

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV110920\
 Data File : VV019309.D
 Acq On : 09 Nov 2020 17:59
 Operator : SY/MD
 Sample : L4485-19
 Misc : 5.0µL/5.0mL/100µL/5.0mL/MSVOA_V/MEOH
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-05

Quant Time: Nov 10 07:07:33 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM110320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Nov 10 06:58:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	246858	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	238913	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	118118	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	73092	38.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	76.74%
7) Chloroethane-d5	1.58	69	67849	45.45	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	90.90%
11) 1,1-Dichloroethene-d2	2.12	63	122333	34.68	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	69.36%
21) 2-Butanone-d5	3.92	46	127317	121.20	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	121.20%
24) Chloroform-d	4.37	84	163680	45.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.82%
26) 1,2-Dichloroethane-d4	5.05	65	117948	47.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.96%
32) Benzene-d6	5.07	84	301153	45.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.30%
36) 1,2-Dichloropropane-d6	6.09	67	100019	50.78	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	101.56%
41) Toluene-d8	7.34	98	265440	43.19	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.38%
43) trans-1,3-Dichloropropene-	7.64	79	49067	44.00	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.00%
47) 2-Hexanone-d5	8.11	63	75721	99.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	99.03%
56) 1,1,2,2-Tetrachloroethane-	10.23	84	125813	47.94	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.88%
66) 1,2-Dichlorobenzene-d4	11.65	152	114993	48.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	3721	2.460 ug/L	93
3) Chloromethane	1.25	50	4479	2.844 ug/L	99
5) Vinyl chloride	1.32	62	5064	3.089 ug/L #	76
6) Bromomethane	1.53	94	3214	2.917 ug/L	98
8) Chloroethane	1.60	64	3279	3.059 ug/L	92
9) Trichlorofluoromethane	1.77	101	7326	2.700 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	4710	3.653 ug/L	85
12) 1,1-Dichloroethene	2.13	96	4565	3.425 ug/L #	1
13) Acetone	2.20	43	5886	7.368 ug/L	69
14) Carbon disulfide	2.31	76	9850	2.574 ug/L	96
15) Methyl Acetate	2.46	43	4741	3.063 ug/L #	82
16) Methylene chloride	2.52	84	4704	2.969 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	3717	2.571 ug/L	96
18) Methyl tert-butyl Ether	2.78	73	11991	2.360 ug/L #	93
19) 1,1-Dichloroethane	3.21	63	7572	2.673 ug/L	95
20) cis-1,2-Dichloroethene	3.94	96	4225	2.644 ug/L	89
23) Bromochloromethane	4.28	128	2287	2.600 ug/L	95

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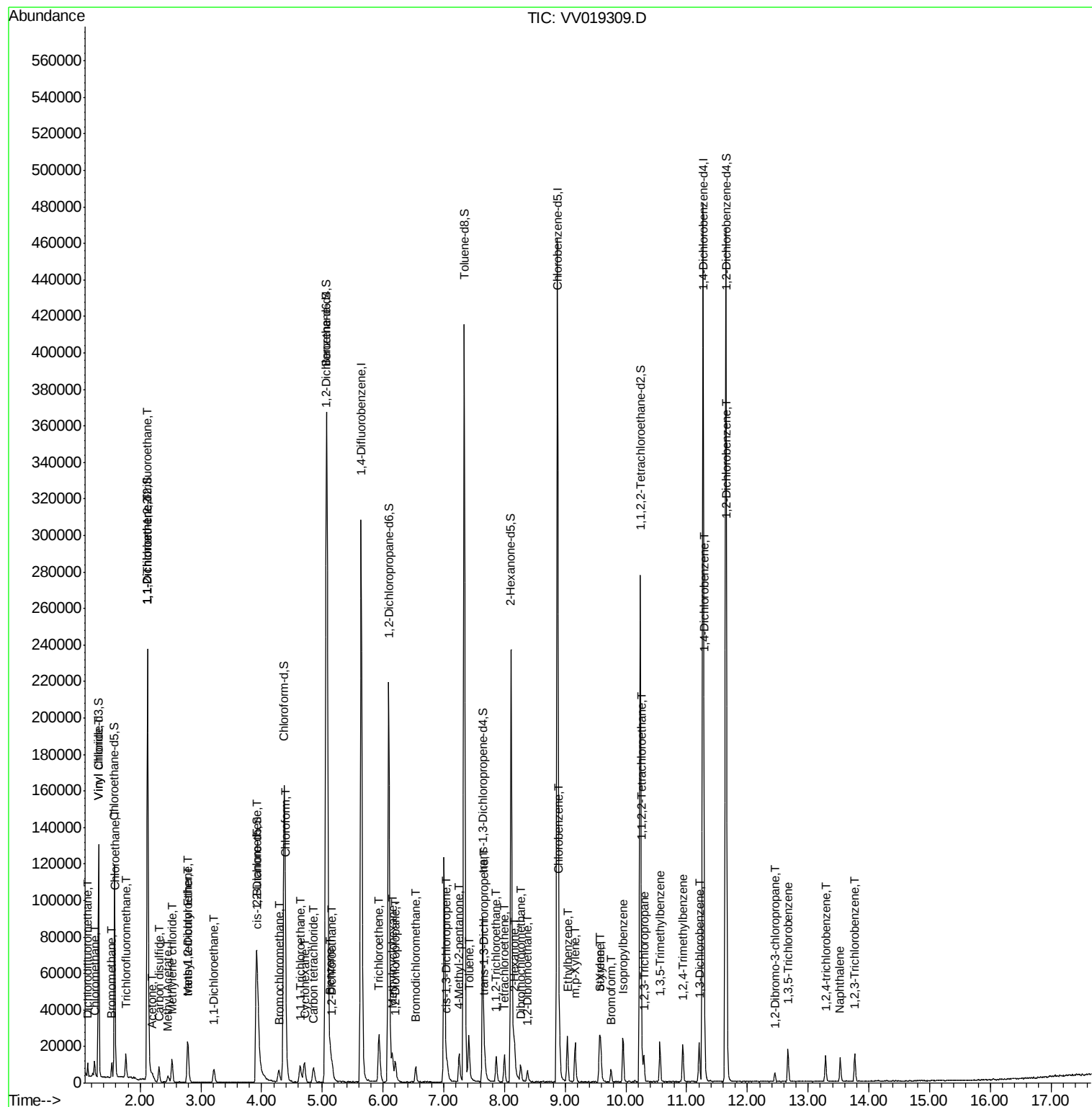
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
25) Chloroform	4.40	83	10132	3.336	ug/L	87
27) 1,2-Dichloroethane	5.16	62	6201	2.402	ug/L	98
29) Cyclohexane	4.71	56	4987	2.439	ug/L	90
30) 1,1,1-Trichloroethane	4.64	97	7296	2.633	ug/L	97
31) Carbon tetrachloride	4.86	117	6281	2.625	ug/L #	51
33) Benzene	5.13	78	15571	2.623	ug/L	100
34) Trichloroethene	5.94	95	4688	2.905	ug/L	94
35) Methylcyclohexane	6.15	83	5335	2.732	ug/L	97
37) 1,2-Dichloropropane	6.20	63	4492	2.835	ug/L #	89
38) Bromodichloromethane	6.53	83	6084	2.668	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	6622	2.612	ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	11380	5.346	ug/L	93
42) Toluene	7.41	91	18920	2.948	ug/L	92
44) trans-1,3-Dichloropropene	7.68	75	6838	2.632	ug/L	97
45) 1,1,2-Trichloroethane	7.86	97	4297	2.744	ug/L	95
46) Tetrachloroethene	8.00	164	3312	2.516	ug/L	99
48) 2-Hexanone	8.16	43	14682	9.123	ug/L #	87
49) Dibromochloromethane	8.27	129	4742	2.539	ug/L	86
50) 1,2-Dibromoethane	8.38	107	4255	2.621	ug/L	86
51) Chlorobenzene	8.90	112	11686	2.722	ug/L	97
52) Ethylbenzene	9.04	91	16627	2.348	ug/L	99
53) m,p-Xylene	9.16	106	6032	2.275	ug/L	97
54) o-Xylene	9.57	106	5719	2.189	ug/L	91
55) Styrene	9.59	104	9693	2.084	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	6533	2.757	ug/L #	88
59) Bromoform	9.76	173	3356	2.560	ug/L #	96
60) Isopropylbenzene	9.95	105	14937	2.413	ug/L	97
61) 1,2,3-Trichloropropane	10.30	75	5822	3.173	ug/L	94
62) 1,3,5-Trimethylbenzene	10.56	105	11812	2.291	ug/L	96
63) 1,2,4-Trimethylbenzene	10.94	105	11174	2.215	ug/L	99
64) 1,3-Dichlorobenzene	11.21	146	8665	2.676	ug/L	96
65) 1,4-Dichlorobenzene	11.29	146	9282	2.771	ug/L	93
67) 1,2-Dichlorobenzene	11.67	146	9511	2.871	ug/L	97
68) 1,2-Dibromo-3-chloropropan	12.45	75	1459	2.725	ug/L	93
69) 1,3,5-Trichlorobenzene	12.67	180	6053	2.604	ug/L	95
70) 1,2,4-trichlorobenzene	13.29	180	4856	2.220	ug/L	96
71) Naphthalene	13.53	128	10368	1.681	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	4837	2.231	ug/L	98

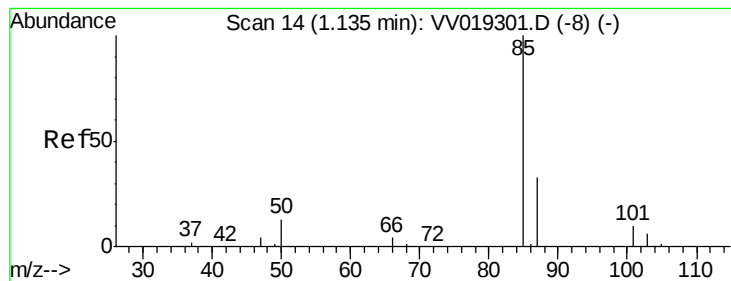
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 2.460 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

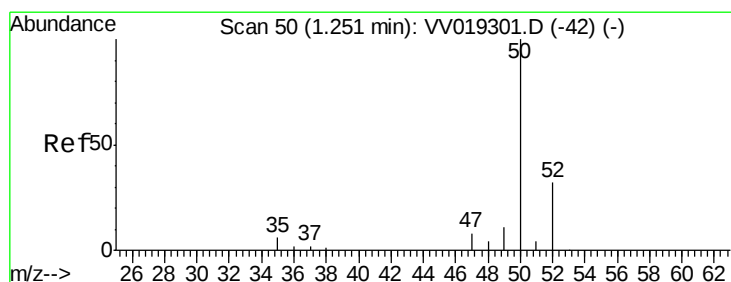
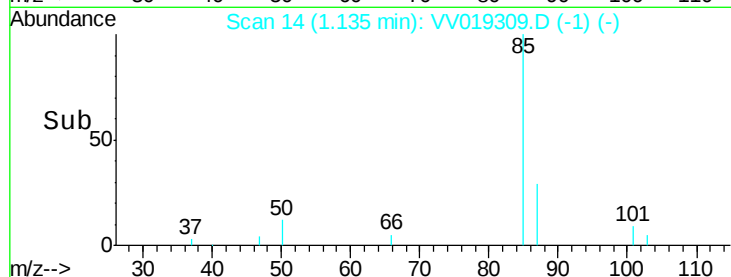
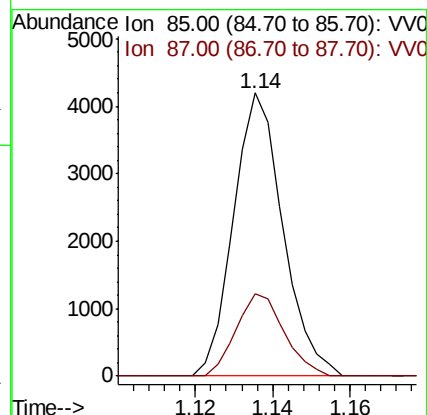
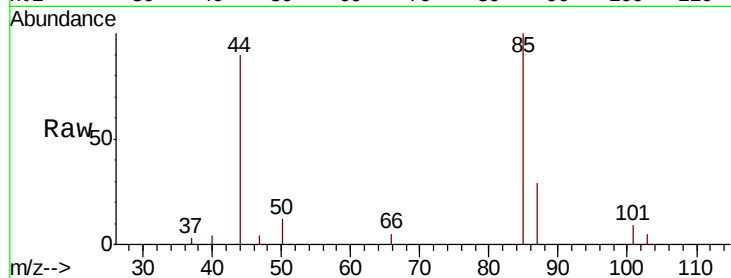
MDL-ME-SOIL-05

Tot Ion: 85 Resp: 3721

Ion Ratio Lower Upper

85 100

87 28.4 25.9 38.9



#3

Chloromethane

Concen: 2.844 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV019309.D

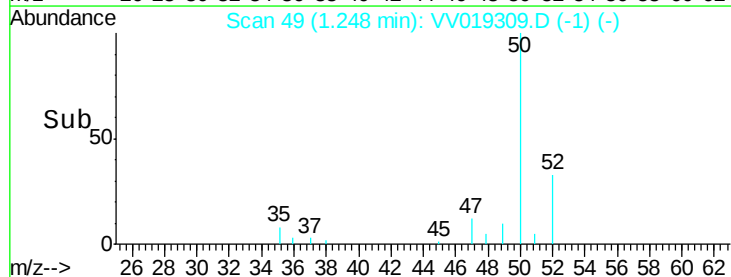
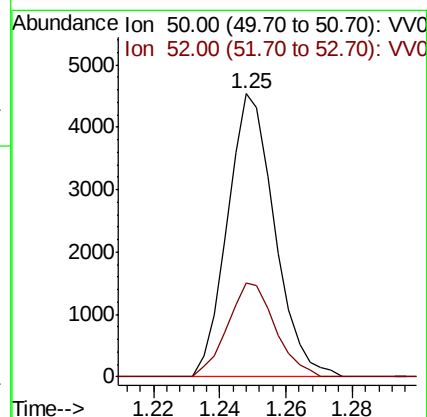
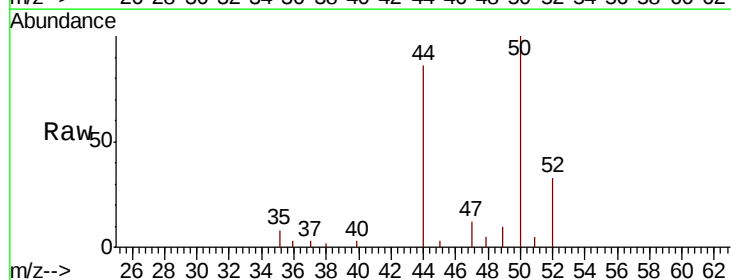
Acq: 09 Nov 2020 17:59

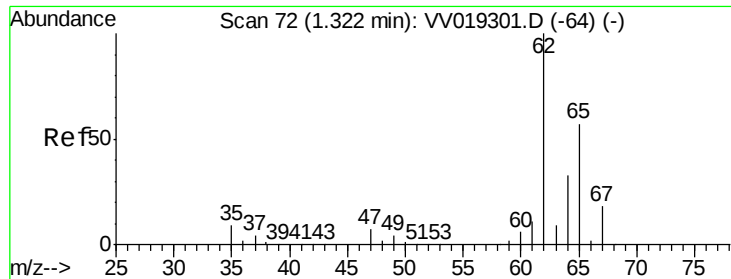
Tgt Ion: 50 Resp: 4479

Ion Ratio Lower Upper

50 100

52 33.1 23.0 42.6





#5

Vinyl chloride

Concen: 3.089 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampled :

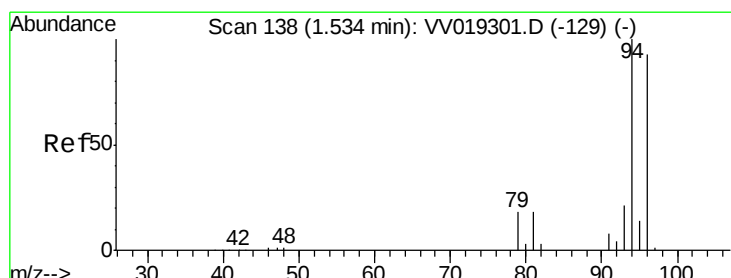
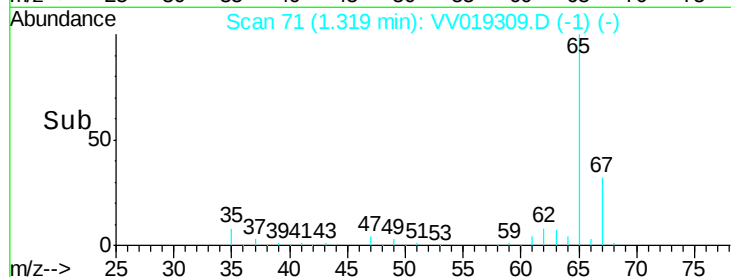
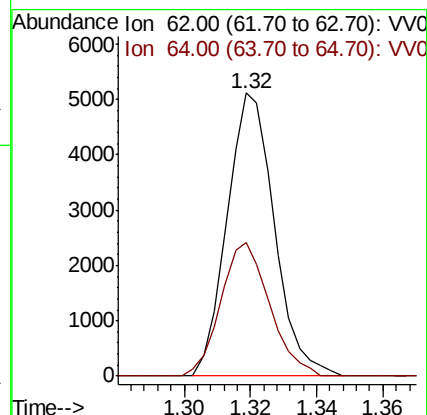
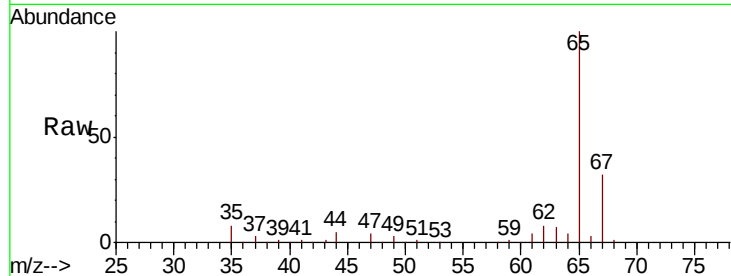
MDL-ME-SOIL-05

Tot Ion: 62 Resp: 5064

Ion Ratio Lower Upper

62 100

64 47.2 23.3 43.3#



#6

Bromomethane

Concen: 2.917 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019309.D

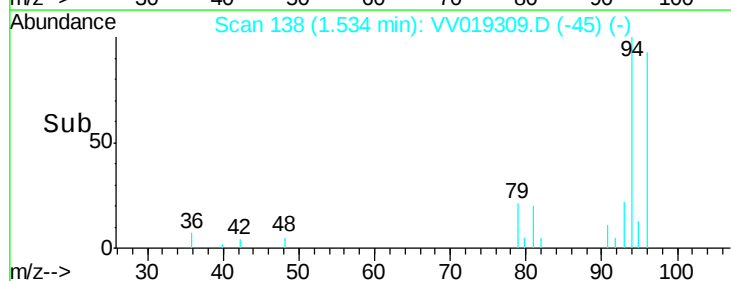
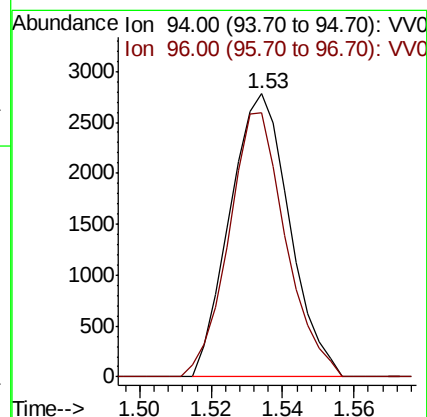
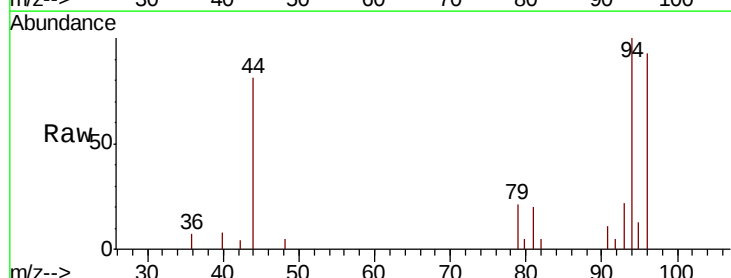
Acq: 09 Nov 2020 17:59

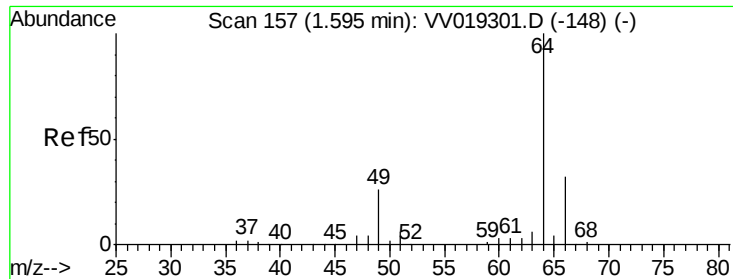
Tgt Ion: 94 Resp: 3214

Ion Ratio Lower Upper

94 100

96 93.1 66.4 123.2





#8

Chloroethane

Concen: 3.059 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

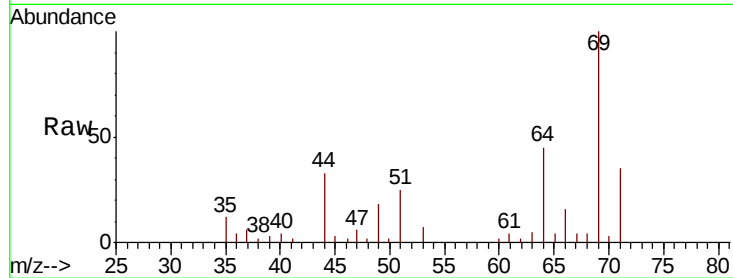
MDL-ME-SOIL-05

Tot Ion: 64 Resp: 3279

Ion Ratio Lower Upper

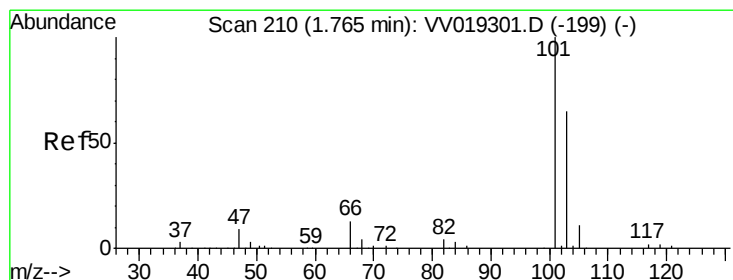
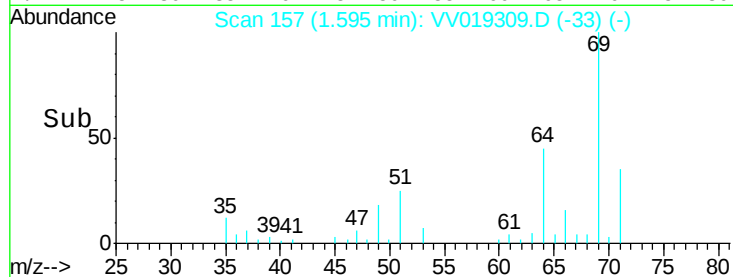
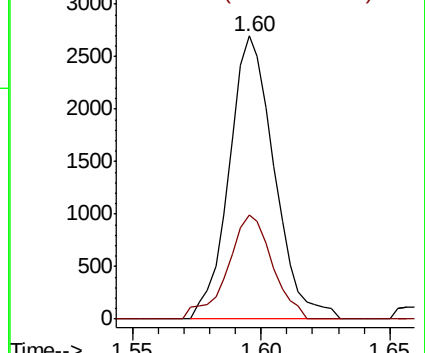
64 100

66 36.8 22.5 41.9



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 2.700 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019309.D

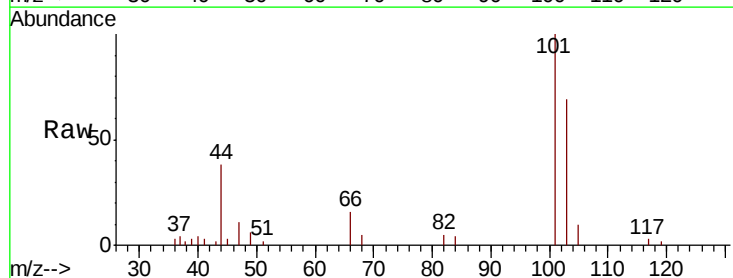
Acq: 09 Nov 2020 17:59

Tgt Ion: 101 Resp: 7326

Ion Ratio Lower Upper

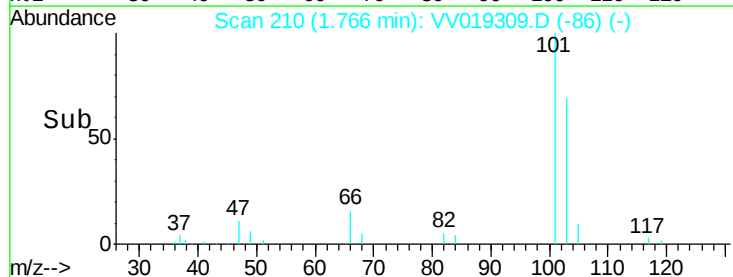
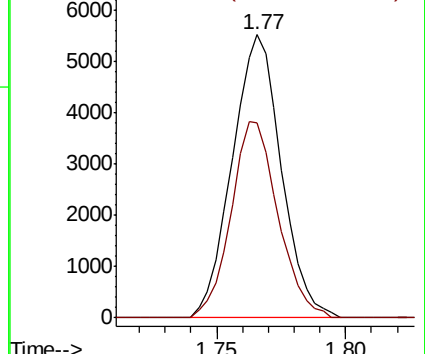
101 100

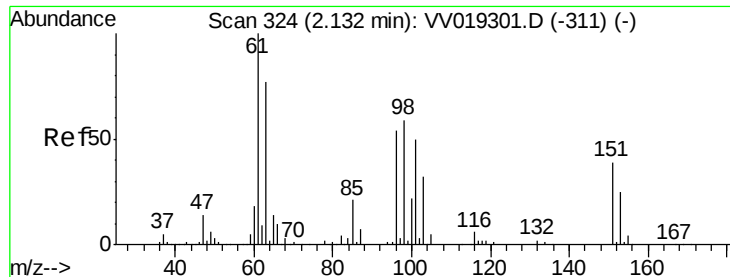
103 66.5 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 3.653 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019309.D

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ClientSampleId :

MDL-ME-SOIL-05

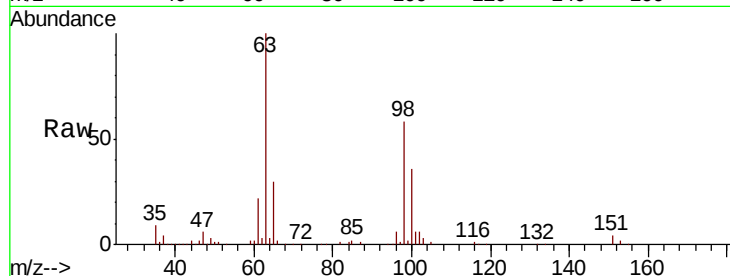
Tot Ion:101 Resp: 4710

Ion Ratio Lower Upper

101 100

85 37.9 35.6 53.4

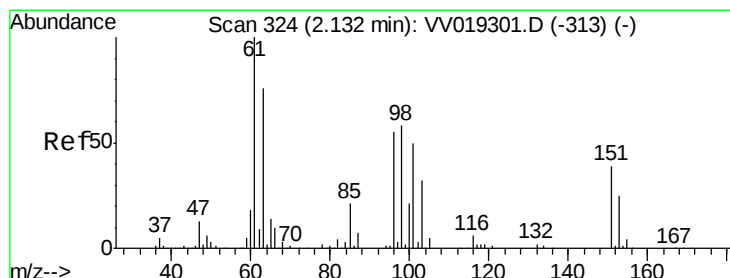
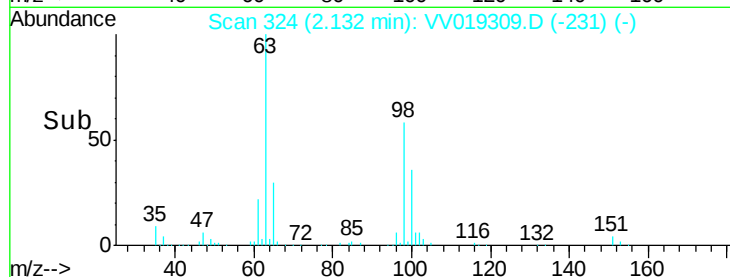
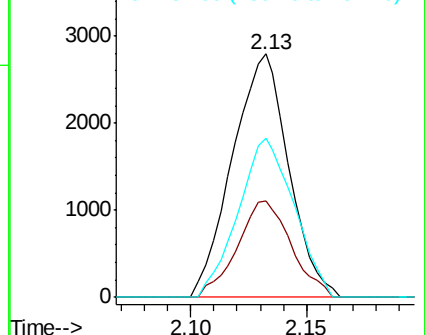
151 64.7 64.1 96.1



Abundance Ion 101.00 (100.70 to 101.70): VV019301.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV019301.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV019301.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 3.425 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

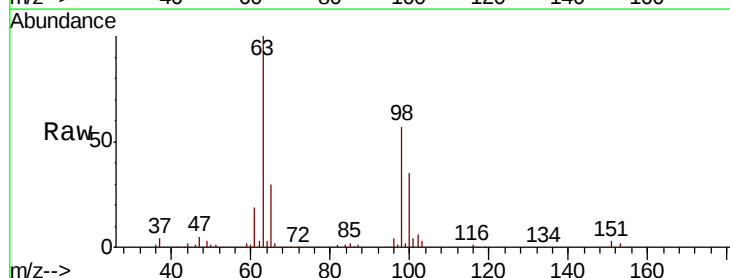
Tgt Ion: 96 Resp: 4565

Ion Ratio Lower Upper

96 100

61 420.1 133.6 248.0#

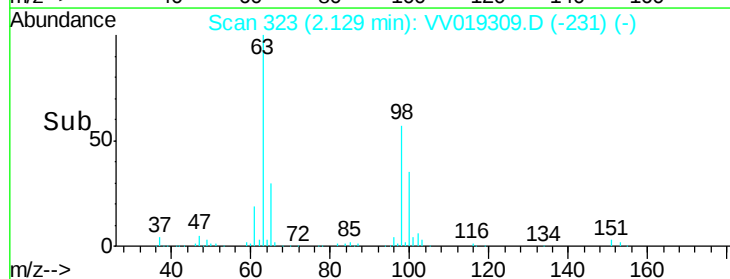
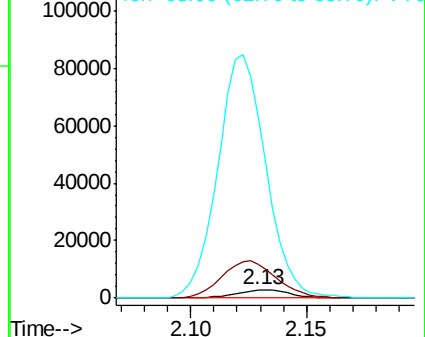
63 2231.1 103.0 191.2#

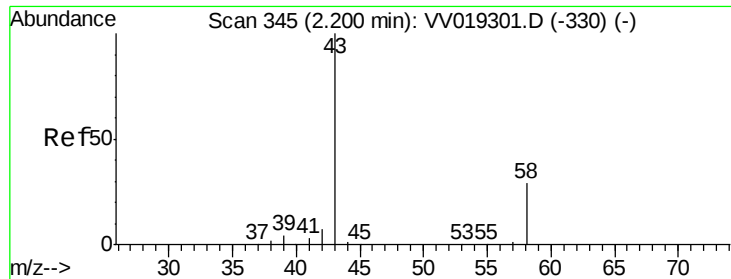


Abundance Ion 96.00 (95.70 to 96.70): VV019309.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV019309.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019309.D (-231) (-)





#13

Acetone

Concen: 7.368 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV019309.D

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MSVOA_V

ClientSampleId :

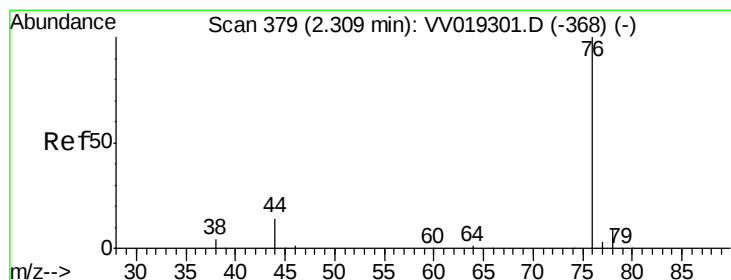
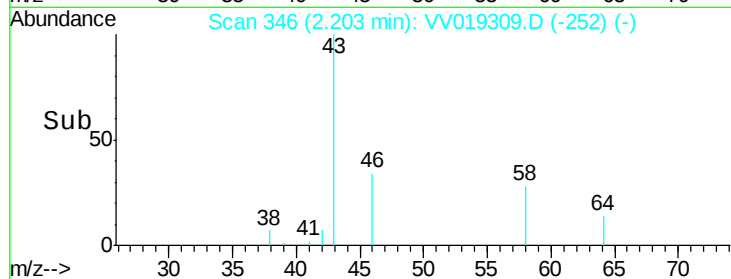
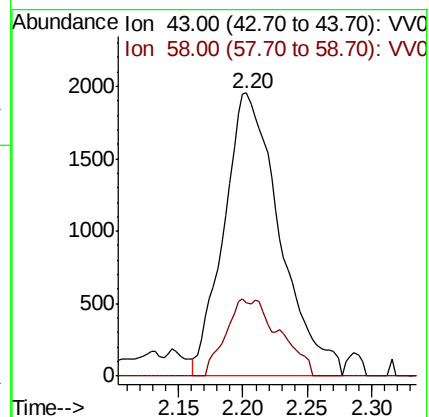
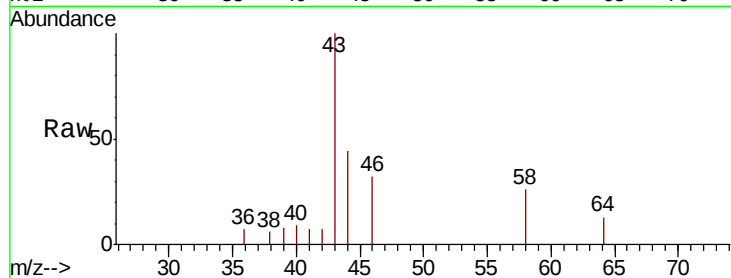
MDL-ME-SOIL-05

Tot Ion: 43 Resp: 5886

Ion Ratio Lower Upper

43 100

58 12.5 0.0 57.8



#14

Carbon disulfide

Concen: 2.574 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV019309.D

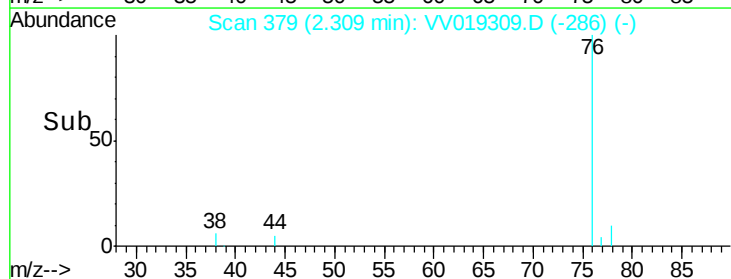
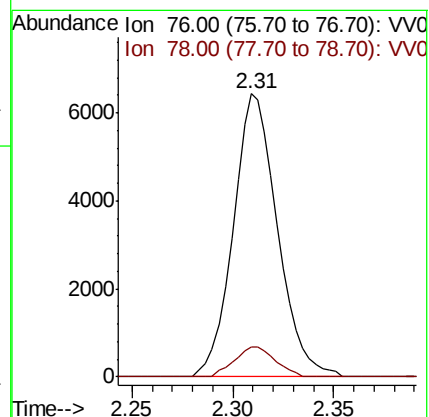
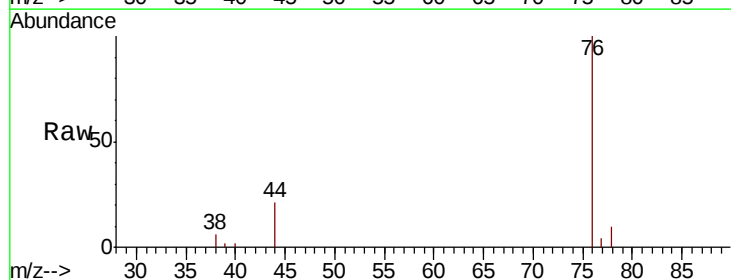
Acq: 09 Nov 2020 17:59

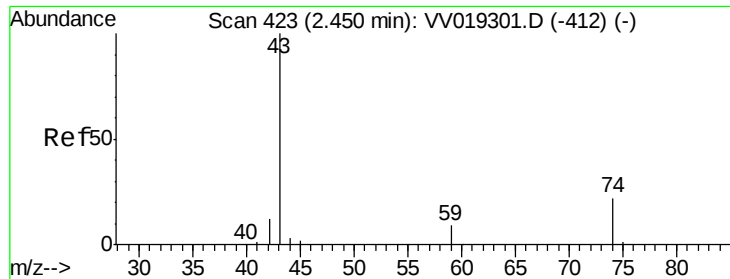
Tgt Ion: 76 Resp: 9850

Ion Ratio Lower Upper

76 100

78 10.5 7.4 11.0

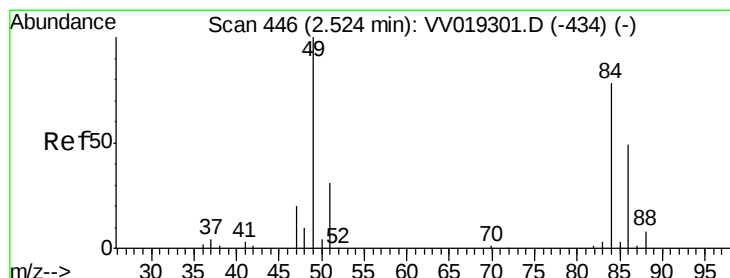
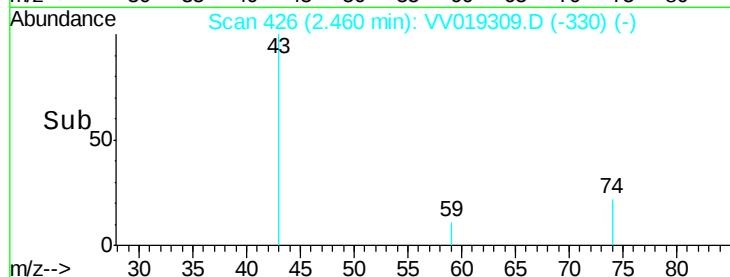
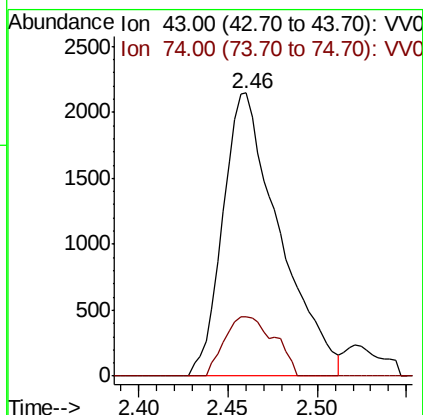
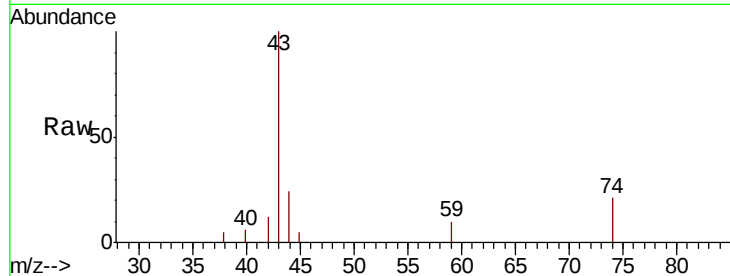




#15
Methvl Acetate
Concen: 3.063 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

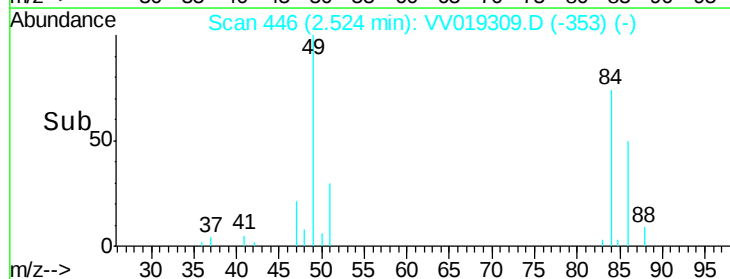
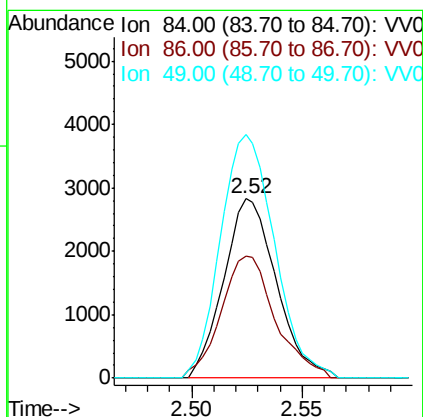
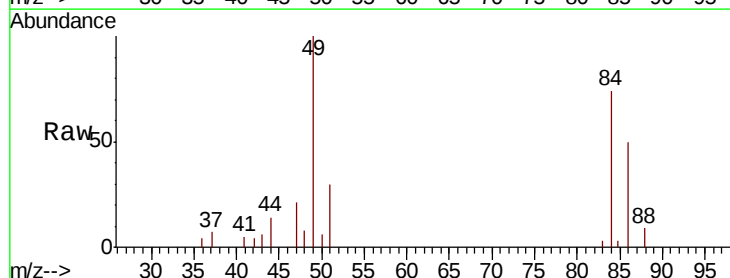
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

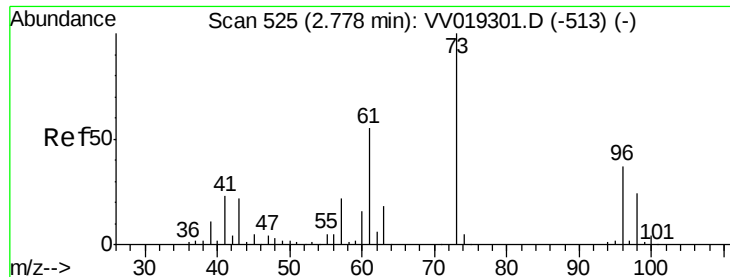
Tot Ion: 43 Resp: 4741
Ion Ratio Lower Upper
43 100
74 14.9 18.8 28.2#



#16
Methylene chloride
Concen: 2.969 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 84 Resp: 4704
Ion Ratio Lower Upper
84 100
86 68.2 45.6 84.8
49 135.7 89.3 165.9





#17

trans-1,2-Dichloroethene

Concen: 2.571 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

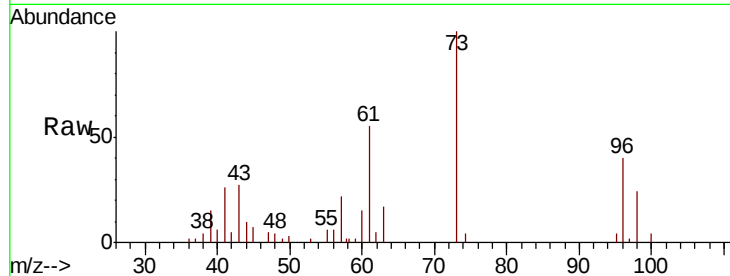
Tot Ion: 96 Resp: 3717

Ion Ratio Lower Upper

96 100

61 138.1 100.7 187.1

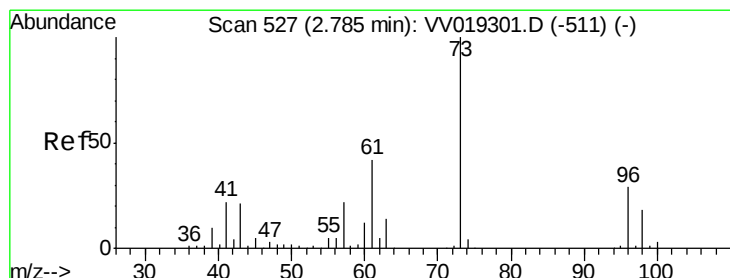
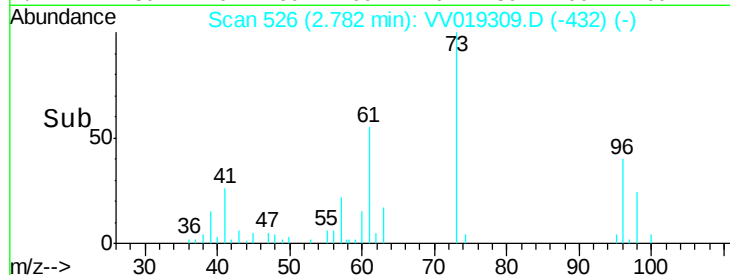
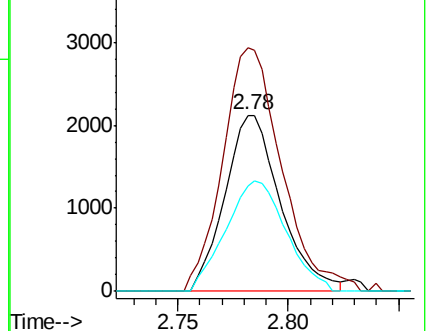
98 59.9 42.9 79.7



Abundance Ion 96.00 (95.70 to 96.70): VV019301.D (-513) (-)

Ion 61.00 (60.70 to 61.70): VV019301.D (-513) (-)

Ion 98.00 (97.70 to 98.70): VV019301.D (-513) (-)



#18

Methyl tert-butyl Ether

Concen: 2.360 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

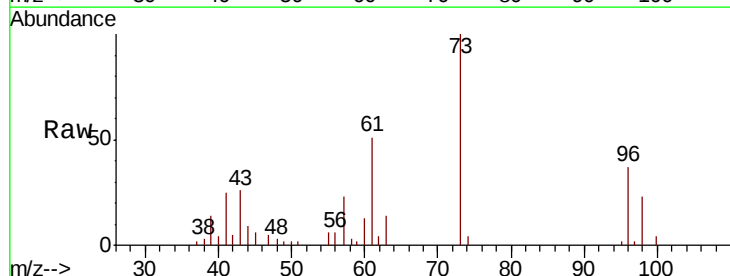
Tgt Ion: 73 Resp: 11991

Ion Ratio Lower Upper

73 100

43 27.0 17.9 26.9#

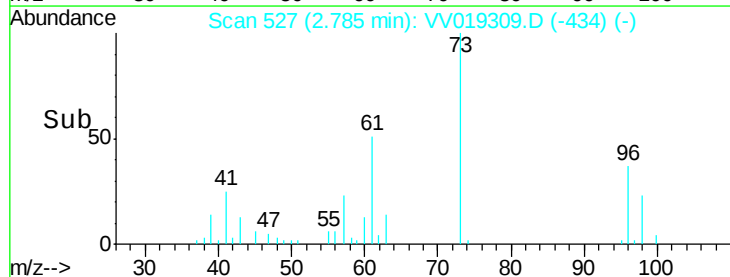
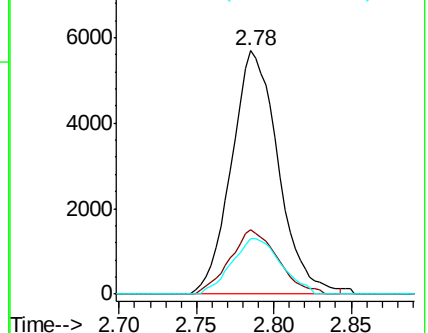
57 23.9 17.1 25.7

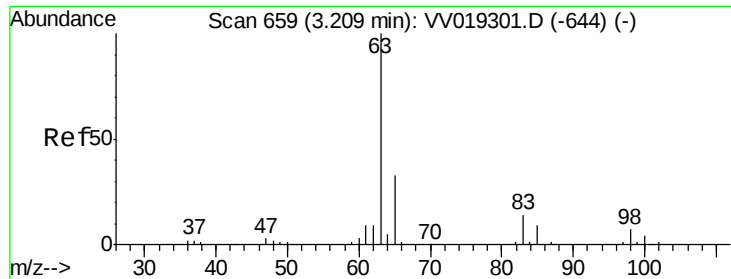


Abundance Ion 73.00 (72.70 to 73.70): VV019301.D (-511) (-)

Ion 43.00 (42.70 to 43.70): VV019301.D (-511) (-)

Ion 57.00 (56.70 to 57.70): VV019301.D (-511) (-)

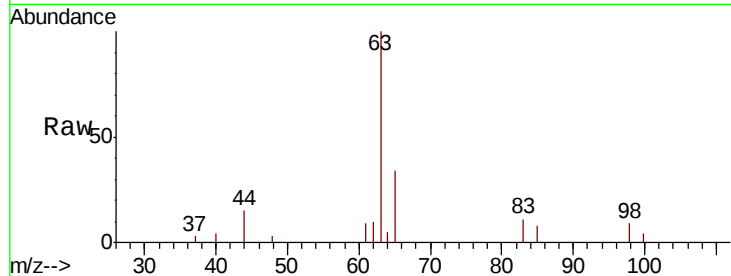




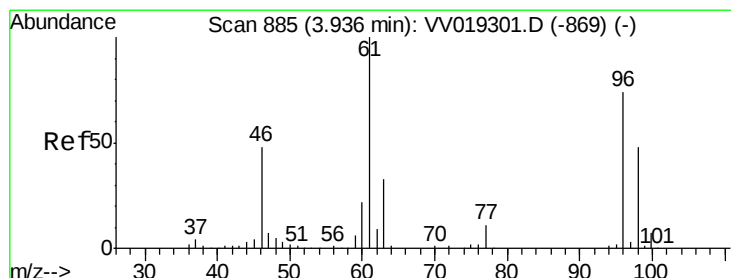
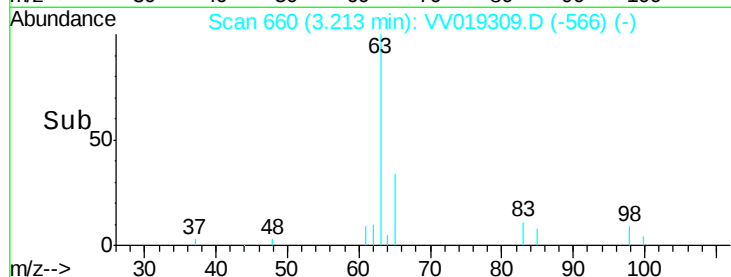
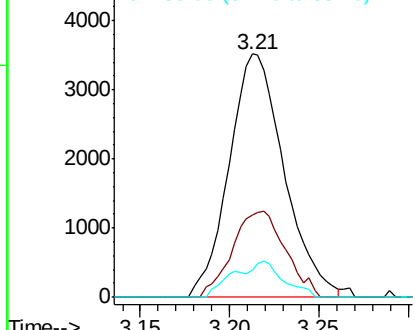
#19
 1,1-Dichloroethane
 Concen: 2.673 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-05

Tot Ion: 63 Resp: 7572
 Ion Ratio Lower Upper
 63 100
 65 33.6 21.8 40.6
 83 11.2 9.5 17.7

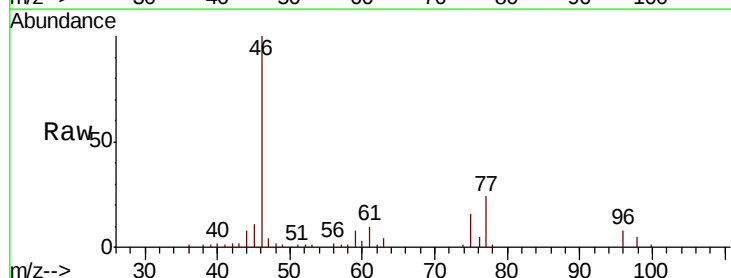


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

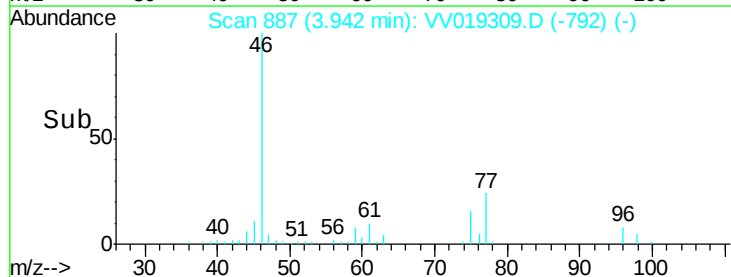
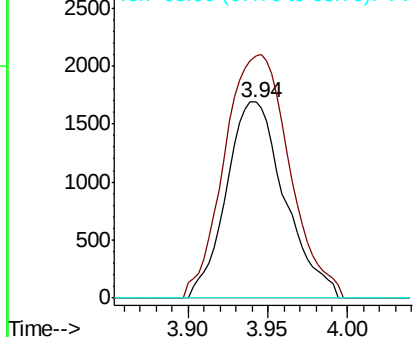


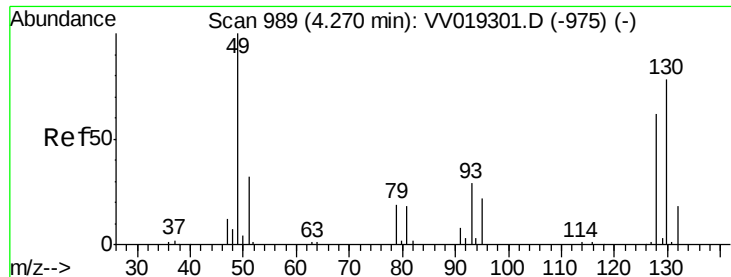
#20
 cis-1,2-Dichloroethene
 Concen: 2.644 ug/L
 RT: 3.94 min Scan# 887
 Delta R.T. 0.01 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

Tgt Ion: 96 Resp: 4225
 Ion Ratio Lower Upper
 96 100
 61 123.7 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

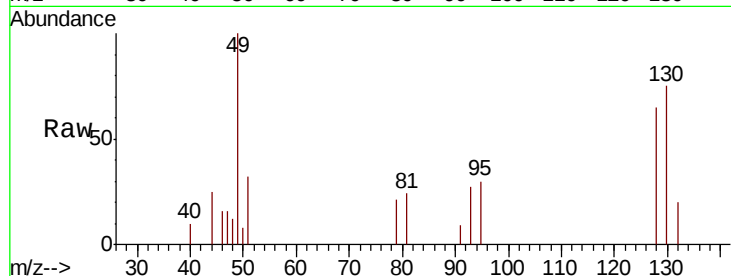




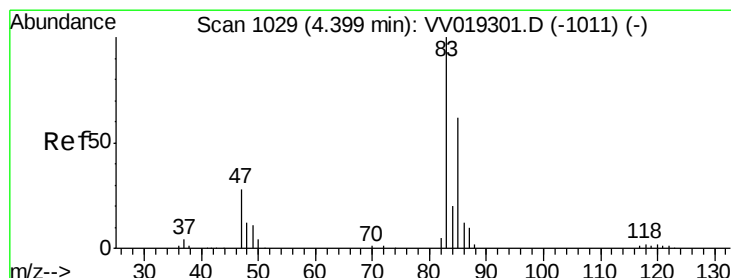
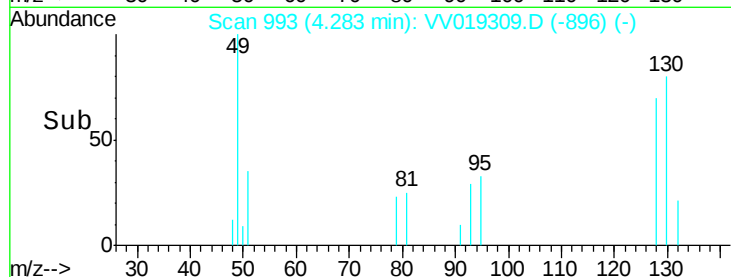
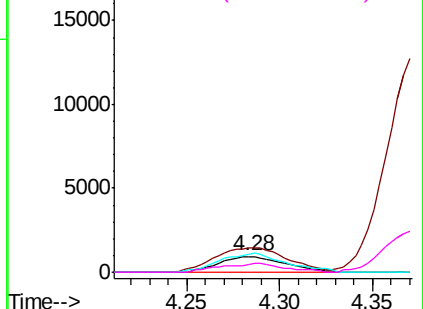
#23
Bromochloromethane
Concen: 2.600 ug/L
RT: 4.28 min Scan# 993
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

Tot Ion:128 Resp: 2287
Ion Ratio Lower Upper
128 100
49 154.0 108.8 202.2
130 115.1 88.5 164.3
51 49.8 37.8 56.6

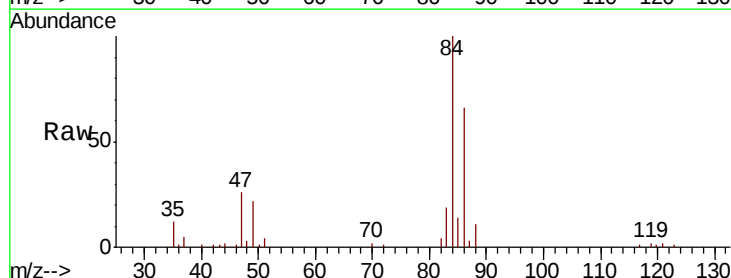


Abundance Ion 128.00 (127.70 to 128.70): VV019309.D (-996) (-)
Ion 49.00 (48.70 to 49.70): VV019309.D (-996) (-)
Ion 130.00 (129.70 to 130.70): VV019309.D (-996) (-)
Ion 51.00 (50.70 to 51.70): VV019309.D (-996) (-)

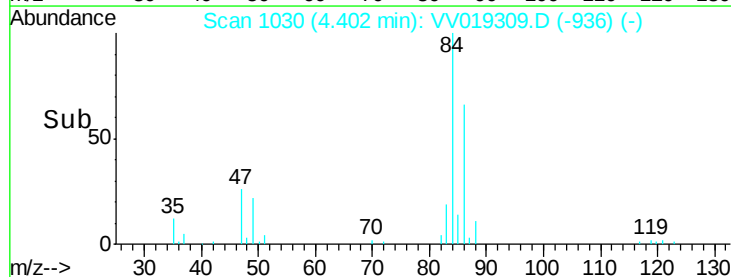
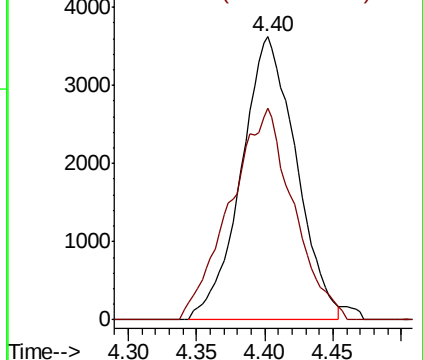


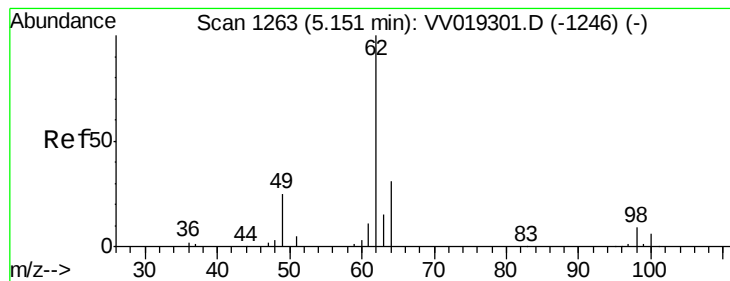
#25
Chloroform
Concen: 3.336 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 83 Resp: 10132
Ion Ratio Lower Upper
83 100
85 75.0 45.4 84.4



Abundance Ion 83.00 (82.70 to 83.70): VV019309.D (-936) (-)
Ion 85.00 (84.70 to 85.70): VV019309.D (-936) (-)





#27

1,2-Dichloroethane

Concen: 2.402 ug/L

RT: 5.16 min Scan# 1267

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

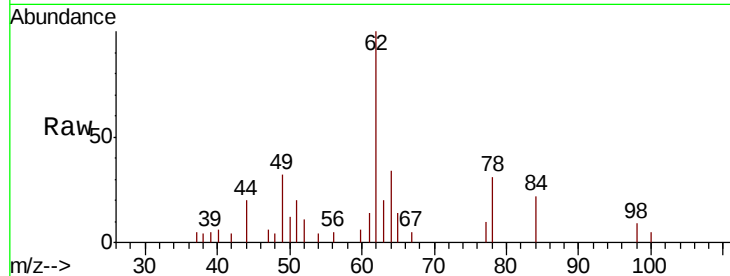
MDL-ME-SOIL-05

Tot Ion: 62 Resp: 6201

Ion Ratio Lower Upper

62 100

98 9.3 6.8 10.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

3000

2500

2000

1500

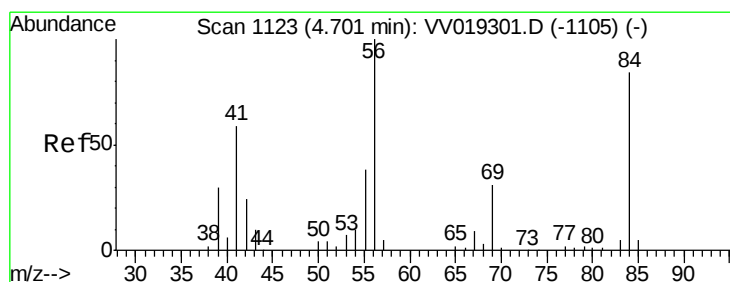
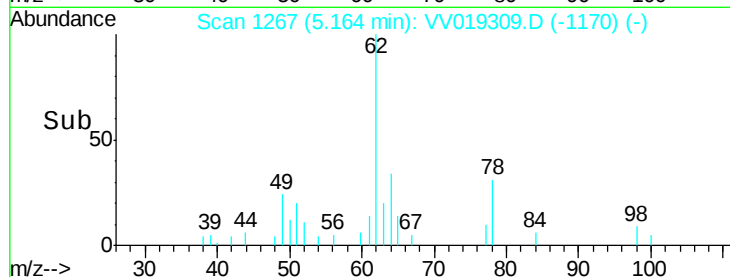
1000

500

0

5.10 5.15 5.20

Time-->



#29

Cyclohexane

Concen: 2.439 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

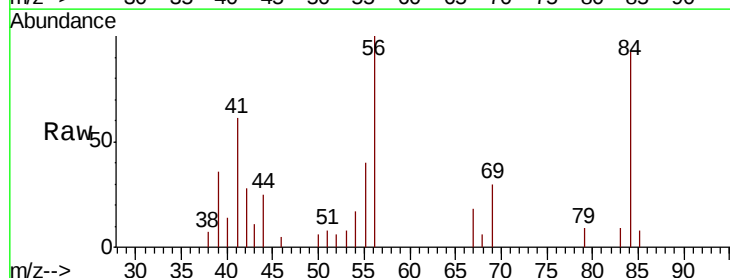
Tgt Ion: 56 Resp: 4987

Ion Ratio Lower Upper

56 100

69 27.5 24.6 36.8

84 98.8 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

2500

2000

1500

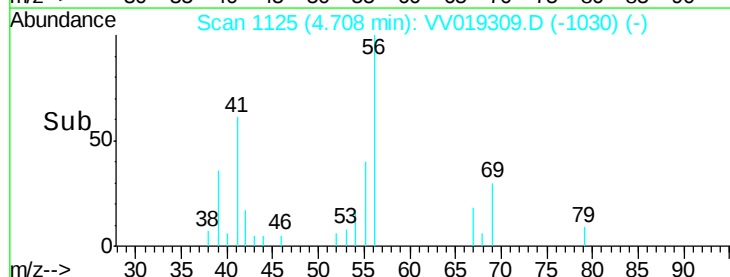
1000

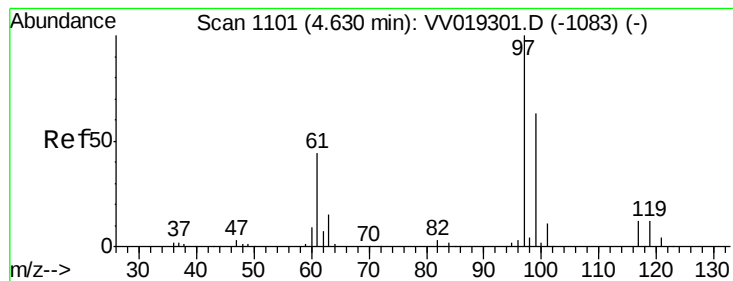
500

0

4.65 4.70 4.75

Time-->





#30

1,1,1-Trichloroethane

Concen: 2.633 ug/L

RT: 4.64 min Scan# 1104

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

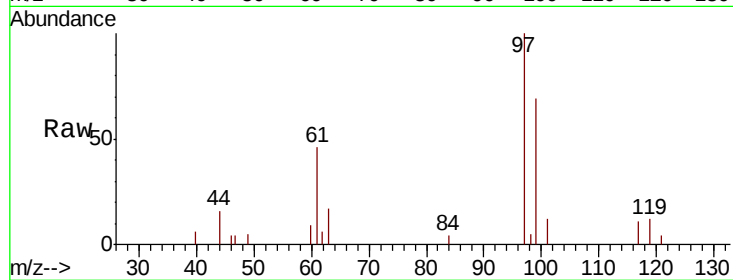
Tot Ion: 97 Resp: 7296

Ion Ratio Lower Upper

97 100

99 66.7 52.0 78.0

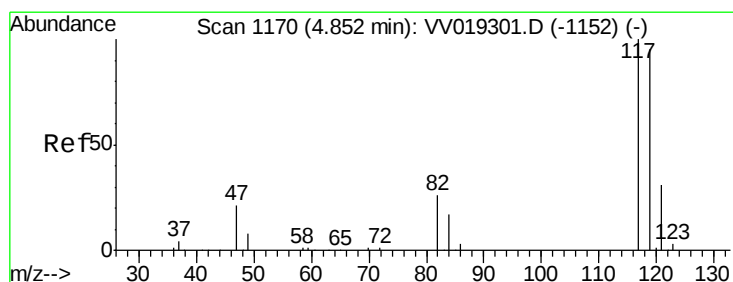
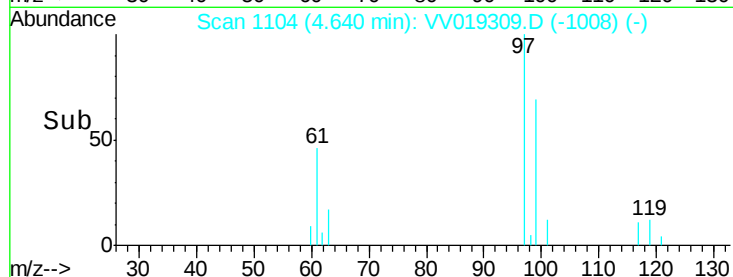
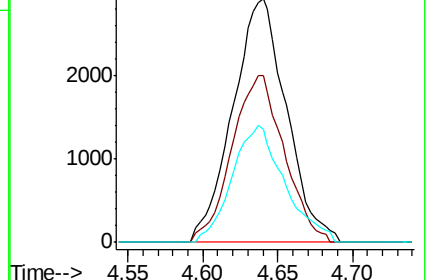
61 47.0 35.3 52.9



Abundance Ion 97.00 (96.70 to 97.70): VV019309.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV019309.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV019309.D (-1083) (-)



#31

Carbon tetrachloride

Concen: 2.625 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019309.D

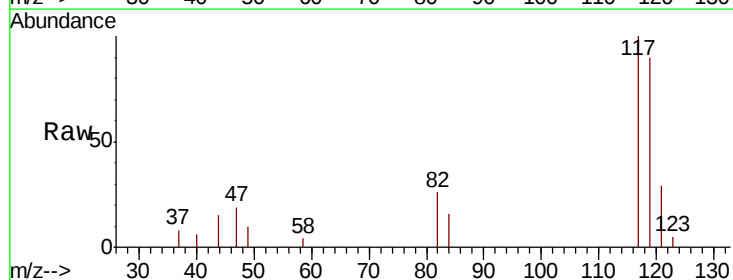
Acq: 09 Nov 2020 17:59

Tgt Ion: 117 Resp: 6281

Ion Ratio Lower Upper

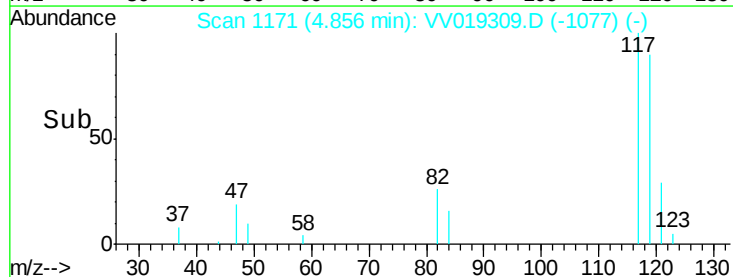
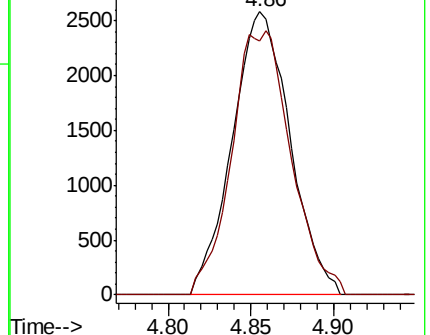
117 100

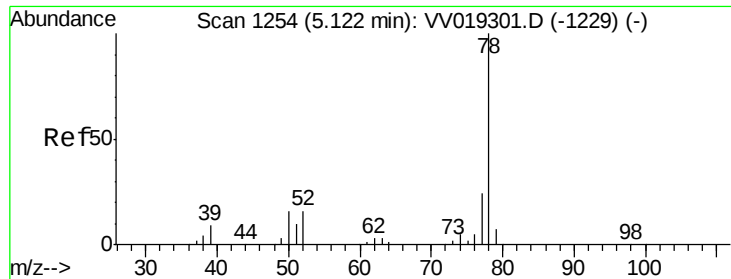
119 48.8 77.8 116.6#



Abundance Ion 117.00 (116.70 to 117.70): VV019309.D (-1077) (-)

Ion 119.00 (118.70 to 119.70): VV019309.D (-1077) (-)





#33

Benzene

Concen: 2.623 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

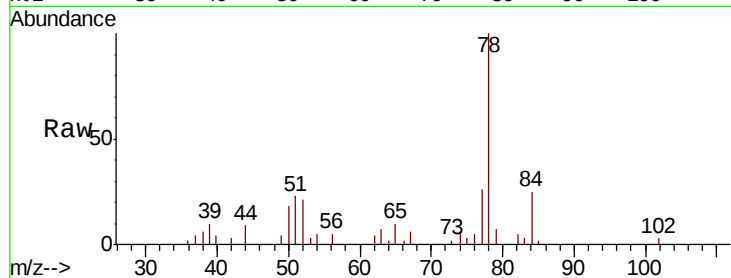
Instrument :

MSVOA_V

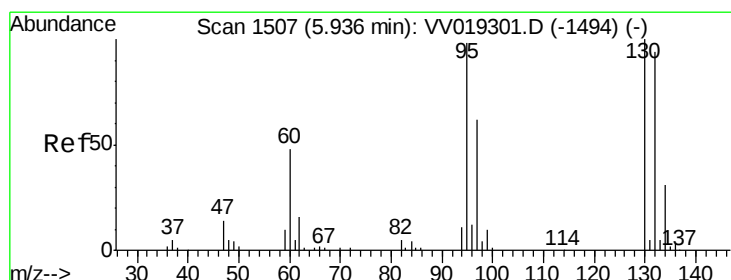
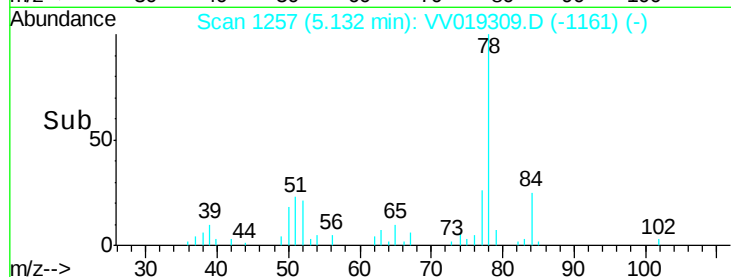
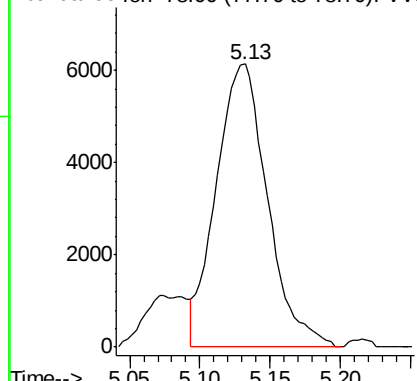
ClientSampleId :

MDL-ME-SOIL-05

Tgt Ion: 78 Resp: 15571



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 2.905 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Tgt Ion: 95 Resp: 4688

Ion	Ratio	Lower	Upper
95	100		
97	58.7	45.4	84.4
132	92.5	68.5	127.3
130	96.2	72.0	133.6

95 100

97 58.7 45.4 84.4

132 92.5 68.5 127.3

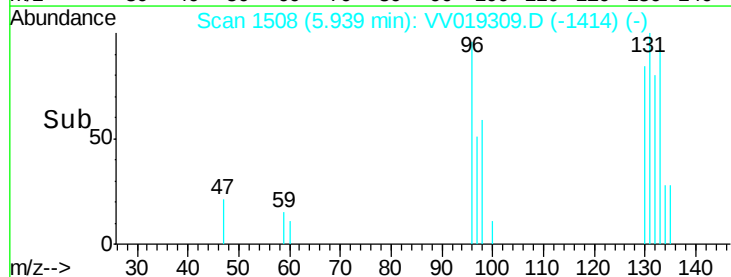
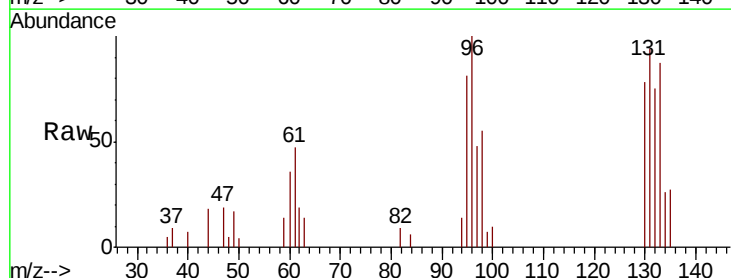
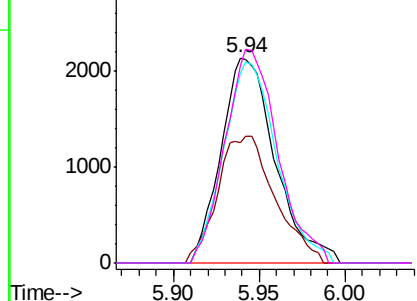
130 96.2 72.0 133.6

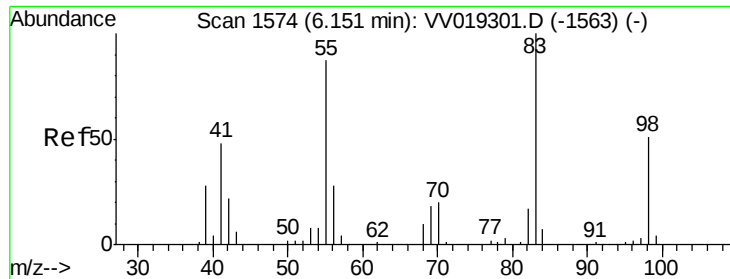
Abundance Ion 95.00 (94.70 to 95.70): VV0

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

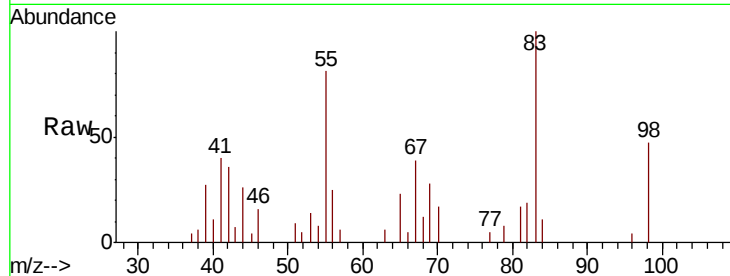




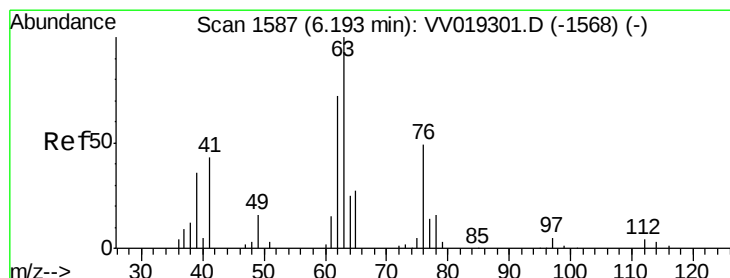
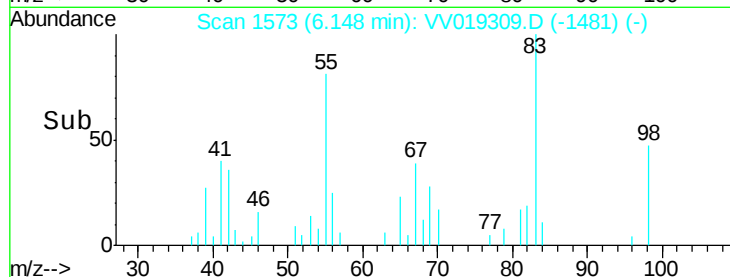
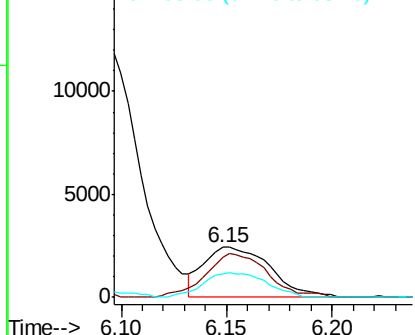
#35
Methvlcvclohexane
Concen: 2.732 ug/L
RT: 6.15 min Scan# 1573
Delta R.T. -0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

Tot Ion: 83 Resp: 5335
Ion Ratio Lower Upper
83 100
55 81.7 62.8 94.2
98 46.2 38.6 58.0

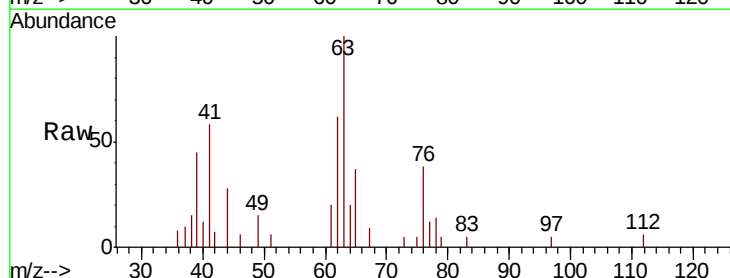


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

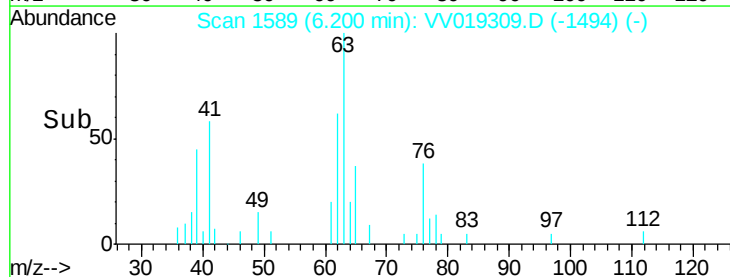
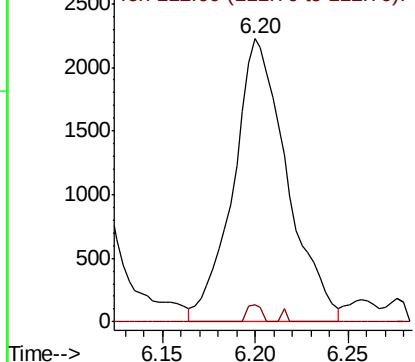


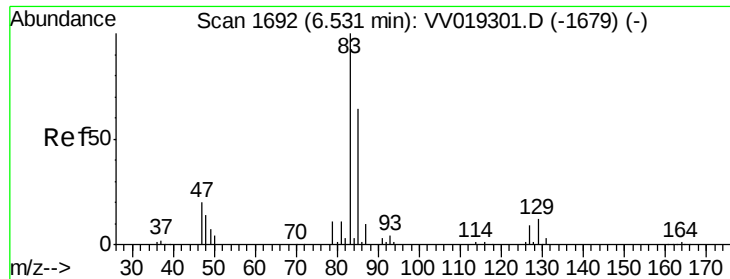
#37
1,2-Dichloropropane
Concen: 2.835 ug/L
RT: 6.20 min Scan# 1589
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 63 Resp: 4492
Ion Ratio Lower Upper
63 100
112 1.6 4.2 6.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

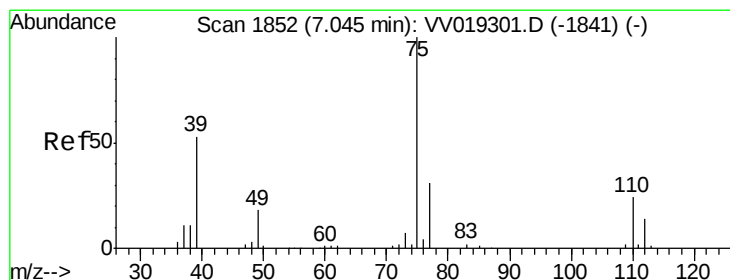
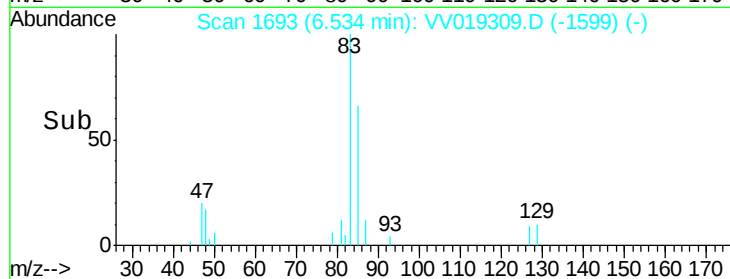
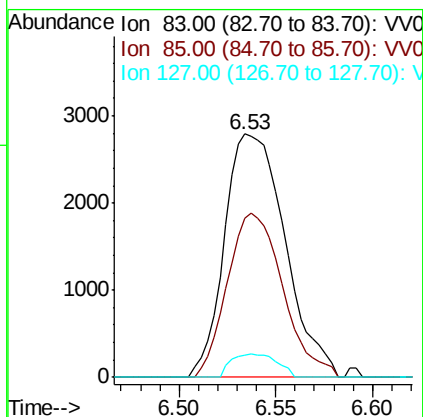
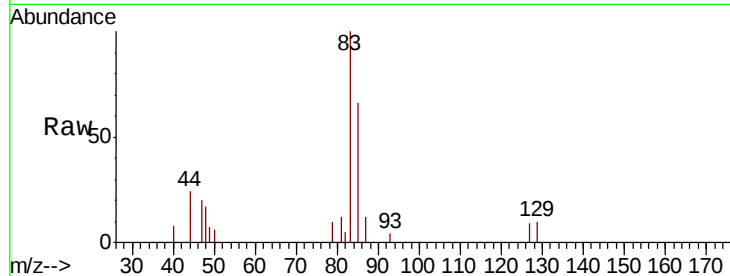




#38
Bromodichloromethane
Concen: 2.668 ug/L
RT: 6.53 min Scan# 1693
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

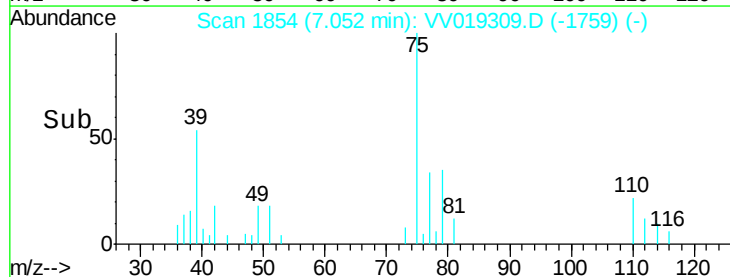
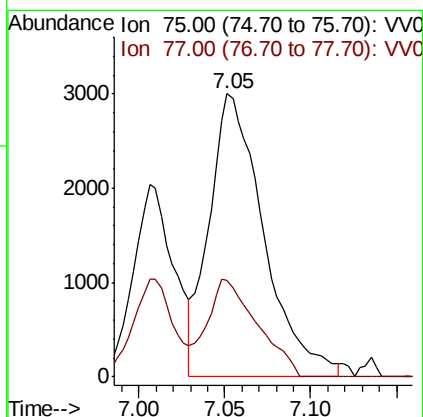
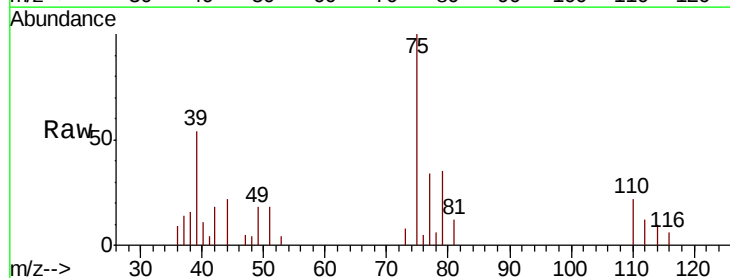
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

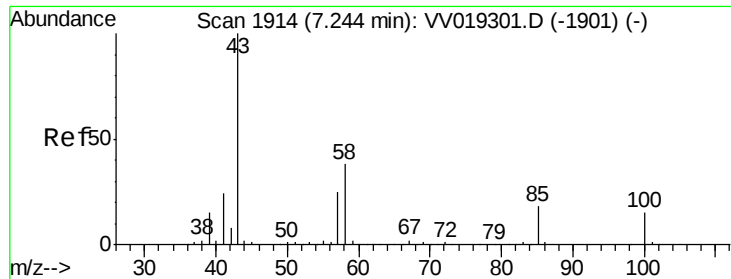
Tot Ion: 83 Resp: 6084
Ion Ratio Lower Upper
83 100
85 65.6 44.0 81.8
127 8.9 7.3 10.9



#39
cis-1,3-Dichloropropene
Concen: 2.612 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 75 Resp: 6622
Ion Ratio Lower Upper
75 100
77 34.2 22.2 41.2

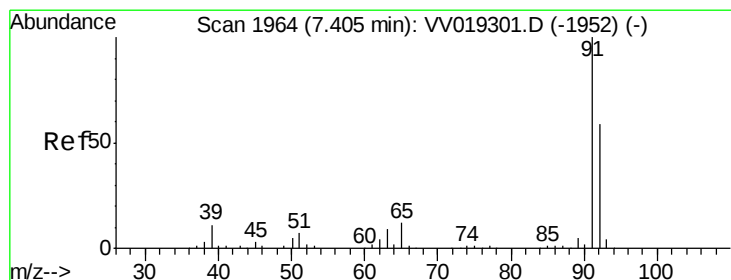
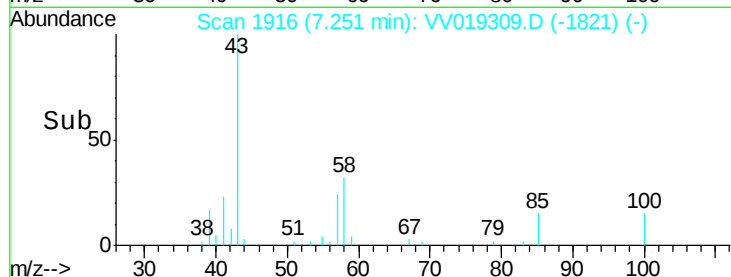
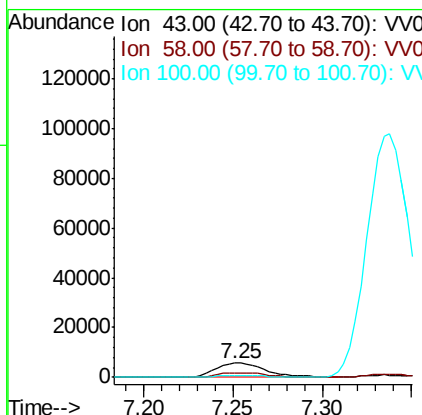
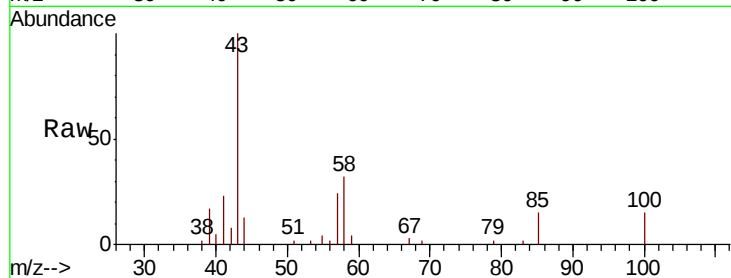




#40
4-Methyl-2-pentanone
Concen: 5.346 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

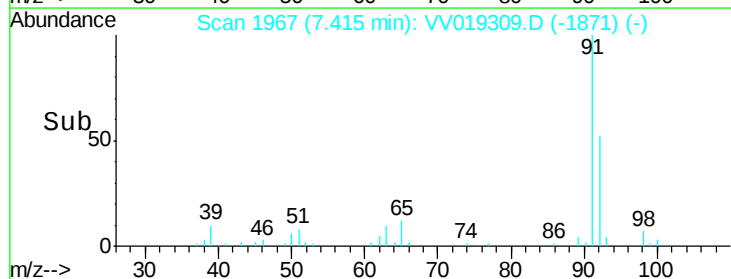
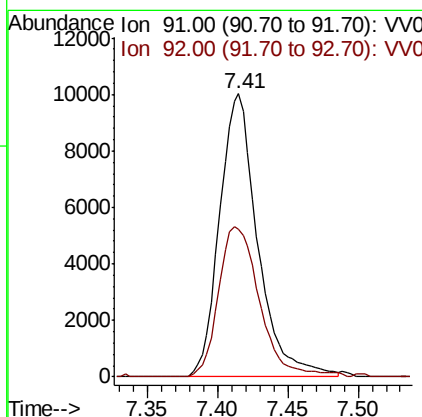
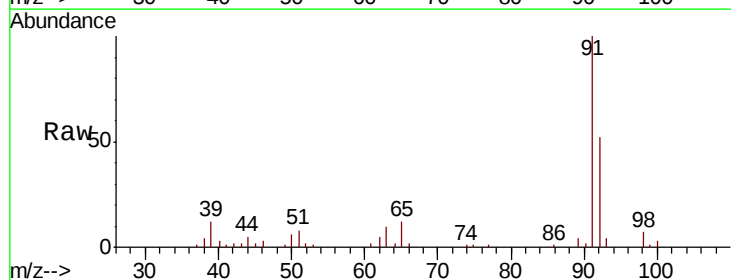
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

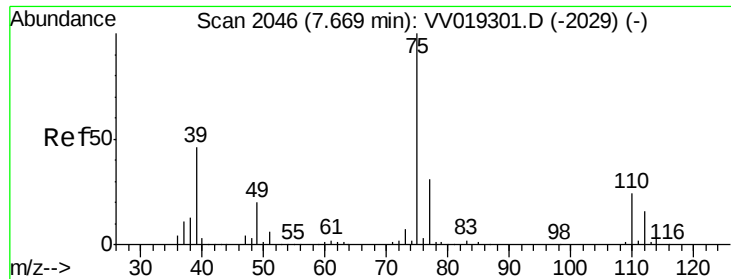
Tot Ion: 43 Resp: 11380
Ion Ratio Lower Upper
43 100
58 32.9 30.5 45.7
100 14.1 12.7 19.1



#42
Toluene
Concen: 2.948 ug/L
RT: 7.41 min Scan# 1967
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 91 Resp: 18920
Ion Ratio Lower Upper
91 100
92 52.0 40.6 75.4





#44

trans-1,3-Dichloropropene

Concen: 2.632 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

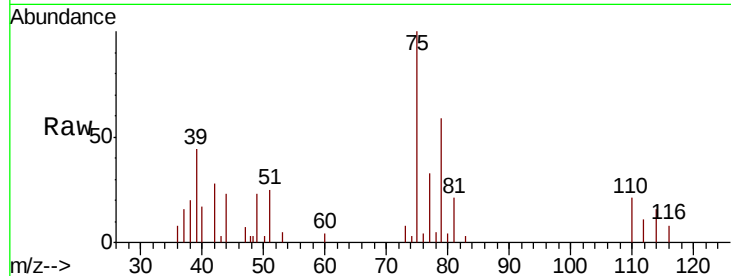
MDL-ME-SOIL-05

Tot Ion: 75 Resp: 6838

Ion Ratio Lower Upper

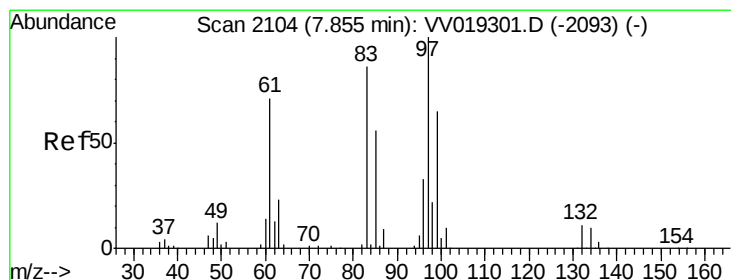
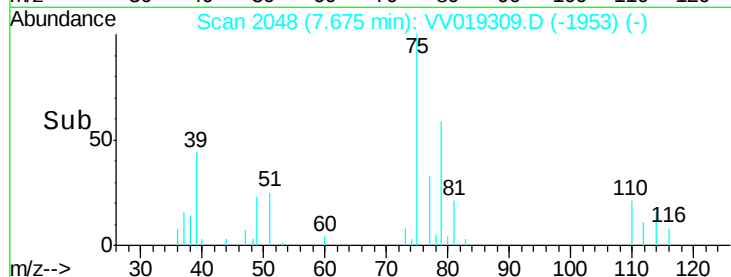
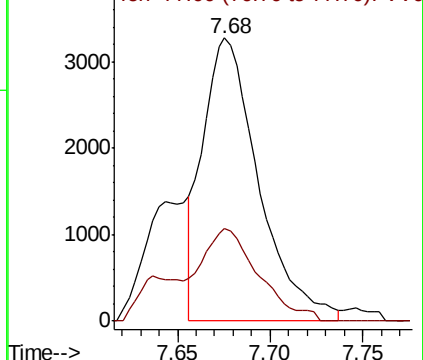
75 100

77 32.7 21.6 40.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#45

1,1,2-Trichloroethane

Concen: 2.744 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Tgt Ion: 97 Resp: 4297

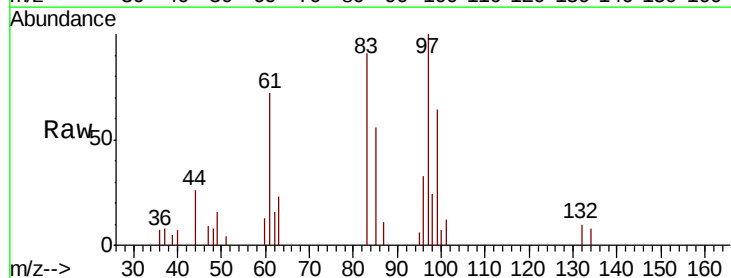
Ion Ratio Lower Upper

97 100

99 64.0 45.1 83.9

83 90.6 57.6 107.0

85 55.5 37.8 70.2

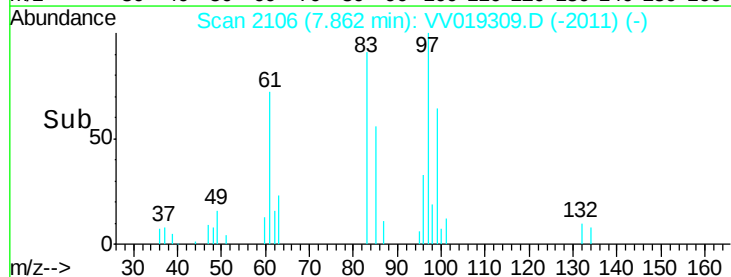
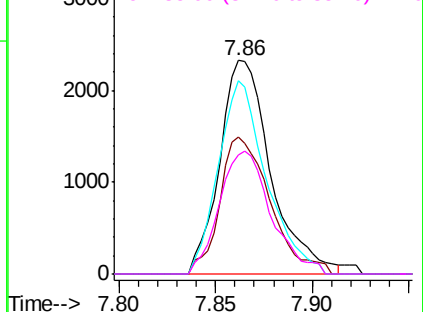


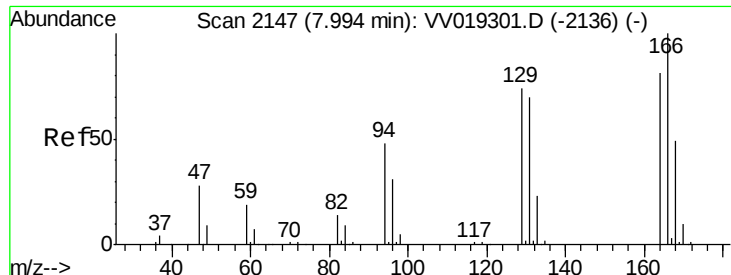
Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 2.516 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

Tot Ion:164 Resp: 3312

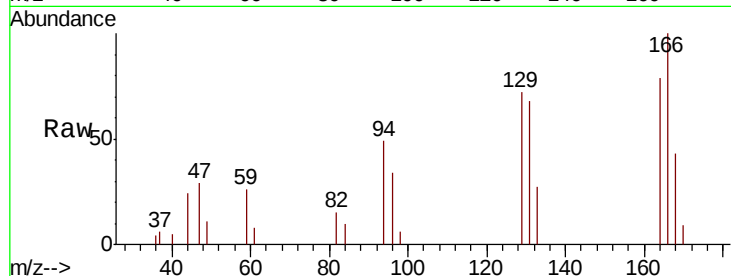
Ion Ratio Lower Upper

164 100

129 91.3 62.6 116.3

131 85.8 59.0 109.6

166 126.7 88.0 163.4

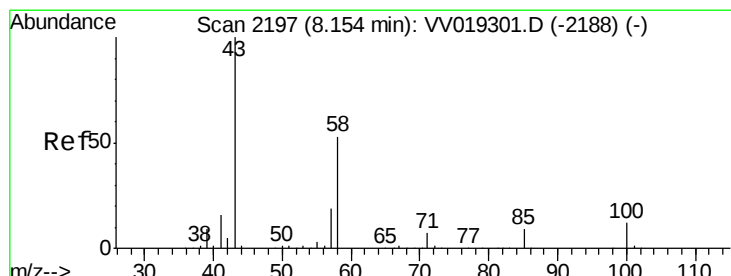
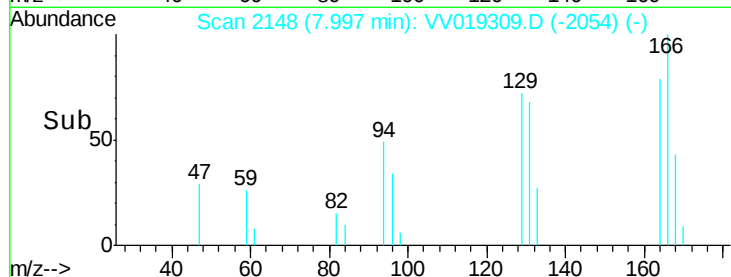
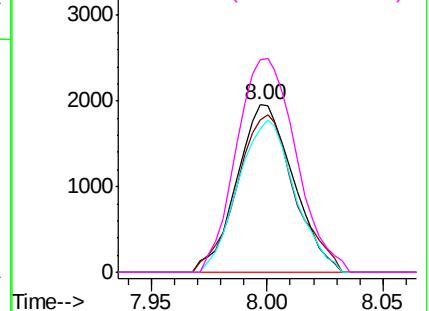


Abundance Ion 164.00 (163.70 to 164.70): V

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: 9.123 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Tgt Ion: 43 Resp: 14682

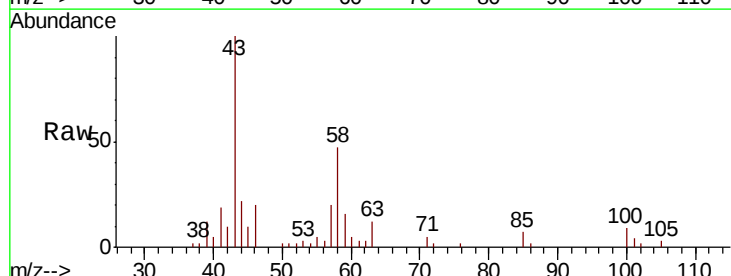
Ion Ratio Lower Upper

43 100

58 41.4 42.6 63.8#

57 16.9 15.8 23.8

100 9.7 10.4 15.6#

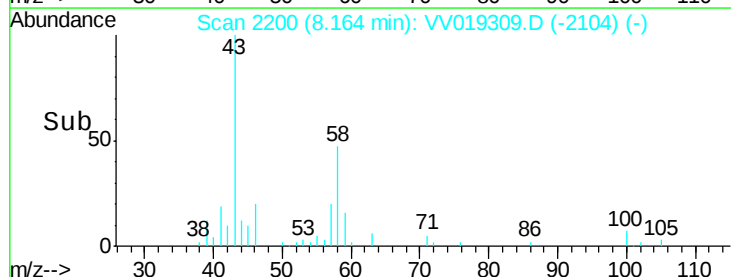
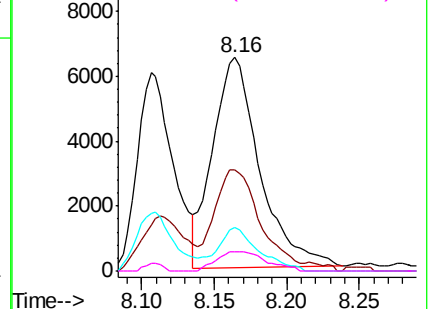


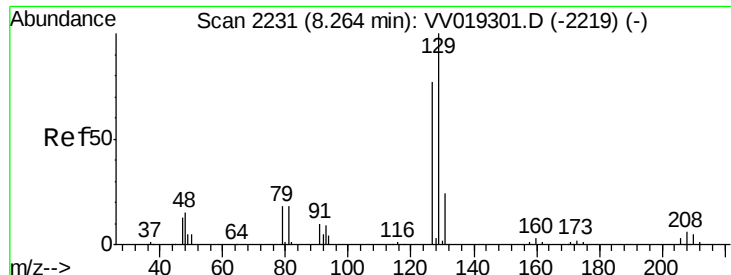
Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 2.539 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

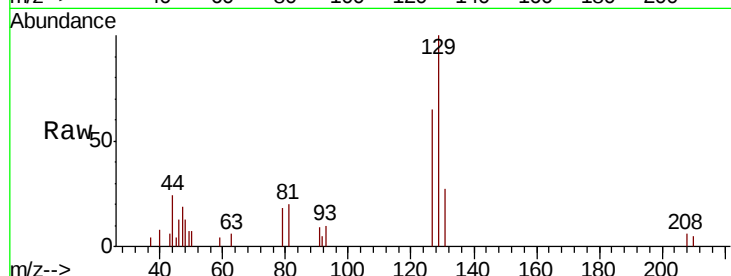
MDL-ME-SOIL-05

Tot Ion:129 Resp: 4742

Ion Ratio Lower Upper

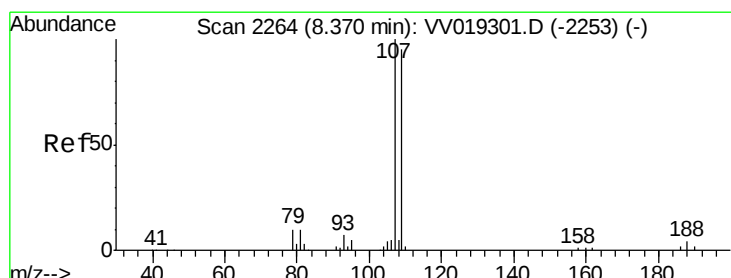
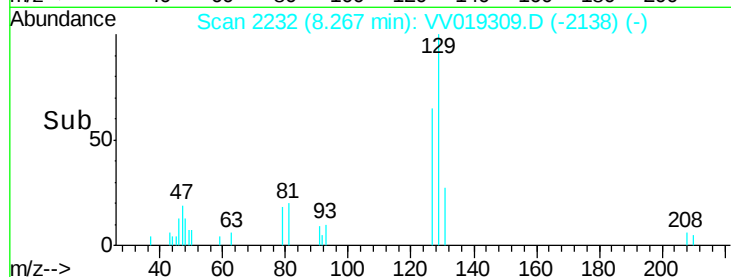
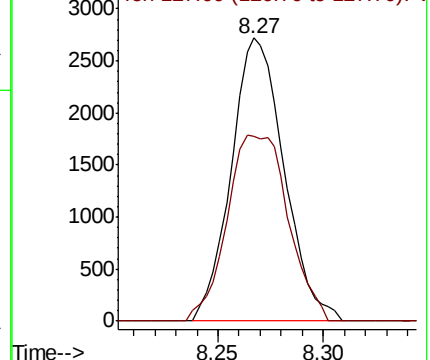
129 100

127 65.3 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: 2.621 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

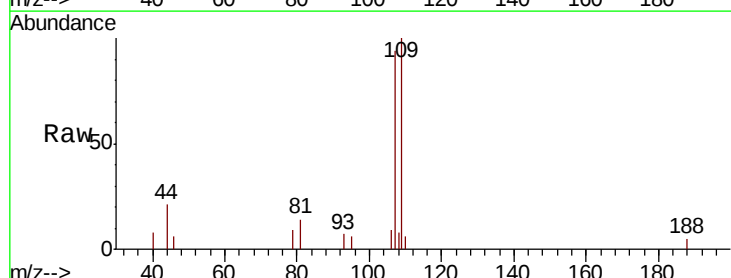
Tgt Ion:107 Resp: 4255

Ion Ratio Lower Upper

107 100

109 106.7 64.8 120.4

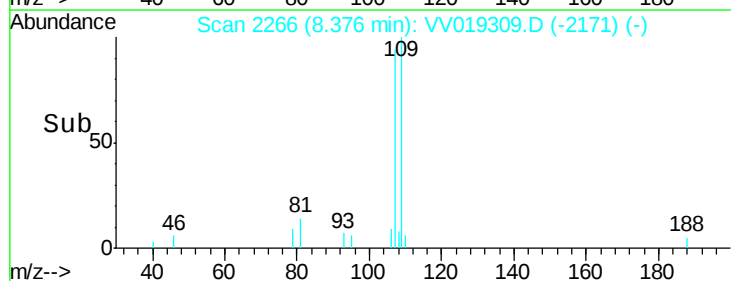
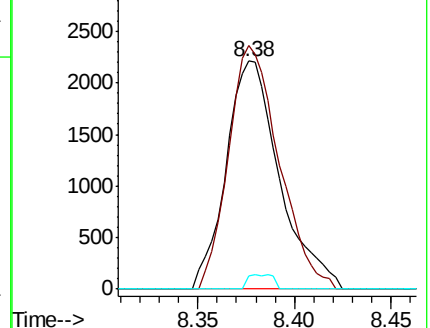
188 5.6 3.8 5.8

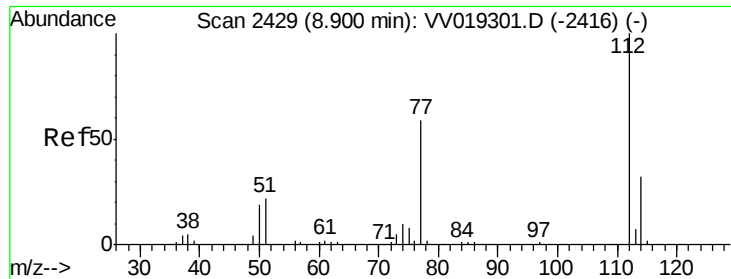


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

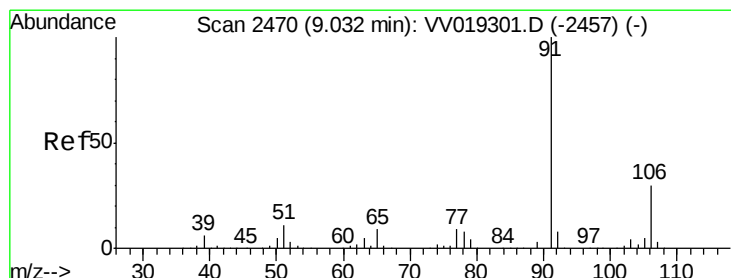
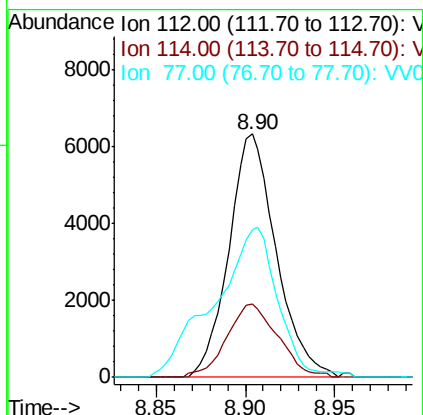
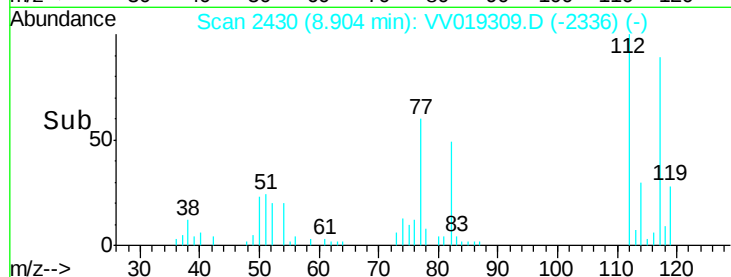
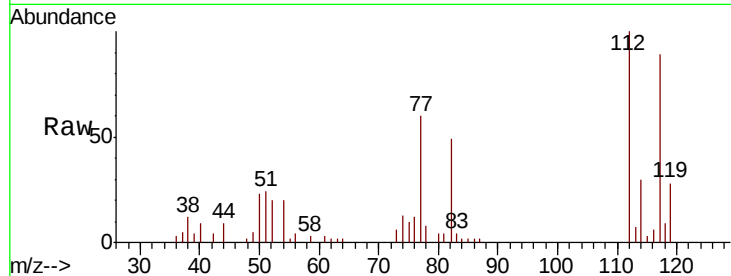




#51
Chlorobenzene
Concen: 2.722 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

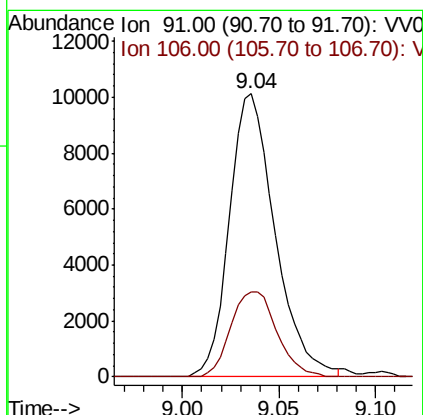
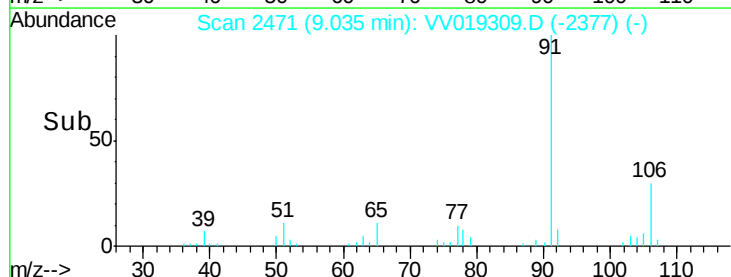
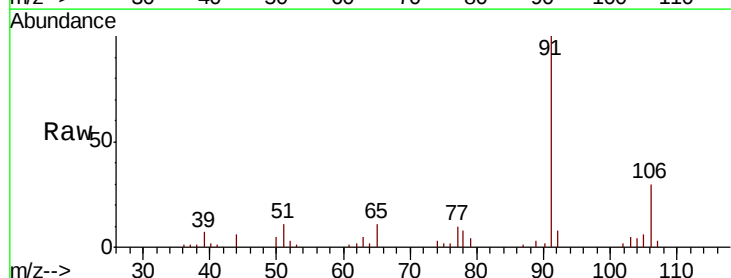
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

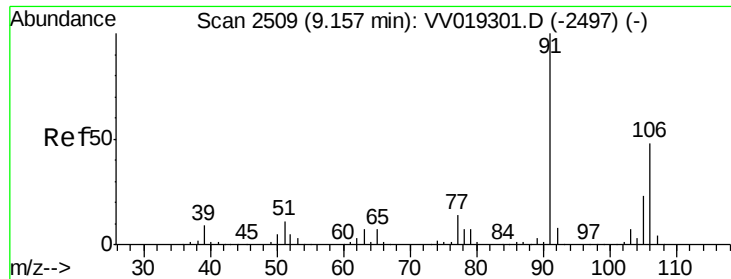
Tot Ion:112 Resp: 11686
Ion Ratio Lower Upper
112 100
114 30.0 22.7 42.1
77 60.5 47.3 70.9



#52
Ethylbenzene
Concen: 2.348 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 91 Resp: 16627
Ion Ratio Lower Upper
91 100
106 30.0 21.6 40.0





#53

m,p-Xylene

Concen: 2.275 ug/L

RT: 9.16 min Scan# 2511

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

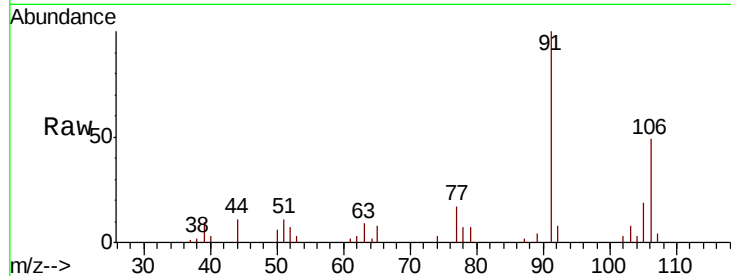
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

Tot Ion:106 Resp: 6032

Ion Ratio Lower Upper

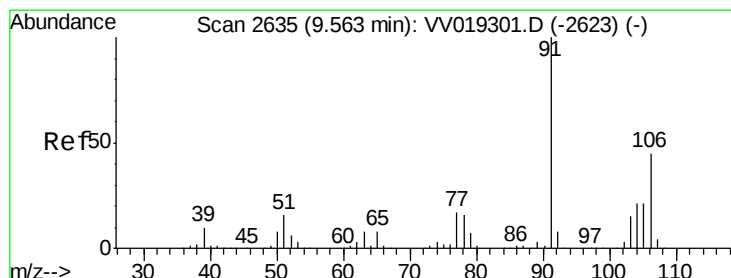
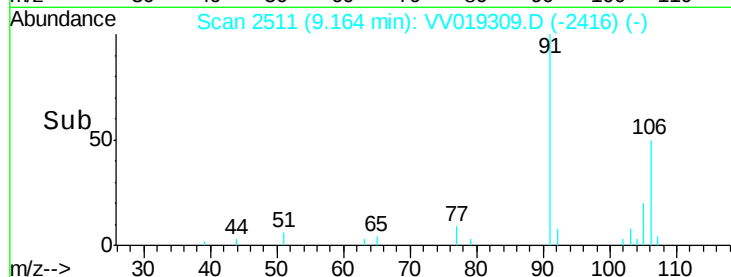
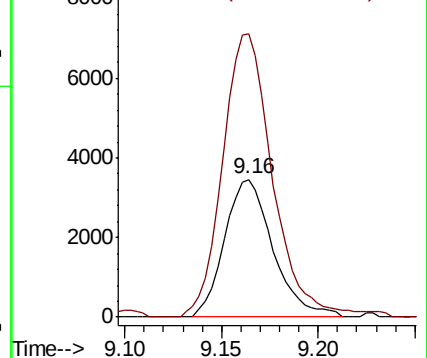
106 100

91 205.3 147.2 273.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-Xylene

Concen: 2.189 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV019309.D

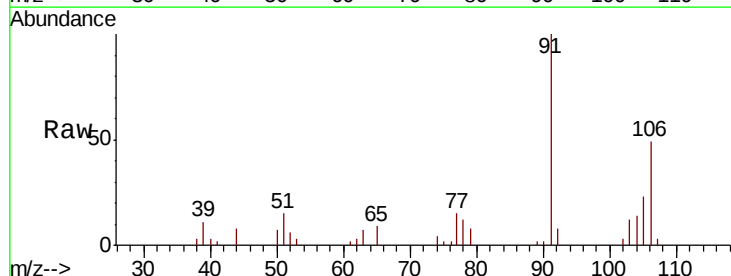
Acq: 09 Nov 2020 17:59

Tgt Ion:106 Resp: 5719

Ion Ratio Lower Upper

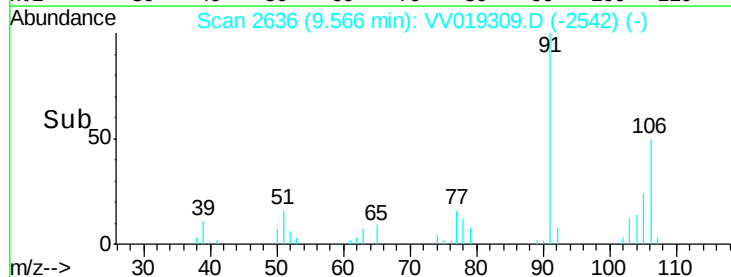
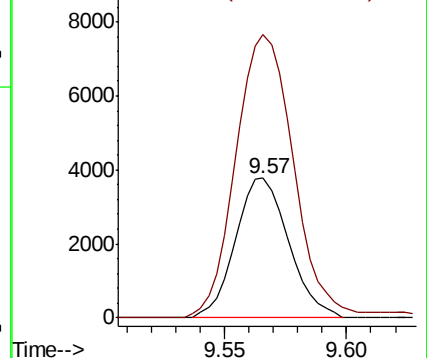
106 100

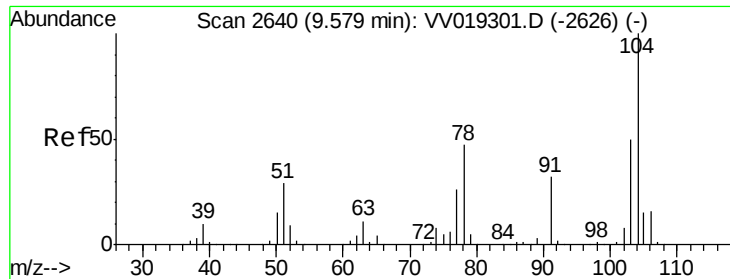
91 202.4 151.6 281.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

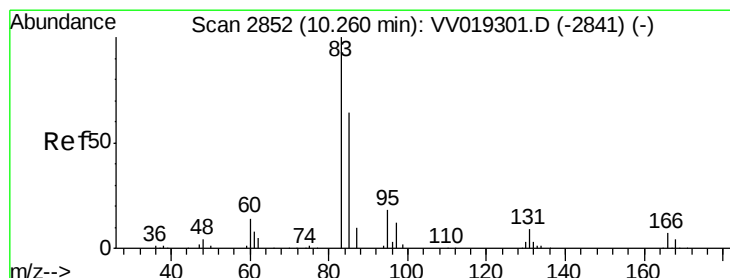
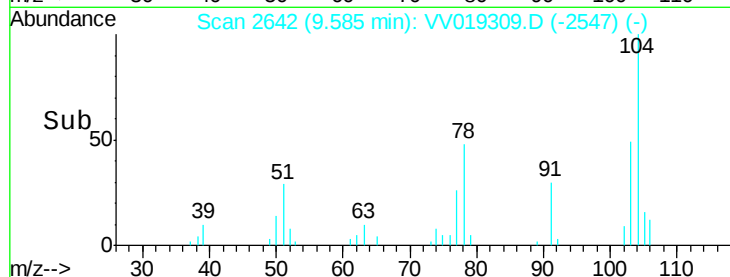
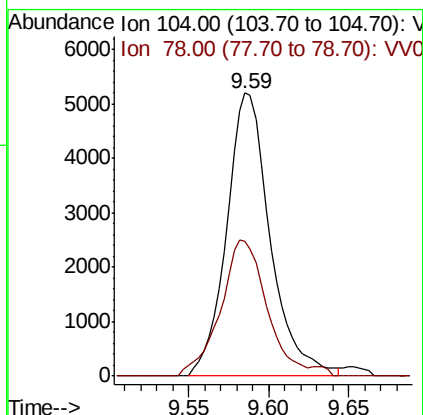
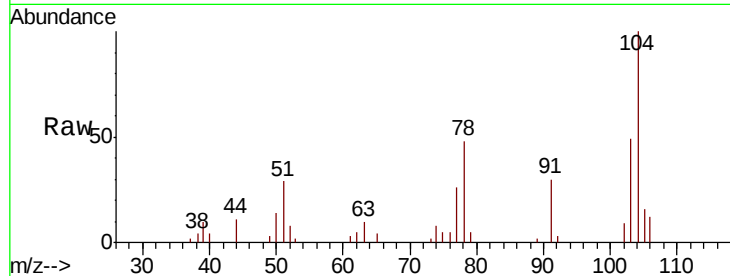




#55
Stvrene
Concen: 2.084 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. 0.01 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

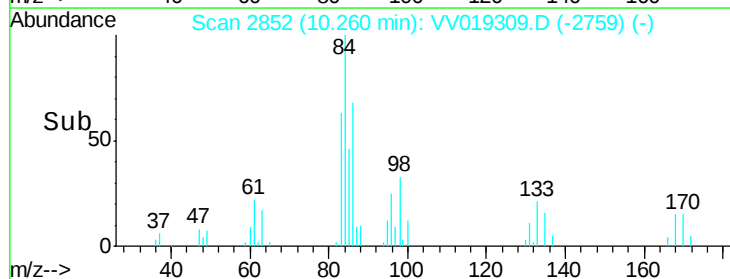
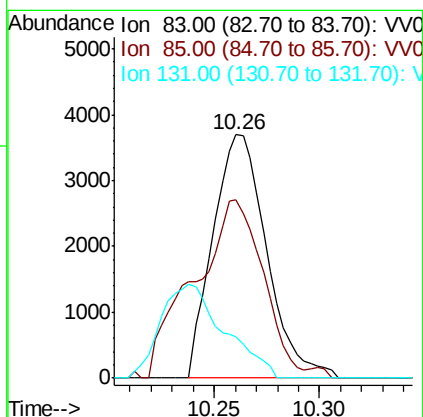
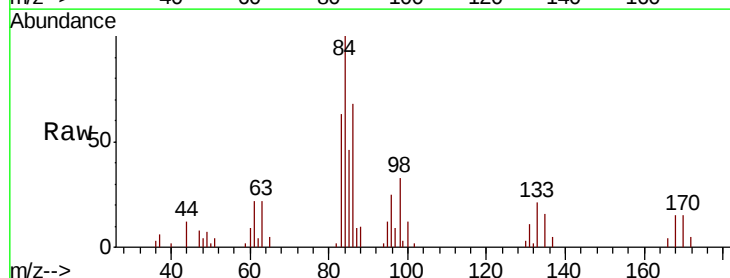
Instrument :
MSVOA_V
ClientSampleId :
MDL-ME-SOIL-05

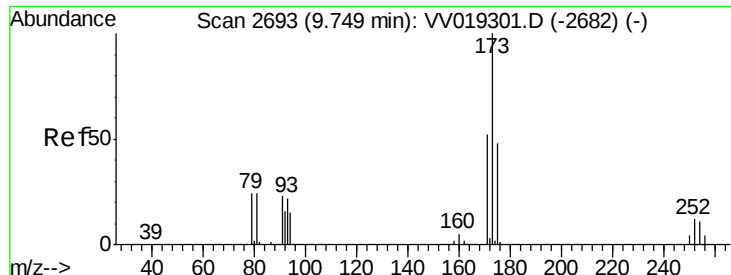
Tot Ion:104 Resp: 9693
Ion Ratio Lower Upper
104 100
78 47.5 32.6 60.5



#57
1,1,2,2-Tetrachloroethane
Concen: 2.757 ug/L
RT: 10.26 min Scan# 2852
Delta R.T. 0.00 min
Lab File: VV019309.D
Acq: 09 Nov 2020 17:59

Tgt Ion: 83 Resp: 6533
Ion Ratio Lower Upper
83 100
85 73.1 45.0 83.6
131 17.1 8.9 13.3#





#59

Bromoform

Concen: 2.560 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

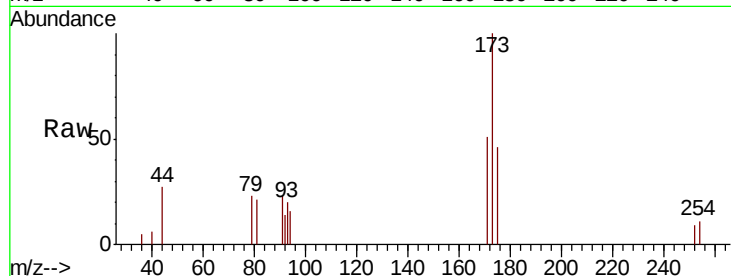
Tot Ion:173 Resp: 3356

Ion Ratio Lower Upper

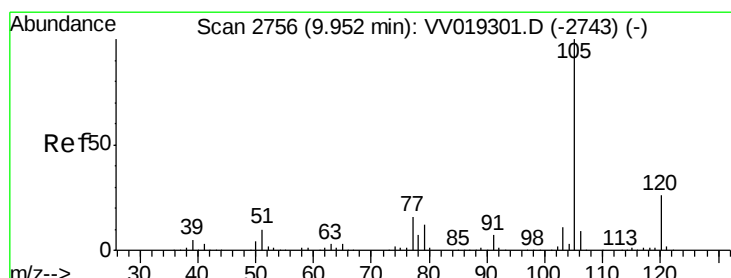
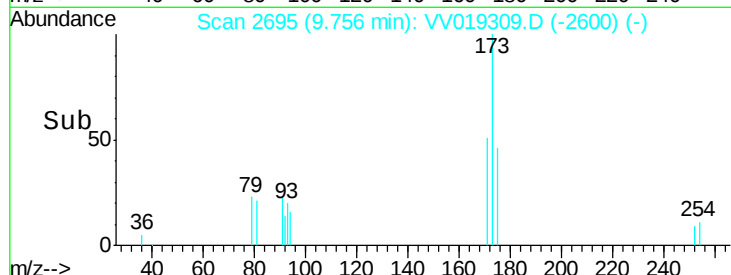
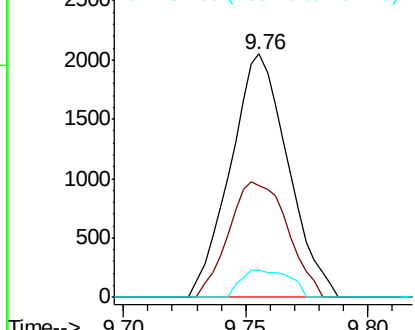
173 100

175 48.5 38.4 57.6

254 5.4 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: 2.413 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

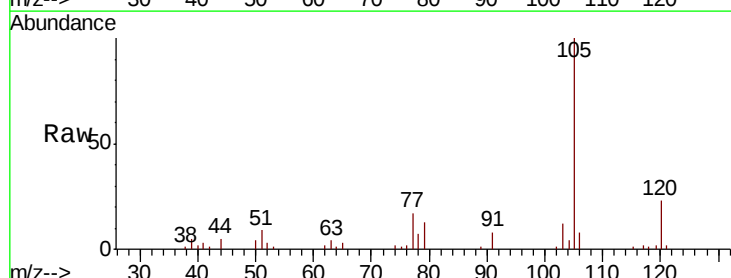
Tgt Ion:105 Resp: 14937

Ion Ratio Lower Upper

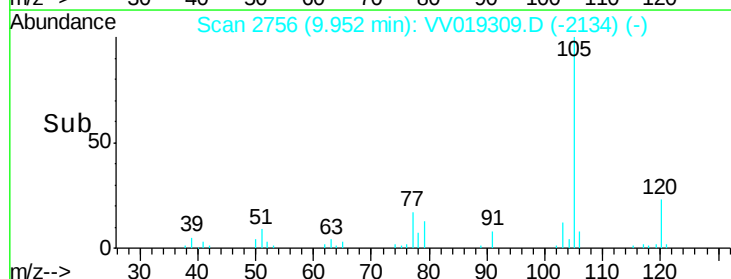
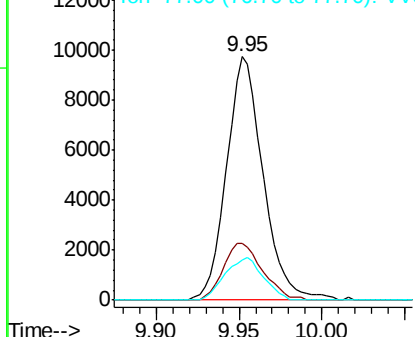
105 100

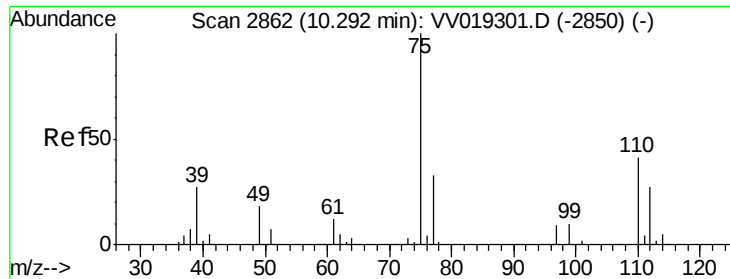
120 24.9 21.0 31.4

77 18.2 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): V

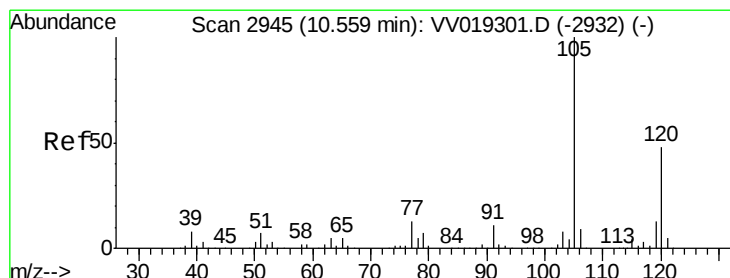
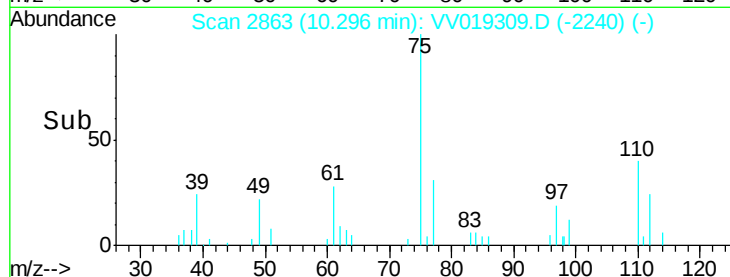
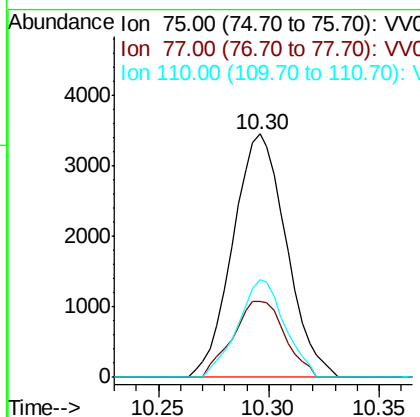
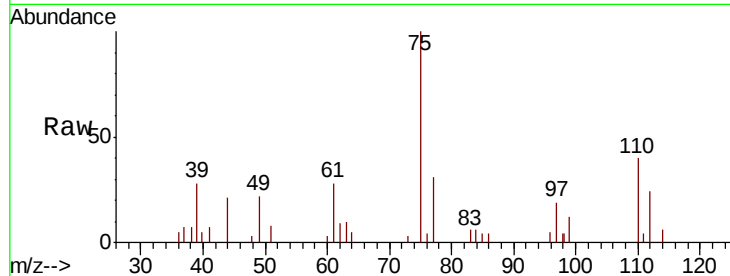




#61
 1,2,3-Trichloropropane
 Concen: 3.173 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

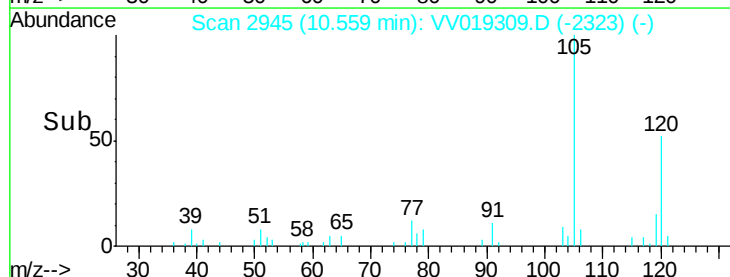
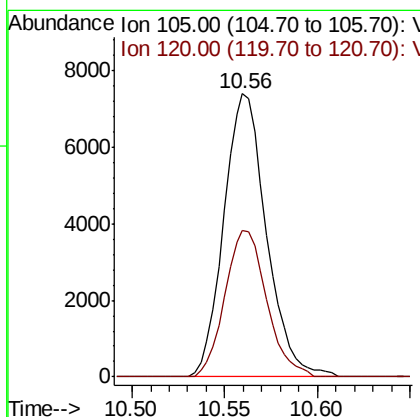
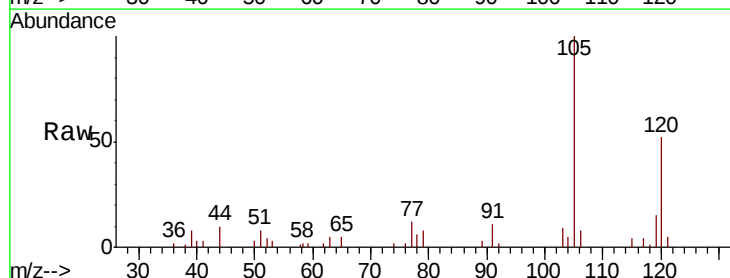
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-05

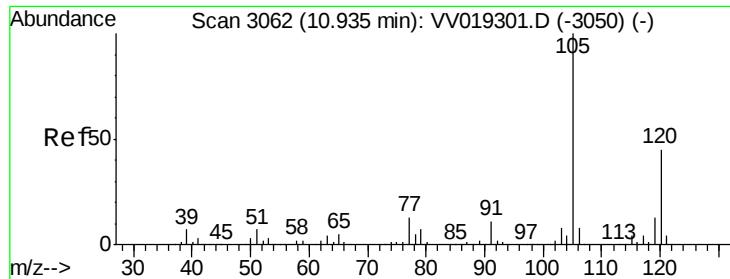
Tot Ion: 75 Resp: 5822
 Ion Ratio Lower Upper
 75 100
 77 30.4 24.8 37.2
 110 35.2 33.4 50.2



#62
 1,3,5-Trimethylbenzene
 Concen: 2.291 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

Tgt Ion: 105 Resp: 11812
 Ion Ratio Lower Upper
 105 100
 120 50.5 38.3 57.5

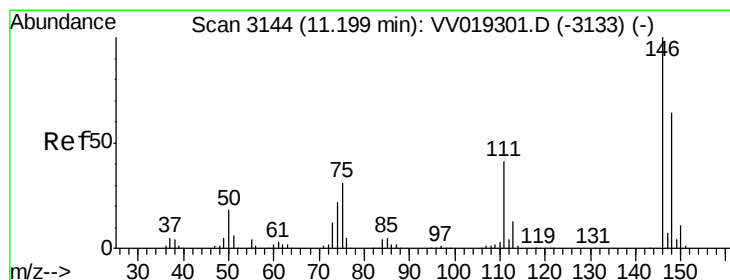
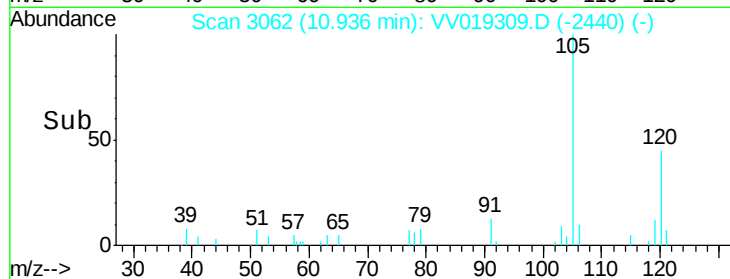
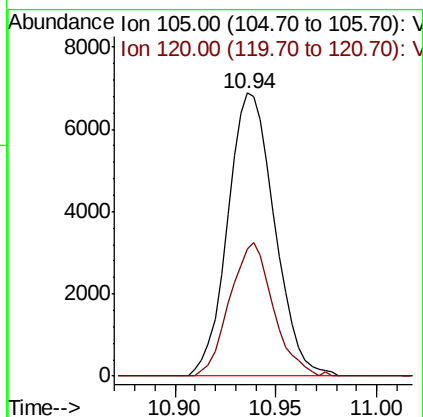
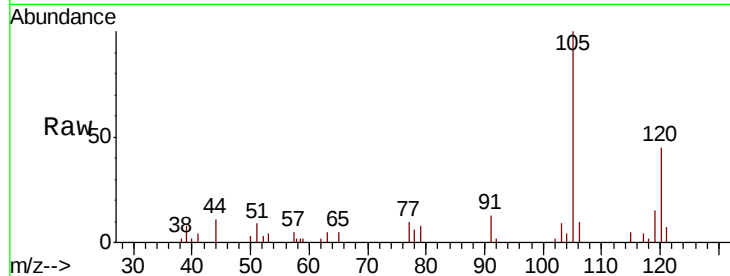




#63
 1,2,4-Trimethylbenzene
 Concen: 2.215 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

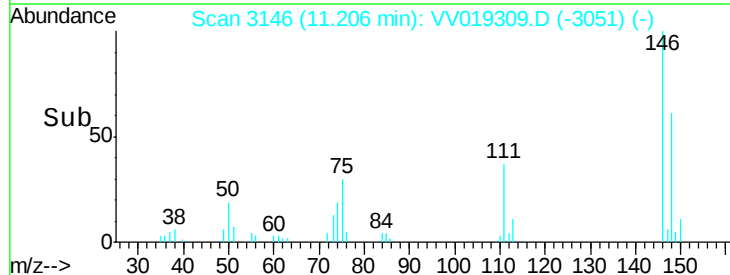
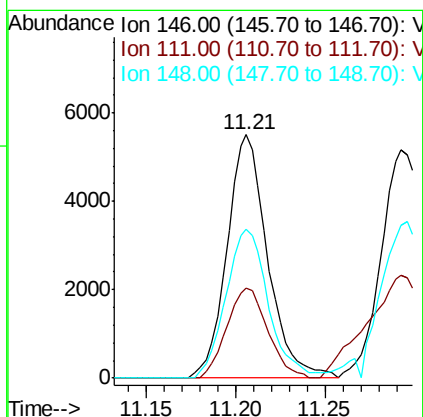
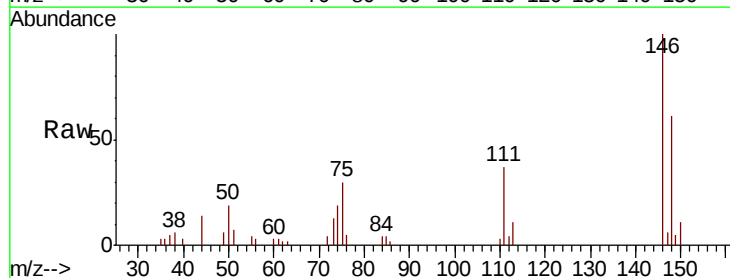
Instrument :
 MSVOA_V
 ClientSampleId :
 MDL-ME-SOIL-05

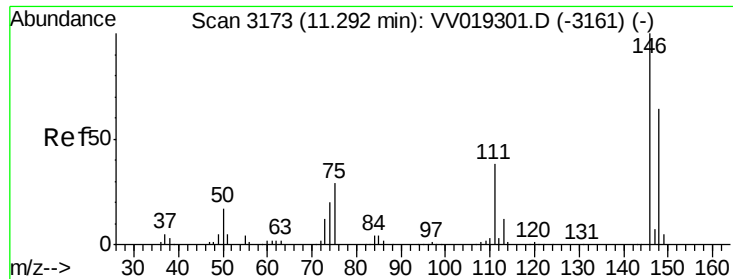
Tot Ion:105 Resp: 11174
 Ion Ratio Lower Upper
 105 100
 120 43.7 35.7 53.5



#64
 1,3-Dichlorobenzene
 Concen: 2.676 ug/L
 RT: 11.21 min Scan# 3146
 Delta R.T. 0.01 min
 Lab File: VV019309.D
 Acq: 09 Nov 2020 17:59

Tgt Ion:146 Resp: 8665
 Ion Ratio Lower Upper
 146 100
 111 36.9 27.3 50.7
 148 61.1 45.2 84.0





#65

1,4-Dichlorobenzene

Concen: 2.771 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

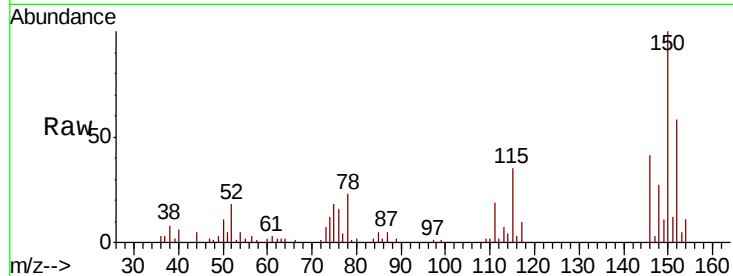
Tot Ion:146 Resp: 9282

Ion Ratio Lower Upper

146 100

111 45.3 25.9 48.1

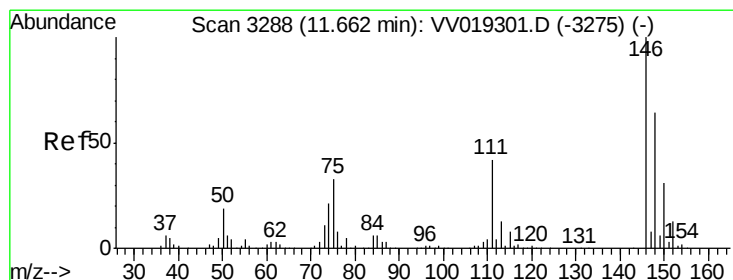
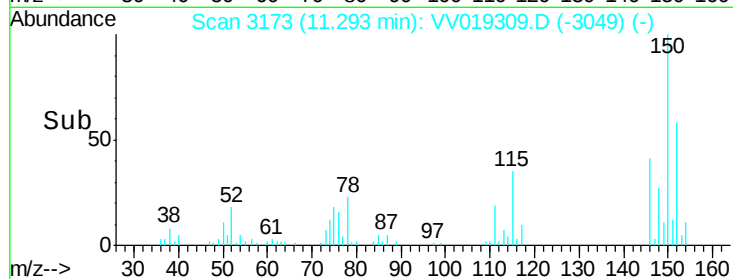
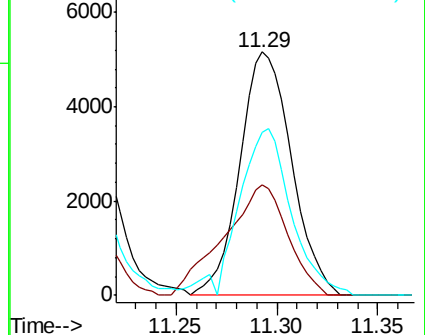
148 67.0 44.9 83.5



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: 2.871 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

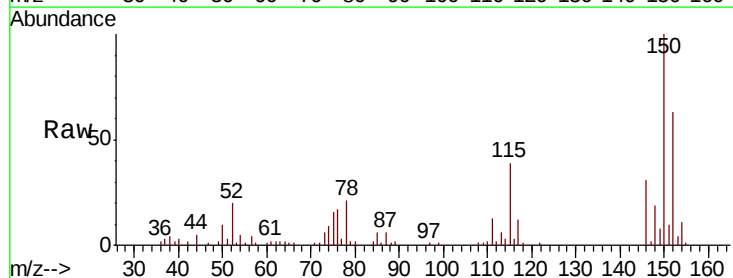
Tgt Ion:146 Resp: 9511

Ion Ratio Lower Upper

146 100

111 44.1 32.6 48.8

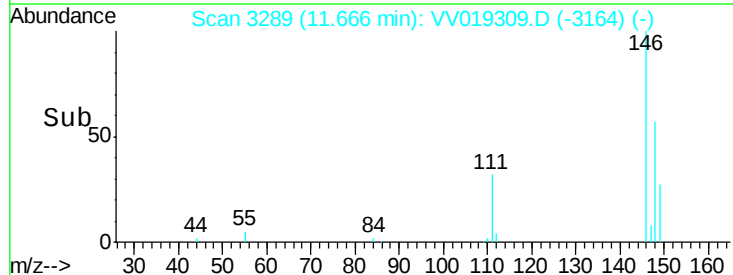
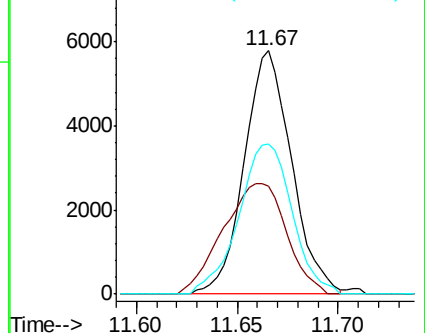
148 61.6 50.1 75.1

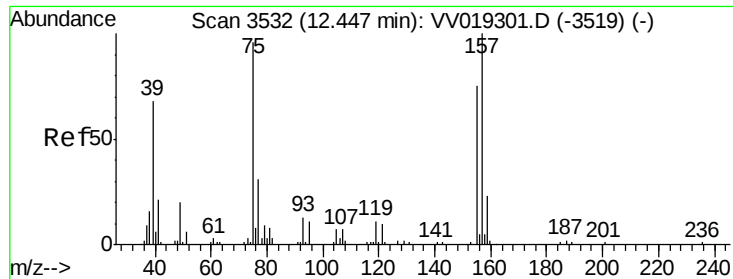


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#68

1,2-Dibromo-3-chloropropane

Concen: 2.725 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

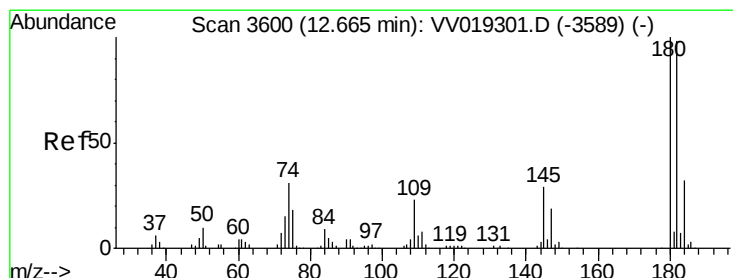
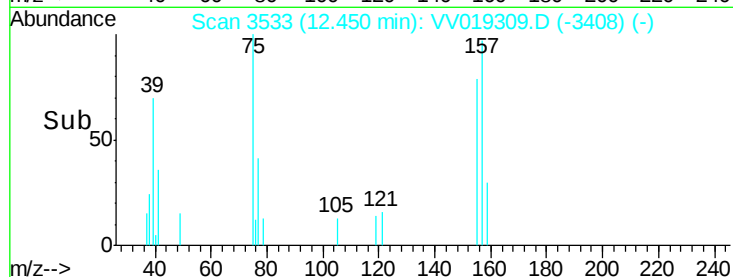
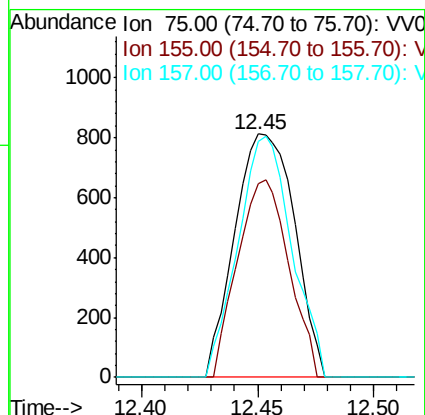
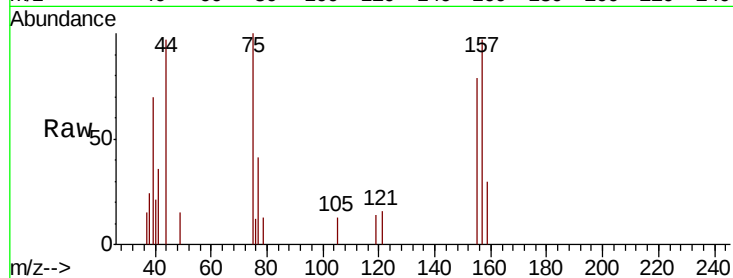
Tot Ion: 75 Resp: 1459

Ion Ratio Lower Upper

75 100

155 79.3 65.8 98.6

157 96.8 86.3 129.5



#69

1,3,5-Trichlorobenzene

Concen: 2.604 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Tgt Ion: 180 Resp: 6053

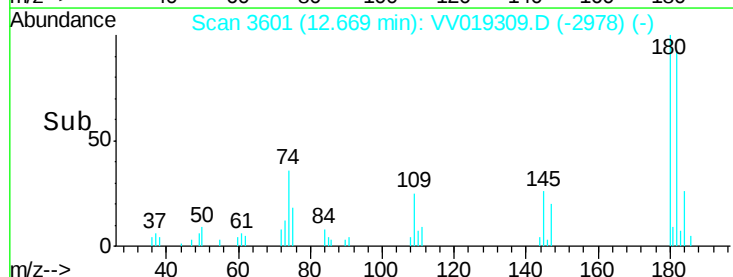
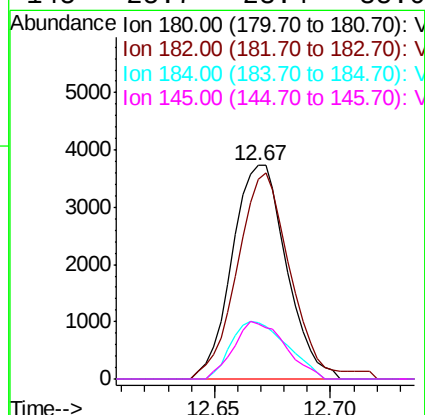
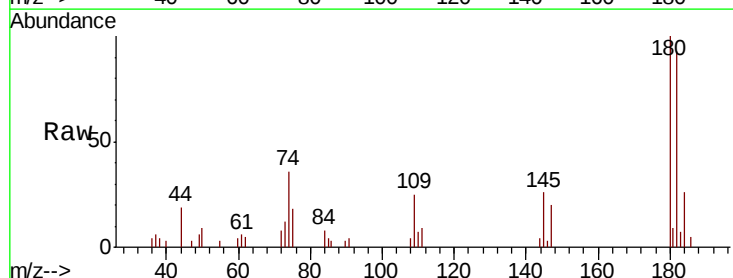
Ion Ratio Lower Upper

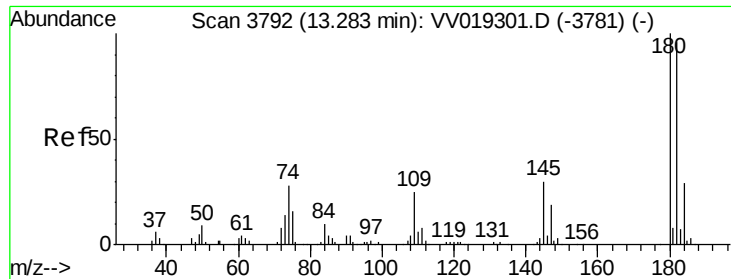
180 100

182 93.1 77.7 116.5

184 27.8 24.9 37.3

145 25.7 23.4 35.0





#70

1,2,4-trichlorobenzene

Concen: 2.220 ug/L

RT: 13.29 min Scan# 3794

Delta R.T. 0.01 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

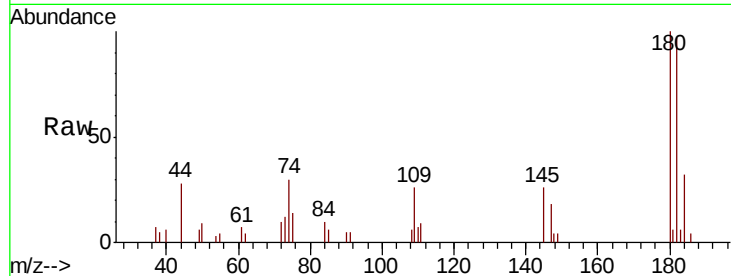
Tot Ion:180 Resp: 4856

Ion Ratio Lower Upper

180 100

182 92.5 76.6 114.8

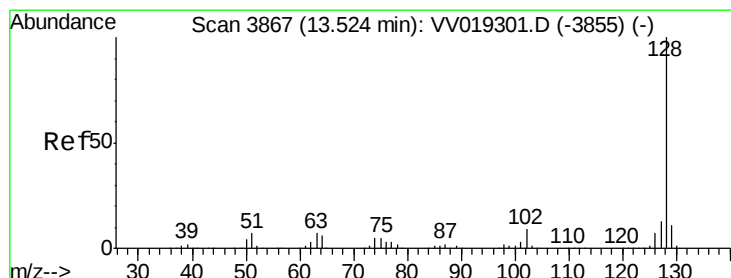
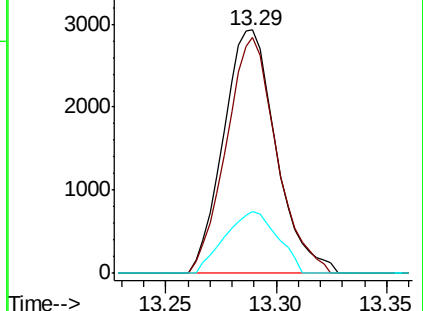
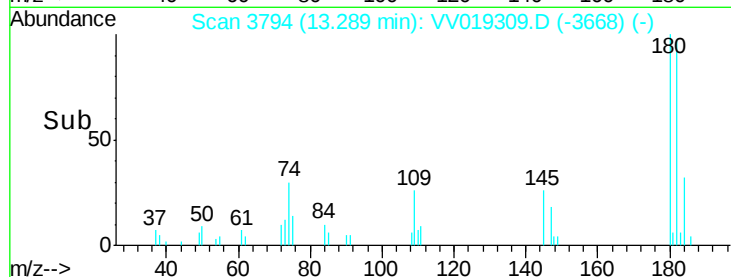
145 25.5 23.2 34.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#71

Naphthalene

Concen: 1.681 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

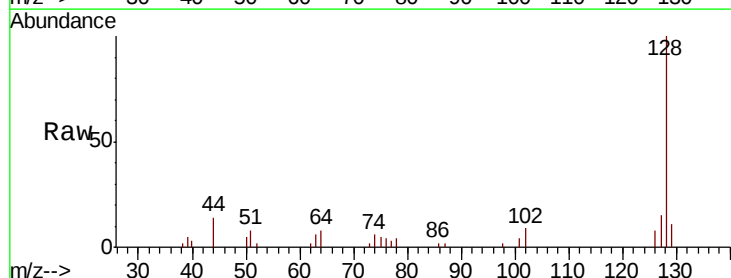
Tgt Ion:128 Resp: 10368

Ion Ratio Lower Upper

128 100

127 13.9 10.7 16.1

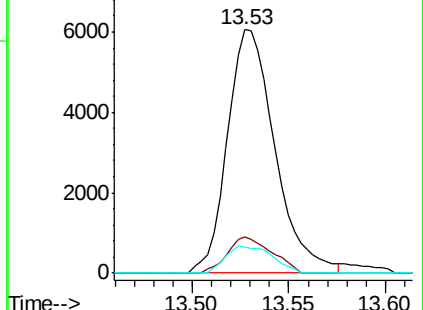
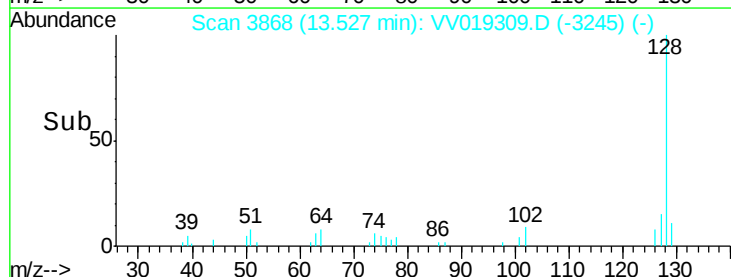
129 11.0 8.6 13.0

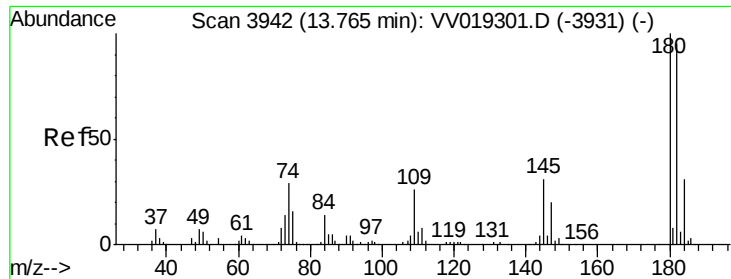


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#72

1,2,3-Trichlorobenzene

Concen: 2.231 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV019309.D

Acq: 09 Nov 2020 17:59

Instrument :

MSVOA_V

ClientSampleId :

MDL-ME-SOIL-05

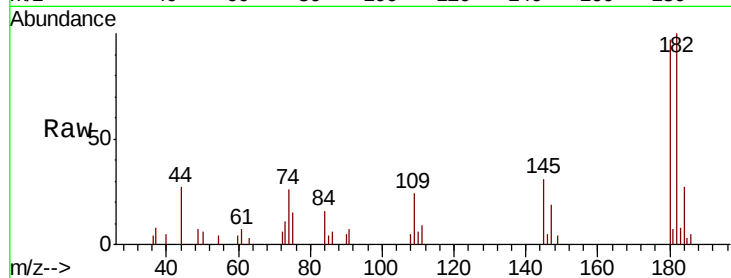
Tot Ion:180 Resp: 4837

Ion Ratio Lower Upper

180 100

182 97.2 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

