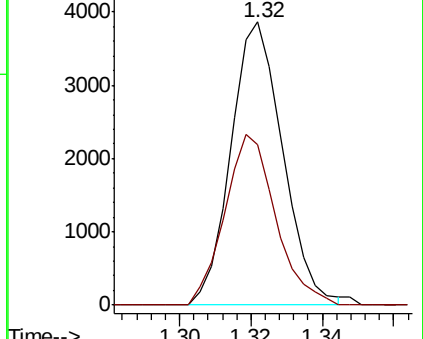
62 100

64 56.8 23.3 43.3#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 2.697 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019220.D

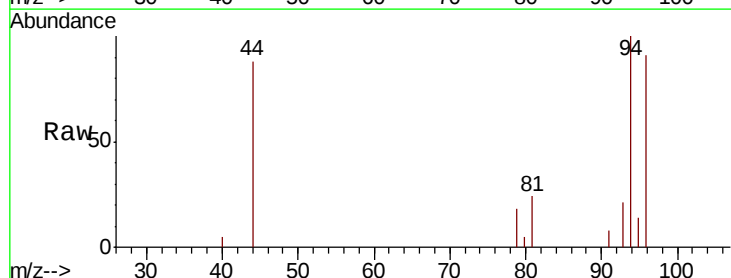
Acq: 03 Nov 2020 00:30

Tgt Ion: 94 Resp: 2752

Ion Ratio Lower Upper

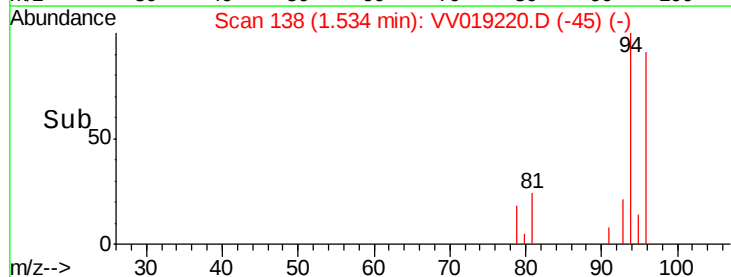
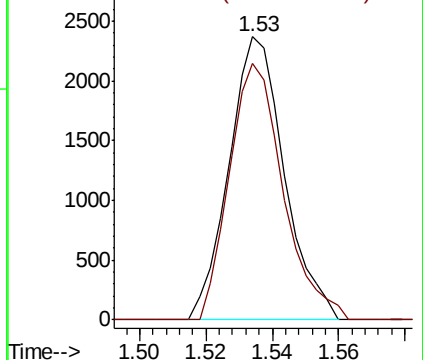
94 100

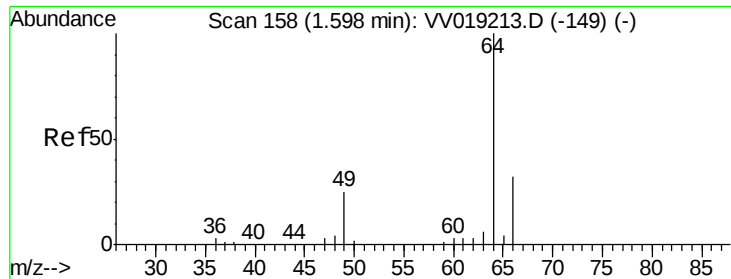
96 90.5 66.4 123.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 2.930 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

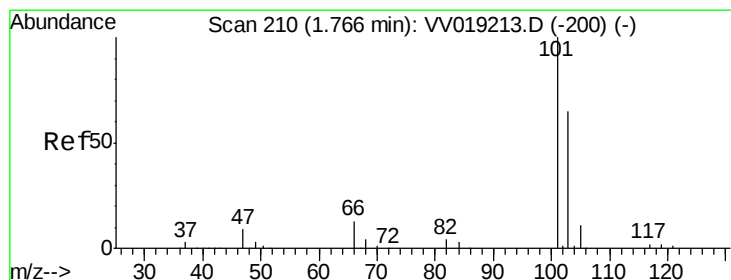
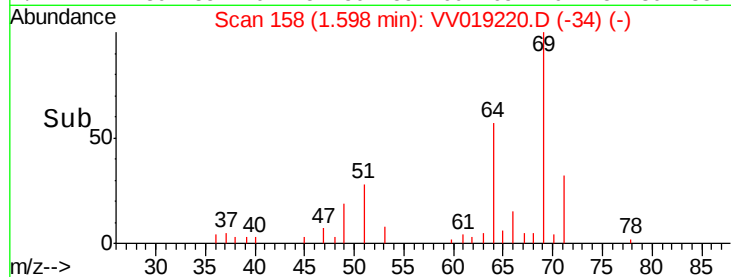
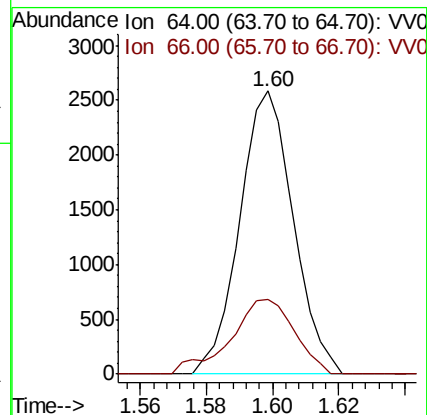
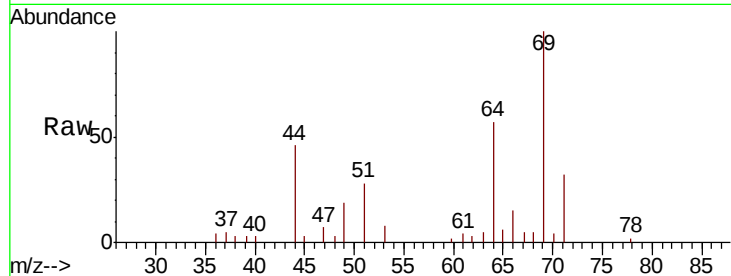
MDL-ME-SOIL-01

Tot Ion: 64 Resp: 2909

Ion Ratio Lower Upper

64 100

66 26.3 22.5 41.9



#9

Trichlorofluoromethane

Concen: 2.164 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV019220.D

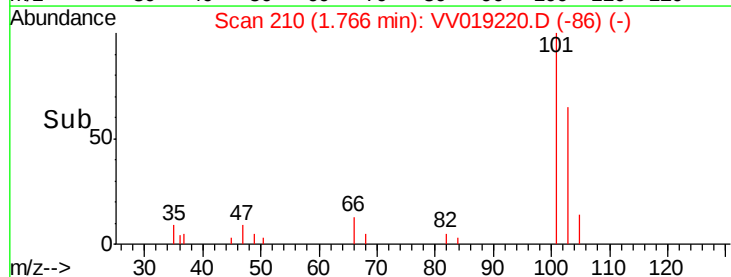
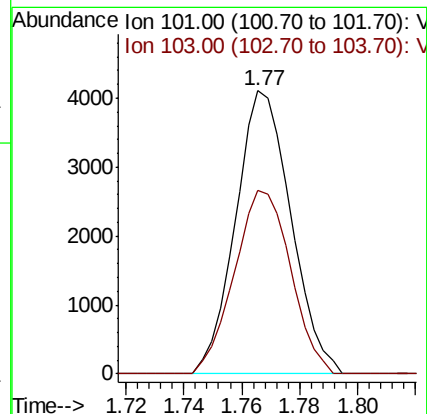
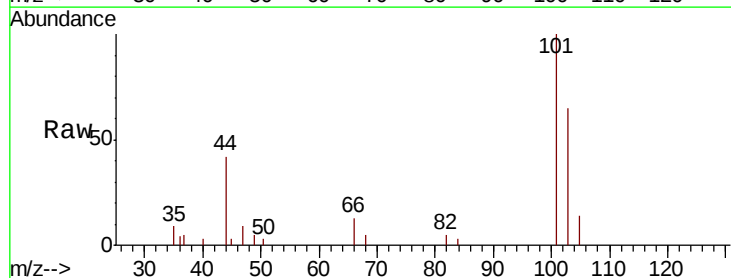
Acq: 03 Nov 2020 00:30

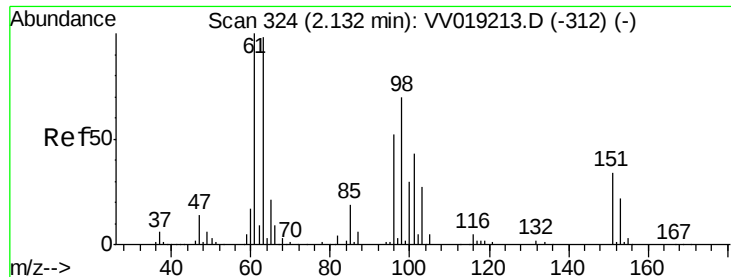
Tgt Ion: 101 Resp: 5439

Ion Ratio Lower Upper

101 100

103 66.0 52.3 78.5





#10

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

Concen: 2.834 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-01

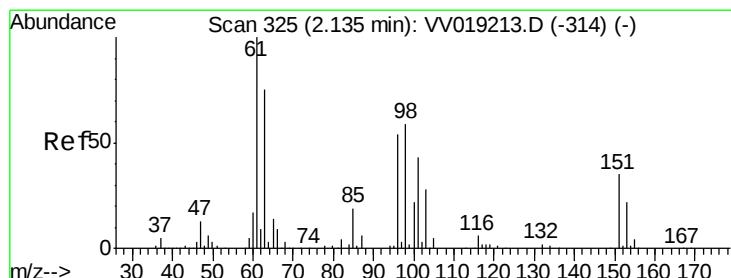
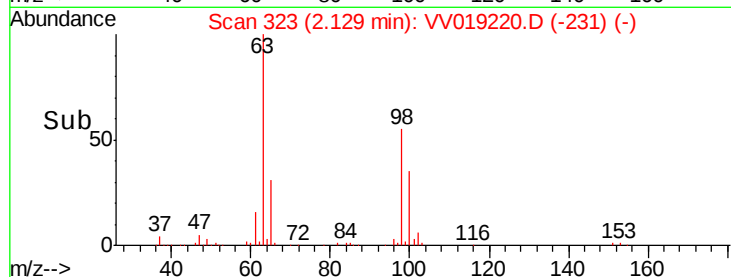
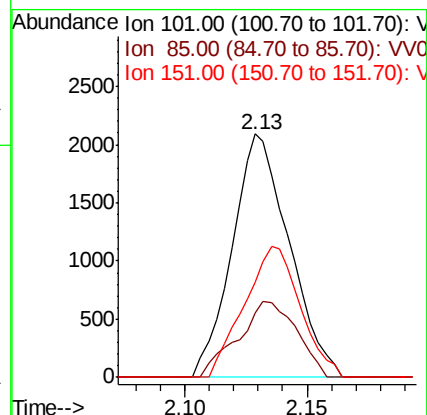
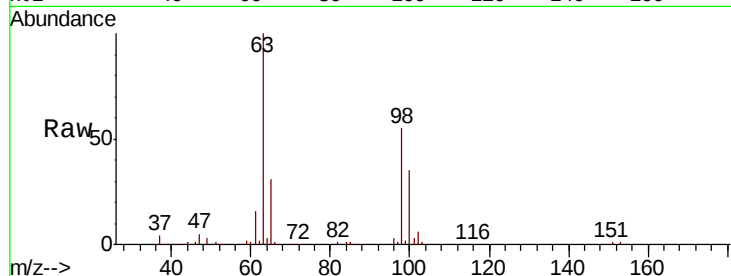
Tot Ion:101 Resp: 3384

Ion Ratio Lower Upper

101 100

85 32.1 35.6 53.4#

151 53.0 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 3.230 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

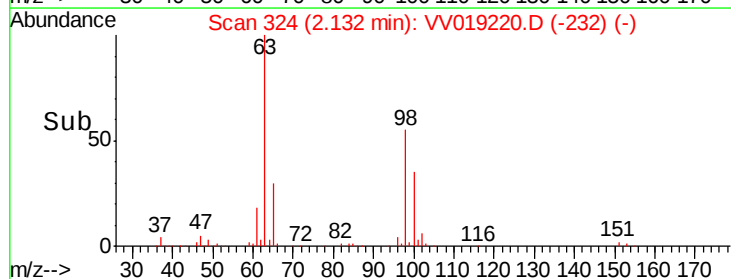
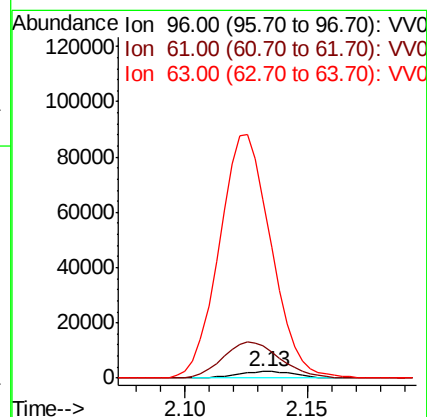
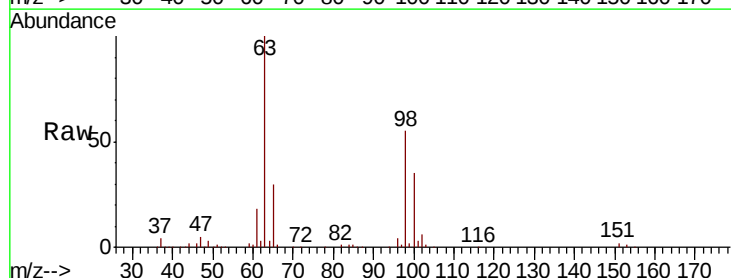
Tgt Ion: 96 Resp: 3987

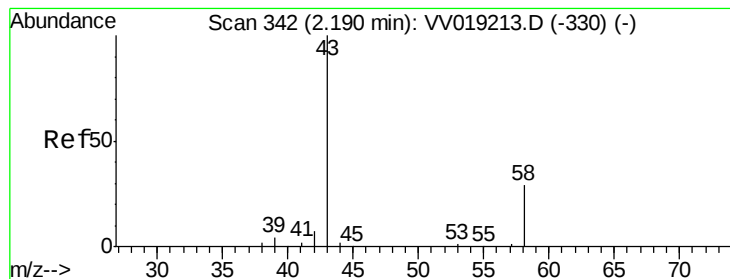
Ion Ratio Lower Upper

96 100

61 478.6 133.6 248.0#

63 2683.5 103.0 191.2#





#13

Acetone

Concen: 5.159 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

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MSVOA_V

ClientSampleId :

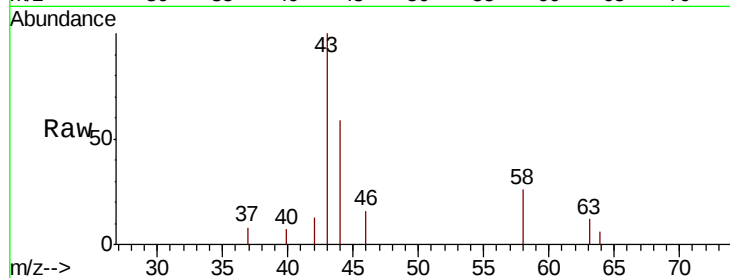
MDL-ME-SOIL-01

Tot Ion: 43 Resp: 3817

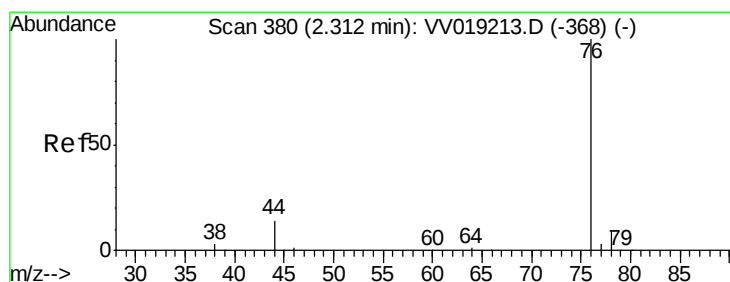
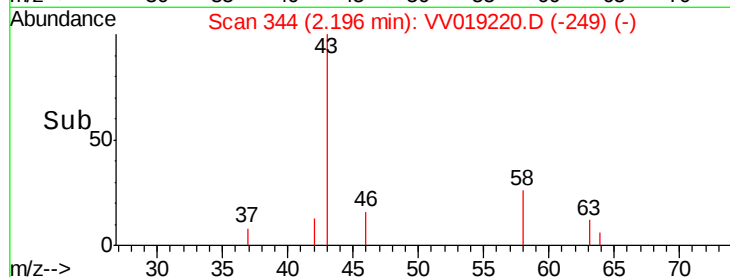
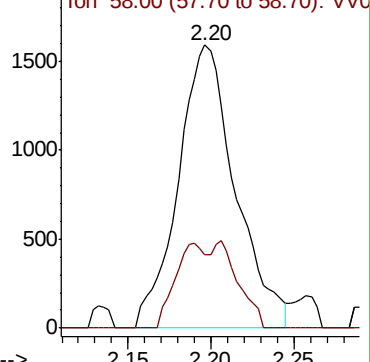
Ion Ratio Lower Upper

43 100

58 15.6 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV019220.D (-249) (-)



#14

Carbon disulfide

Concen: 2.357 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV019220.D

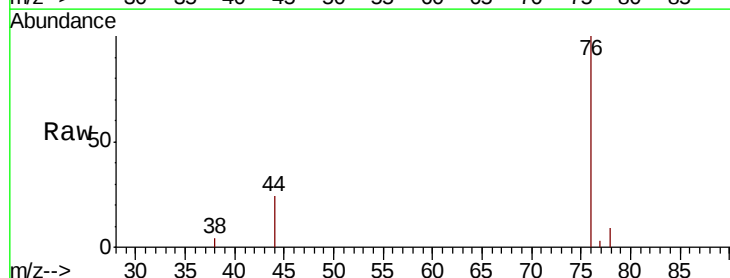
Acq: 03 Nov 2020 00:30

Tgt Ion: 76 Resp: 8353

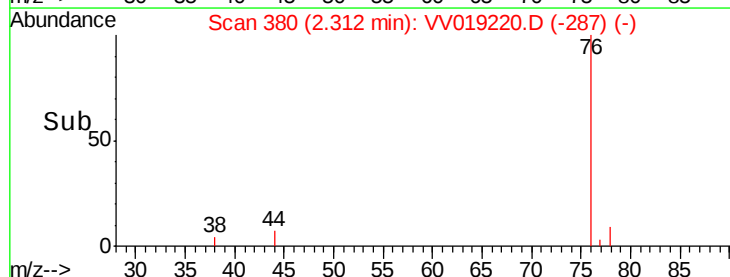
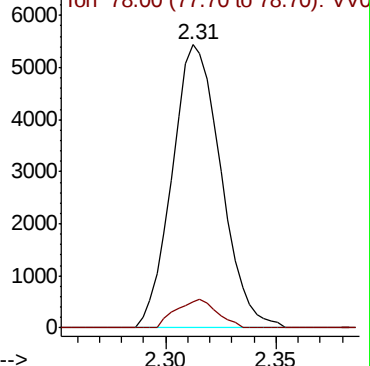
Ion Ratio Lower Upper

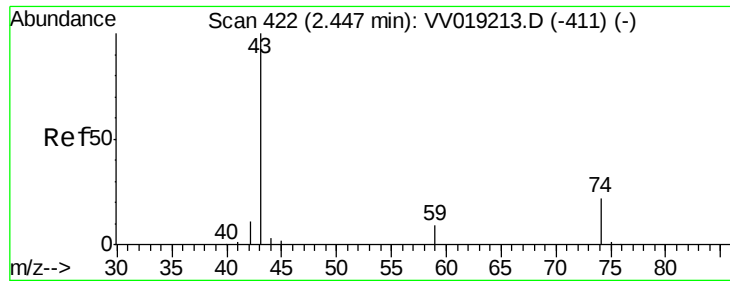
76 100

78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV019220.D (-287) (-)

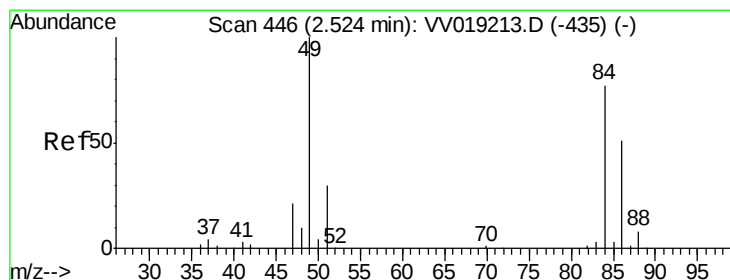
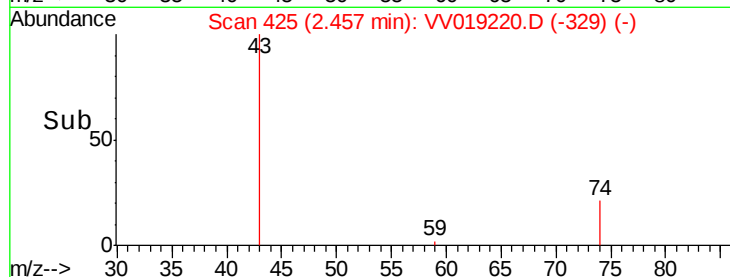
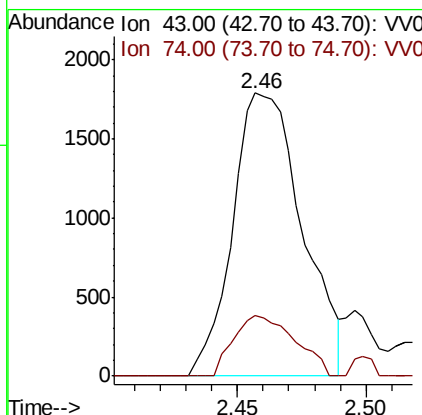
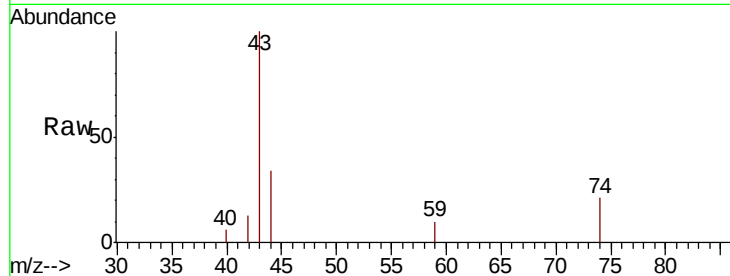




#15
Methvl Acetate
Concen: 2.346 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

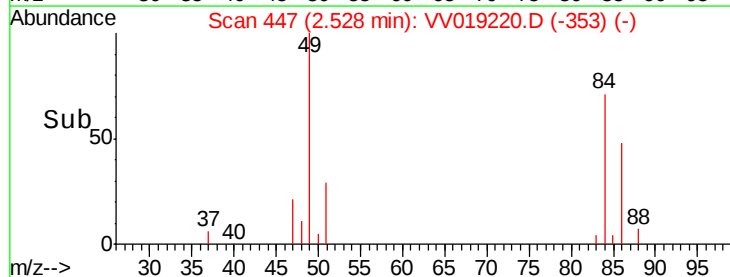
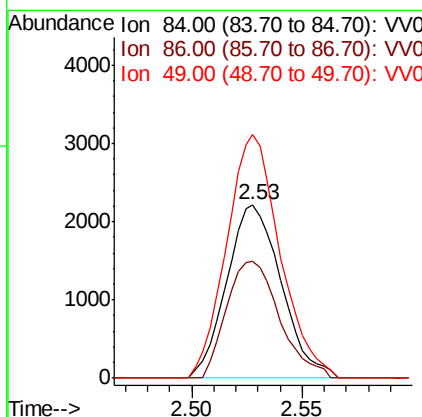
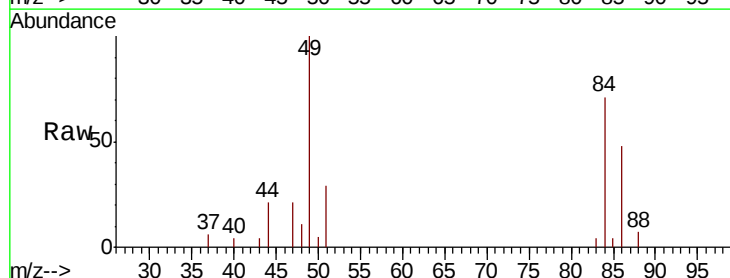
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

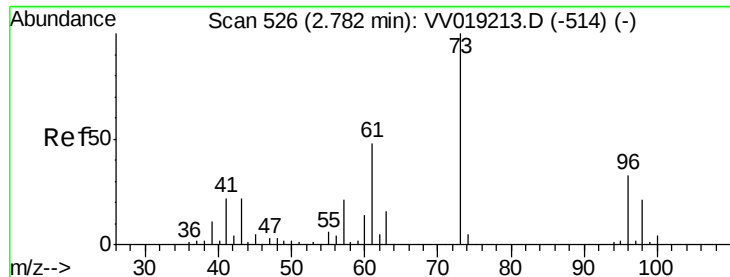
Tot Ion: 43 Resp: 3363
Ion Ratio Lower Upper
43 100
74 18.9 18.8 28.2



#16
Methylene chloride
Concen: 2.588 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 84 Resp: 3797
Ion Ratio Lower Upper
84 100
86 67.4 45.6 84.8
49 140.5 89.3 165.9

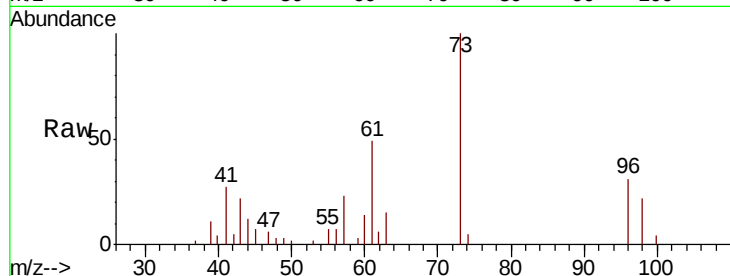




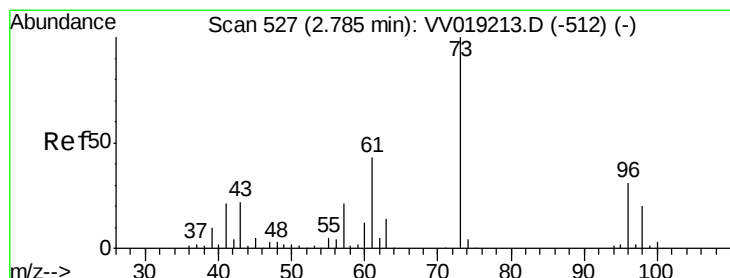
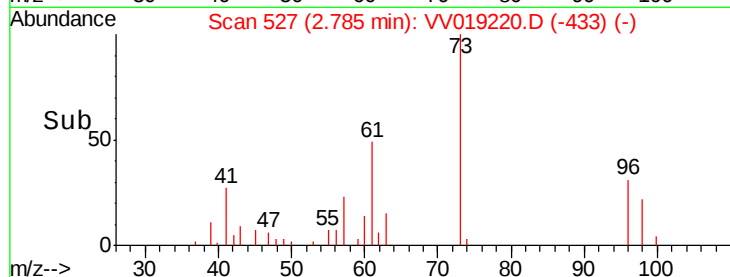
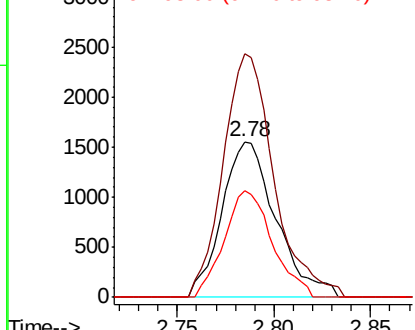
#17
trans-1,2-Dichloroethene
Concen: 2.254 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

Tot Ion: 96 Resp: 3018
Ion Ratio Lower Upper
96 100
61 156.3 100.7 187.1
98 68.8 42.9 79.7

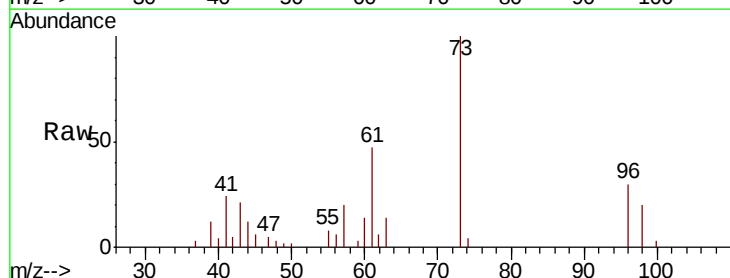


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

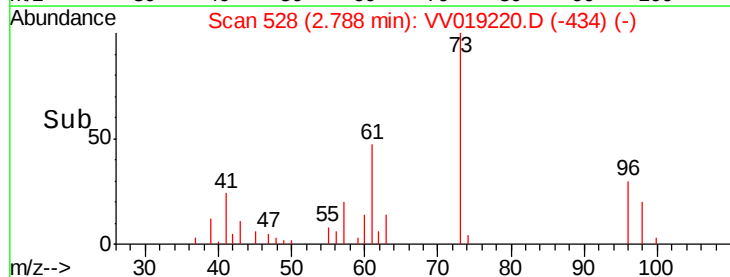
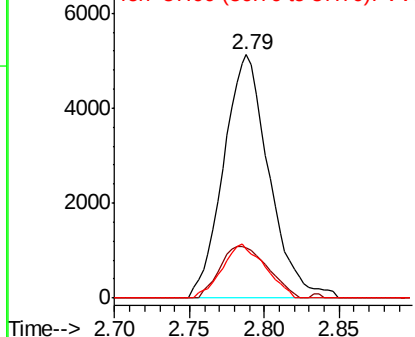


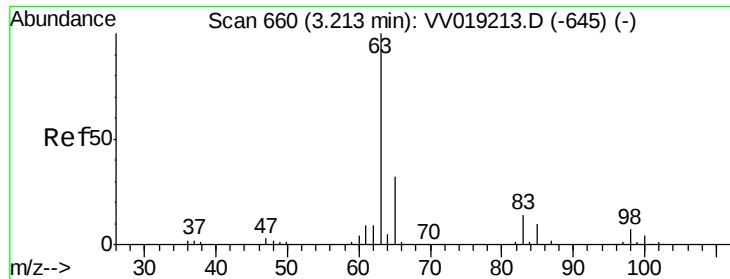
#18
Methyl tert-butyl Ether
Concen: 2.302 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 73 Resp: 10836
Ion Ratio Lower Upper
73 100
43 22.4 17.9 26.9
57 21.0 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

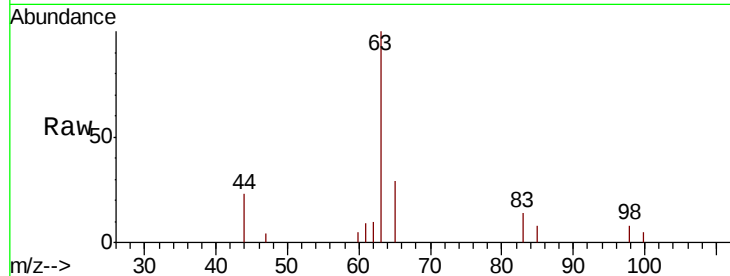




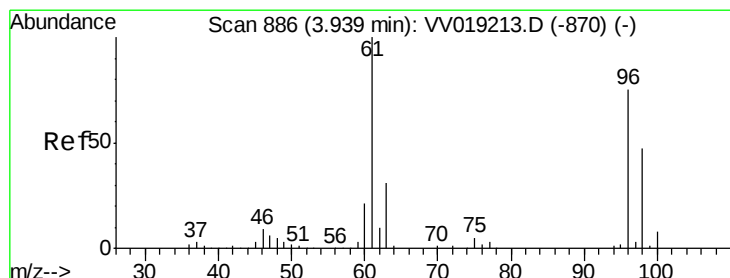
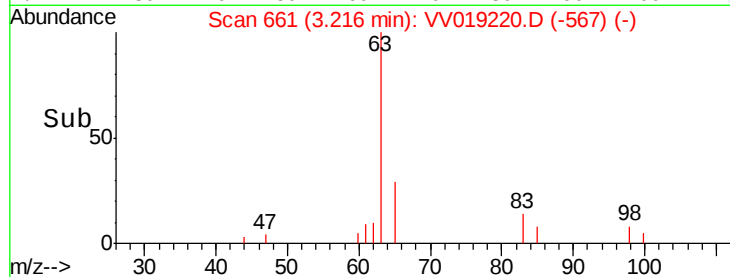
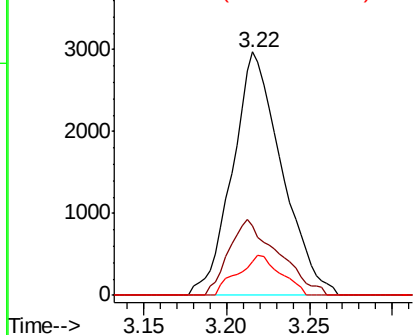
#19
 1,1-Dichloroethane
 Concen: 2.337 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

Tot Ion: 63 Resp: 6132
 Ion Ratio Lower Upper
 63 100
 65 28.7 21.8 40.6
 83 13.9 9.5 17.7

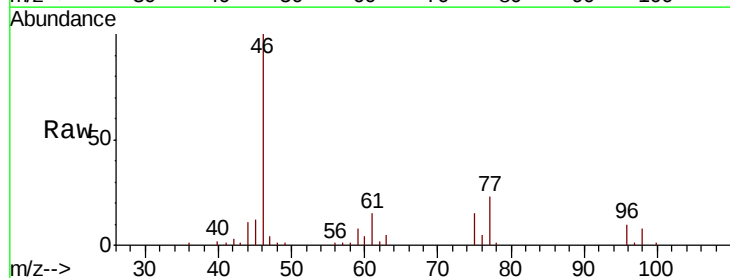


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

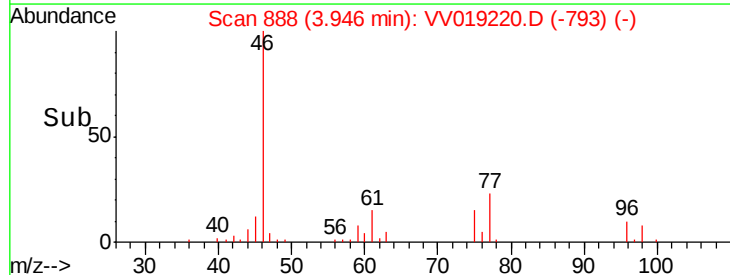
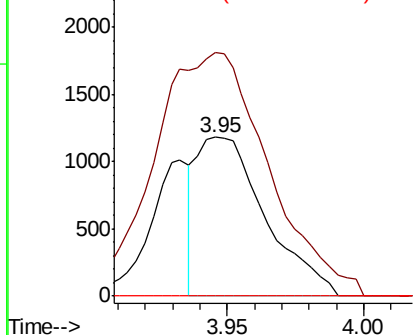


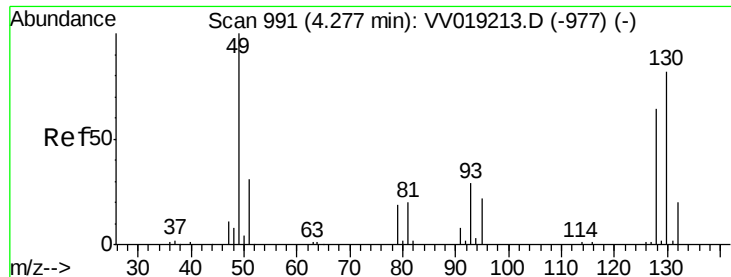
#20
 cis-1,2-Dichloroethene
 Concen: 1.385 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Tgt Ion: 96 Resp: 2050
 Ion Ratio Lower Upper
 96 100
 61 153.2 95.6 177.6
 68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.00 (60.70 to 61.70): VV0
 Ion 68.00 (67.70 to 68.70): VV0





#23

Bromochloromethane

Concen: 2.289 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-01

Tot Ion:128 Resp: 1865

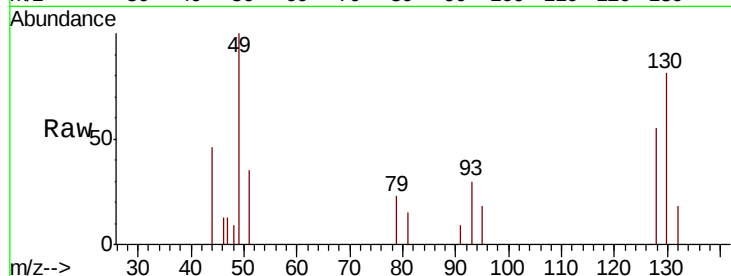
Ion Ratio Lower Upper

128 100

49 182.7 108.8 202.2

130 147.8 88.5 164.3

51 64.2 37.8 56.6#

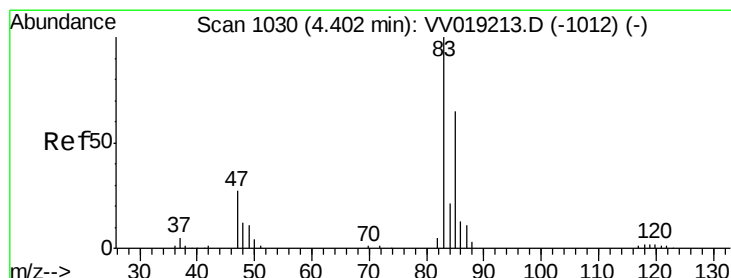
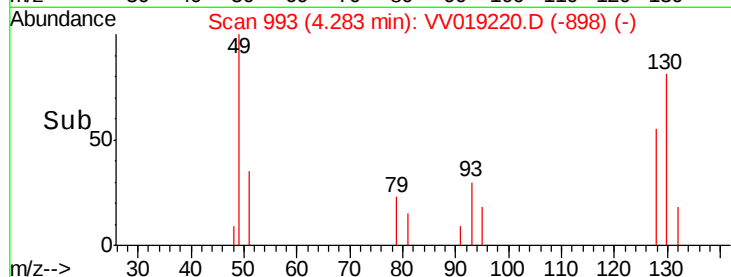
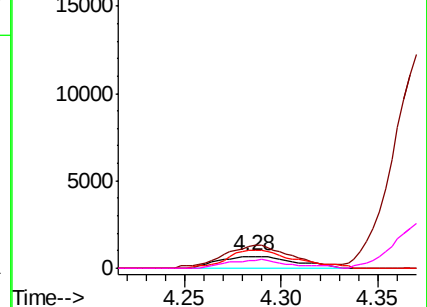


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VV0

Ion 130.00 (129.70 to 130.70): V

Ion 51.00 (50.70 to 51.70): VV0



#25

Chloroform

Concen: 2.554 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV019220.D

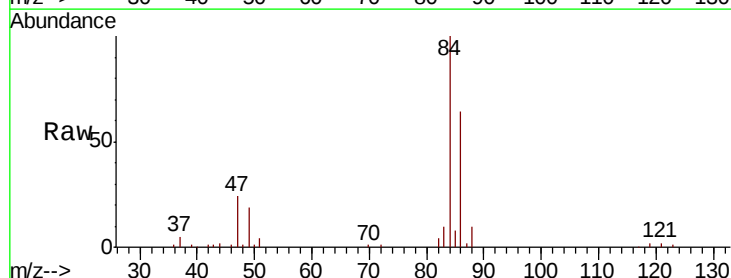
Acq: 03 Nov 2020 00:30

Tgt Ion: 83 Resp: 7185

Ion Ratio Lower Upper

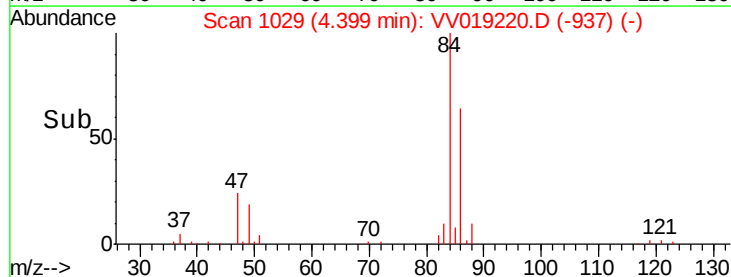
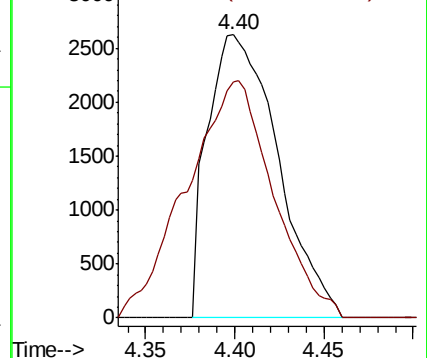
83 100

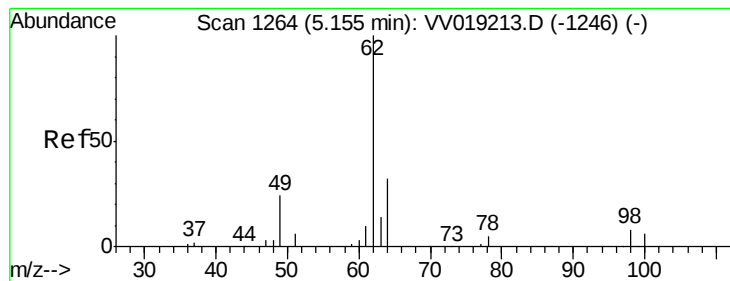
85 83.4 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#27

1,2-Dichloroethane

Concen: 2.459 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

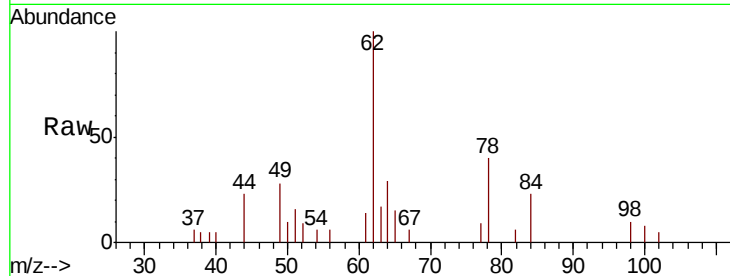
MDL-ME-SOIL-01

Tot Ion: 62 Resp: 5879

Ion Ratio Lower Upper

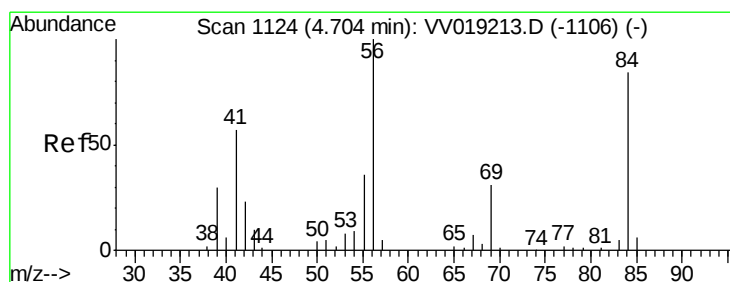
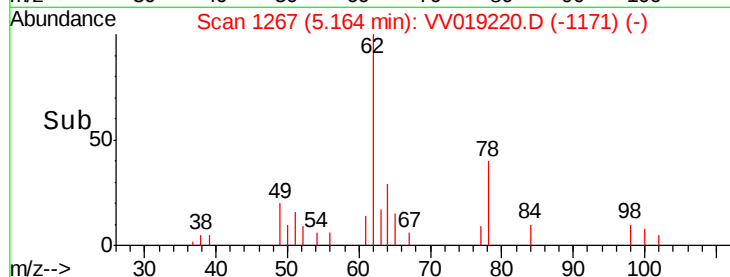
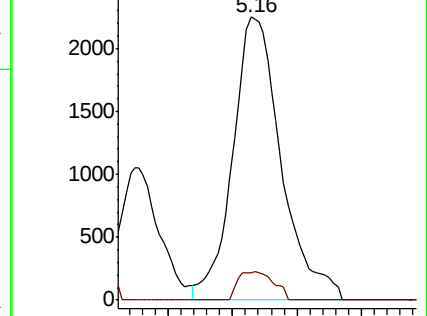
62 100

98 9.7 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#29

Cyclohexane

Concen: 1.792 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

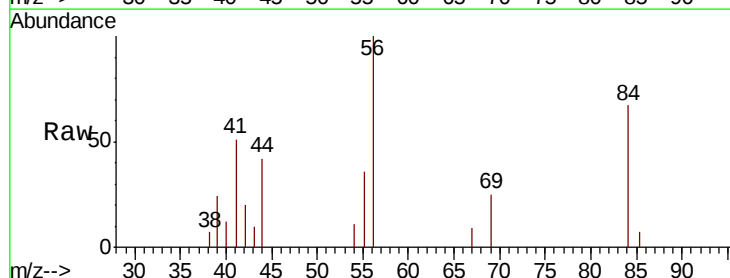
Tgt Ion: 56 Resp: 3345

Ion Ratio Lower Upper

56 100

69 25.7 24.6 36.8

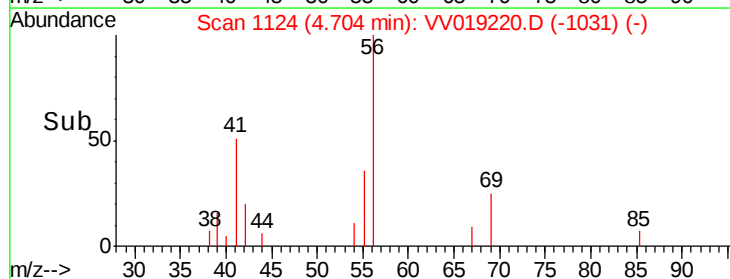
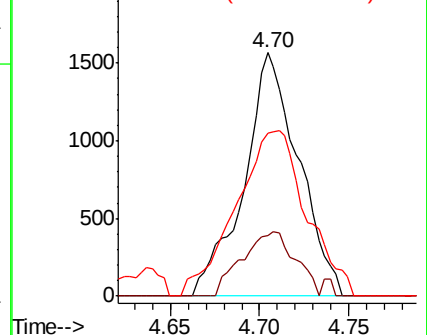
84 87.8 70.5 105.7

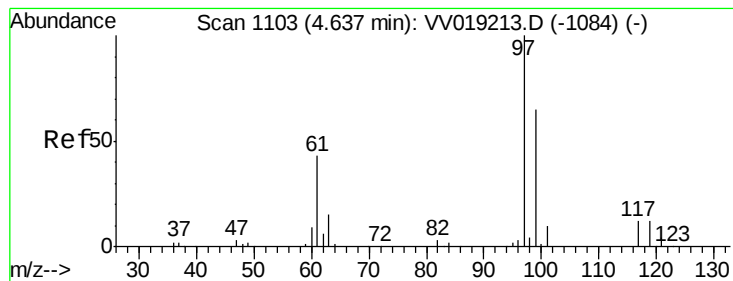


Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0





#30

1,1,1-Trichloroethane

Concen: 2.143 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-01

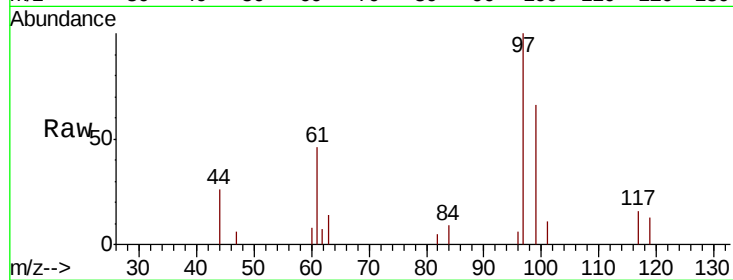
Tot Ion: 97 Resp: 5421

Ion Ratio Lower Upper

97 100

99 64.5 52.0 78.0

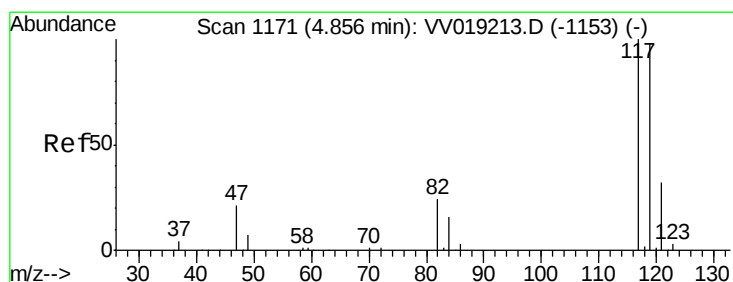
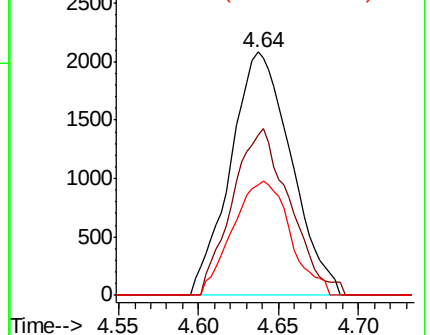
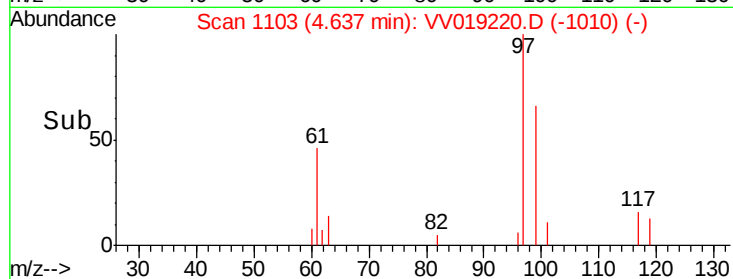
61 44.5 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VV019220.D (-1010) (-)

Ion 99.00 (98.70 to 99.70): VV019220.D (-1010) (-)

Ion 61.05 (60.75 to 61.75): VV019220.D (-1010) (-)



#31

Carbon tetrachloride

Concen: 2.060 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019220.D

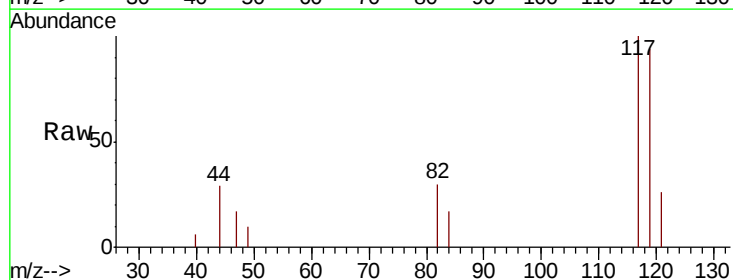
Acq: 03 Nov 2020 00:30

Tgt Ion: 117 Resp: 4500

Ion Ratio Lower Upper

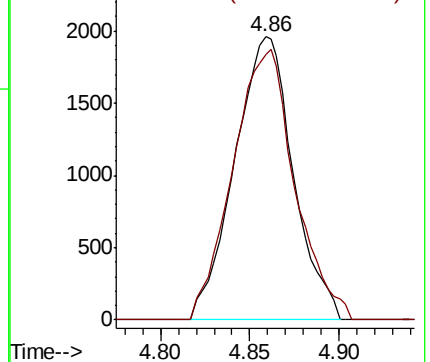
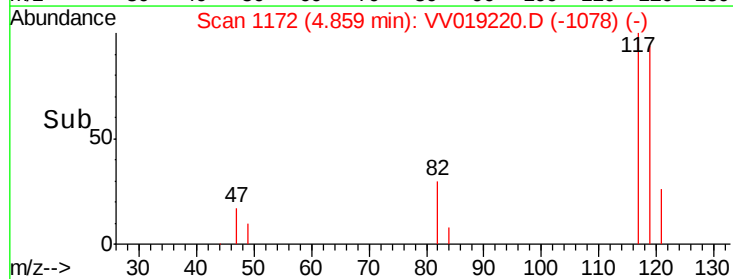
117 100

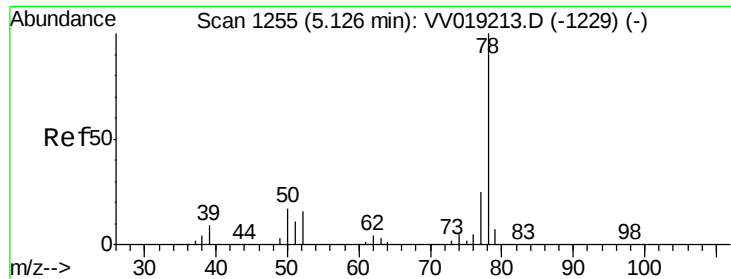
119 100.8 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): VV019220.D (-1078) (-)

Ion 119.00 (118.70 to 119.70): VV019220.D (-1078) (-)





#33

Benzene

Concen: 2.307 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

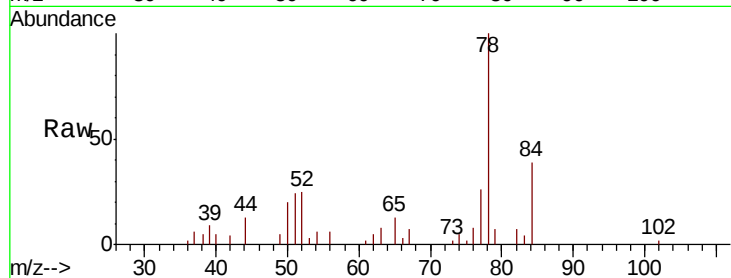
Instrument :

MSVOA_V

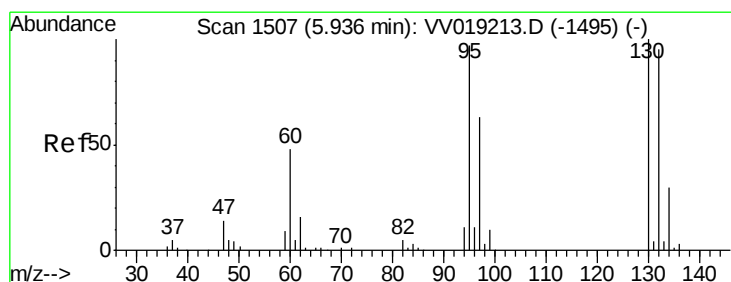
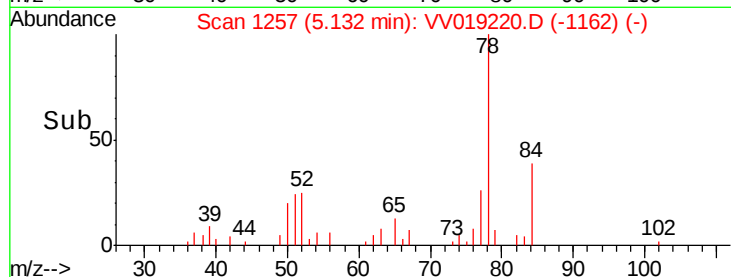
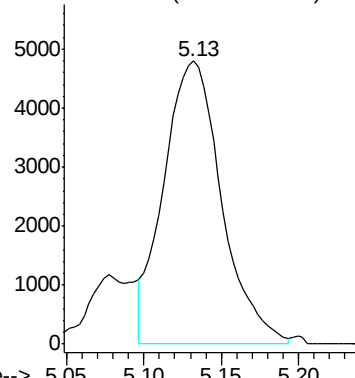
ClientSampleId :

MDL-ME-SOIL-01

Tgt Ion: 78 Resp: 12504



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.227 ug/L

RT: 5.95 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Tgt Ion: 95 Resp: 3280

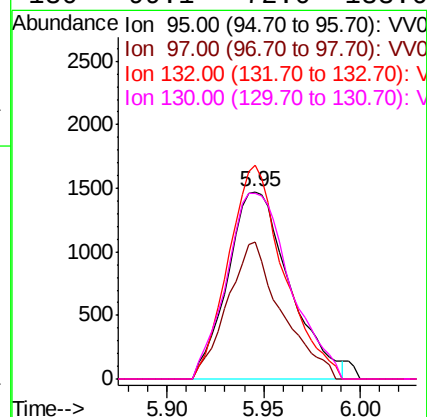
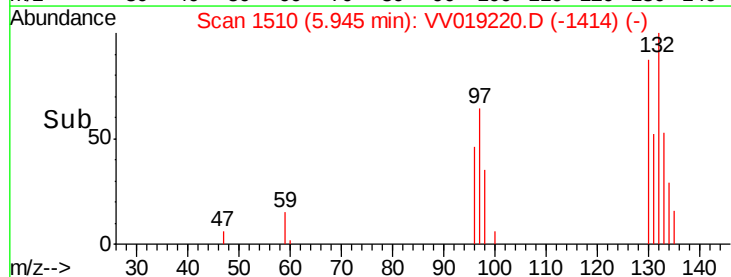
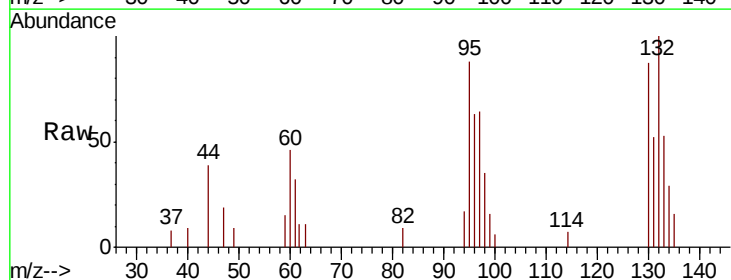
Ion	Ratio	Lower	Upper
95	100		
97	73.1	45.4	84.4
132	114.2	68.5	127.3
130	99.1	72.0	133.6

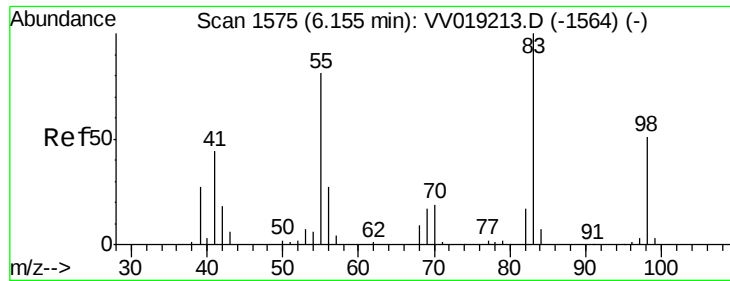
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

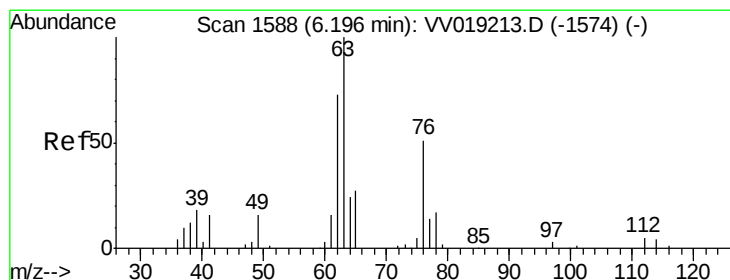
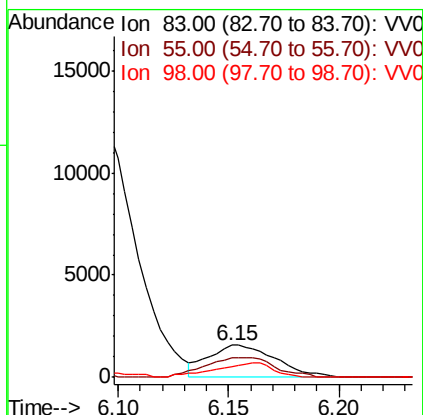
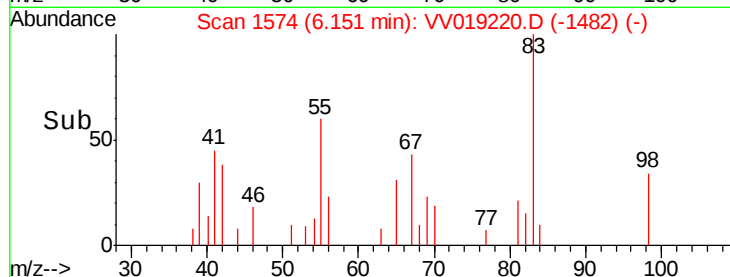
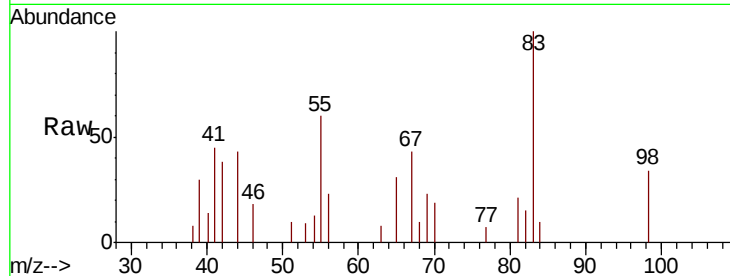




#35
Methvlcvclohexane
Concen: 1.874 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

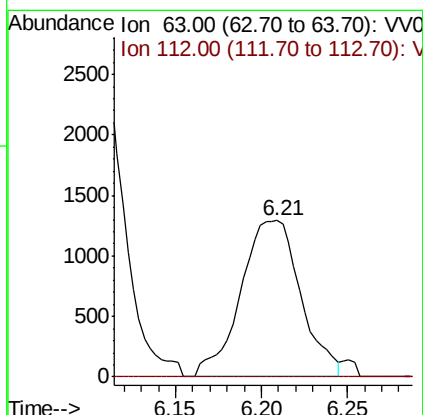
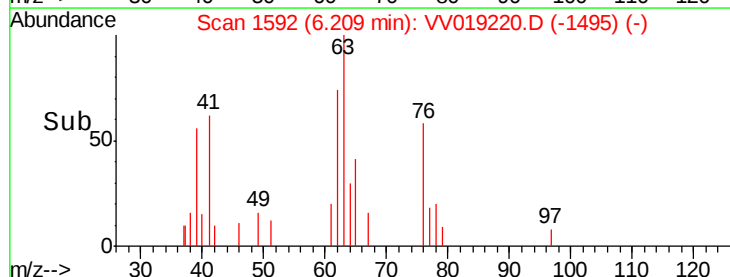
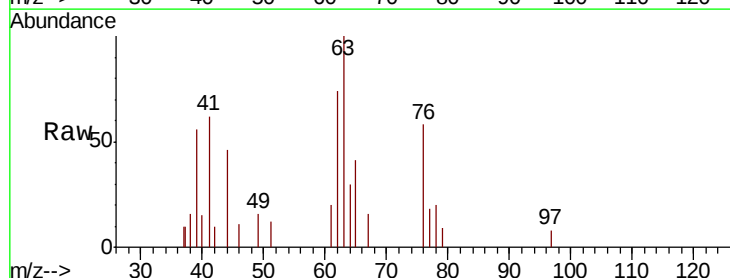
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

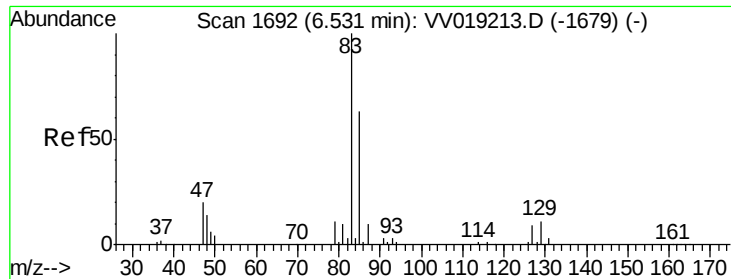
Tot Ion: 83 Resp: 3342
Ion Ratio Lower Upper
83 100
55 63.6 62.8 94.2
98 39.2 38.6 58.0



#37
1,2-Dichloropropane
Concen: 2.169 ug/L
RT: 6.21 min Scan# 1592
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 63 Resp: 3138
Ion Ratio Lower Upper
63 100
112 0.0 4.2 6.2#

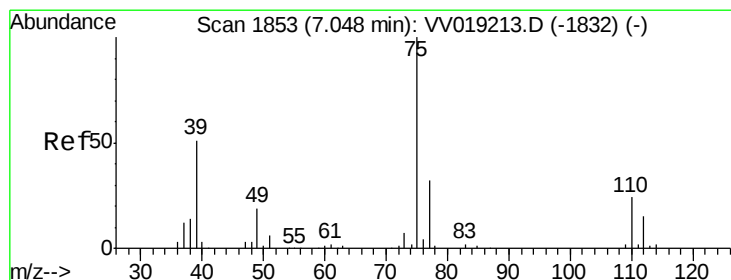
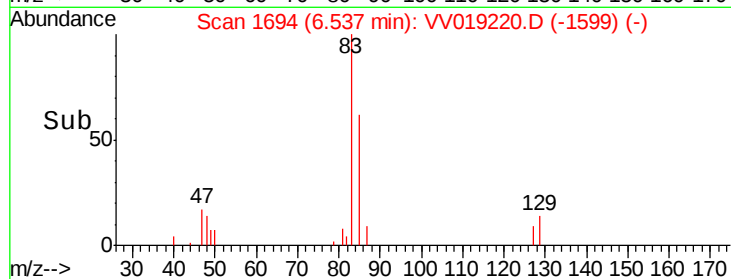
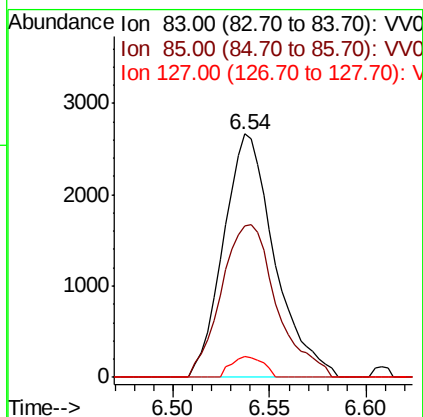
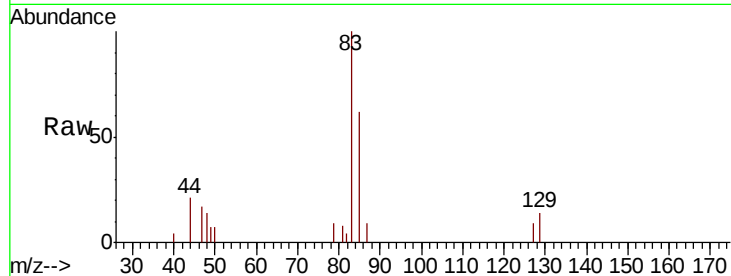




#38
Bromodichloromethane
Concen: 2.357 ug/L
RT: 6.54 min Scan# 1694
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

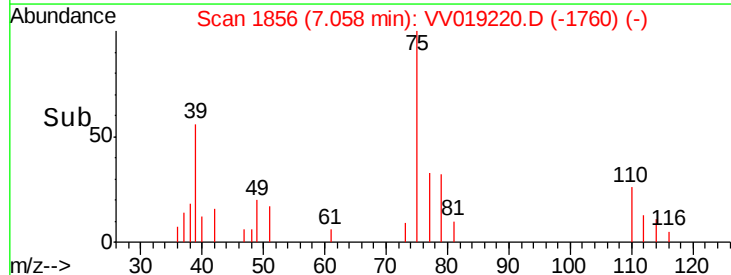
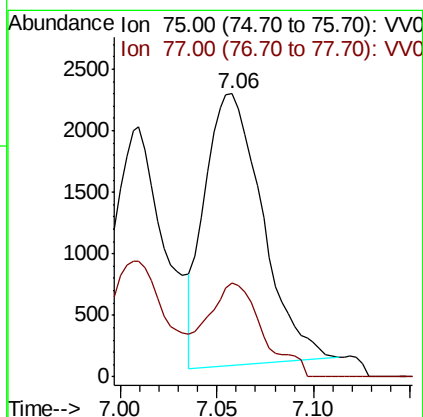
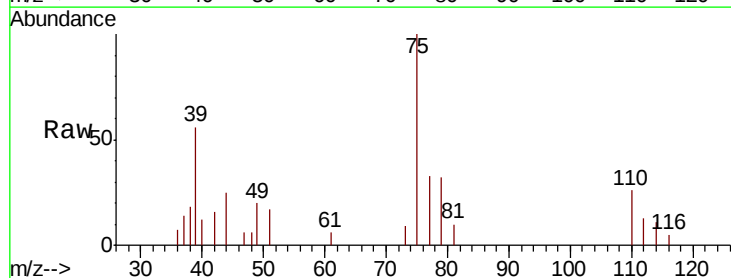
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

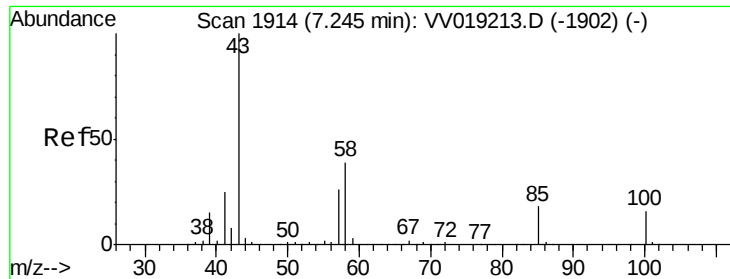
Tot Ion: 83 Resp: 4906
Ion Ratio Lower Upper
83 100
85 62.2 44.0 81.8
127 8.7 7.3 10.9



#39
cis-1,3-Dichloropropene
Concen: 1.972 ug/L
RT: 7.06 min Scan# 1856
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 75 Resp: 4564
Ion Ratio Lower Upper
75 100
77 33.0 22.2 41.2

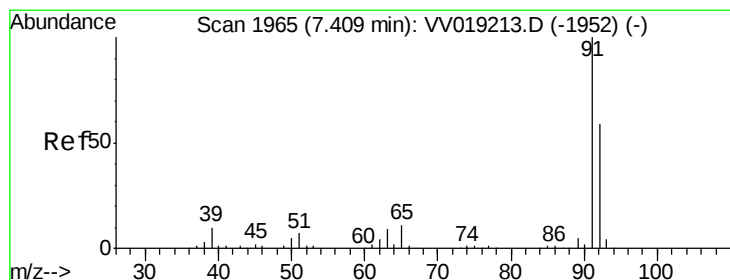
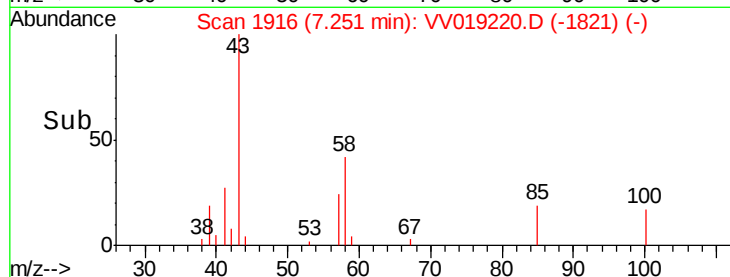
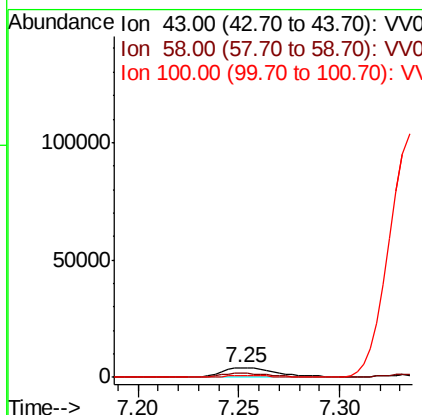
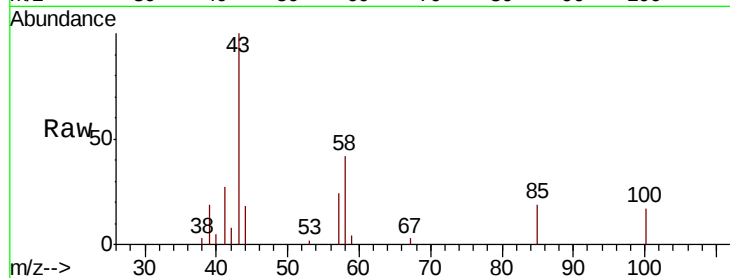




#40
4-Methyl-2-pentanone
Concen: 3.960 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

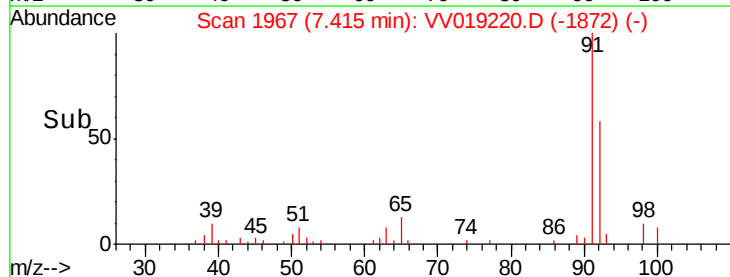
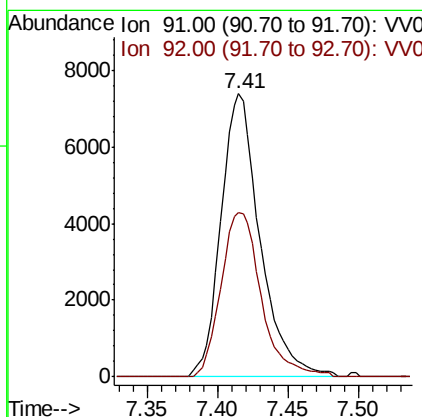
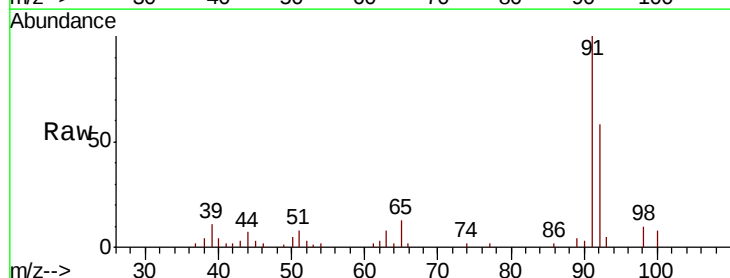
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

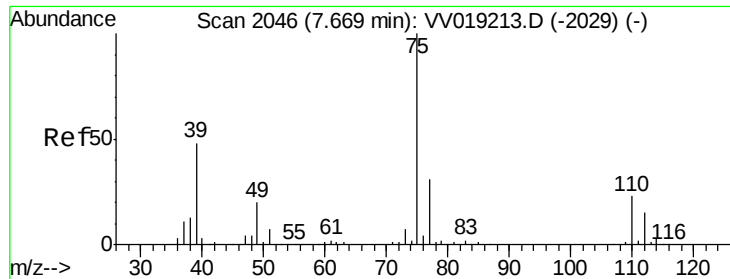
Tot Ion: 43 Resp: 7695
Ion Ratio Lower Upper
43 100
58 39.7 30.5 45.7
100 16.7 12.7 19.1



#42
Toluene
Concen: 2.434 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 91 Resp: 14263
Ion Ratio Lower Upper
91 100
92 58.2 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 2.197 ug/L

RT: 7.68 min Scan# 2049

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

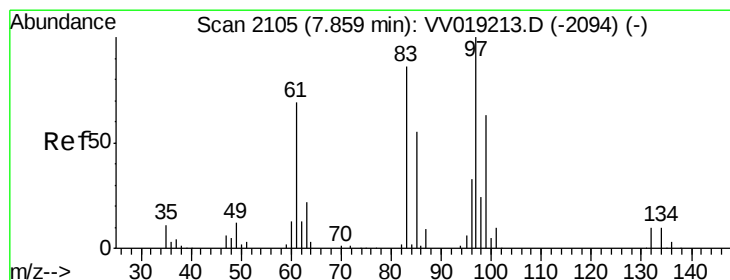
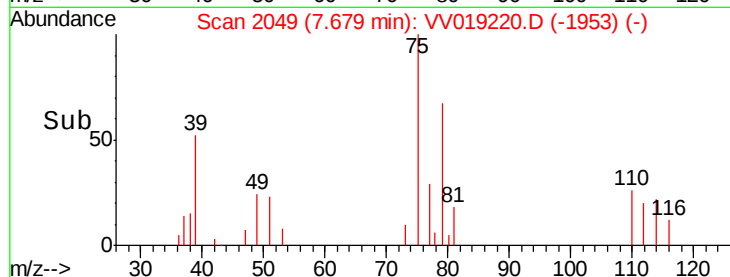
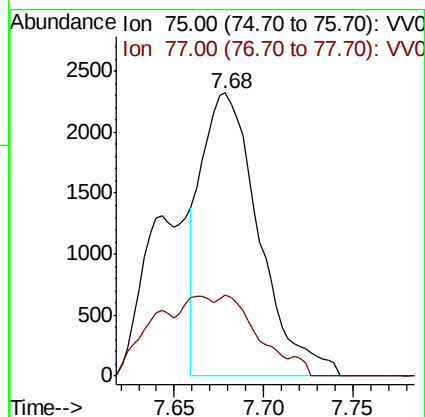
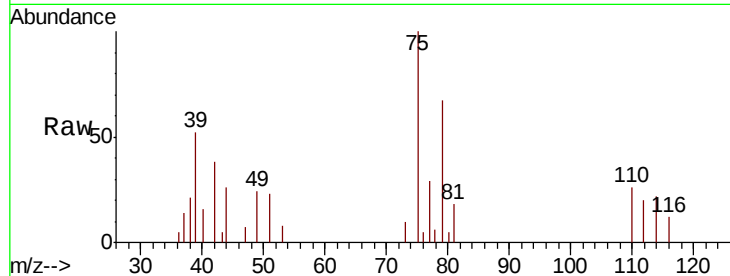
MDL-ME-SOIL-01

Tot Ion: 75 Resp: 5211

Ion Ratio Lower Upper

75 100

77 28.8 21.6 40.2



#45

1,1,2-Trichloroethane

Concen: 2.126 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Tgt Ion: 97 Resp: 3040

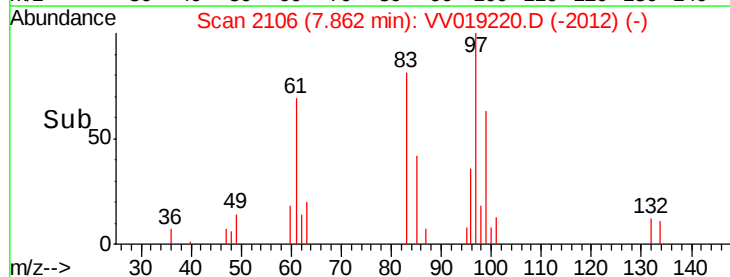
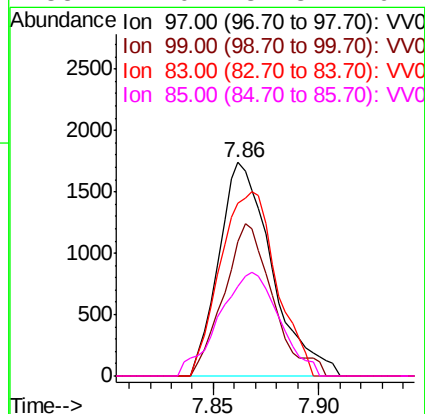
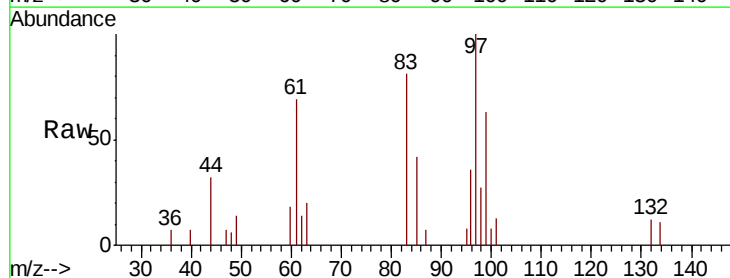
Ion Ratio Lower Upper

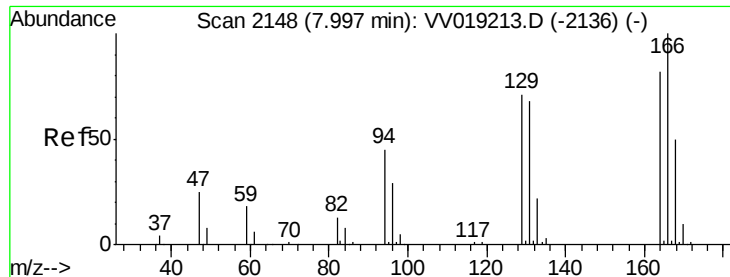
97 100

99 63.1 45.1 83.9

83 81.1 57.6 107.0

85 42.0 37.8 70.2

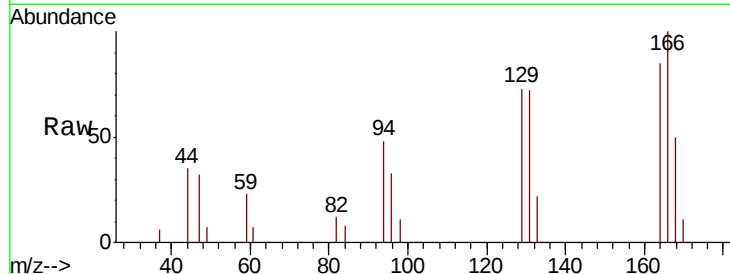




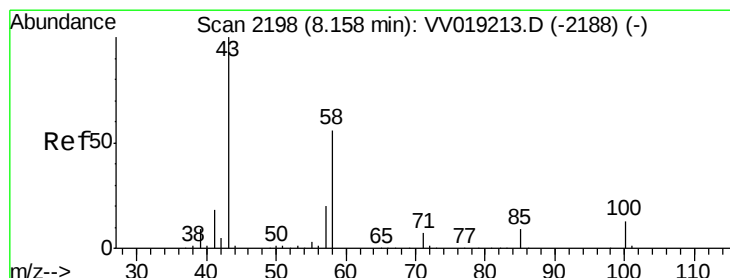
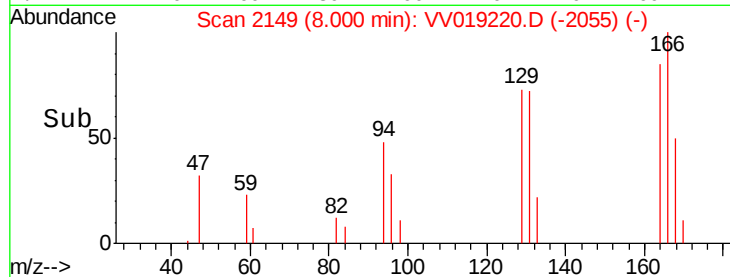
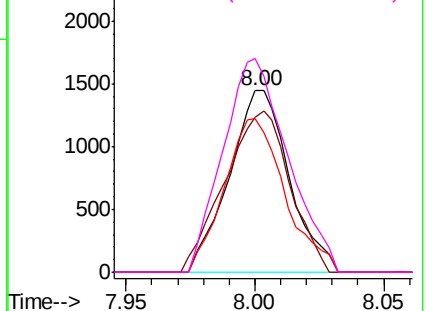
#46
Tetrachloroethene
Concen: 1.947 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

Tot Ion:164 Resp: 2340
Ion Ratio Lower Upper
164 100
129 85.5 62.6 116.3
131 84.6 59.0 109.6
166 117.6 88.0 163.4

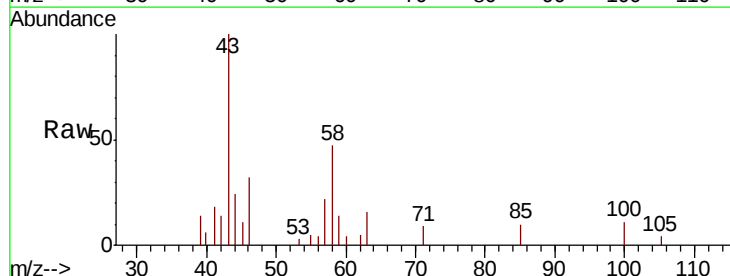


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

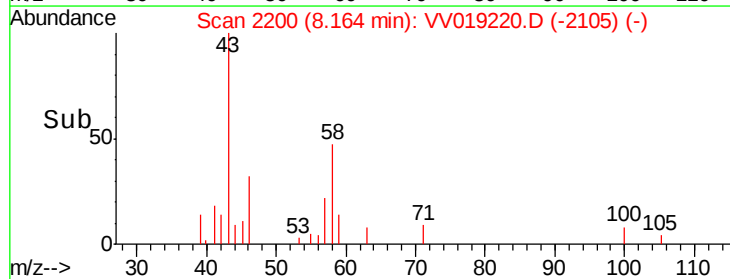
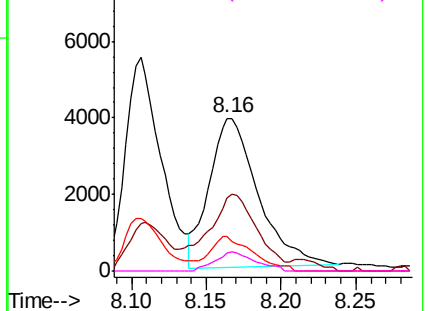


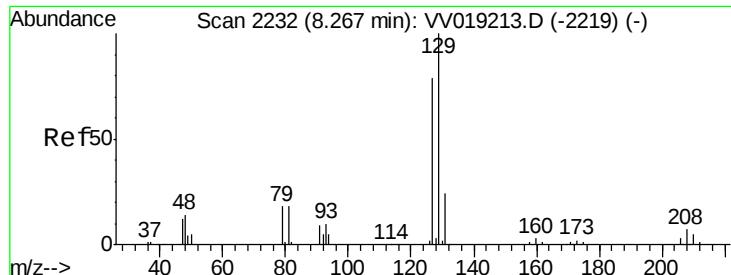
#48
2-Hexanone
Concen: 6.030 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 43 Resp: 8859
Ion Ratio Lower Upper
43 100
58 51.9 42.6 63.8
57 19.8 15.8 23.8
100 10.5 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 2.118 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

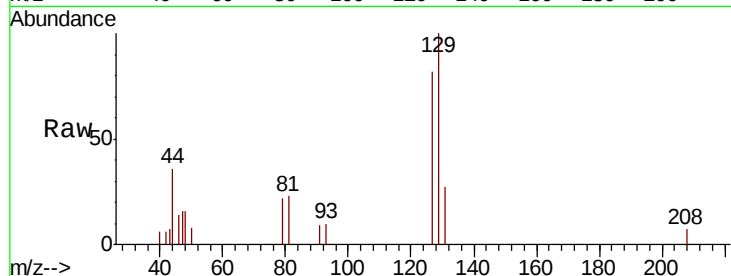
MDL-ME-SOIL-01

Tot Ion:129 Resp: 3611

Ion Ratio Lower Upper

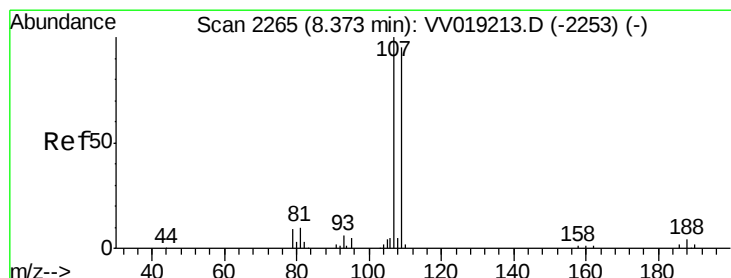
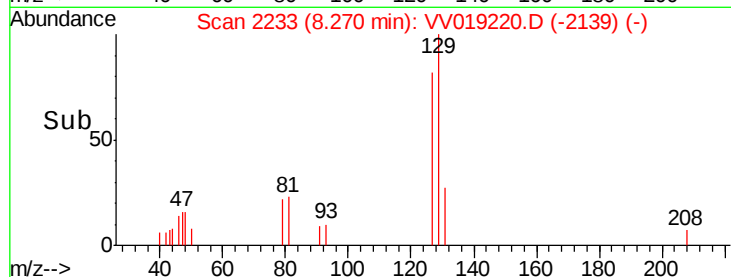
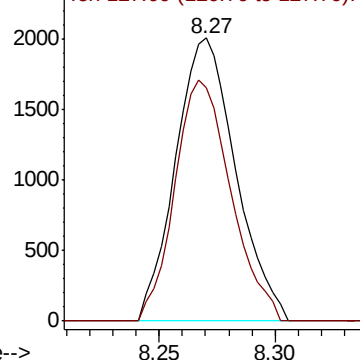
129 100

127 82.3 54.4 101.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 2.273 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

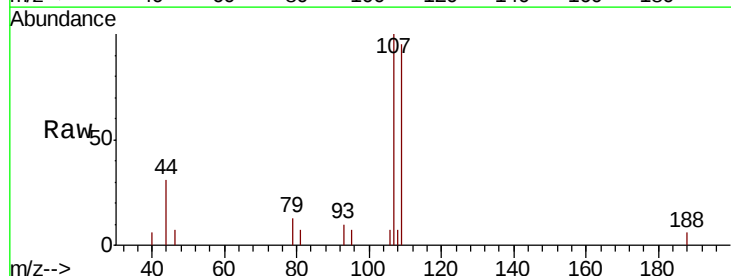
Tgt Ion:107 Resp: 3368

Ion Ratio Lower Upper

107 100

109 95.4 64.8 120.4

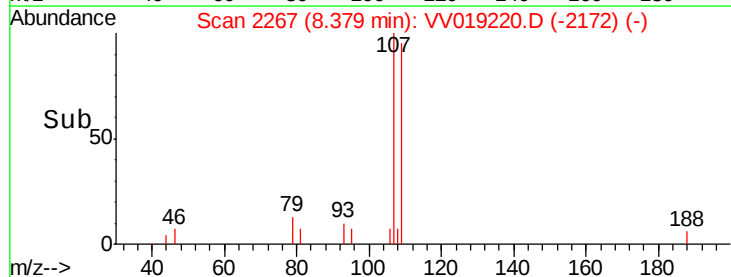
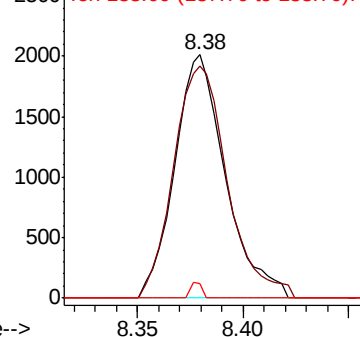
188 6.1 3.8 5.8#

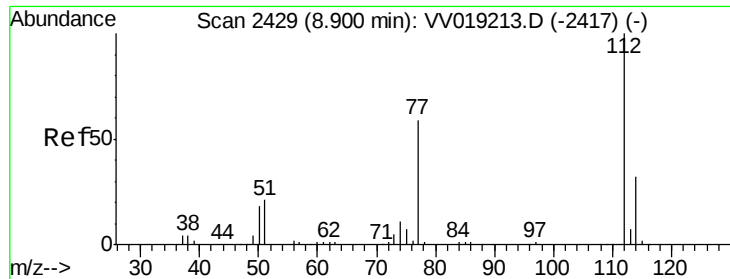


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

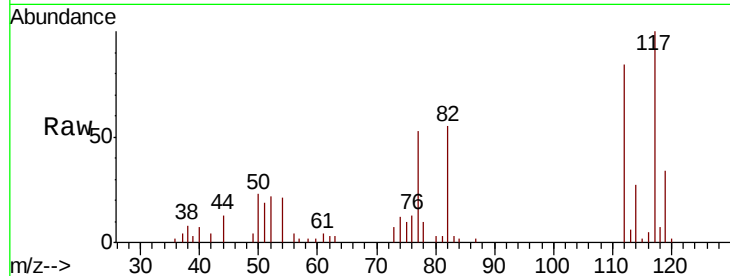




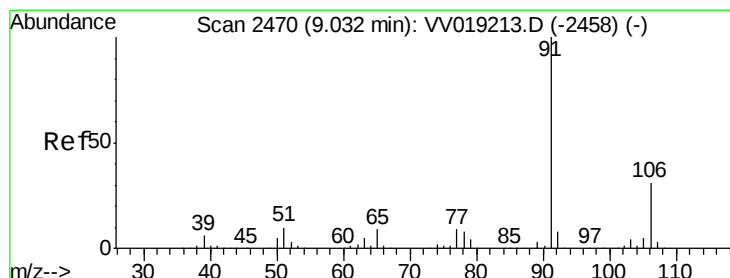
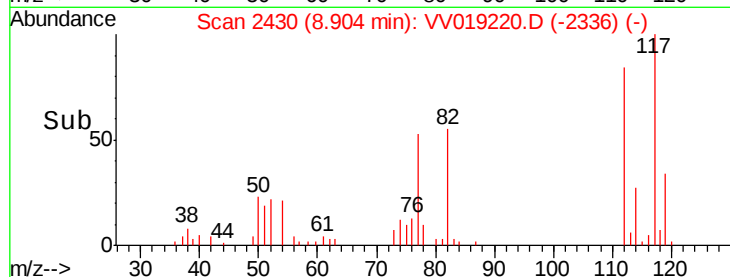
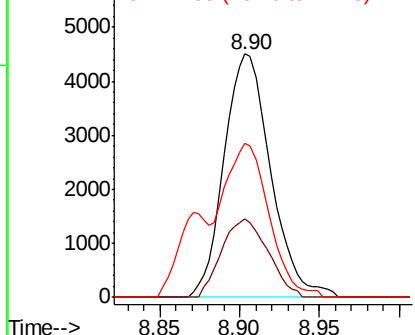
#51
Chlorobenzene
Concen: 2.293 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

Tot Ion:112 Resp: 8986
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.1
77 63.1 47.3 70.9

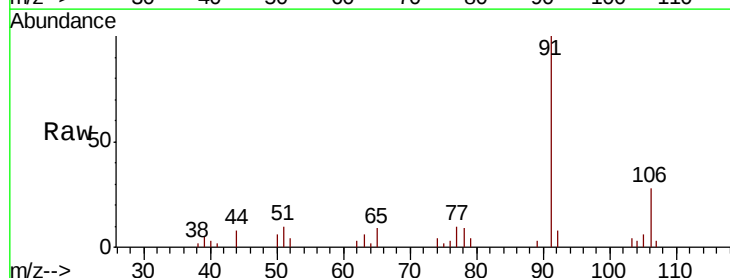


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

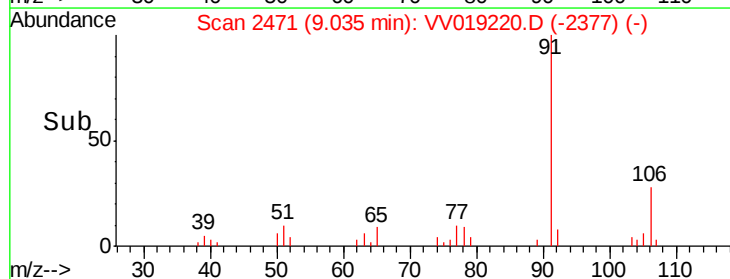
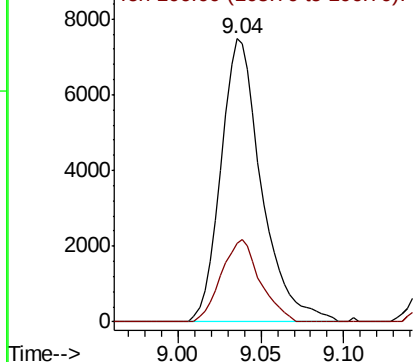


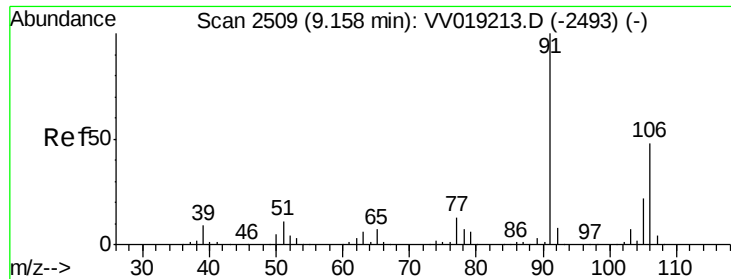
#52
Ethylbenzene
Concen: 1.969 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion: 91 Resp: 12726
Ion Ratio Lower Upper
91 100
106 27.8 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 1.892 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

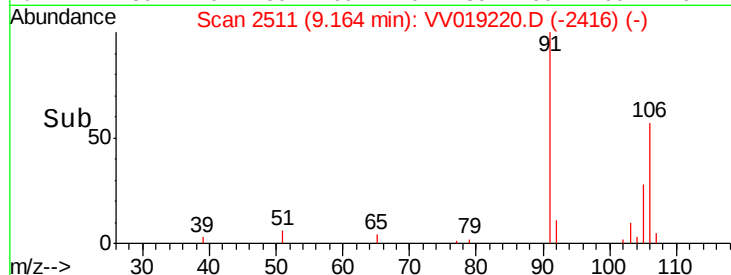
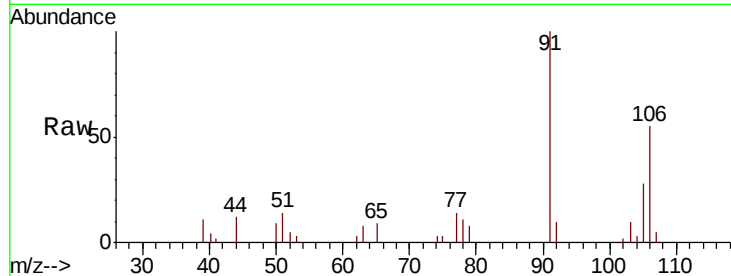
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

Tot Ion:106 Resp: 4578

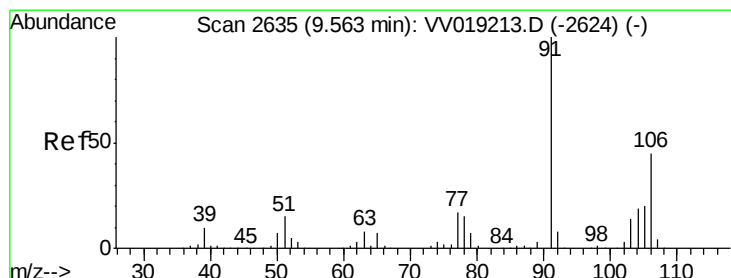
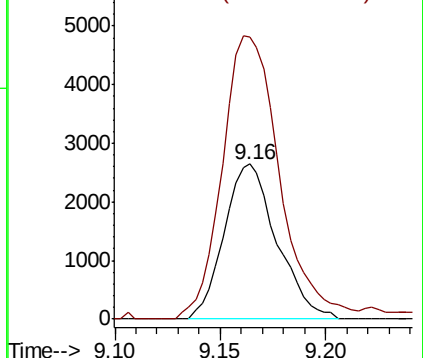
Ion Ratio Lower Upper

106 100

91 181.2 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V



#54

o-Xylene

Concen: 2.071 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019220.D

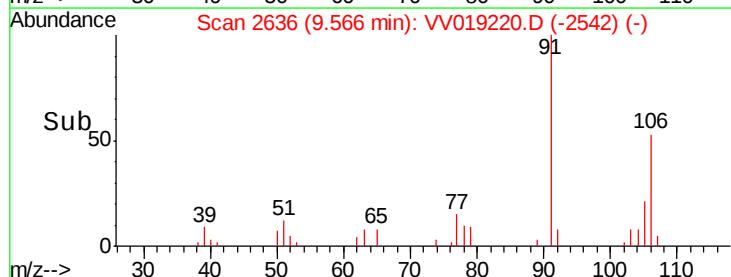
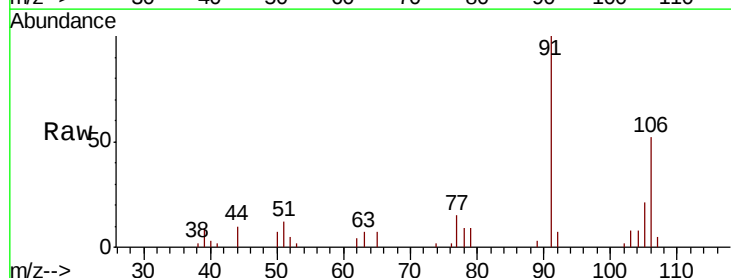
Acq: 03 Nov 2020 00:30

Tgt Ion:106 Resp: 4940

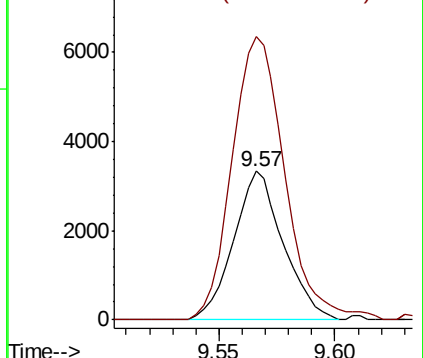
Ion Ratio Lower Upper

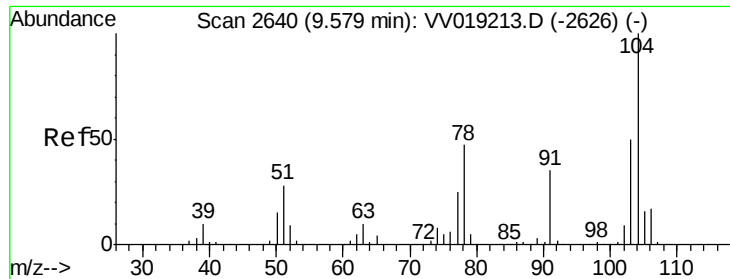
106 100

91 190.7 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V





#55

Stvrene

Concen: 1.828 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

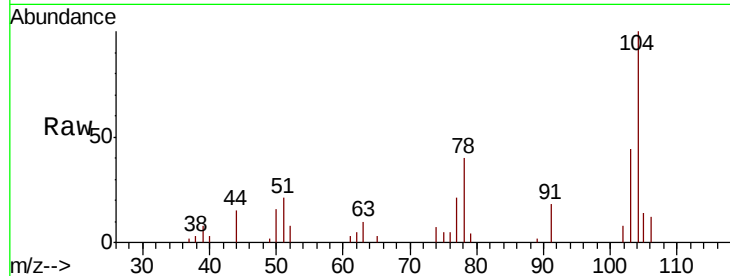
MDL-ME-SOIL-01

Tot Ion:104 Resp: 7763

Ion Ratio Lower Upper

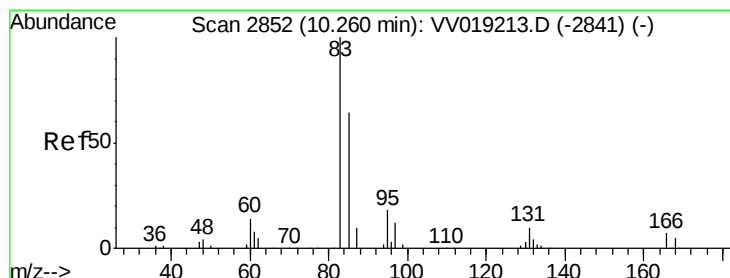
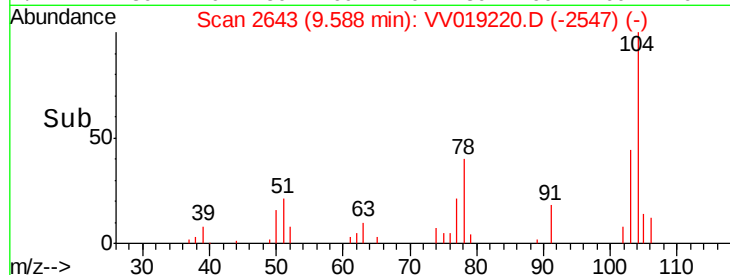
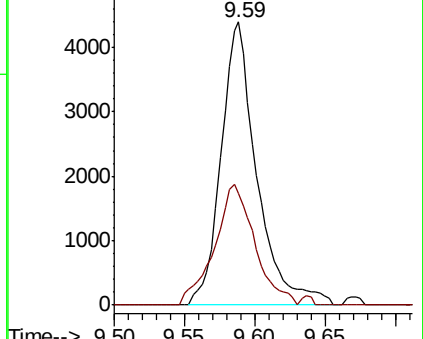
104 100

78 39.7 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019220.D (-2643) (-)

Ion 78.00 (77.70 to 78.70): VV019220.D (-2643) (-)



#57

1,1,2,2-Tetrachloroethane

Concen: 2.395 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

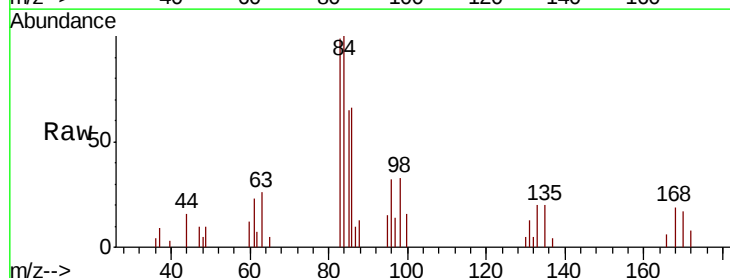
Tgt Ion: 83 Resp: 5180

Ion Ratio Lower Upper

83 100

85 65.5 45.0 83.6

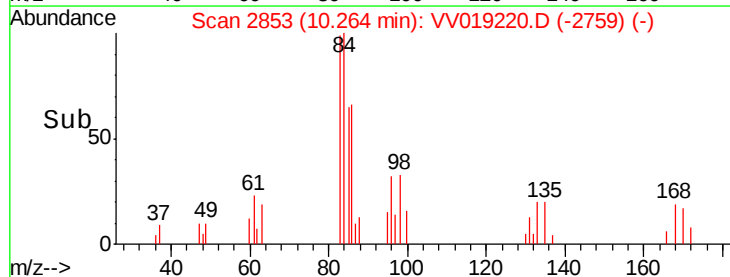
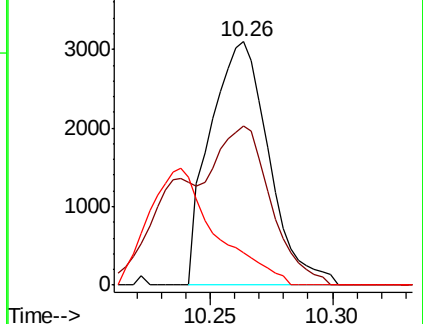
131 13.5 8.9 13.3#

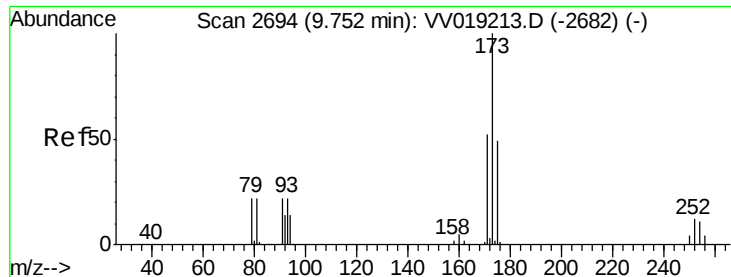


Abundance Ion 83.00 (82.70 to 83.70): VV019220.D (-2852) (-)

Ion 85.00 (84.70 to 85.70): VV019220.D (-2852) (-)

Ion 131.00 (130.70 to 131.70): VV019220.D (-2852) (-)





#59

Bromoform

Concen: 2.322 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-01

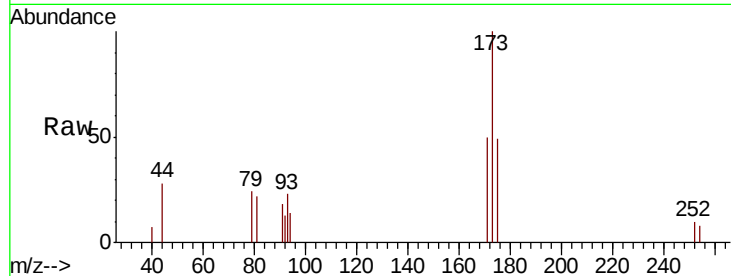
Tot Ion:173 Resp: 2843

Ion Ratio Lower Upper

173 100

175 49.7 38.4 57.6

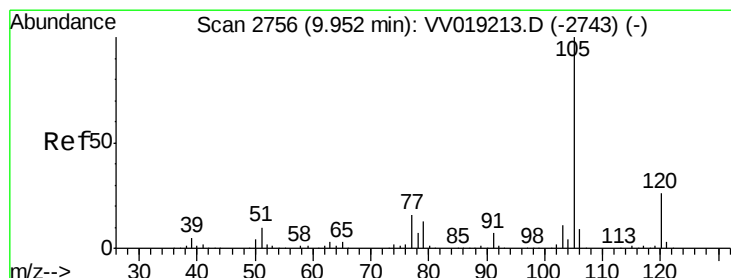
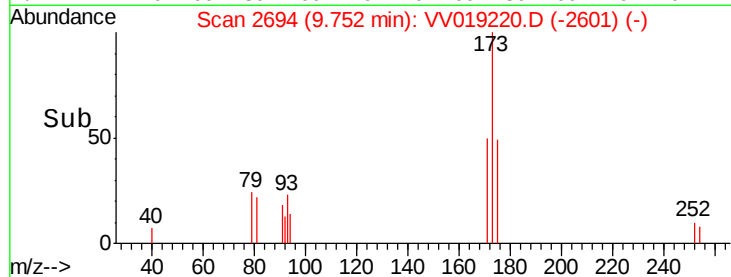
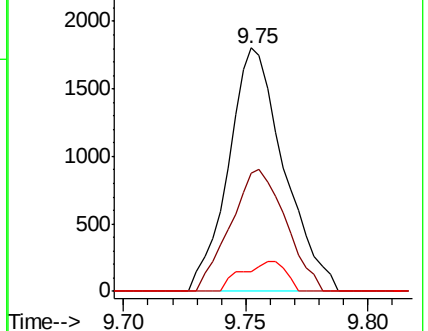
254 6.1 9.0 13.6#



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: 1.822 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019220.D

Acq: 03 Nov 2020 00:30

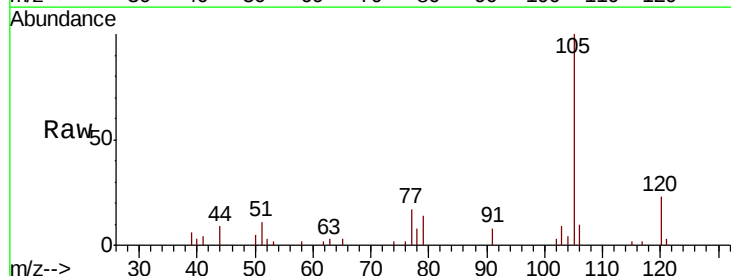
Tgt Ion:105 Resp: 10535

Ion Ratio Lower Upper

105 100

120 24.0 21.0 31.4

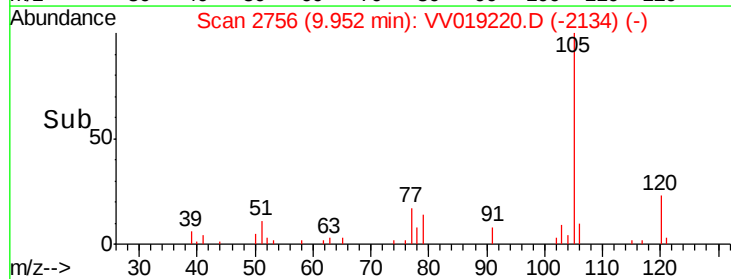
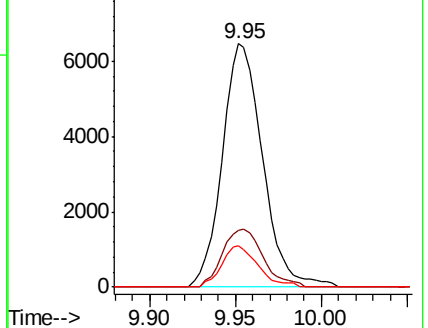
77 15.1 13.0 19.6

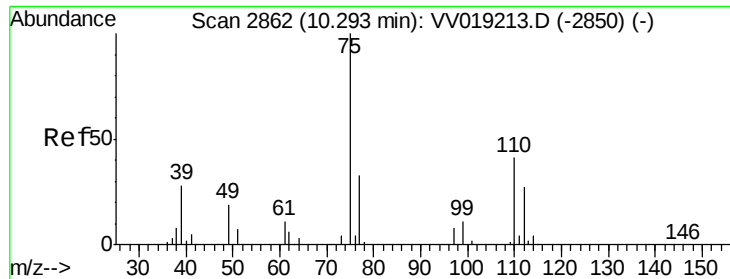


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

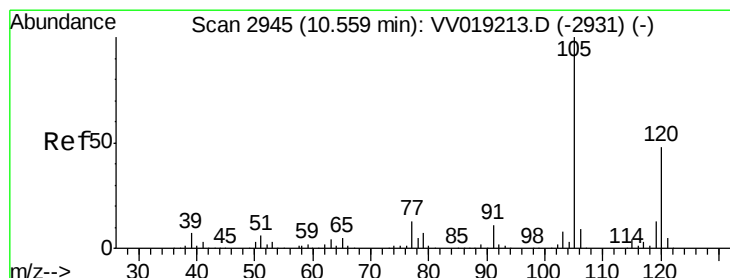
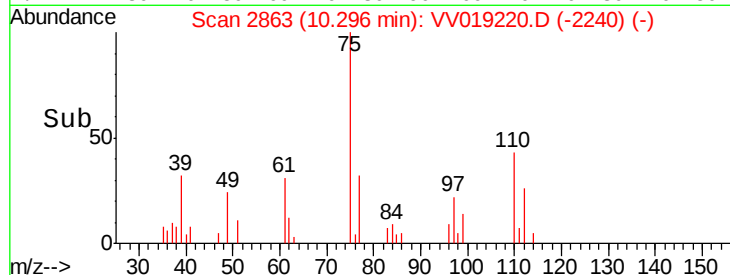
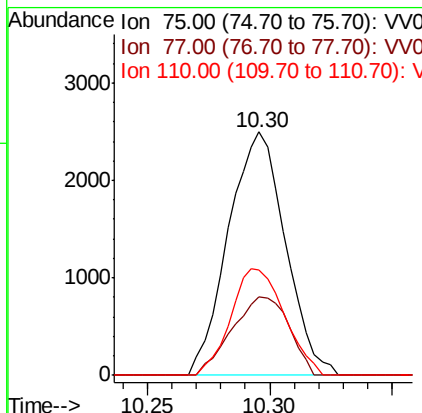
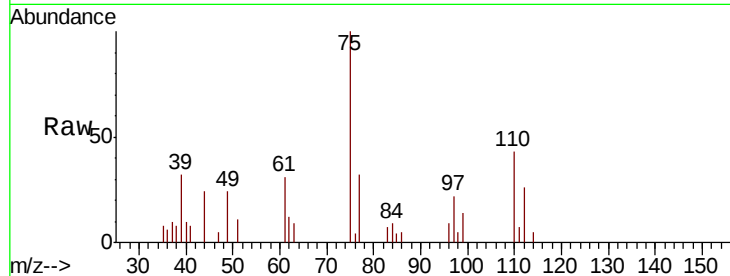




#61
 1,2,3-Trichloropropane
 Concen: 2.364 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

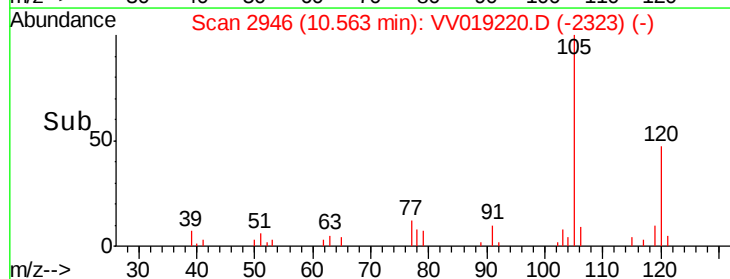
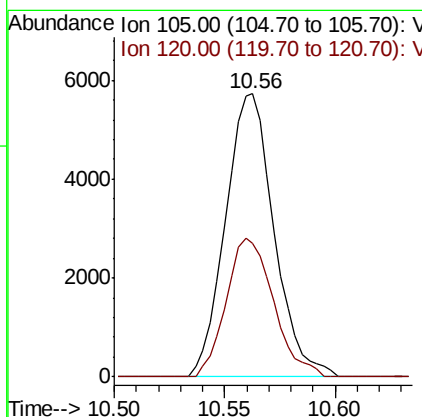
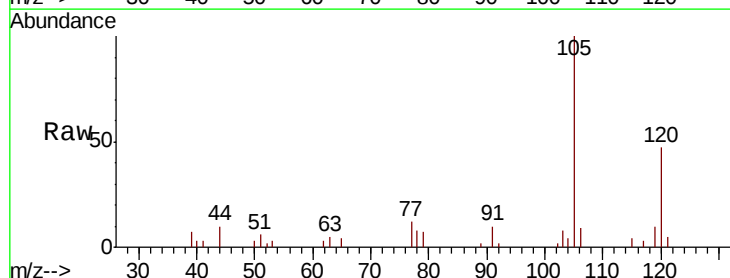
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

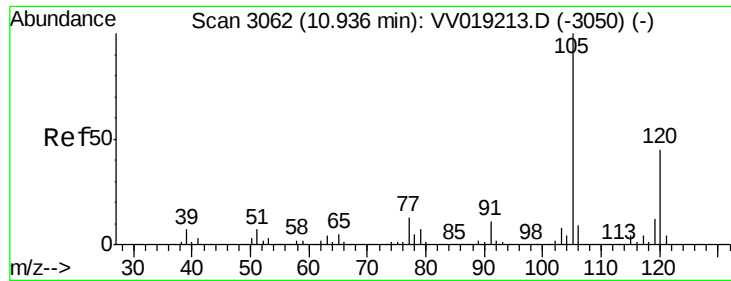
Tot Ion: 75 Resp: 4052
 Ion Ratio Lower Upper
 75 100
 77 32.2 24.8 37.2
 110 41.2 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 1.817 ug/L
 RT: 10.56 min Scan# 2946
 Delta R.T. 0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Tgt Ion: 105 Resp: 8751
 Ion Ratio Lower Upper
 105 100
 120 47.8 38.3 57.5

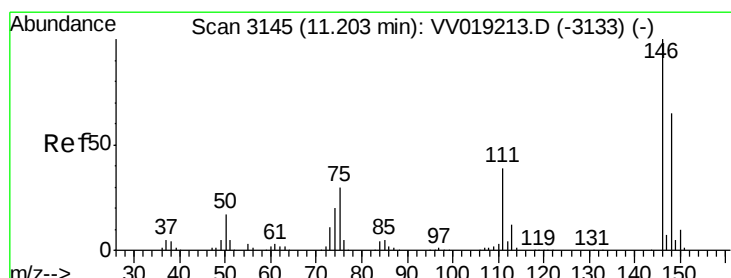
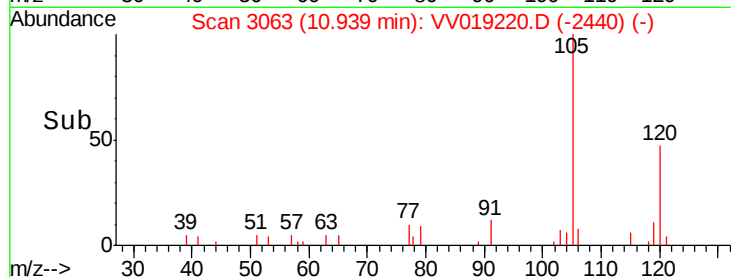
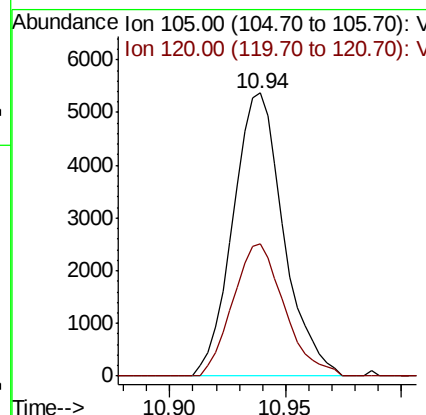
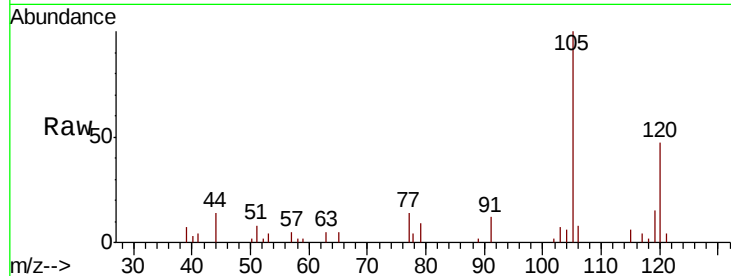




#63
 1,2,4-Trimethylbenzene
 Concen: 1.727 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

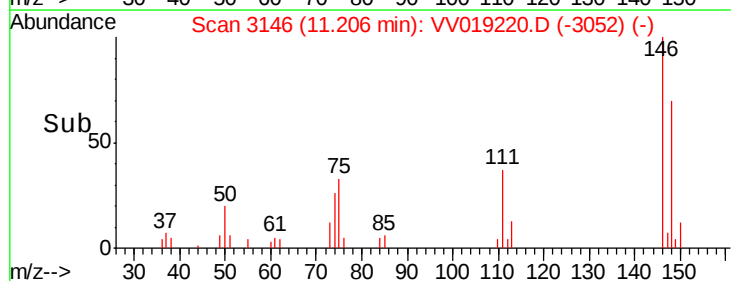
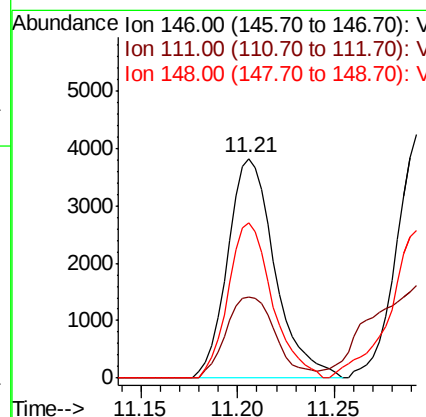
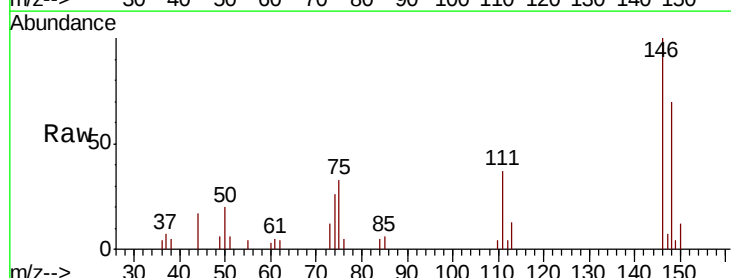
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

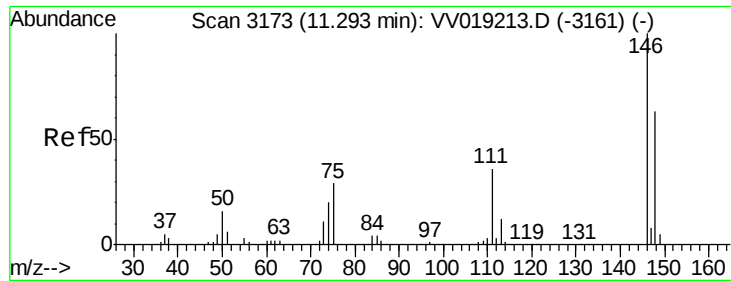
Tot Ion:105 Resp: 8137
 Ion Ratio Lower Upper
 105 100
 120 47.6 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 2.147 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Tgt Ion:146 Resp: 6493
 Ion Ratio Lower Upper
 146 100
 111 36.9 27.3 50.7
 148 70.4 45.2 84.0

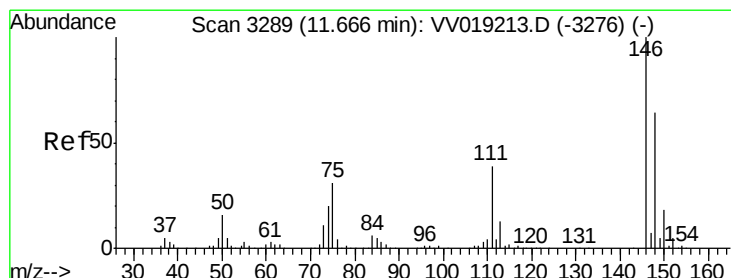
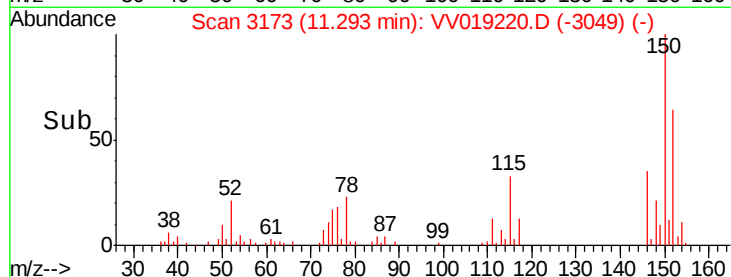
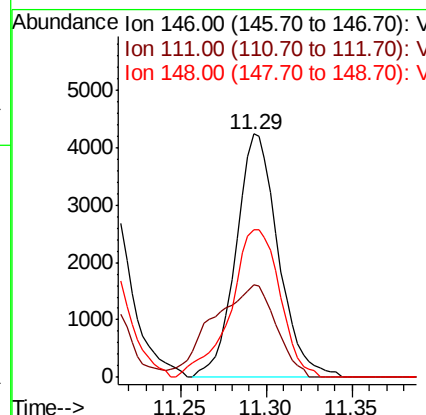
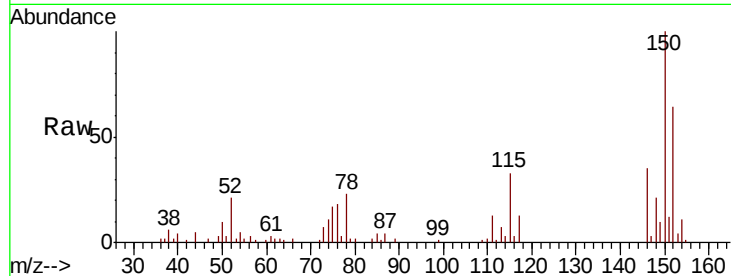




#65
 1,4-Dichlorobenzene
 Concen: 2.324 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

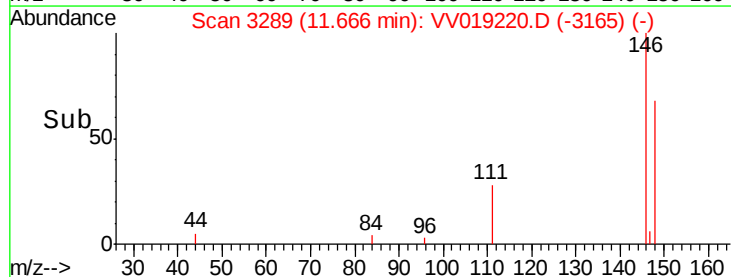
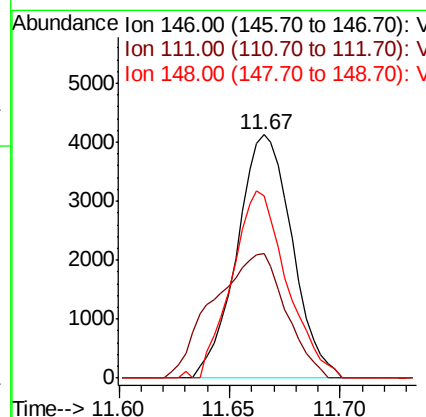
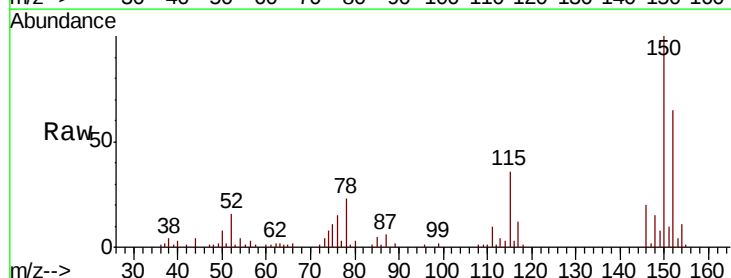
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

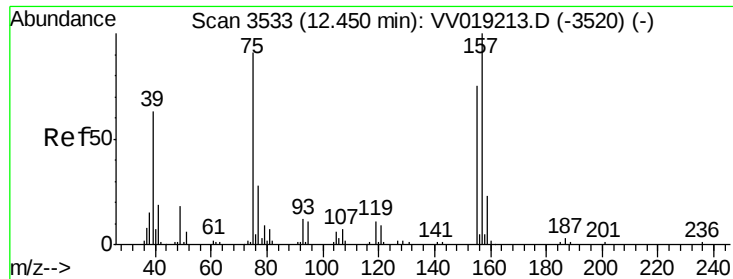
Tot Ion:146 Resp: 7273
 Ion Ratio Lower Upper
 146 100
 111 38.1 25.9 48.1
 148 60.5 44.9 83.5



#67
 1,2-Dichlorobenzene
 Concen: 2.315 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Tgt Ion:146 Resp: 7164
 Ion Ratio Lower Upper
 146 100
 111 51.0 32.6 48.8#
 148 74.7 50.1 75.1

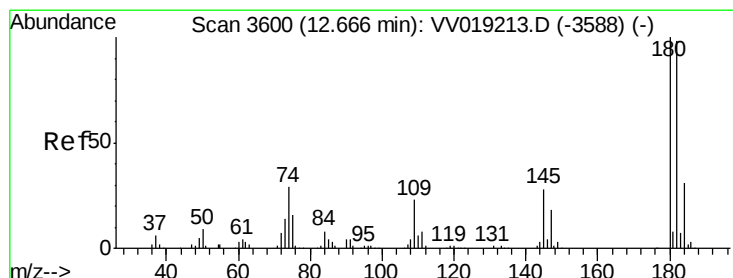
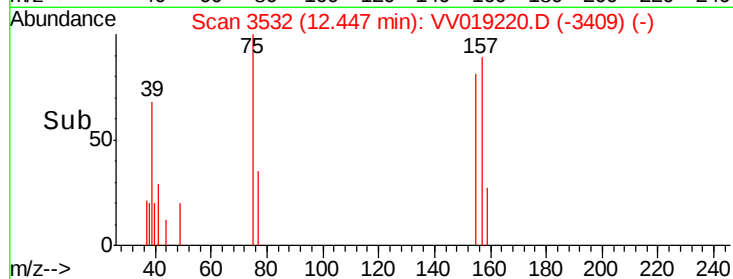
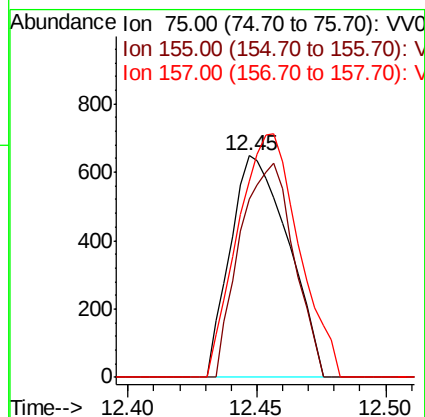
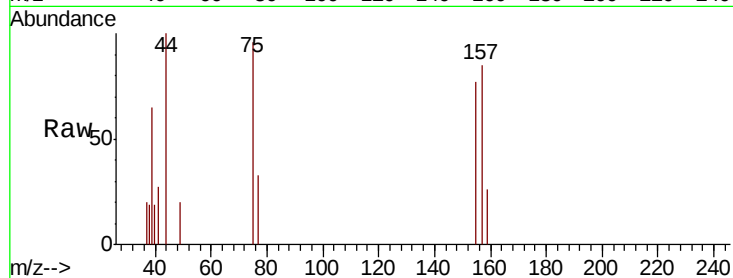




#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.032 ug/L
 RT: 12.45 min Scan# 3532
 Delta R.T. -0.00 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

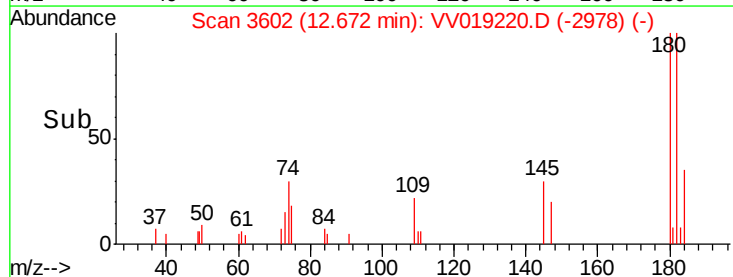
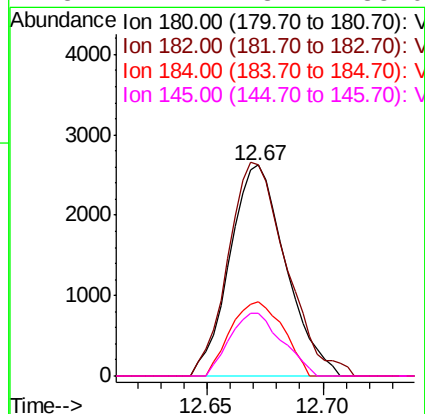
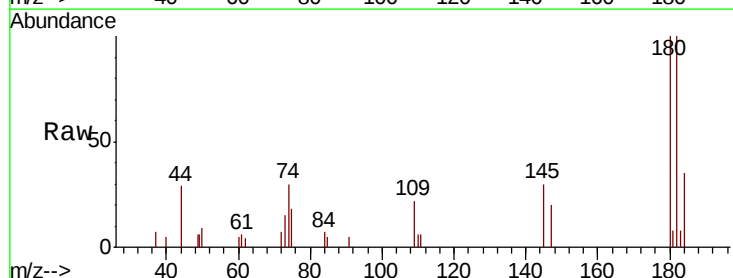
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

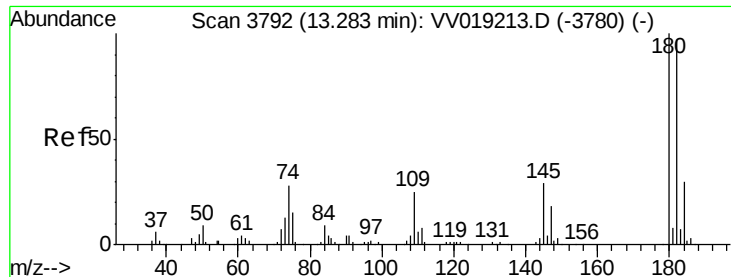
Tot Ion: 75 Resp: 1016
 Ion Ratio Lower Upper
 75 100
 155 80.7 65.8 98.6
 157 88.9 86.3 129.5



#69
 1,3,5-Trichlorobenzene
 Concen: 2.025 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.01 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Tgt Ion: 180 Resp: 4396
 Ion Ratio Lower Upper
 180 100
 182 104.9 77.7 116.5
 184 33.1 24.9 37.3
 145 27.7 23.4 35.0

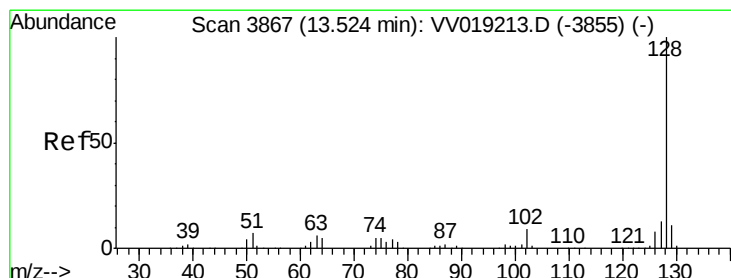
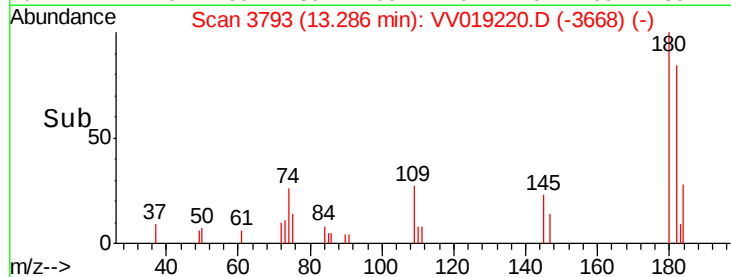
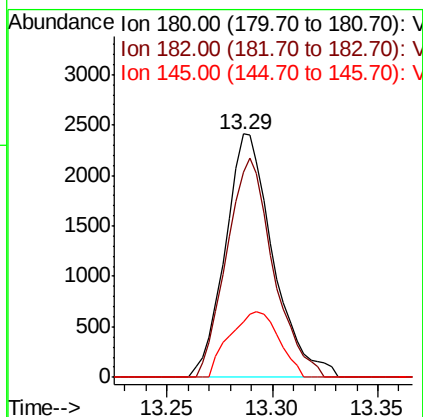
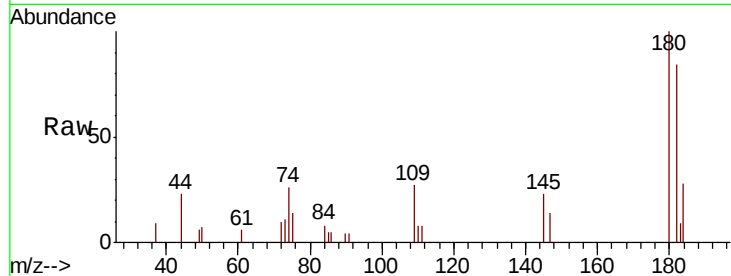




#70
1,2,4-trichlorobenzene
Concen: 1.853 ug/L
RT: 13.29 min Scan# 3793
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

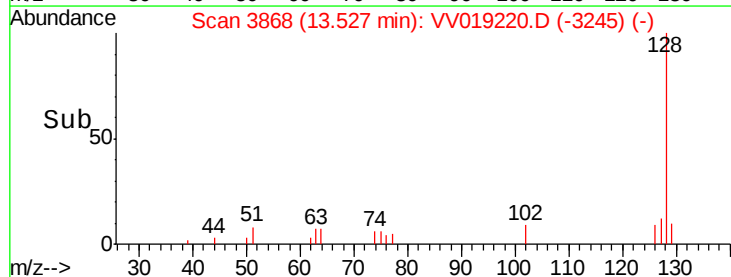
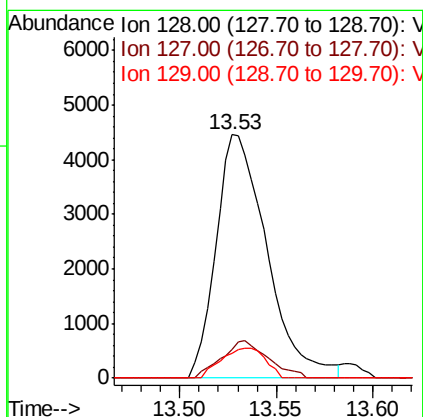
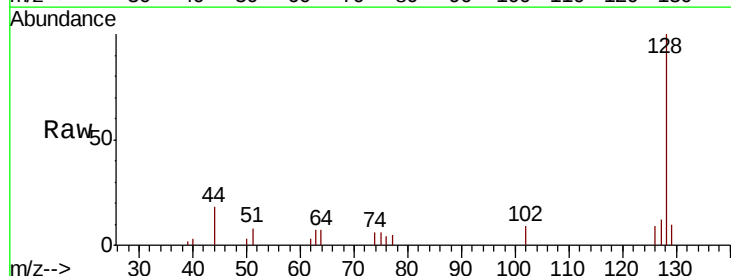
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-01

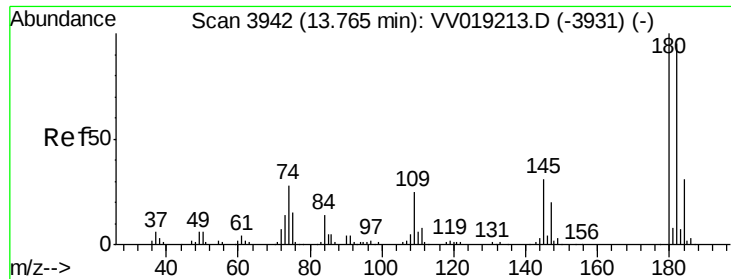
Tot Ion:180 Resp: 3786
Ion Ratio Lower Upper
180 100
182 87.7 76.6 114.8
145 27.8 23.2 34.8



#71
Naphthalene
Concen: 1.416 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV019220.D
Acq: 03 Nov 2020 00:30

Tgt Ion:128 Resp: 8156
Ion Ratio Lower Upper
128 100
127 14.0 10.7 16.1
129 10.6 8.6 13.0





#72
 1,2,3-Trichlorobenzene
 Concen: 1.882 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.01 min
 Lab File: VV019220.D
 Acq: 03 Nov 2020 00:30

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-01

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.8	77.4	116.0
145	31.2	24.7	37.1

