

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110320\
 Data File : VV019222.D
 Acq On : 03 Nov 2020 01:17
 Operator : SY/MD
 Sample : L4485-17
 Misc : 5.0µ/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleID :
 MDL-ME-SOIL-03

Quant Time: Nov 03 05:30:38 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	225339	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	217155	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	106664	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	85248	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.04%
7) Chloroethane-d5	1.58	69	73381	53.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	107.70%
11) 1,1-Dichloroethene-d2	2.12	63	130352	40.49	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.98%
21) 2-Butanone-d5	3.91	46	109400	114.09	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.09%
24) Chloroform-d	4.38	84	164531	50.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.10%
26) 1,2-Dichloroethane-d4	5.06	65	118462	52.24	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.48%
32) Benzene-d6	5.07	84	306847	51.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.34%
36) 1,2-Dichloropropane-d6	6.09	67	94900	53.01	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	106.02%
41) Toluene-d8	7.34	98	274129	49.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.16%
43) trans-1,3-Dichloropropene-	7.64	79	50795	50.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.22%
47) 2-Hexanone-d5	8.11	63	69481	99.97	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.97%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	118730	49.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.54%
66) 1,2-Dichlorobenzene-d4	11.65	152	116258	54.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.96%

Target Compounds

				Ovalue
2) Dichlorodifluoromethane	1.14	85	2111	1.529 ug/L 92
3) Chloromethane	1.25	50	2402	1.671 ug/L 99
5) Vinyl chloride	1.32	62	2948	1.970 ug/L # 41
6) Bromomethane	1.53	94	1929	1.918 ug/L 99
8) Chloroethane	1.60	64	2072	2.117 ug/L 93
9) Trichlorofluoromethane	1.77	101	4097	1.654 ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	2811	2.388 ug/L # 71
12) 1,1-Dichloroethene	2.13	96	2940	2.417 ug/L # 1
13) Acetone	2.20	43	2892	3.966 ug/L 66
14) Carbon disulfide	2.32	76	6173	1.767 ug/L 99
15) Methyl Acetate	2.45	43	2654	1.878 ug/L # 74
16) Methylene chloride	2.53	84	2769	1.915 ug/L 92
17) trans-1,2-Dichloroethene	2.78	96	2173	1.647 ug/L 92
18) Methyl tert-butyl Ether	2.79	73	7868	1.696 ug/L 98
19) 1,1-Dichloroethane	3.22	63	4176	1.615 ug/L 93
20) cis-1,2-Dichloroethene	3.94	96	1417	0.972 ug/L 92
23) Bromochloromethane	4.28	128	1039	1.294 ug/L # 80

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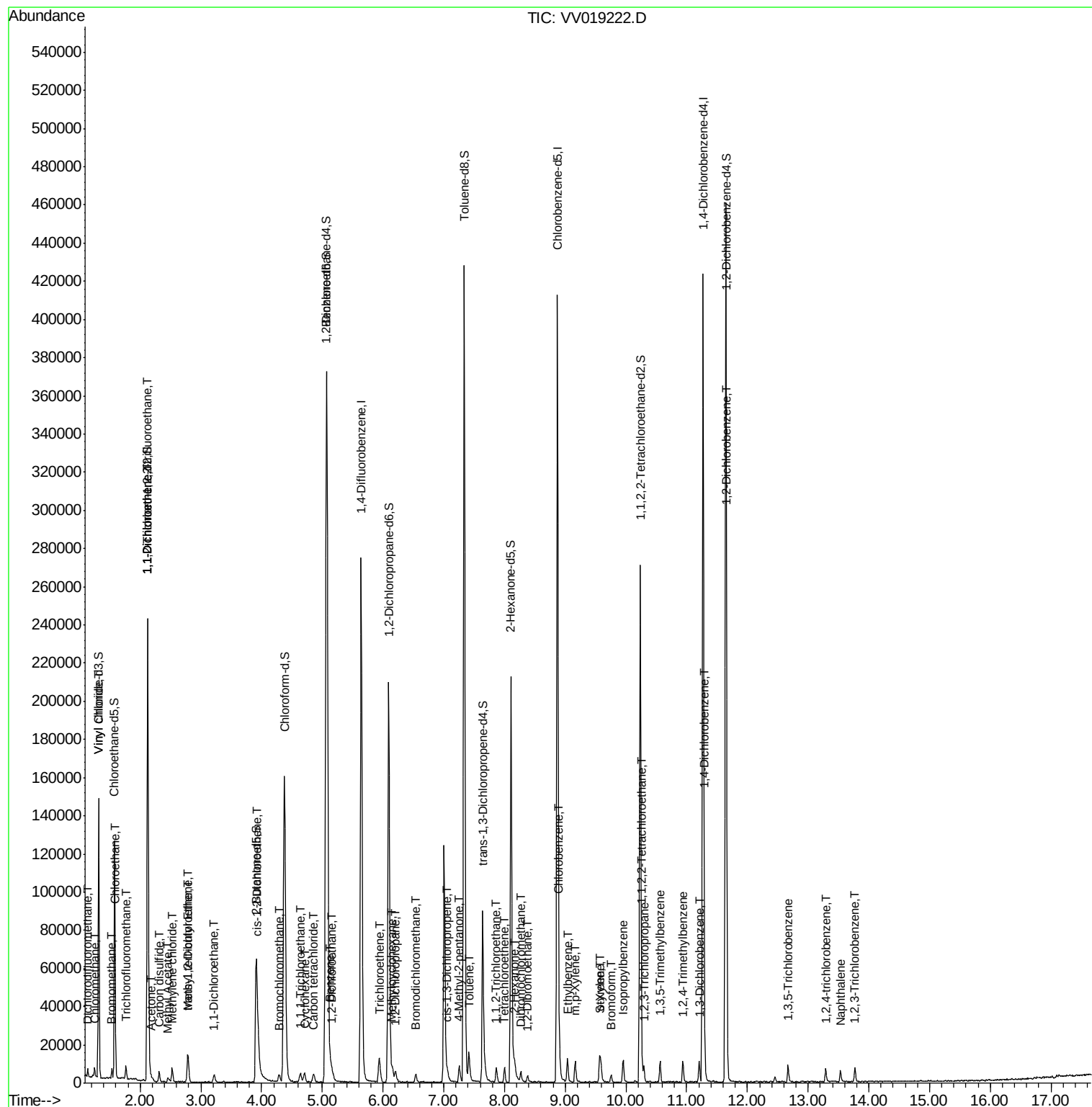
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.16	62	4346	1.844	ug/L	97
29) Cyclohexane	4.70	56	1262	0.679	ug/L #	21
30) 1,1,1-Trichloroethane	4.64	97	4186	1.662	ug/L #	74
31) Carbon tetrachloride	4.86	117	3039	1.398	ug/L	94
33) Benzene	5.13	78	8374	1.552	ug/L	100
34) Trichloroethene	5.95	95	2234	1.523	ug/L	90
35) Methylcyclohexane	6.16	83	2703	1.523	ug/L #	73
37) 1,2-Dichloropropane	6.21	63	2571	1.785	ug/L #	84
38) Bromodichloromethane	6.54	83	3171	1.530	ug/L	99
39) cis-1,3-Dichloropropene	7.06	75	2803	1.216	ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	6119	3.162	ug/L	97
42) Toluene	7.41	91	10835	1.857	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	2241	1.574	ug/L	90
46) Tetrachloroethene	8.00	164	1890	1.579	ug/L	87
48) 2-Hexanone	8.16	43	6345	4.338	ug/L	100
49) Dibromochloromethane	8.27	129	2748	1.619	ug/L	86
50) 1,2-Dibromoethane	8.38	107	2344	1.589	ug/L #	90
51) Chlorobenzene	8.90	112	6658	1.706	ug/L	96
52) Ethylbenzene	9.04	91	9333	1.450	ug/L	99
53) m,p-Xylene	9.16	106	3251	1.349	ug/L	88
54) o-Xylene	9.57	106	3144	1.324	ug/L	90
55) Styrene	9.59	104	5625	1.331	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.26	83	3641	1.691	ug/L	97
59) Bromoform	9.76	173	1918	1.620	ug/L #	94
60) Isopropylbenzene	9.95	105	7955	1.423	ug/L	96
61) 1,2,3-Trichloropropane	10.29	75	2935	1.771	ug/L	97
62) 1,3,5-Trimethylbenzene	10.56	105	6446	1.384	ug/L	98
63) 1,2,4-Trimethylbenzene	10.94	105	6098	1.338	ug/L	98
64) 1,3-Dichlorobenzene	11.21	146	4407	1.507	ug/L	93
65) 1,4-Dichlorobenzene	11.30	146	5398	1.784	ug/L	97
67) 1,2-Dichlorobenzene	11.67	146	5292	1.769	ug/L	94
69) 1,3,5-Trichlorobenzene	12.67	180	3191	1.520	ug/L	96
70) 1,2,4-trichlorobenzene	13.29	180	2823	1.429	ug/L	96
71) Naphthalene	13.53	128	5620	1.009	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	2721	1.390	ug/L	99

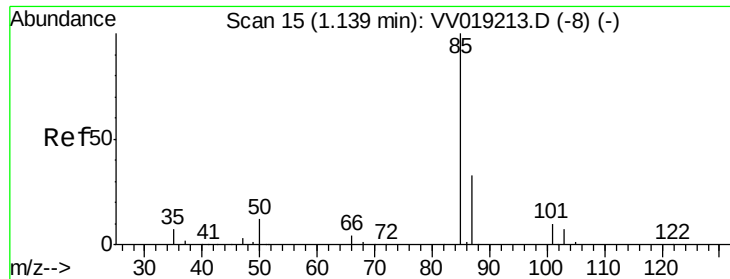
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 1.529 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

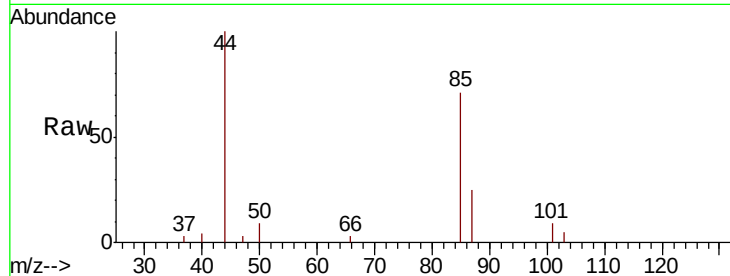
MDL-ME-SOIL-03

Tot Ion: 85 Resp: 2111

Ion Ratio Lower Upper

85 100

87 36.9 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

2500

2000

1500

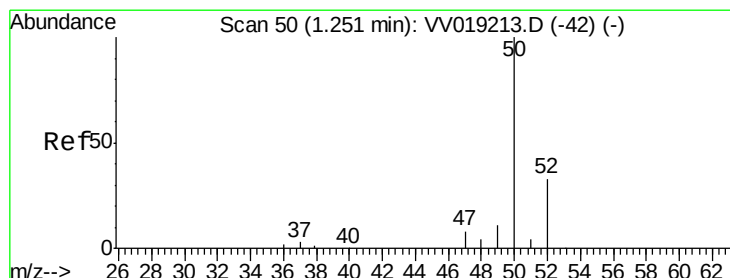
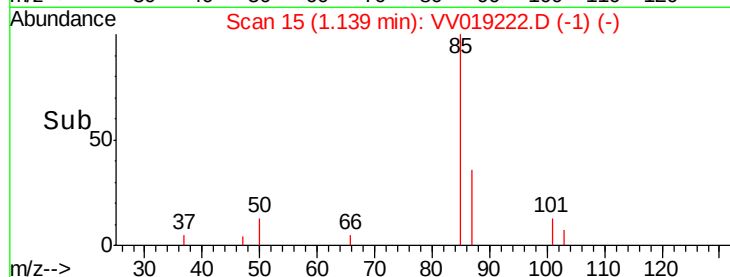
1000

500

0

1.12 1.14 1.16

Time-->



#3

Chloromethane

Concen: 1.671 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV019222.D

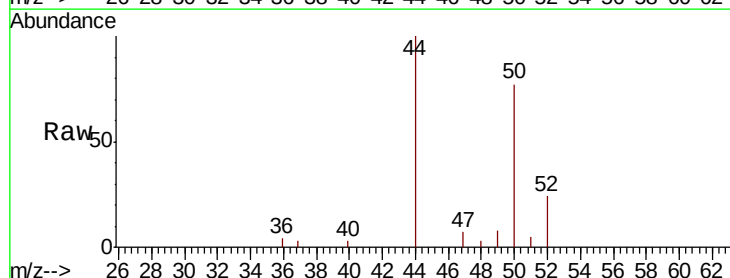
Acq: 03 Nov 2020 01:17

Tgt Ion: 50 Resp: 2402

Ion Ratio Lower Upper

50 100

52 32.0 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

3000

2500

2000

1500

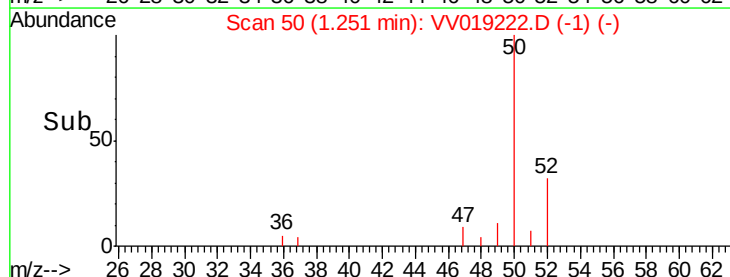
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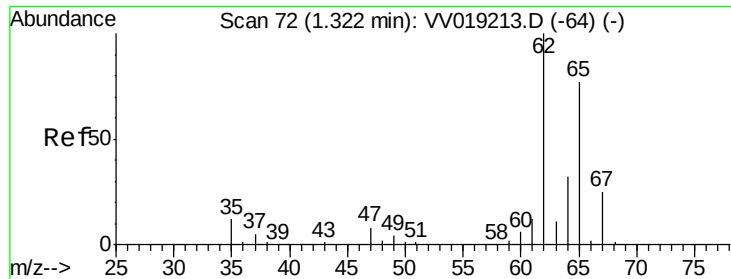
500

0

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 1.970 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

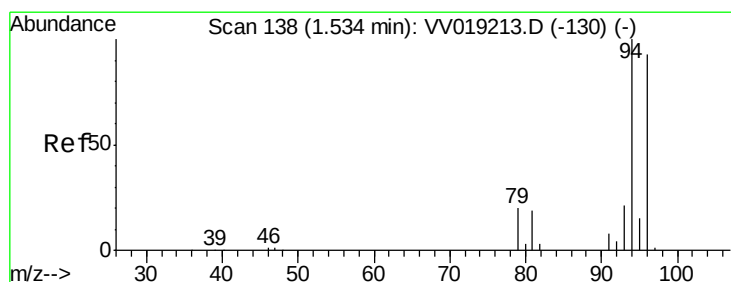
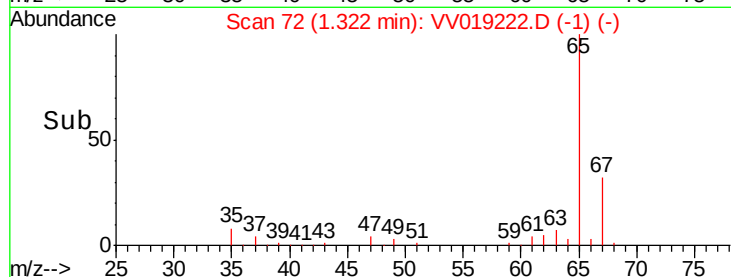
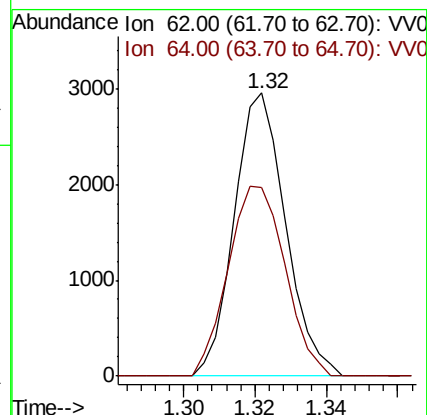
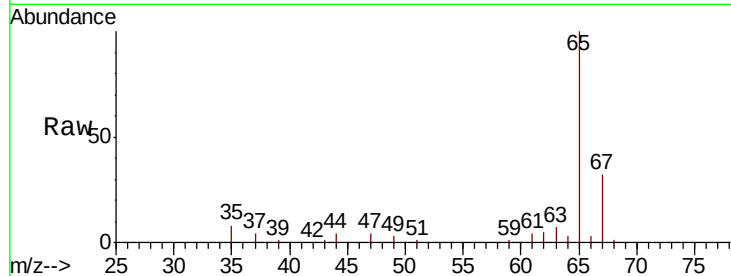
MDL-ME-SOIL-03

Tot Ion: 62 Resp: 2948

Ion Ratio Lower Upper

62 100

64 66.7 23.3 43.3#



#6

Bromomethane

Concen: 1.918 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV019222.D

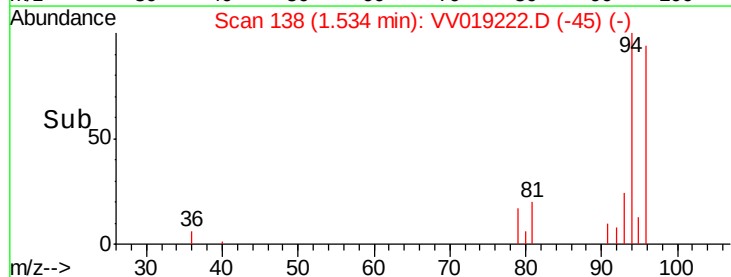
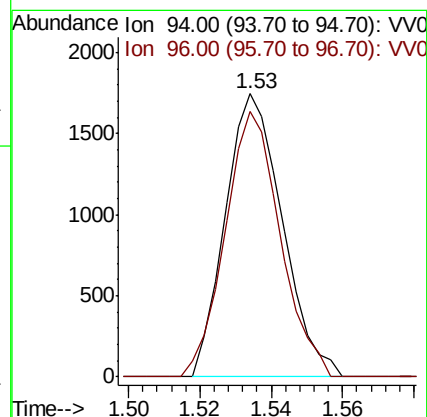
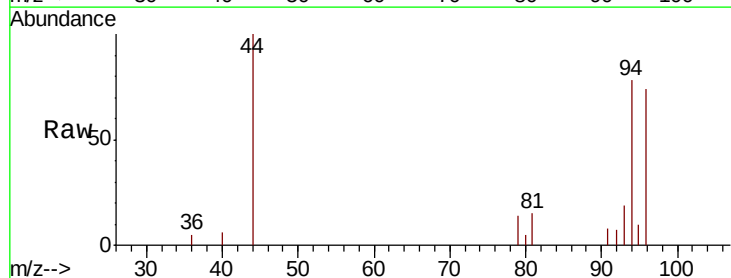
Acq: 03 Nov 2020 01:17

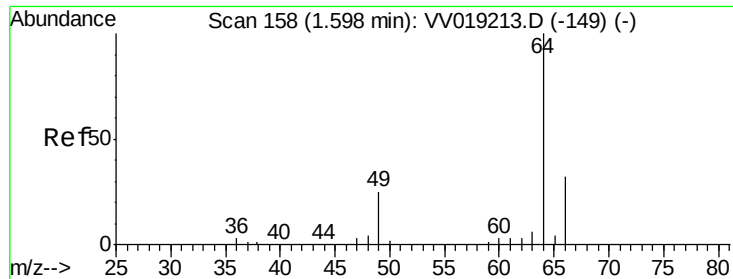
Tgt Ion: 94 Resp: 1929

Ion Ratio Lower Upper

94 100

96 93.9 66.4 123.2

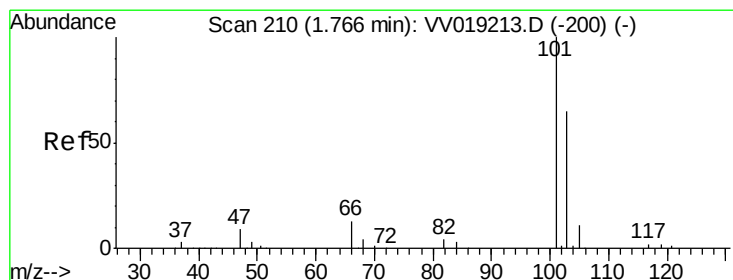
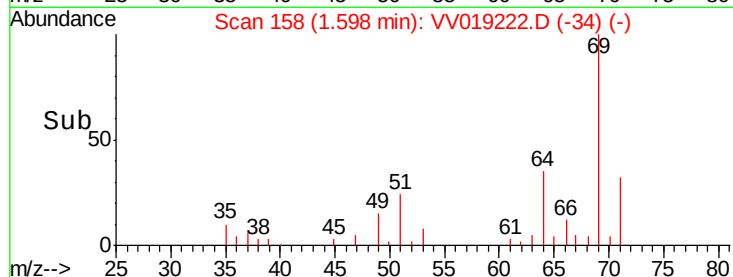
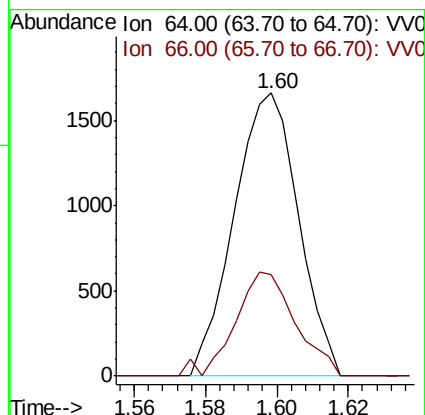
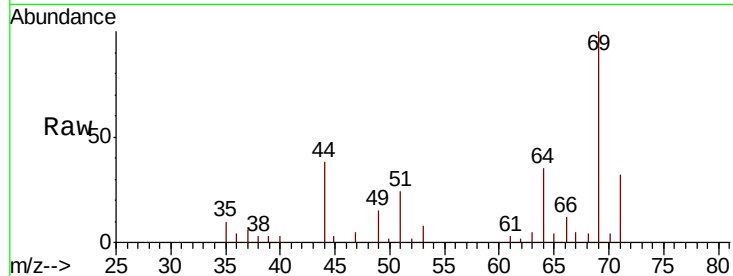




#8
Chloroethane
Concen: 2.117 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

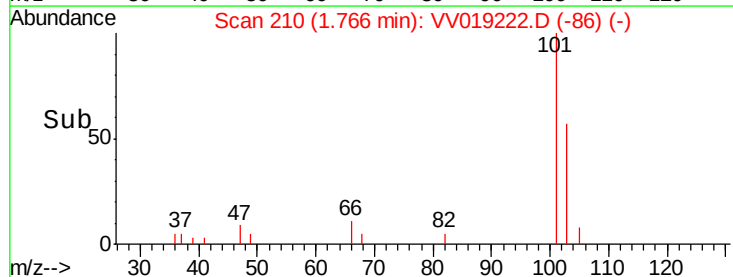
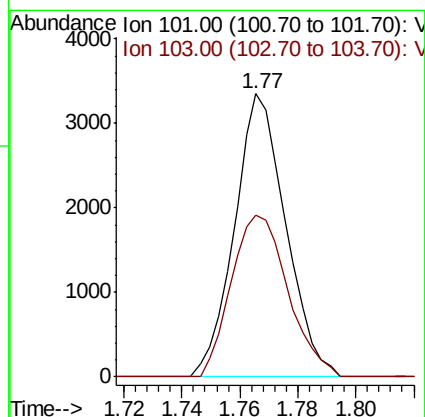
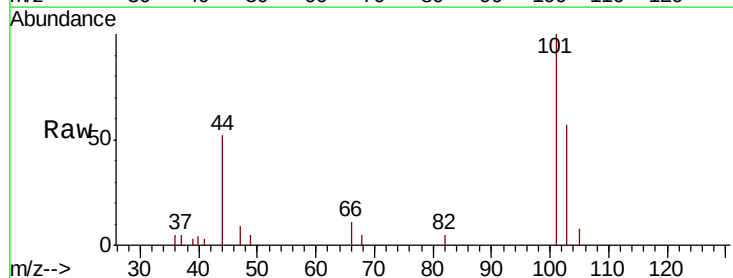
Instrument :
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MDL-ME-SOIL-03

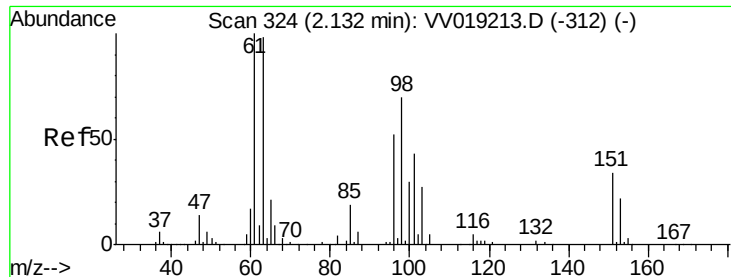
Tot Ion: 64 Resp: 2072
Ion Ratio Lower Upper
64 100
66 35.9 22.5 41.9



#9
Trichlorofluoromethane
Concen: 1.654 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Tgt Ion: 101 Resp: 4097
Ion Ratio Lower Upper
101 100
103 63.2 52.3 78.5





#10

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

Concen: 2.388 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

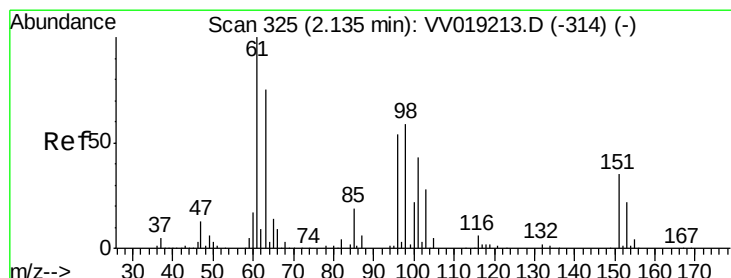
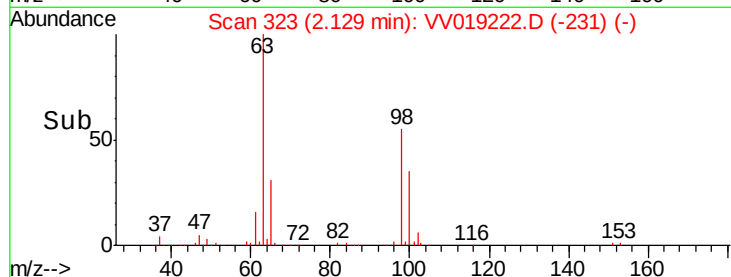
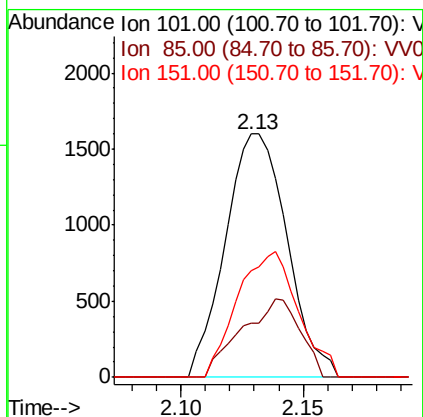
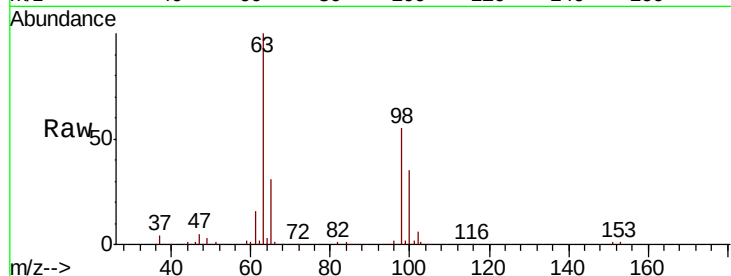
Tot Ion:101 Resp: 2811

Ion Ratio Lower Upper

101 100

85 30.6 35.6 53.4#

151 50.8 64.1 96.1#



#12

1,1-Dichloroethene

Concen: 2.417 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

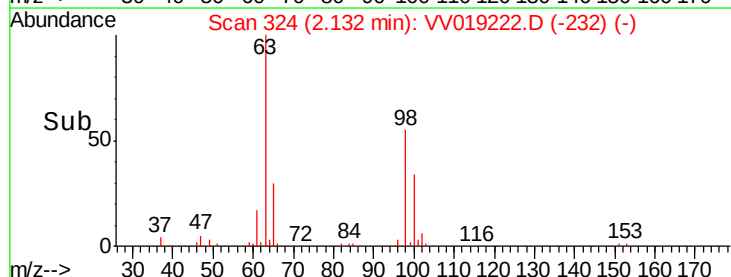
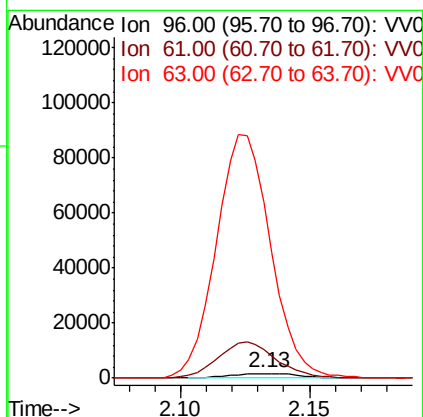
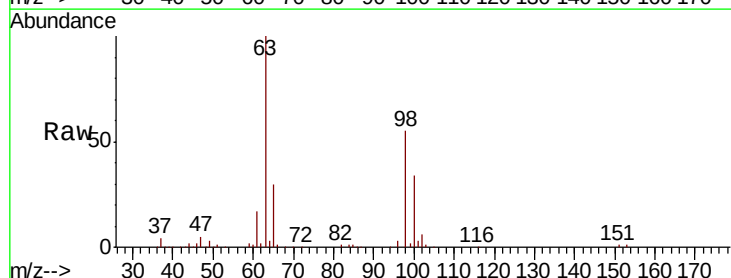
Tgt Ion: 96 Resp: 2940

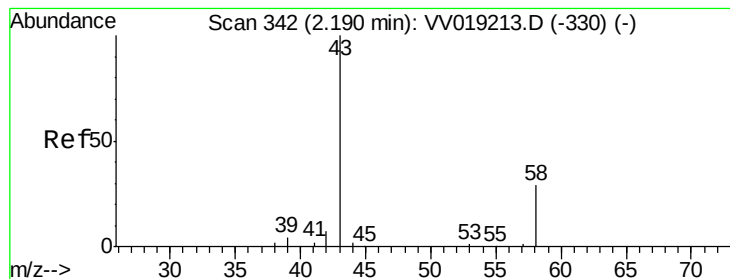
Ion Ratio Lower Upper

96 100

61 639.4 133.6 248.0#

63 3871.0 103.0 191.2#





#13

Acetone

Concen: 3.966 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

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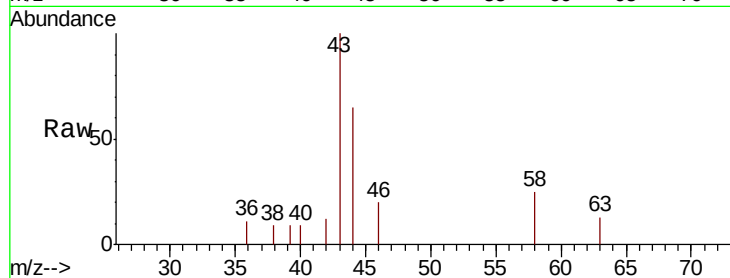
MDL-ME-SOIL-03

Tot Ion: 43 Resp: 2892

Ion Ratio Lower Upper

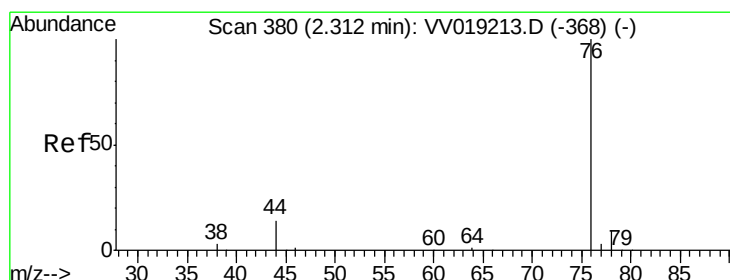
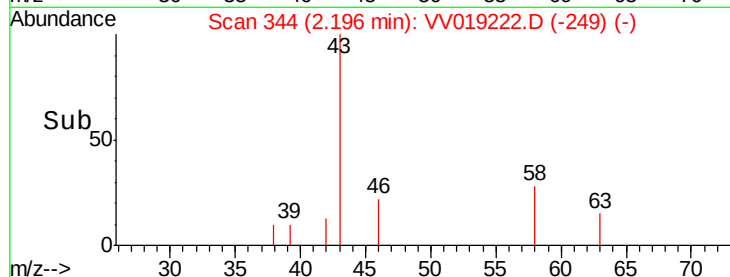
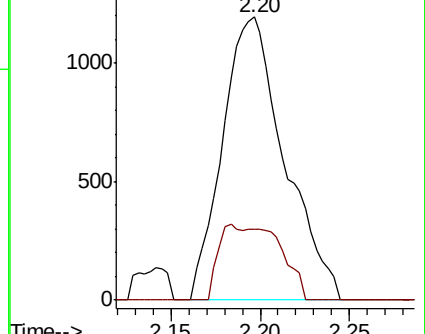
43 100

58 10.7 0.0 57.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#14

Carbon disulfide

Concen: 1.767 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV019222.D

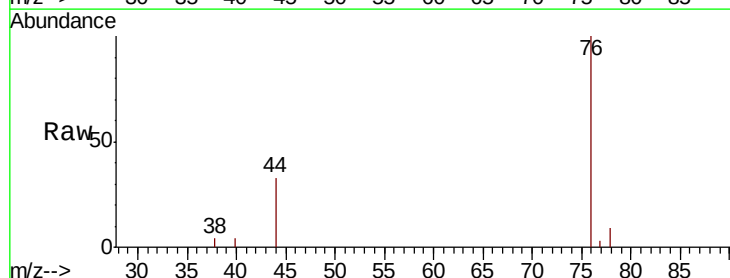
Acq: 03 Nov 2020 01:17

Tgt Ion: 76 Resp: 6173

Ion Ratio Lower Upper

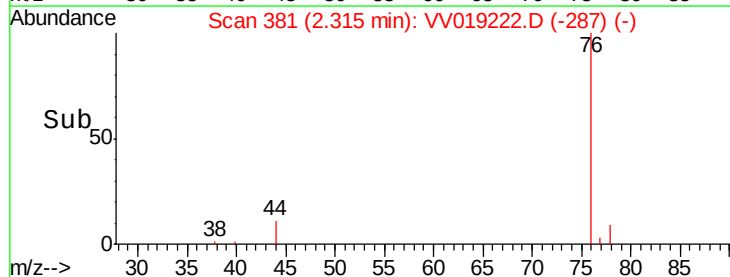
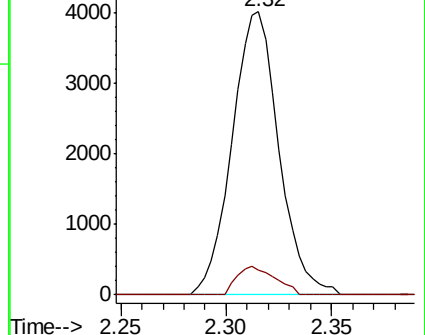
76 100

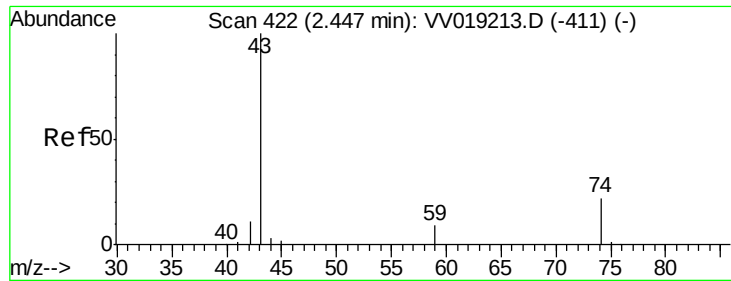
78 9.0 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

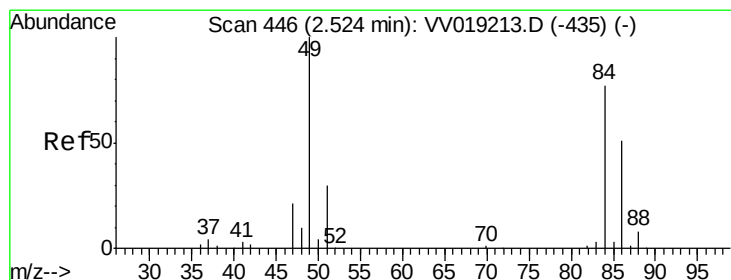
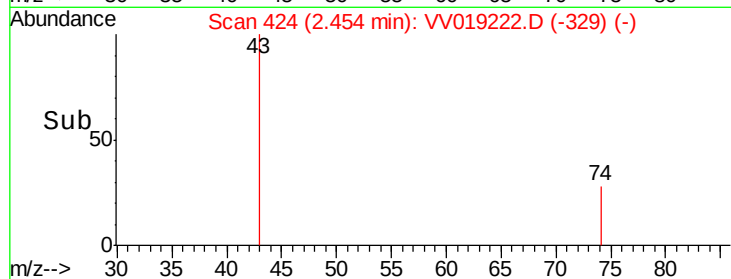
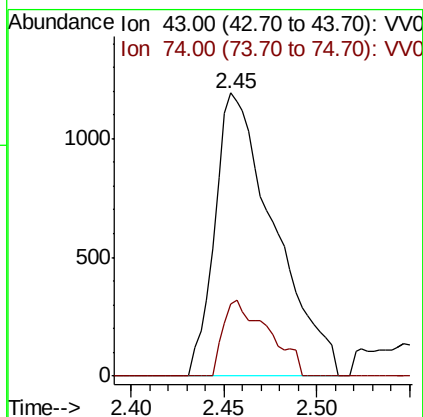
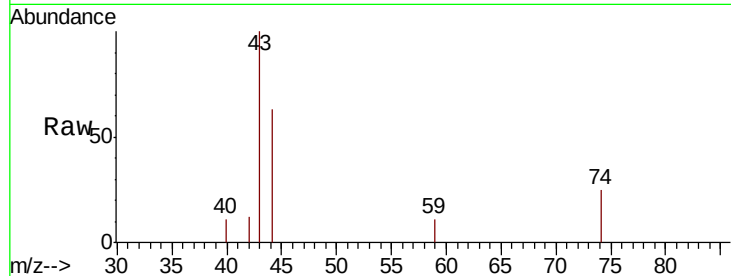




#15
Methvl Acetate
Concen: 1.878 ug/L
RT: 2.45 min Scan# 424
Delta R.T. 0.01 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

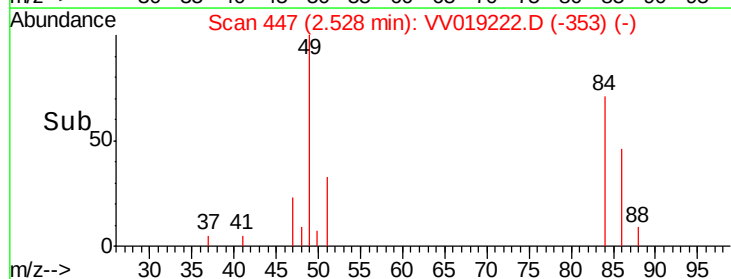
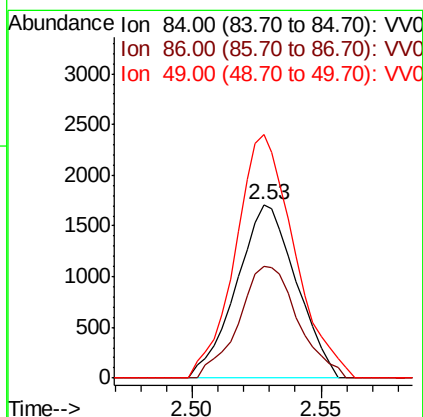
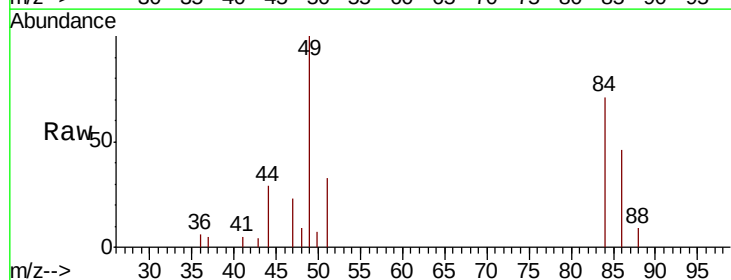
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-03

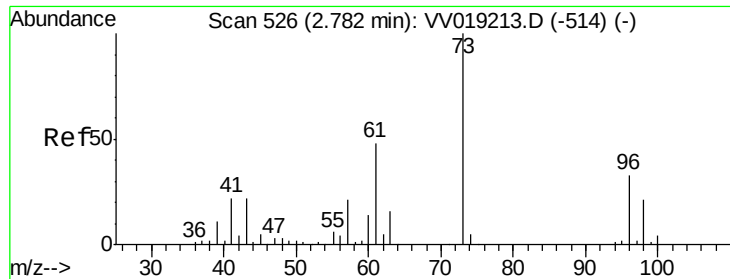
Tot Ion: 43 Resp: 2654
Ion Ratio Lower Upper
43 100
74 10.9 18.8 28.2#



#16
Methylene chloride
Concen: 1.915 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Tgt Ion: 84 Resp: 2769
Ion Ratio Lower Upper
84 100
86 64.4 45.6 84.8
49 140.1 89.3 165.9

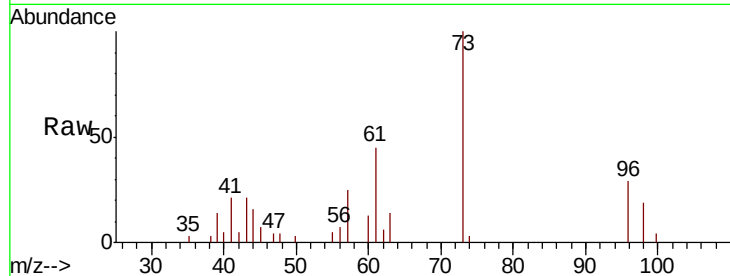




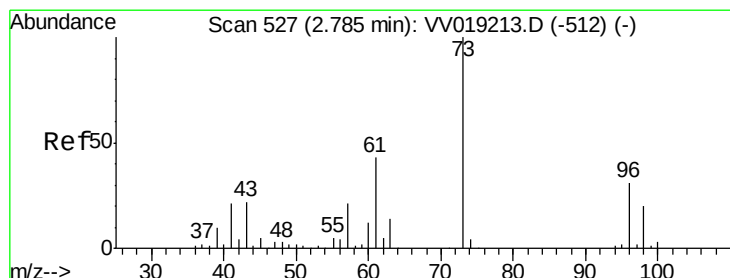
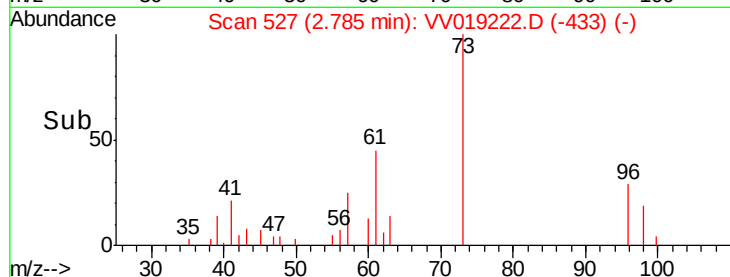
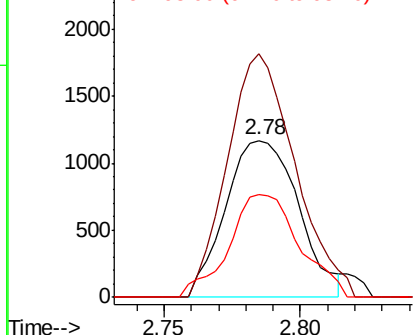
#17
trans-1,2-Dichloroethene
Concen: 1.647 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-03

Tot Ion: 96 Resp: 2173
Ion Ratio Lower Upper
96 100
61 155.3 100.7 187.1
98 65.4 42.9 79.7

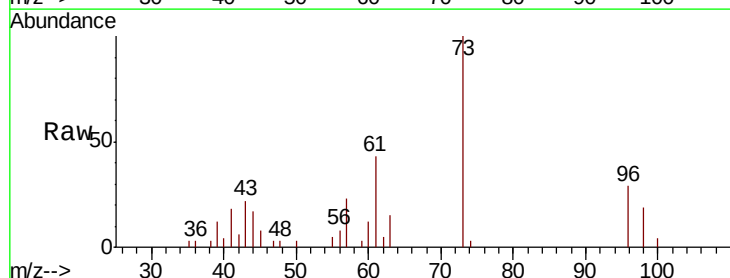


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

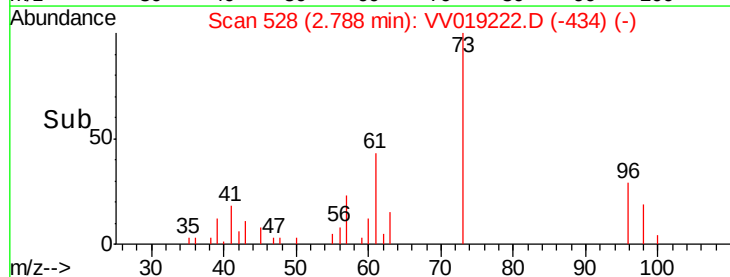
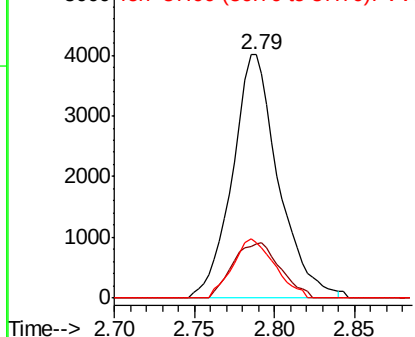


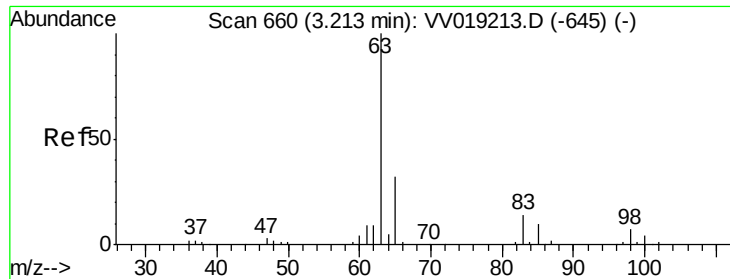
#18
Methyl tert-butyl Ether
Concen: 1.696 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Tgt Ion: 73 Resp: 7868
Ion Ratio Lower Upper
73 100
43 23.6 17.9 26.9
57 22.2 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

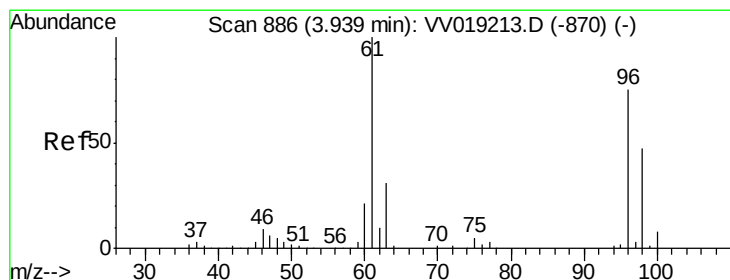
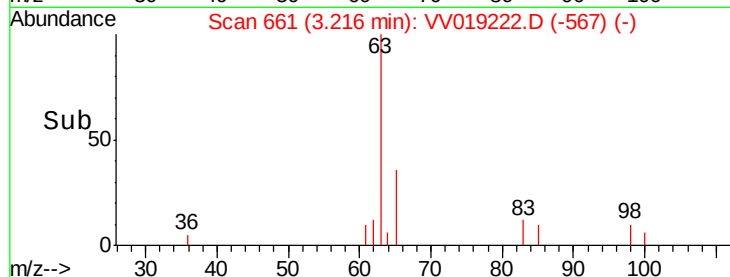
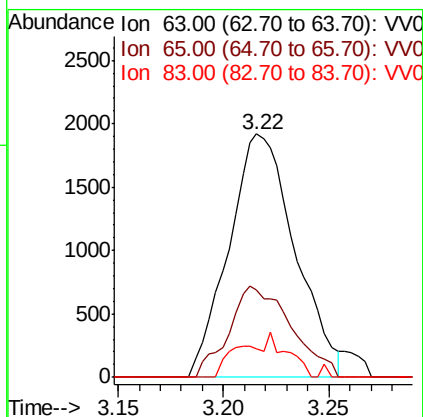
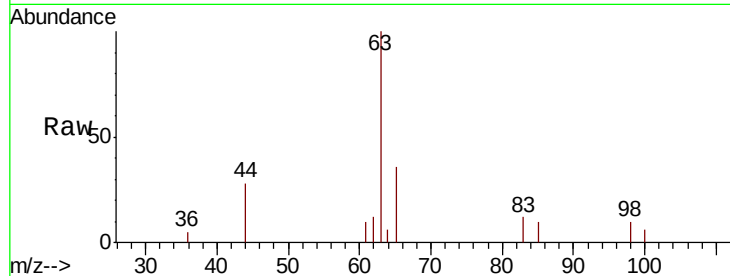




#19
 1,1-Dichloroethane
 Concen: 1.615 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

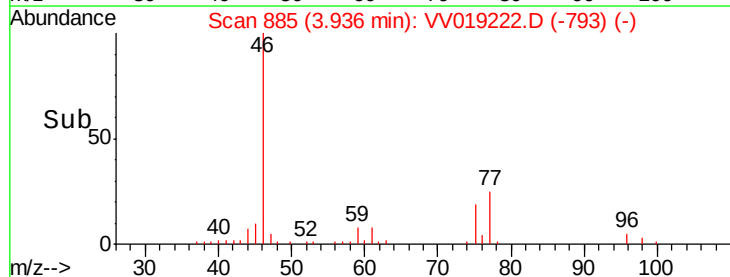
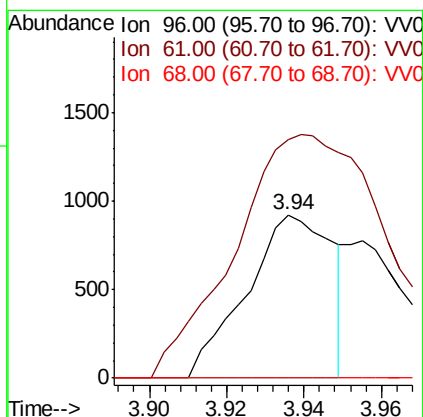
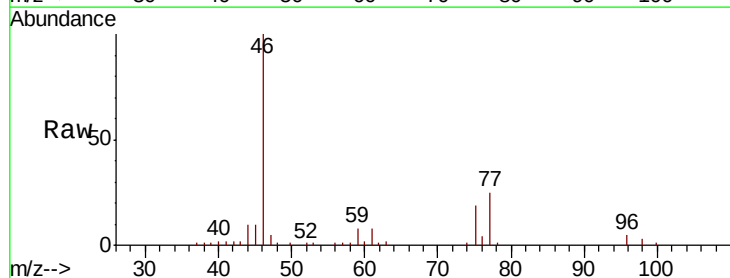
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

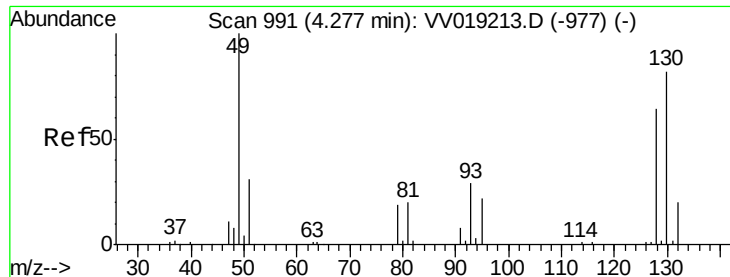
Tot Ion: 63 Resp: 4176
 Ion Ratio Lower Upper
 63 100
 65 35.8 21.8 40.6
 83 11.8 9.5 17.7



#20
 cis-1,2-Dichloroethene
 Concen: 0.972 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion: 96 Resp: 1417
 Ion Ratio Lower Upper
 96 100
 61 145.7 95.6 177.6
 68 0.0 0.0 0.0





#23

Bromochloromethane

Concen: 1.294 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

Tot Ion:128 Resp: 1039

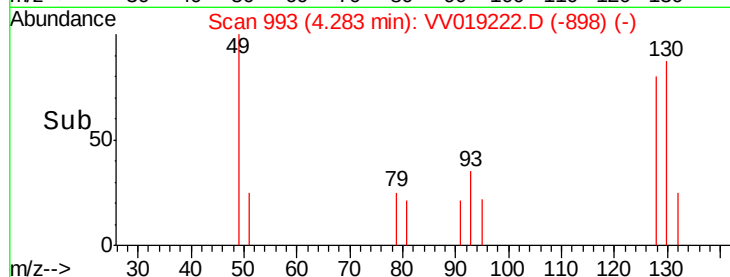
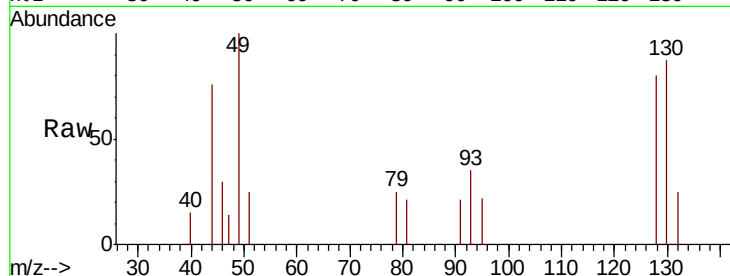
Ion Ratio Lower Upper

128 100

49 125.5 108.8 202.2

130 109.3 88.5 164.3

51 30.9 37.8 56.6#



Abundance Ion 128.00 (127.70 to 128.70): VV019222.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV019222.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV019222.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV019222.D (-898) (-)

Time-->

4.24 4.26 4.28 4.30

4.28

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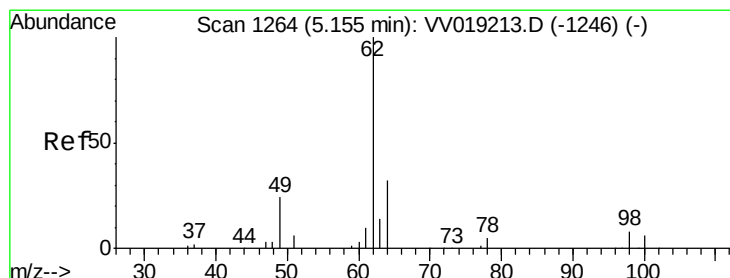
4.28

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4.28



#27

1,2-Dichloroethane

Concen: 1.844 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019222.D

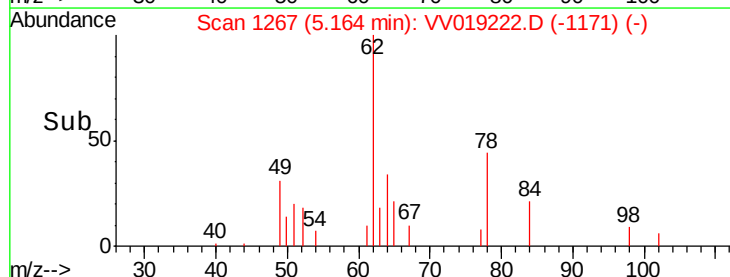
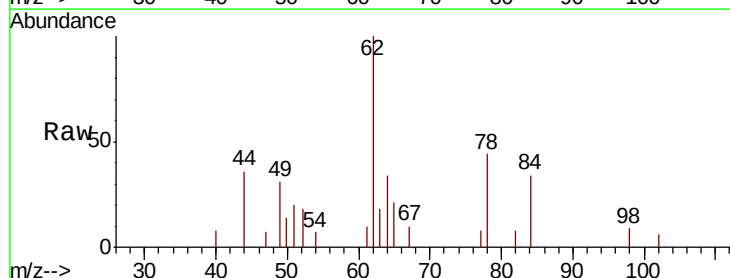
Acq: 03 Nov 2020 01:17

Tgt Ion: 62 Resp: 4346

Ion Ratio Lower Upper

62 100

98 9.5 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV019222.D (-1171) (-)

Ion 98.00 (97.70 to 98.70): VV019222.D (-1171) (-)

Time-->

5.10 5.15 5.20 5.25

5.16

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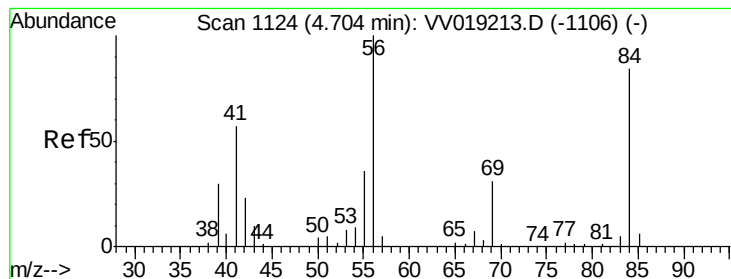
5.16

5.16

5.16

5.16

5.16



#29

Cyclohexane

Concen: 0.679 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

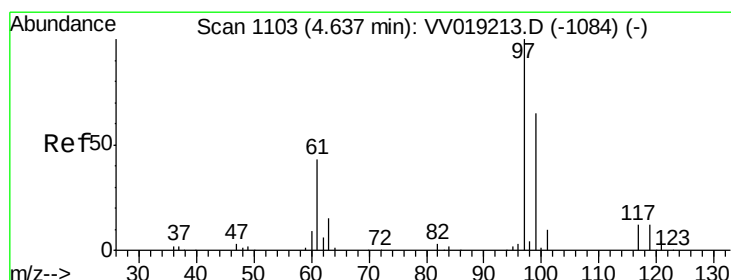
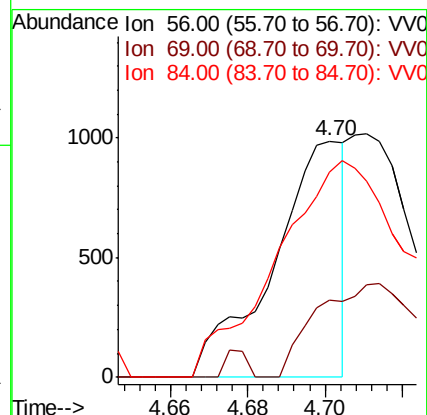
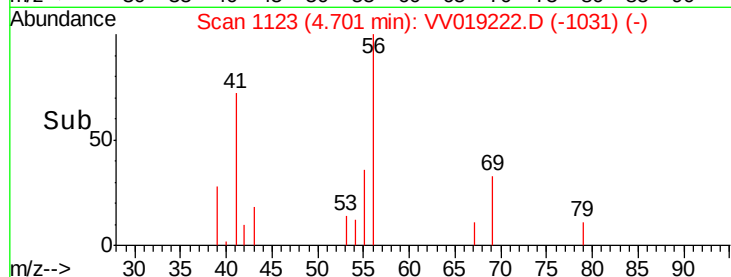
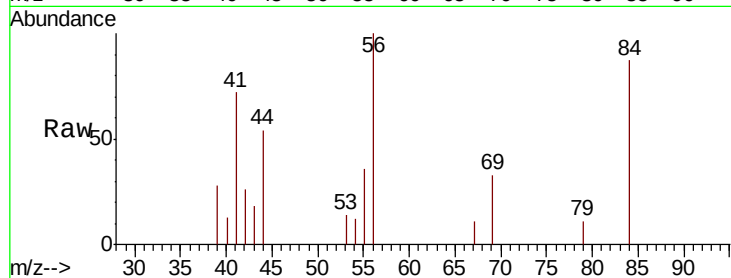
Tot Ion: 56 Resp: 1262

Ion Ratio Lower Upper

56 100

69 57.2 24.6 36.8#

84 171.6 70.5 105.7#



#30

1,1,1-Trichloroethane

Concen: 1.662 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

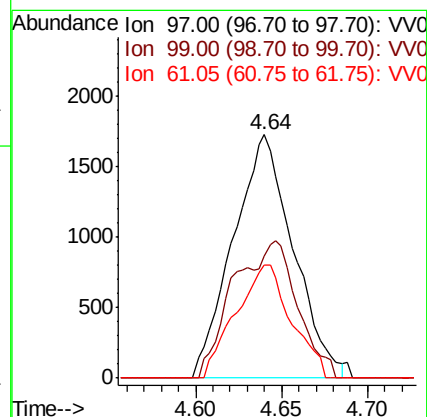
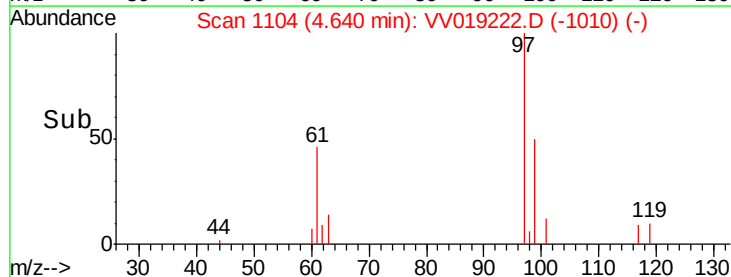
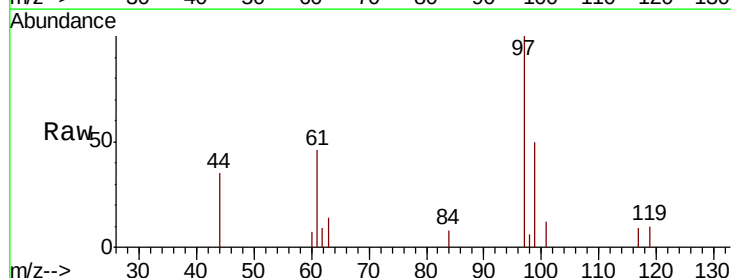
Tgt Ion: 97 Resp: 4186

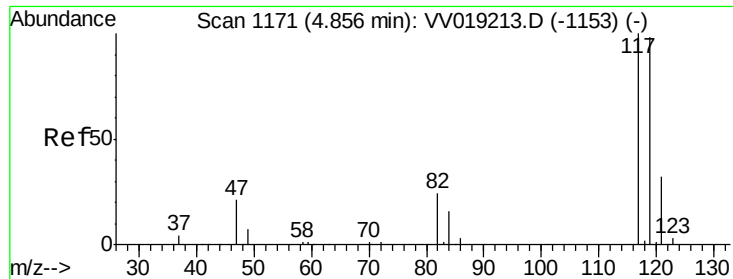
Ion Ratio Lower Upper

97 100

99 32.3 52.0 78.0#

61 42.9 35.3 52.9





#31

Carbon tetrachloride

Concen: 1.398 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

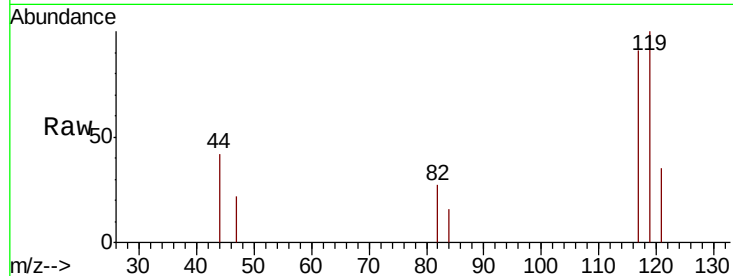
MDL-ME-SOIL-03

Tot Ion:117 Resp: 3039

Ion Ratio Lower Upper

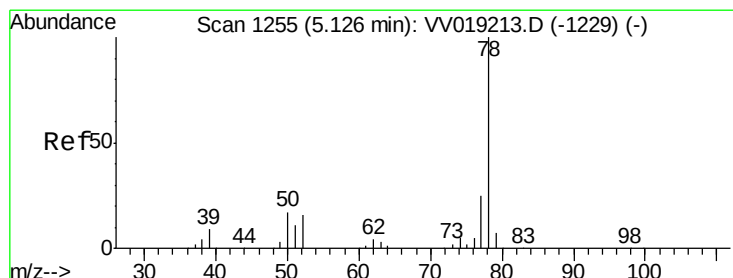
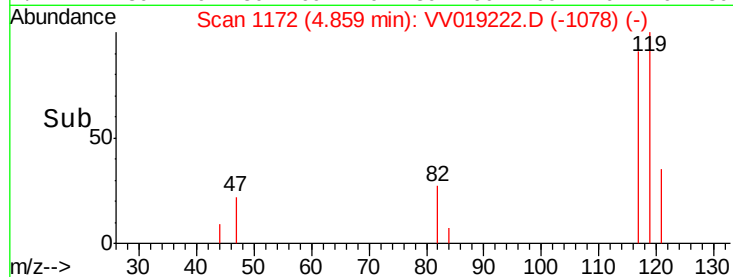
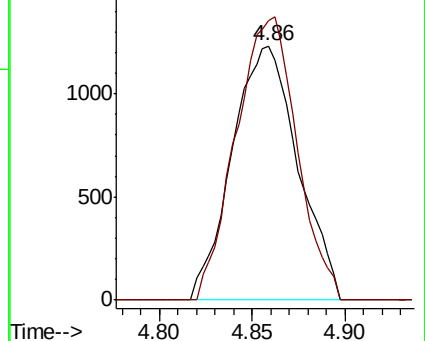
117 100

119 103.4 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 1.552 ug/L

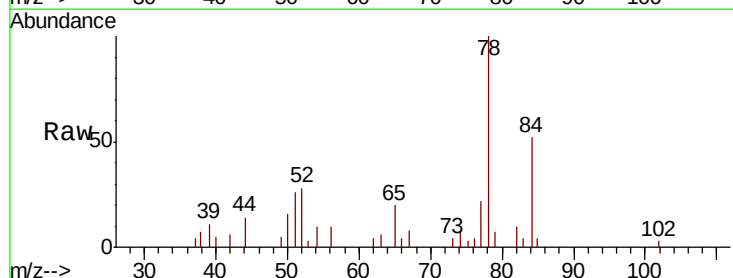
RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

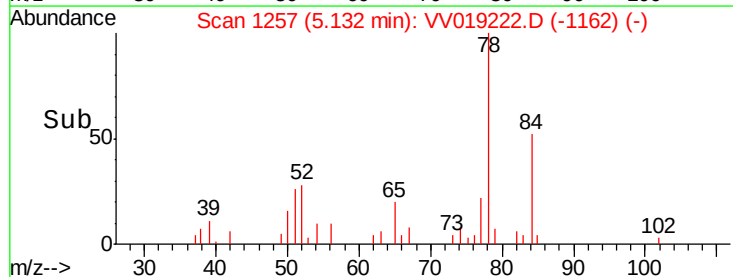
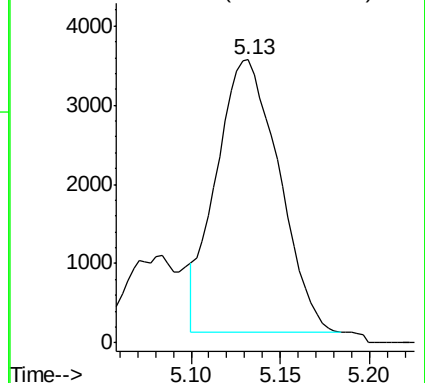
Lab File: VV019222.D

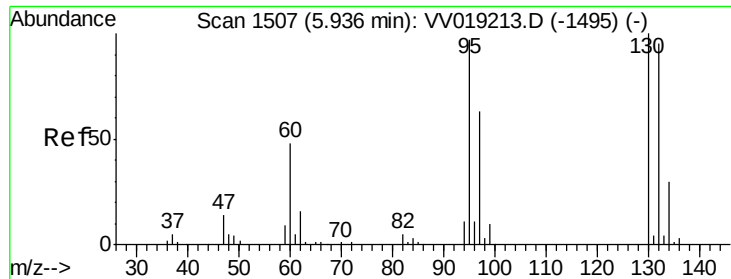
Acq: 03 Nov 2020 01:17

Tgt Ion: 78 Resp: 8374



Abundance Ion 78.00 (77.70 to 78.70): VV0

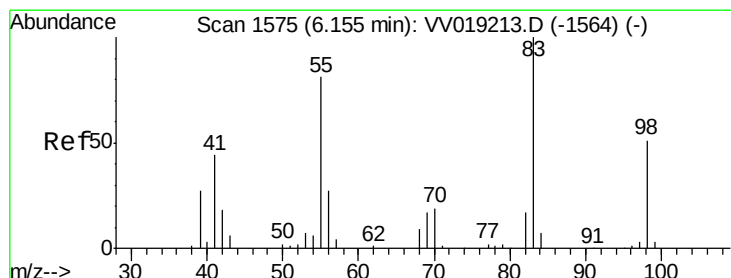
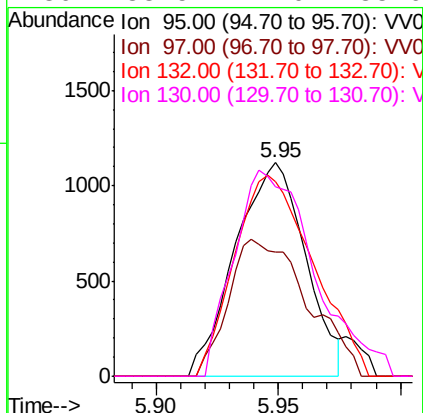
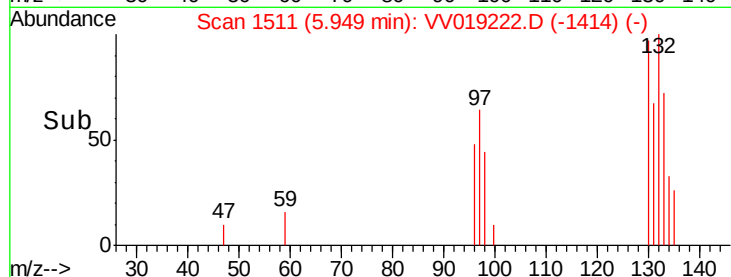
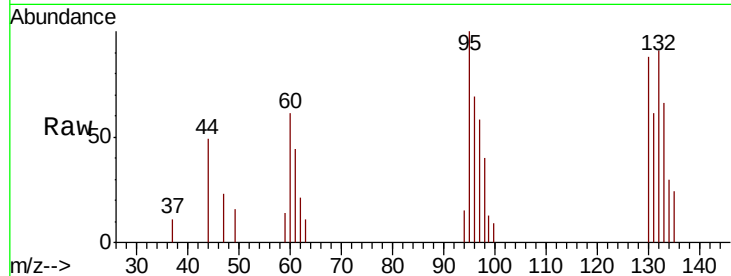




#34
 Trichloroethene
 Concen: 1.523 ug/L
 RT: 5.95 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

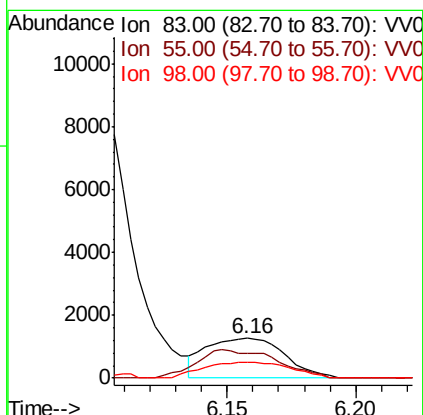
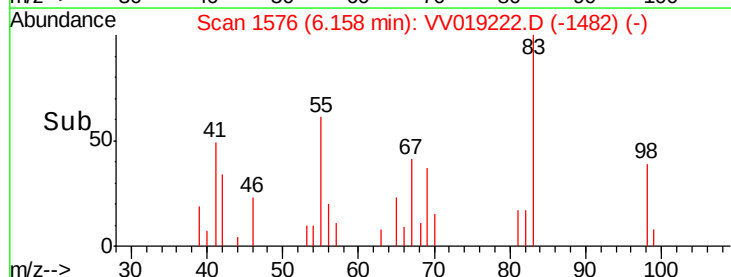
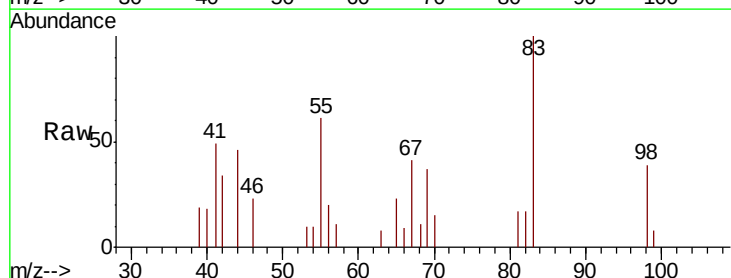
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

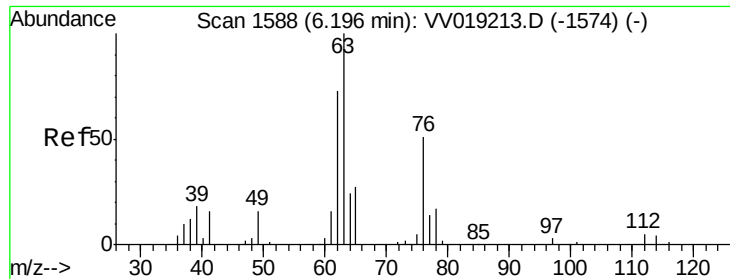
Tot Ion: 95 Resp: 2234
 Ion Ratio Lower Upper
 95 100
 97 58.2 45.4 84.4
 132 91.3 68.5 127.3
 130 88.5 72.0 133.6



#35
 Methylcyclohexane
 Concen: 1.523 ug/L
 RT: 6.16 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion: 83 Resp: 2703
 Ion Ratio Lower Upper
 83 100
 55 44.5 62.8 94.2#
 98 43.8 38.6 58.0

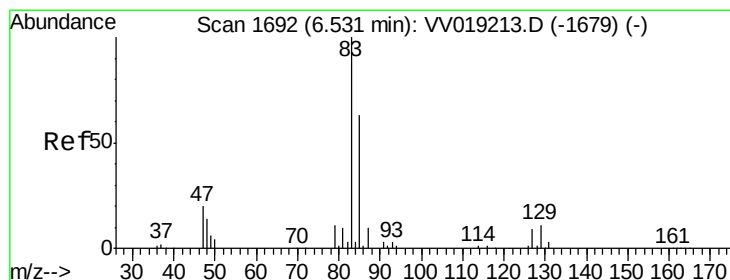
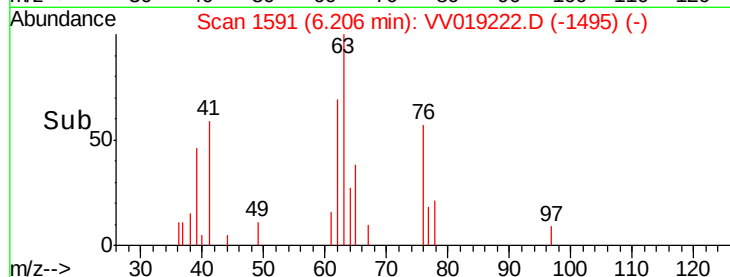
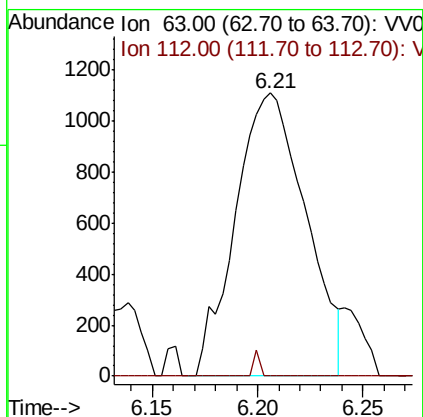
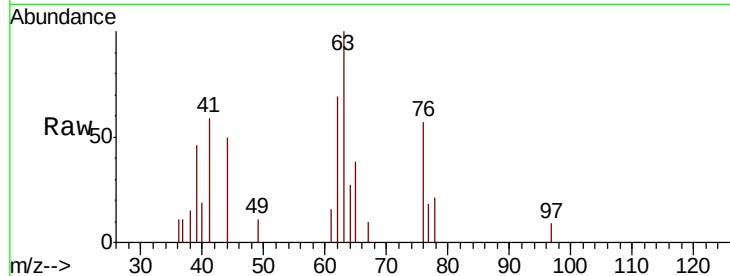




#37
 1,2-Dichloropropane
 Concen: 1.785 ug/L
 RT: 6.21 min Scan# 1591
 Delta R.T. 0.01 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

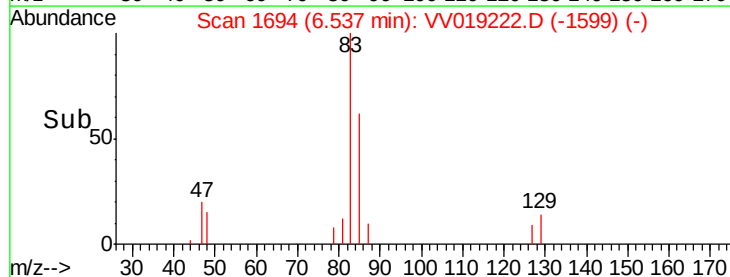
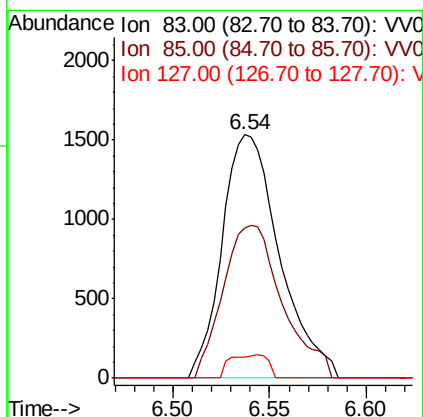
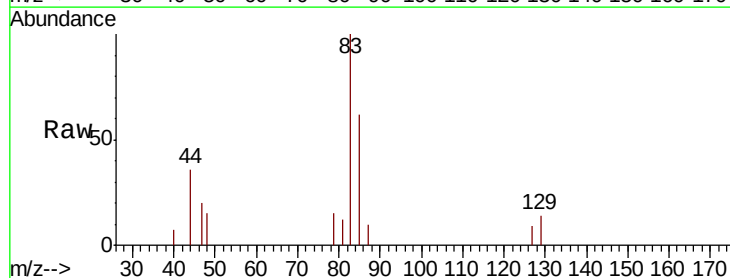
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

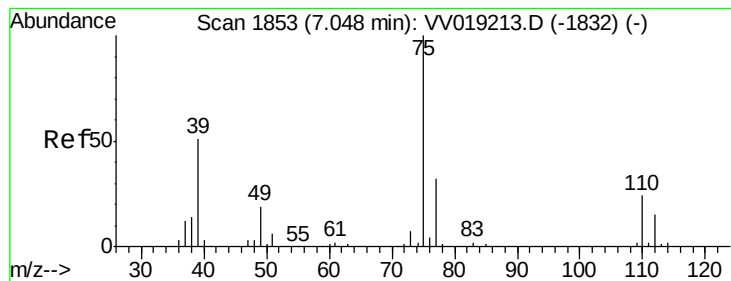
Tot Ion: 63 Resp: 2571
 Ion Ratio Lower Upper
 63 100
 112 0.0 4.2 6.2#



#38
 Bromodichloromethane
 Concen: 1.530 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion: 83 Resp: 3171
 Ion Ratio Lower Upper
 83 100
 85 61.9 44.0 81.8
 127 8.7 7.3 10.9



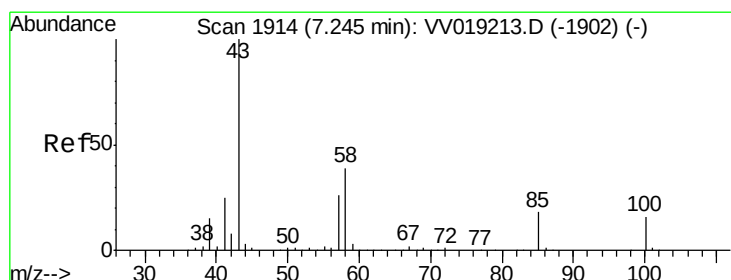
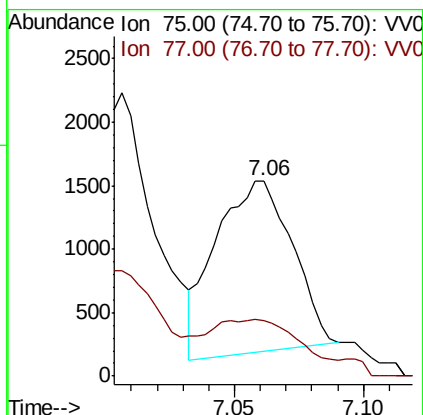
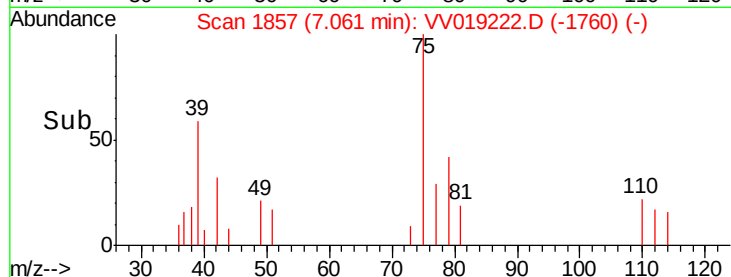
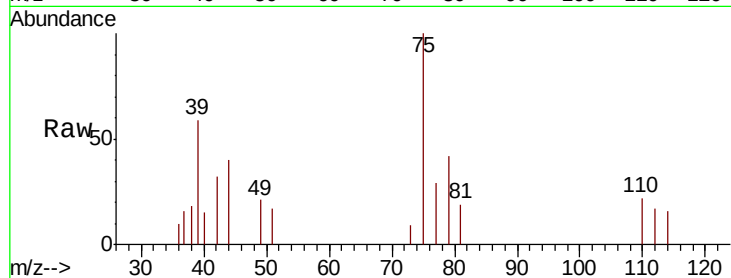


#39

cis-1,3-Dichloropropene
Concen: 1.216 ug/L
RT: 7.06 min Scan# 1857
Delta R.T. 0.01 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-03

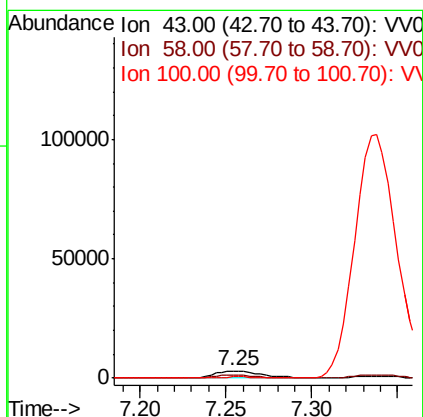
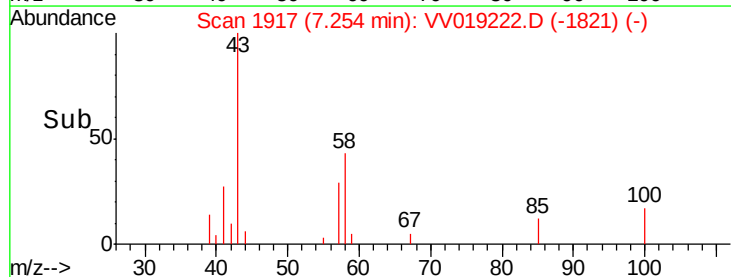
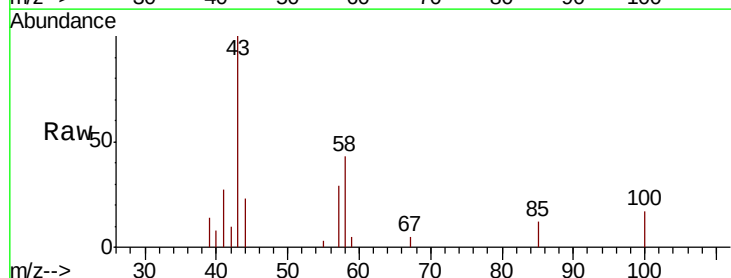
Tot Ion: 75 Resp: 2803
Ion Ratio Lower Upper
75 100
77 28.5 22.2 41.2

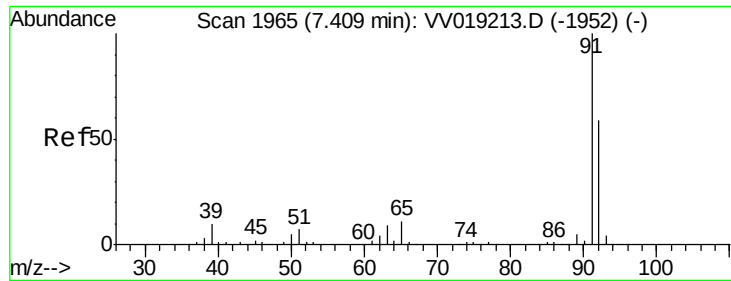


#40

4-Methyl-2-pentanone
Concen: 3.162 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.01 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Tgt Ion: 43 Resp: 6119
Ion Ratio Lower Upper
43 100
58 36.9 30.5 45.7
100 13.1 12.7 19.1





#42

Toluene

Concen: 1.857 ug/L

RT: 7.41 min Scan# 1967

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

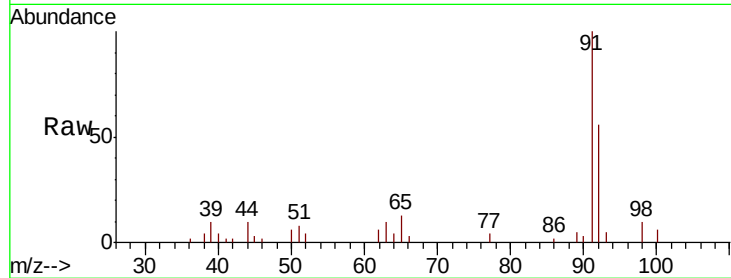
MDL-ME-SOIL-03

Tot Ion: 91 Resp: 10835

Ion Ratio Lower Upper

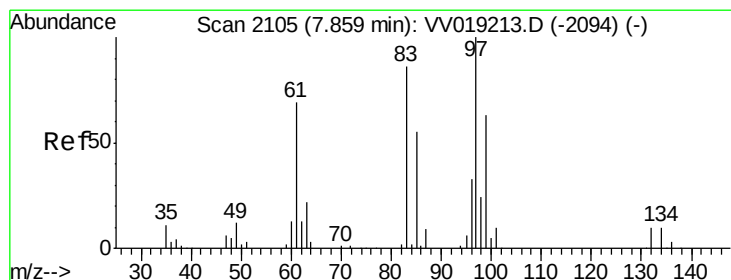
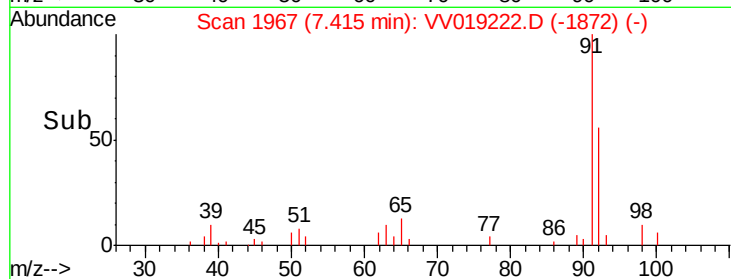
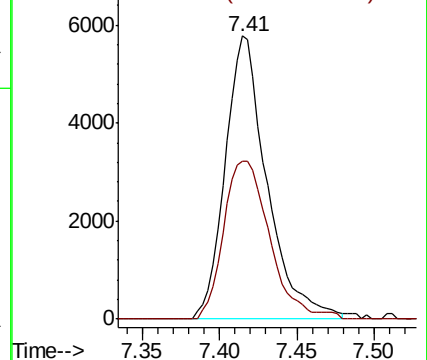
91 100

92 55.8 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#45

1,1,2-Trichloroethane

Concen: 1.574 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Tgt Ion: 97 Resp: 2241

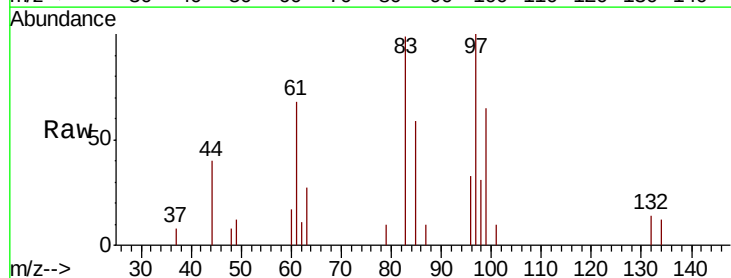
Ion Ratio Lower Upper

97 100

99 64.8 45.1 83.9

83 99.4 57.6 107.0

85 59.4 37.8 70.2

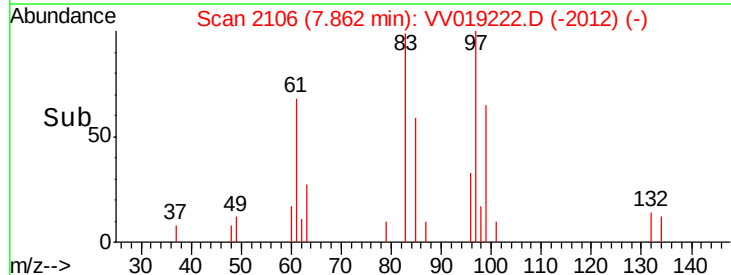
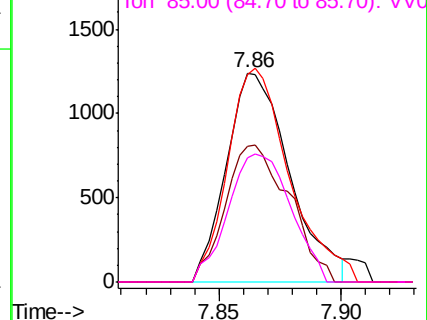


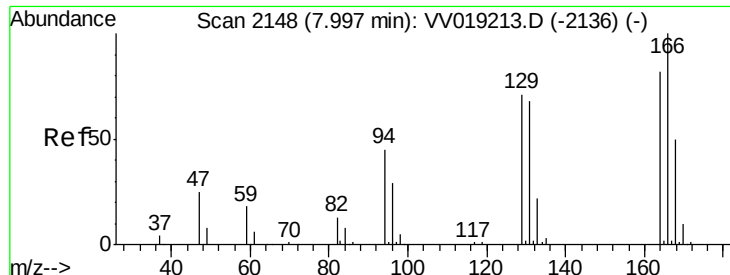
Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0





#46

Tetrachloroethene

Concen: 1.579 ug/L

RT: 8.00 min Scan# 2149

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

Tot Ion:164 Resp: 1890

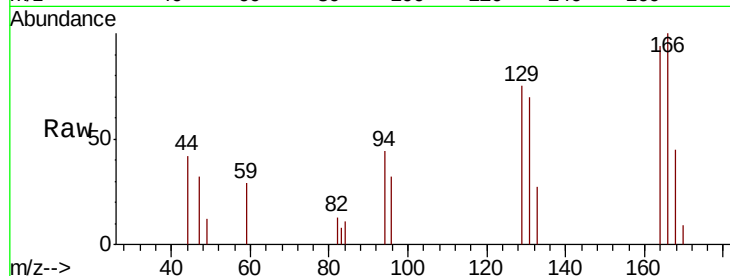
Ion Ratio Lower Upper

164 100

129 80.0 62.6 116.3

131 74.4 59.0 109.6

166 106.7 88.0 163.4

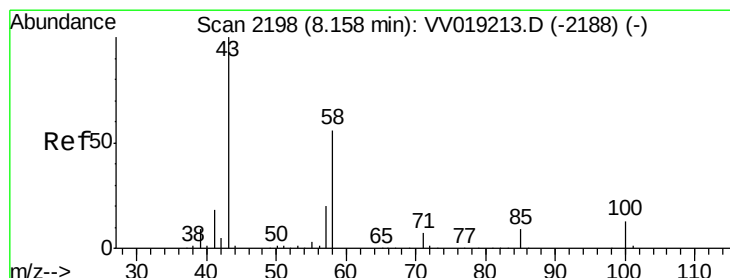
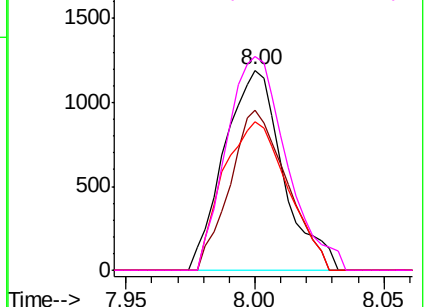
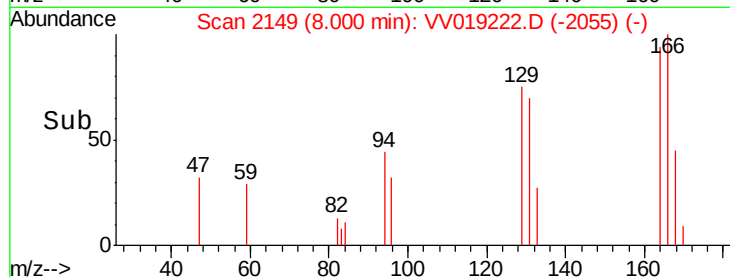


Abundance Ion 164.00 (163.70 to 164.70): V

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: 4.338 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Tgt Ion: 43 Resp: 6345

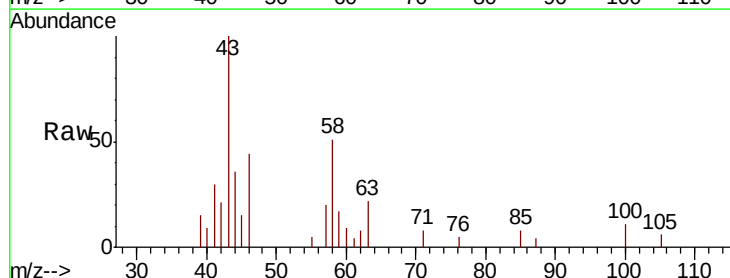
Ion Ratio Lower Upper

43 100

58 53.6 42.6 63.8

57 19.7 15.8 23.8

100 12.9 10.4 15.6

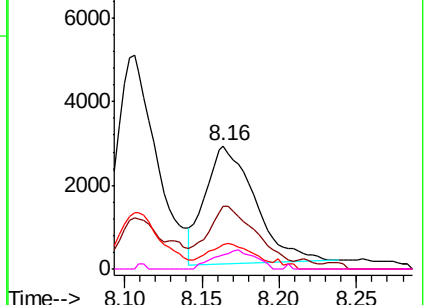
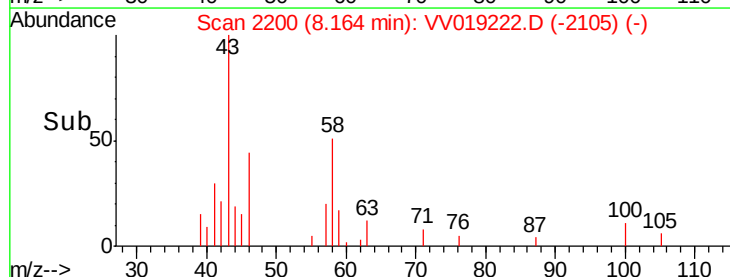


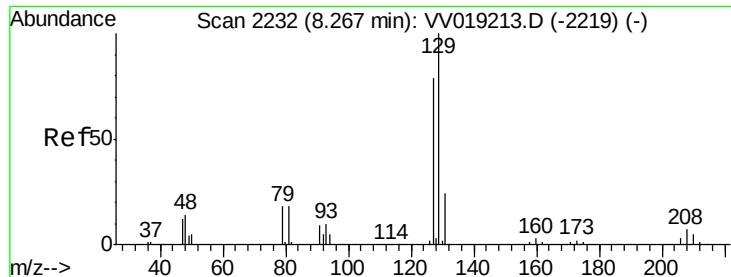
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 1.619 ug/L

RT: 8.27 min Scan# 2233

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

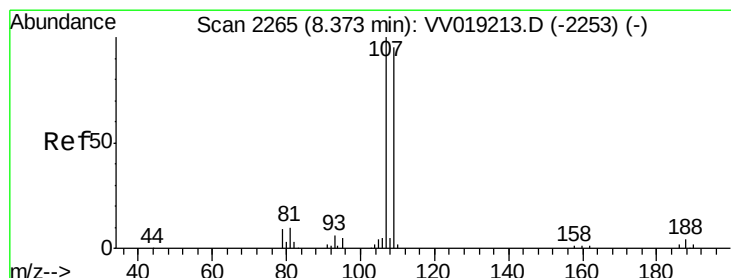
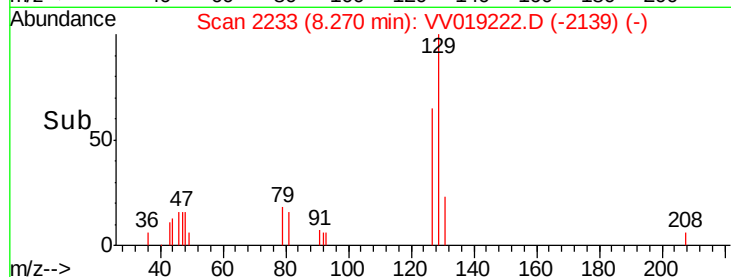
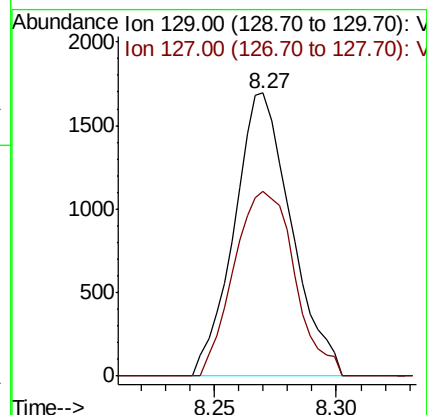
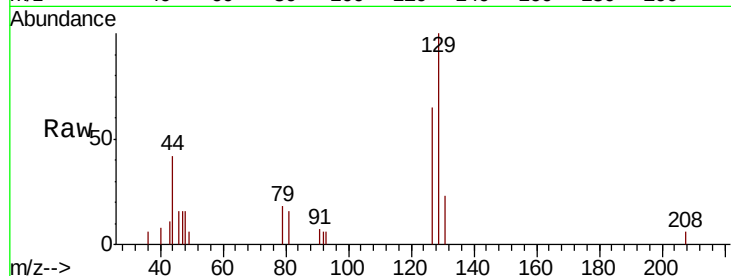
MDL-ME-SOIL-03

Tot Ion:129 Resp: 2748

Ion Ratio Lower Upper

129 100

127 65.4 54.4 101.0



#50

1,2-Dibromoethane

Concen: 1.589 ug/L

RT: 8.38 min Scan# 2267

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

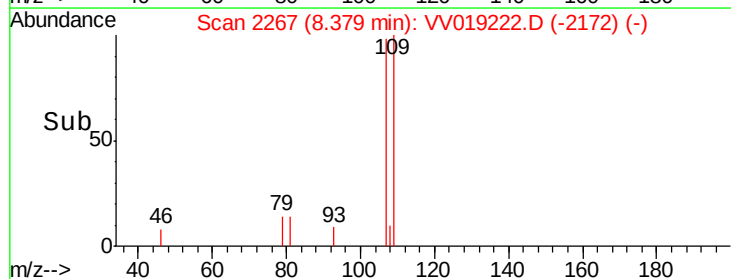
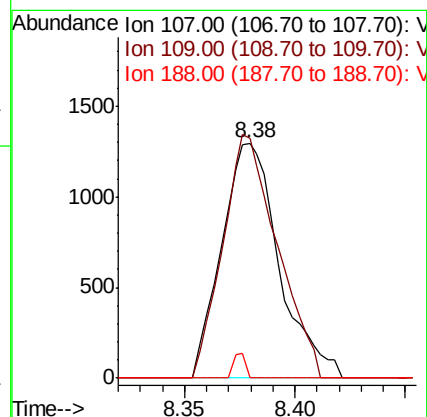
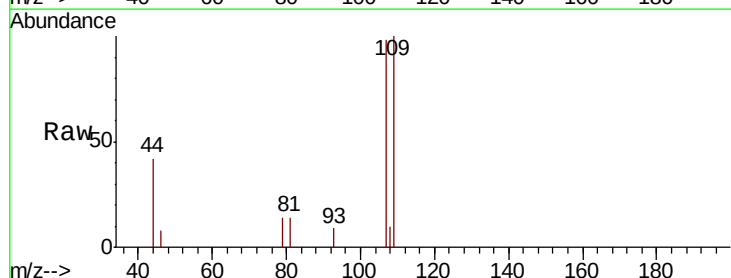
Tgt Ion:107 Resp: 2344

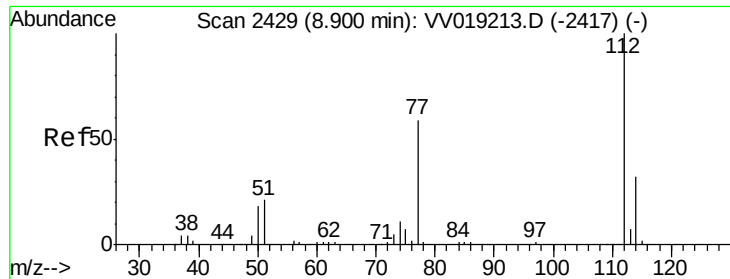
Ion Ratio Lower Upper

107 100

109 101.8 64.8 120.4

188 0.0 3.8 5.8#





#51

Chlorobenzene

Concen: 1.706 ug/L

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

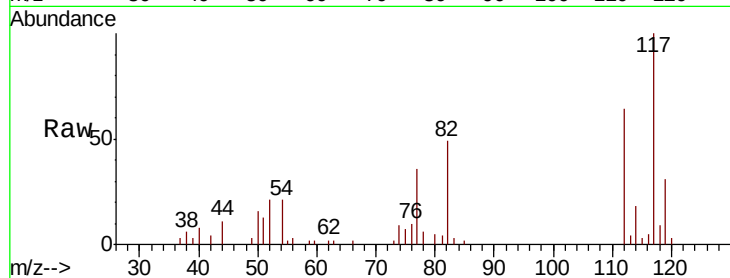
Tot Ion:112 Resp: 6658

Ion Ratio Lower Upper

112 100

114 29.1 22.7 42.1

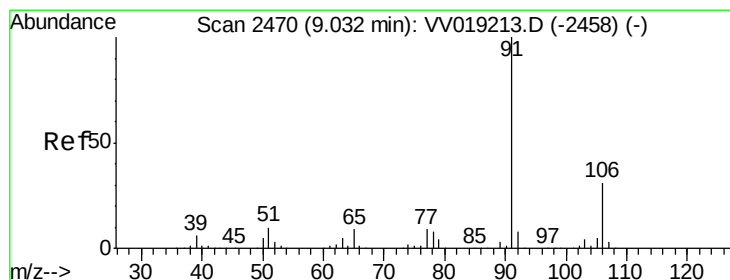
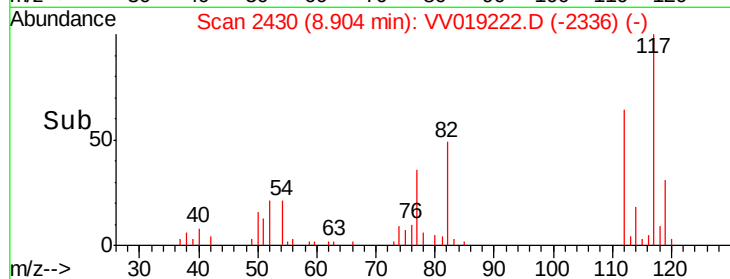
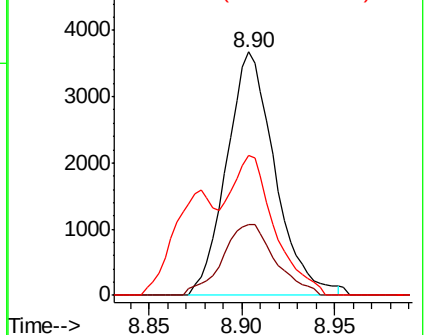
77 57.3 47.3 70.9



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: 1.450 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV019222.D

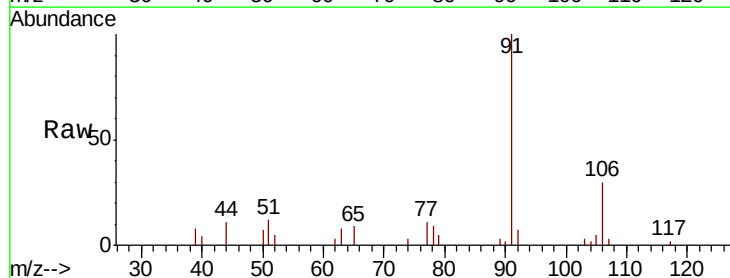
Acq: 03 Nov 2020 01:17

Tgt Ion: 91 Resp: 9333

Ion Ratio Lower Upper

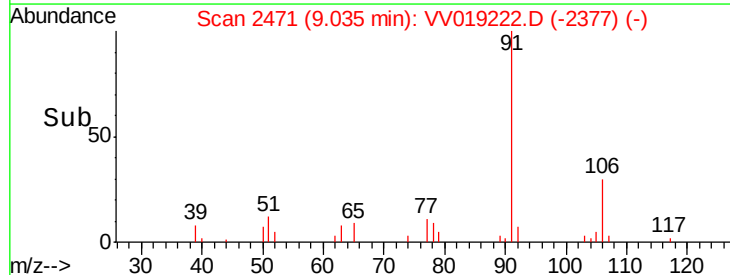
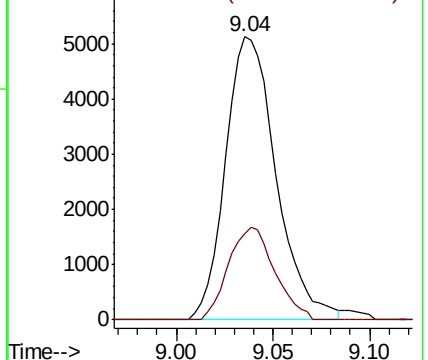
91 100

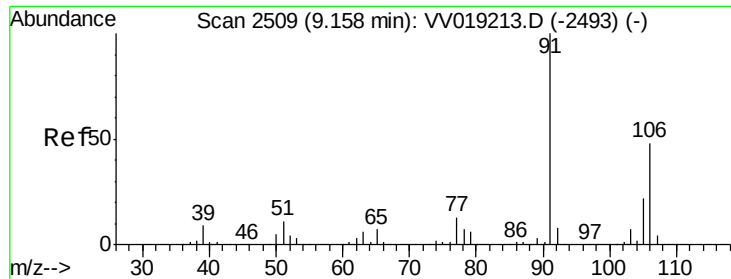
106 30.3 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

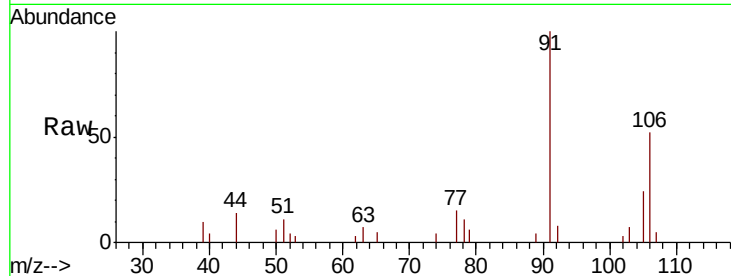




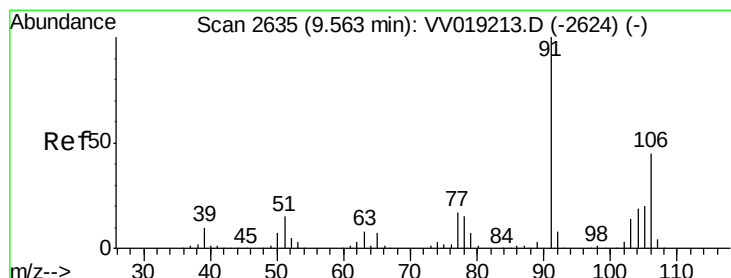
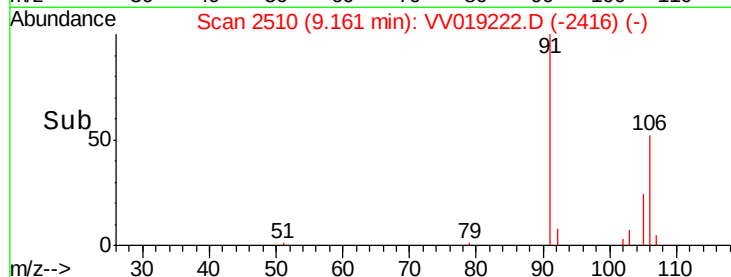
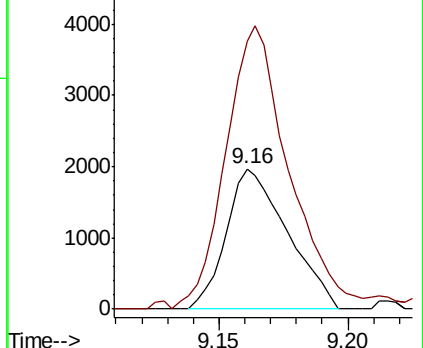
#53
m,p-Xylene
Concen: 1.349 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. 0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-03

Tot Ion:106 Resp: 3251
Ion Ratio Lower Upper
106 100
91 191.2 147.2 273.4

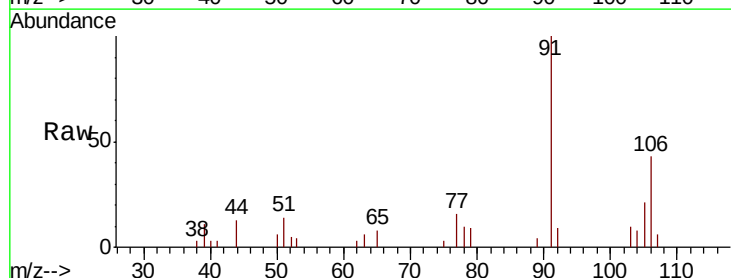


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

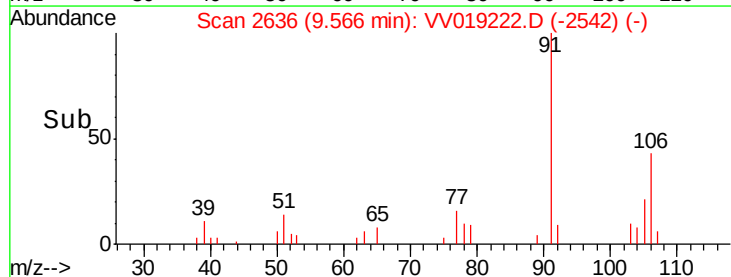
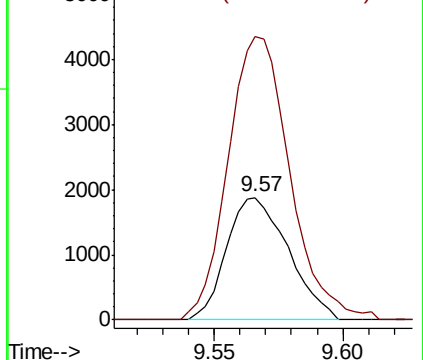


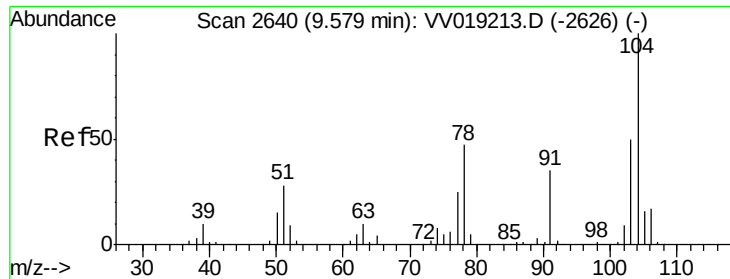
#54
o-Xylene
Concen: 1.324 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV019222.D
Acq: 03 Nov 2020 01:17

Tgt Ion:106 Resp: 3144
Ion Ratio Lower Upper
106 100
91 231.8 151.6 281.6



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





#55

Stvrene

Concen: 1.331 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

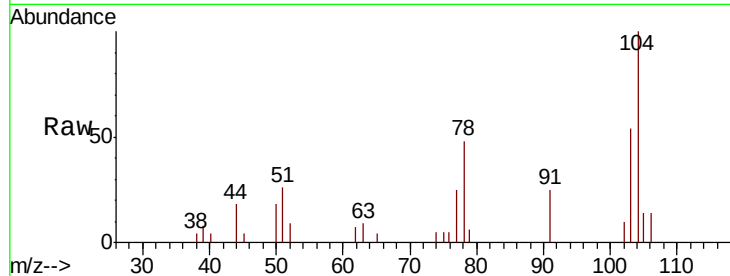
MDL-ME-SOIL-03

Tot Ion:104 Resp: 5625

Ion Ratio Lower Upper

104 100

78 48.5 32.6 60.5



Abundance Ion 104.00 (103.70 to 104.70): VV019213.D (-2626) (-)

Ion 78.00 (77.70 to 78.70): VV019213.D (-2626) (-)

9.59

3000

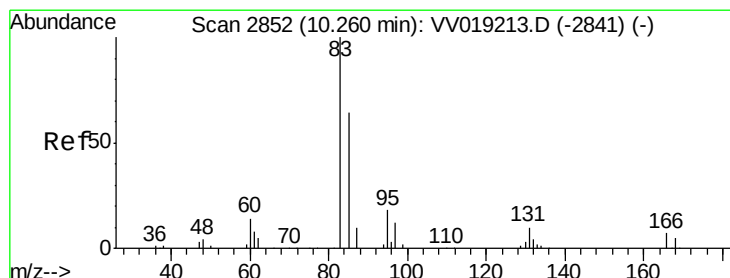
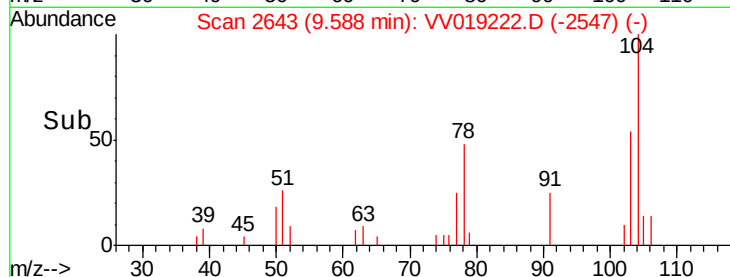
2000

1000

0

9.55 9.60 9.65

Time-->



#57

1,1,2,2-Tetrachloroethane

Concen: 1.691 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

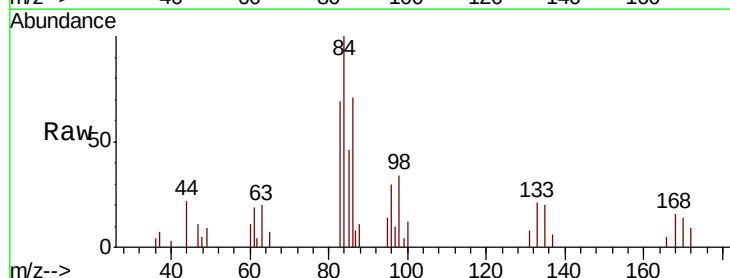
Tgt Ion: 83 Resp: 3641

Ion Ratio Lower Upper

83 100

85 66.9 45.0 83.6

131 11.5 8.9 13.3



Abundance Ion 83.00 (82.70 to 83.70): VV019213.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV019213.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV019213.D (-2841) (-)

10.26

3000

2500

2000

1500

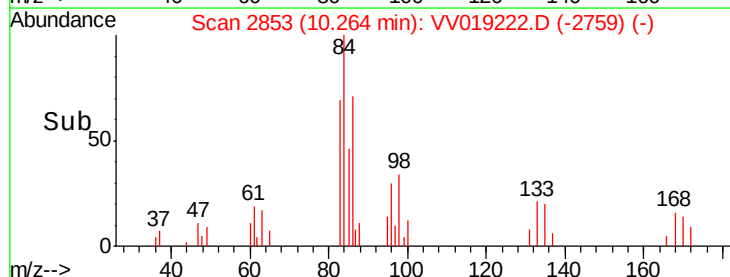
1000

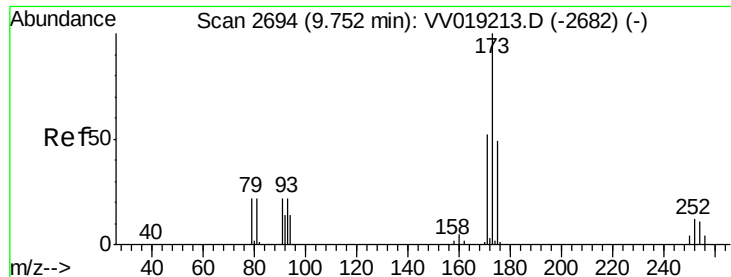
500

0

10.25 10.30

Time-->





#59

Bromoform

Concen: 1.620 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

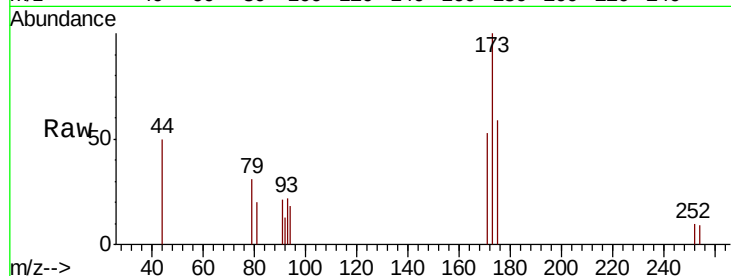
Tot Ion:173 Resp: 1918

Ion Ratio Lower Upper

173 100

175 48.9 38.4 57.6

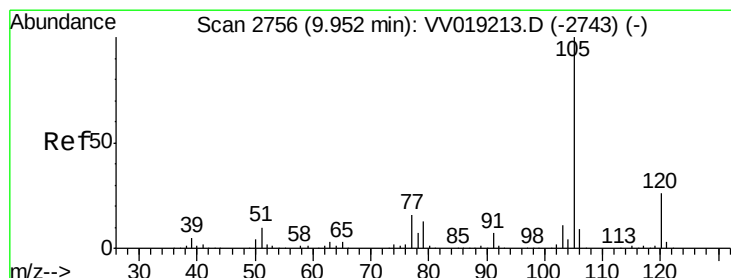
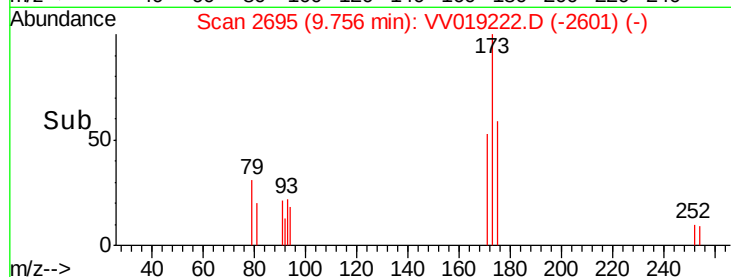
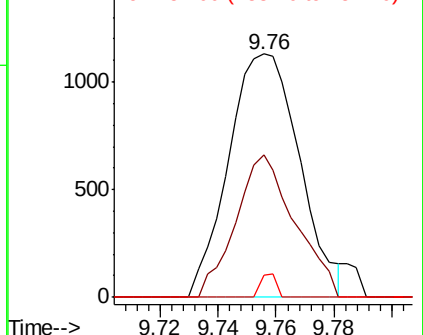
254 2.1 9.0 13.6#



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: 1.423 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

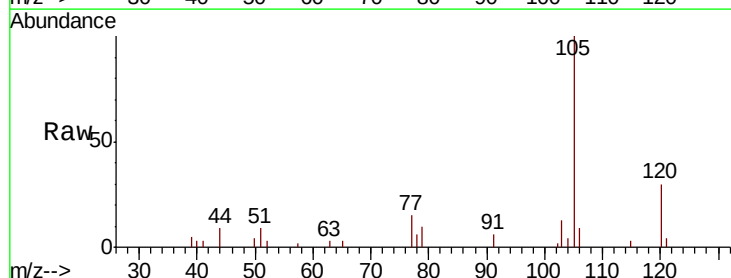
Tgt Ion:105 Resp: 7955

Ion Ratio Lower Upper

105 100

120 28.5 21.0 31.4

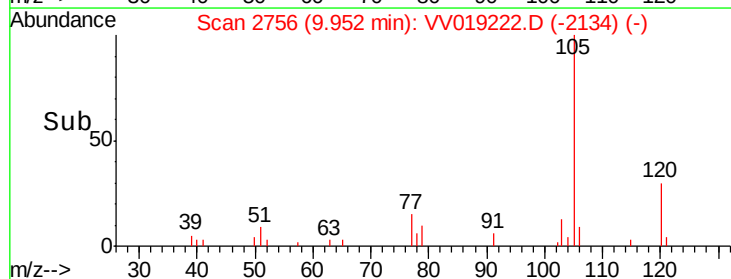
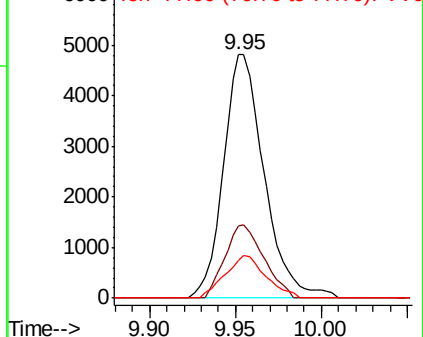
77 17.4 13.0 19.6

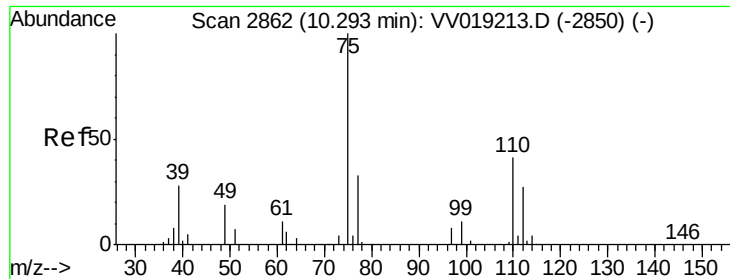


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): VV0

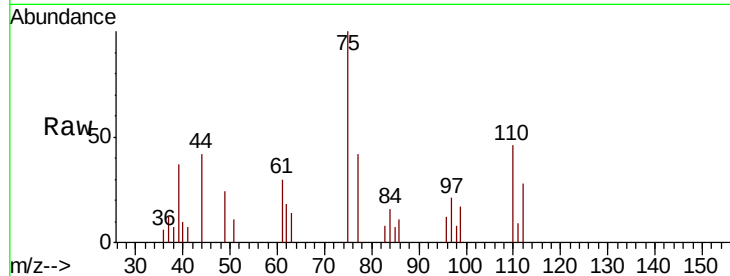




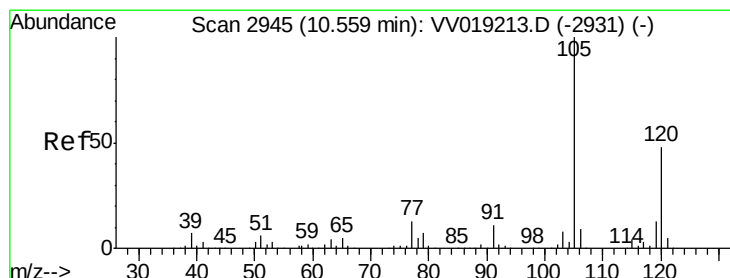
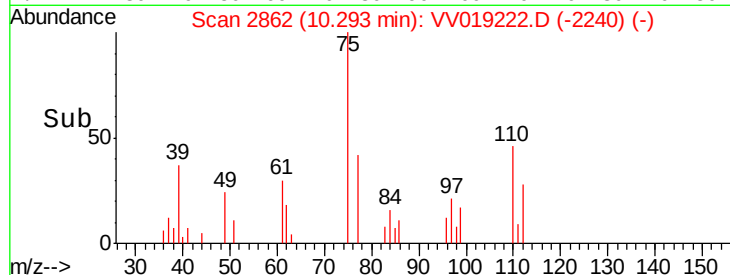
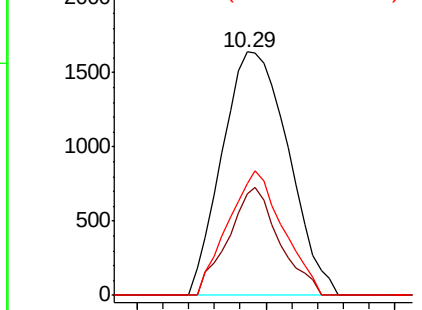
#61
 1,2,3-Trichloropropane
 Concen: 1.771 ug/L
 RT: 10.29 min Scan# 2862
 Delta R.T. -0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

Tot Ion: 75 Resp: 2935
 Ion Ratio Lower Upper
 75 100
 77 34.1 24.8 37.2
 110 42.4 33.4 50.2

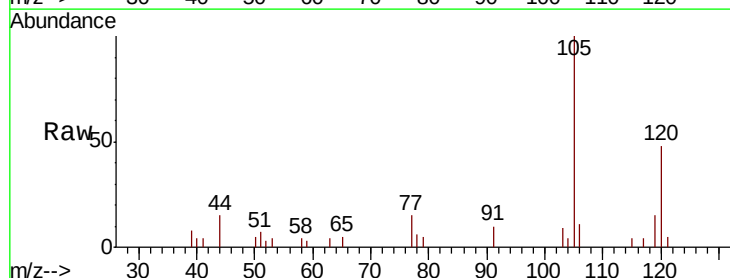


Abundance Ion 75.00 (74.70 to 75.70): VV0
 Ion 77.00 (76.70 to 77.70): VV0
 Ion 110.00 (109.70 to 110.70): V

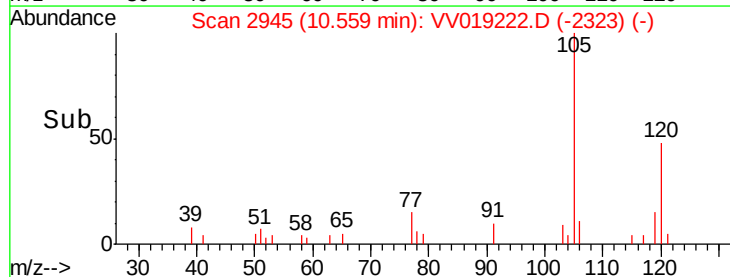
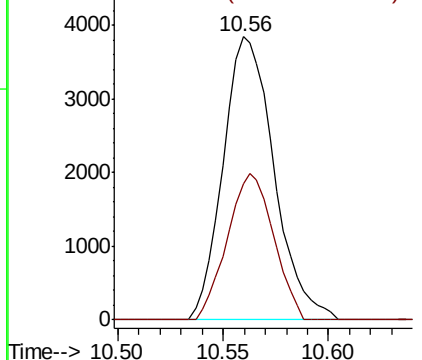


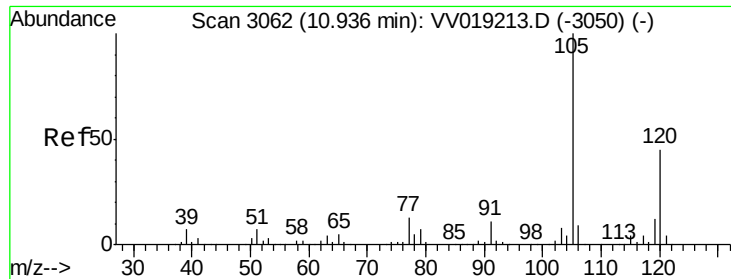
#62
 1,3,5-Trimethylbenzene
 Concen: 1.384 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion: 105 Resp: 6446
 Ion Ratio Lower Upper
 105 100
 120 46.9 38.3 57.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V

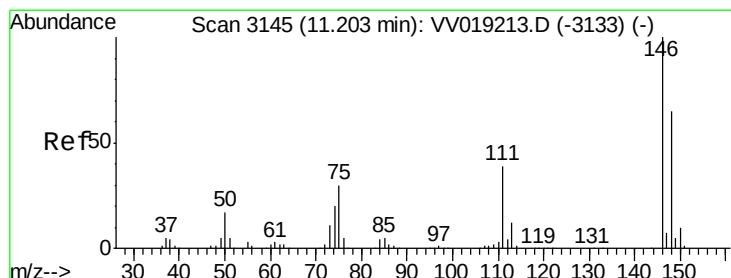
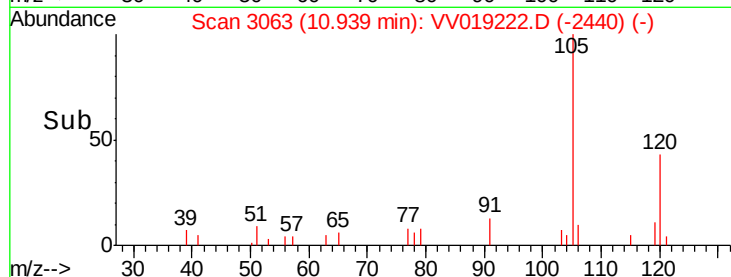
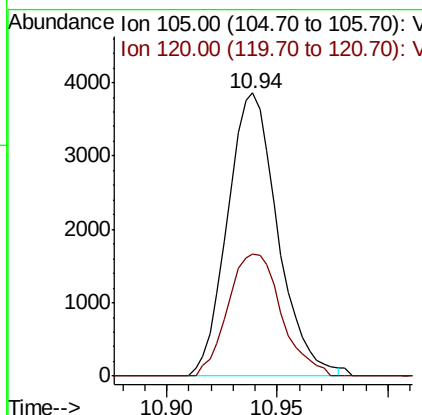
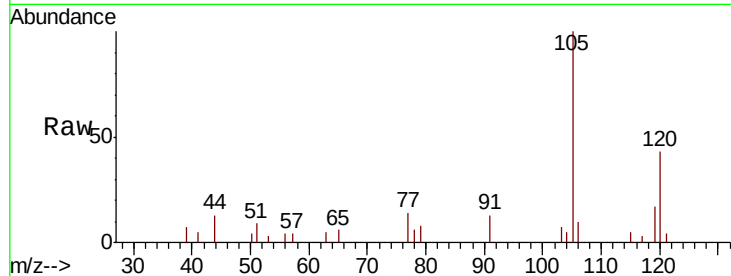




#63
 1,2,4-Trimethylbenzene
 Concen: 1.338 ug/L
 RT: 10.94 min Scan# 3063
 Delta R.T. 0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

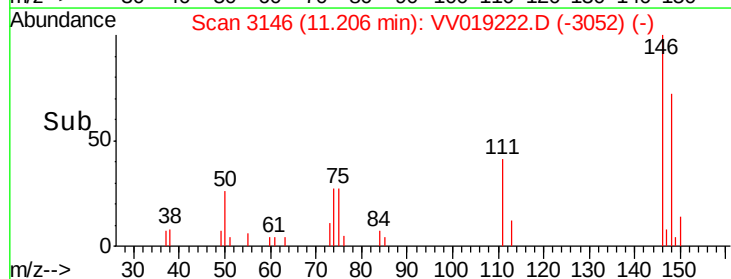
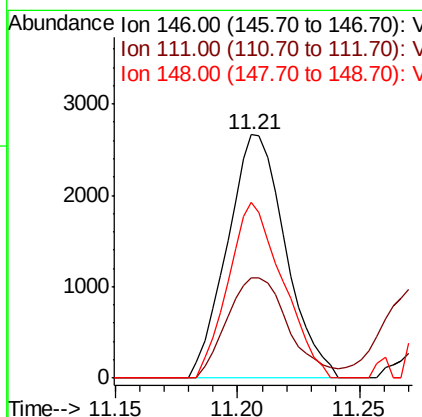
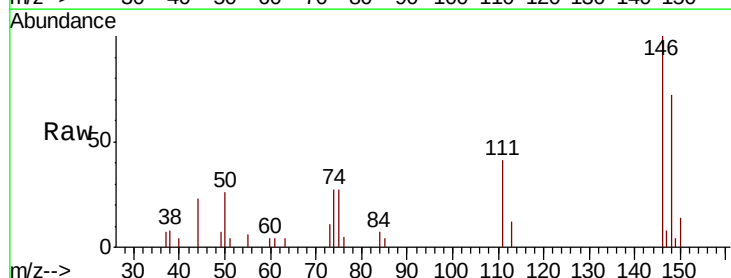
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

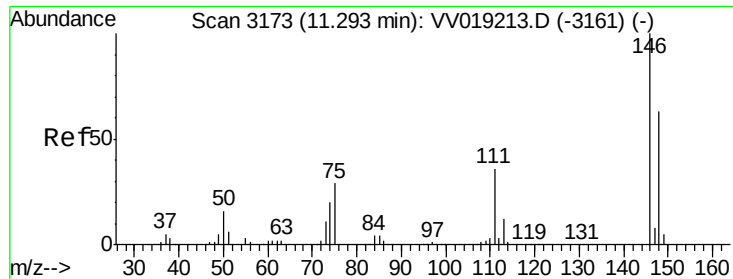
Tot Ion:105 Resp: 6098
 Ion Ratio Lower Upper
 105 100
 120 45.7 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 1.507 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion:146 Resp: 4407
 Ion Ratio Lower Upper
 146 100
 111 41.0 27.3 50.7
 148 72.4 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 1.784 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

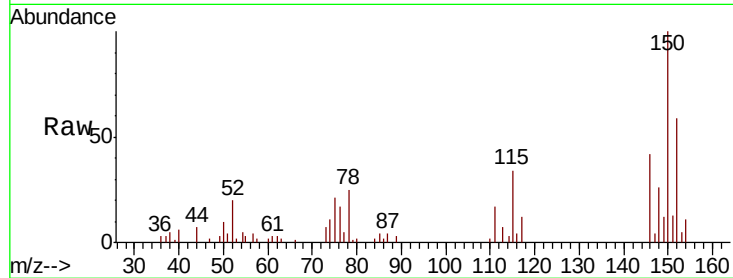
Tot Ion:146 Resp: 5398

Ion Ratio Lower Upper

146 100

111 39.0 25.9 48.1

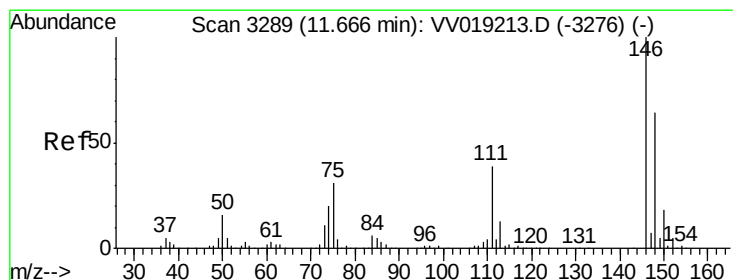
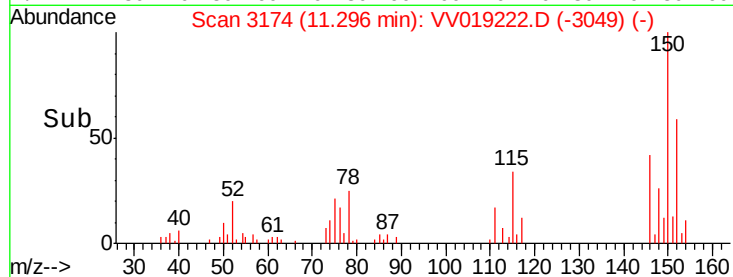
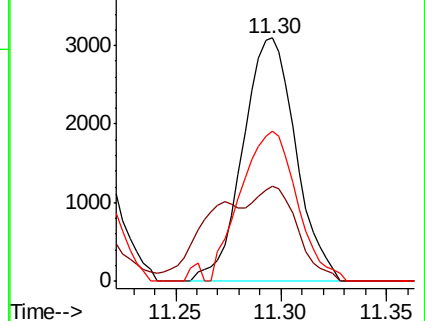
148 61.4 44.9 83.5



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



#67

1,2-Dichlorobenzene

Concen: 1.769 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

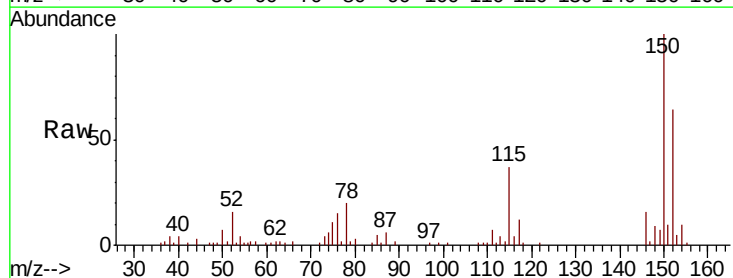
Tgt Ion:146 Resp: 5292

Ion Ratio Lower Upper

146 100

111 45.6 32.6 48.8

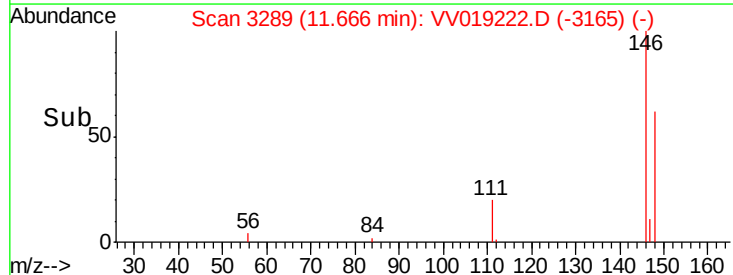
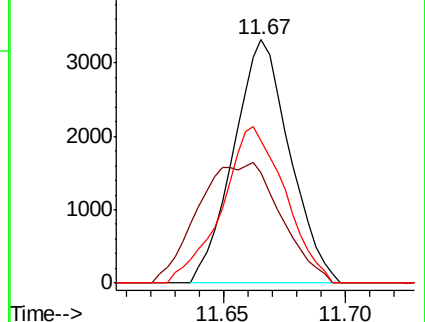
148 58.5 50.1 75.1

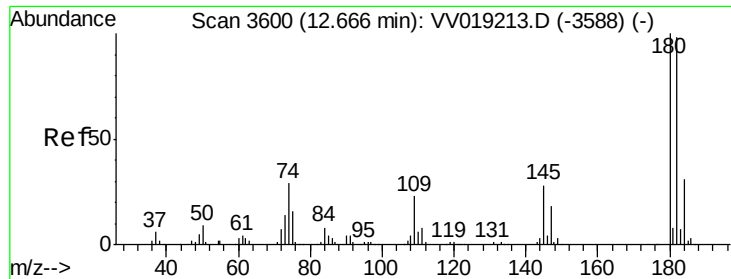


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

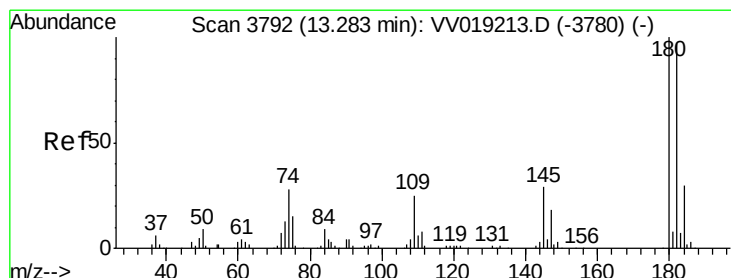
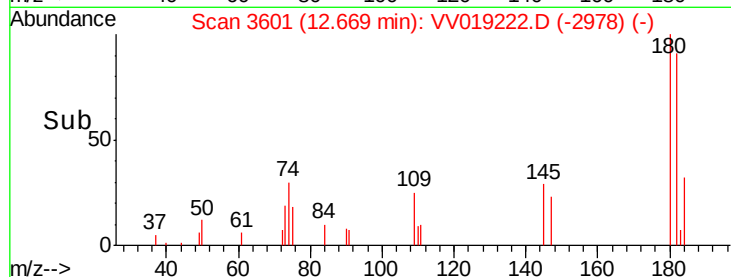
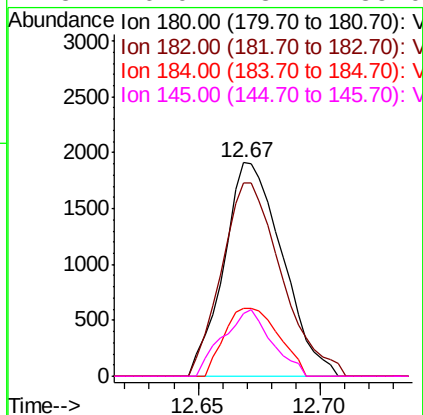
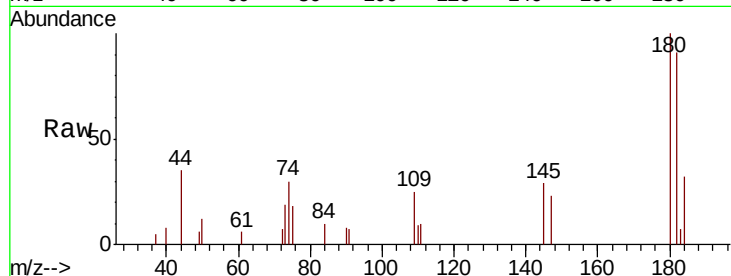




#69
 1,3,5-Trichlorobenzene
 Concen: 1.520 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

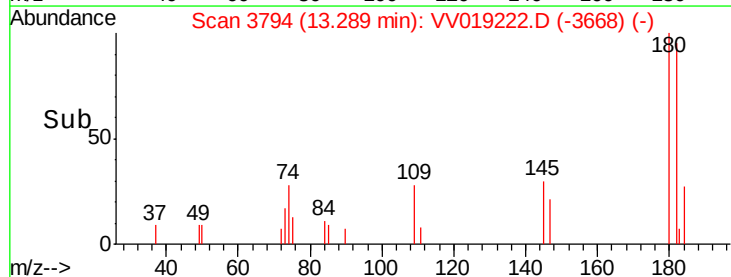
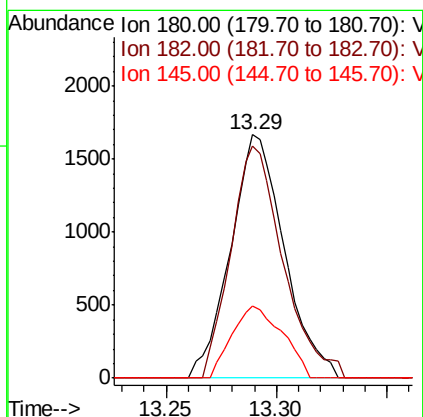
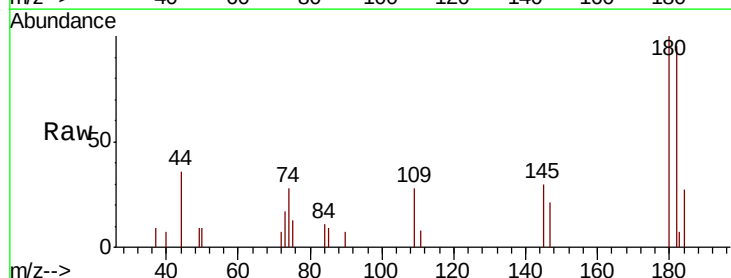
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-03

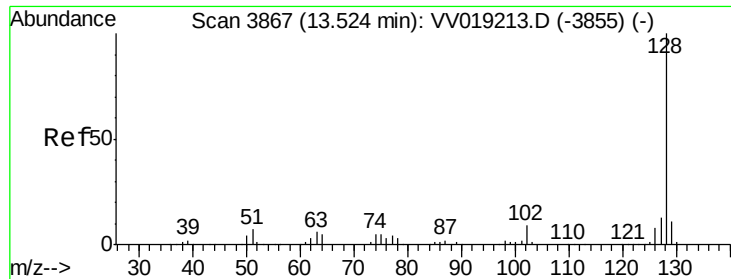
Tot Ion:180 Resp: 3191
 Ion Ratio Lower Upper
 180 100
 182 92.7 77.7 116.5
 184 29.4 24.9 37.3
 145 26.0 23.4 35.0



#70
 1,2,4-trichlorobenzene
 Concen: 1.429 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV019222.D
 Acq: 03 Nov 2020 01:17

Tgt Ion:180 Resp: 2823
 Ion Ratio Lower Upper
 180 100
 182 91.7 76.6 114.8
 145 27.8 23.2 34.8





#71

Naphthalene

Concen: 1.009 ug/L

RT: 13.53 min Scan# 3870

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-03

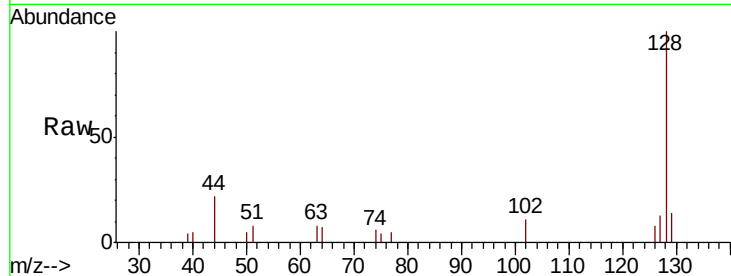
Tot Ion:128 Resp: 5620

Ion Ratio Lower Upper

128 100

127 14.2 10.7 16.1

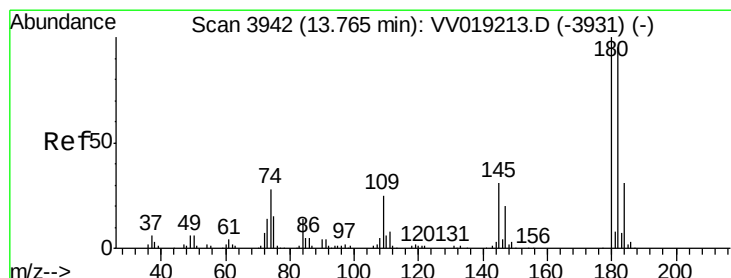
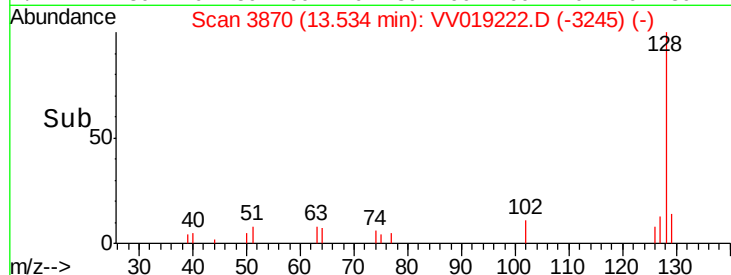
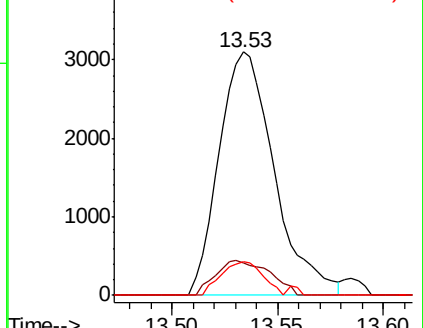
129 10.5 8.6 13.0



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: 1.390 ug/L

RT: 13.77 min Scan# 3944

Delta R.T. 0.01 min

Lab File: VV019222.D

Acq: 03 Nov 2020 01:17

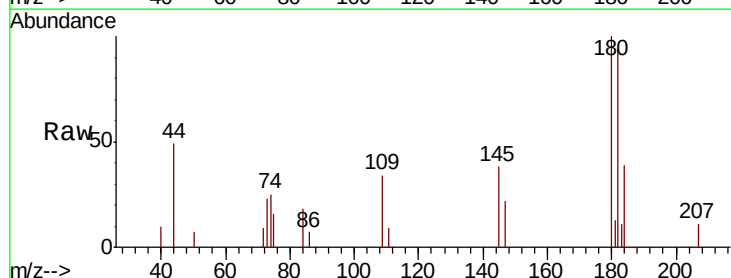
Tgt Ion:180 Resp: 2721

Ion Ratio Lower Upper

180 100

182 96.6 77.4 116.0

145 33.8 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

