

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071222\
 Data File : U049690.D
 Acq On : 12 Jul 2022 13:18
 Operator : SY/MD
 Sample : N3670-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-03

Quant Time: Jul 13 06:53:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.250	114	193800	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	179172	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	81879	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	76506	46.788	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	93.580%
7) Chloroethane-d5	1.906	69	59989	50.753	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.500%
11) 1,1-Dichloroethene-d2	2.565	63	104492	36.177	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	72.360%
21) 2-Butanone-d5	4.620	46	172060	123.261	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	123.260%
24) Chloroform-d	5.063	84	150072	51.818	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.640%
26) 1,2-Dichloroethane-d4	5.700	65	107685	54.938	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	109.880%
32) Benzene-d6	5.726	84	290987	53.459	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.920%
36) 1,2-Dichloropropane-d6	6.690	67	103227	56.382	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	112.760%
41) Toluene-d8	7.896	98	243562	51.382	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.760%
43) trans-1,3-Dichloroprop...	8.179	79	40291	52.232	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.460%
47) 2-Hexanone-d5	8.632	63	96503	117.177	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	117.180%
56) 1,1,2,2-Tetrachloroeth...	10.758	84	142932	55.794	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	111.580%
66) 1,2-Dichlorobenzene-d4	12.192	152	84054	54.447	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	108.900%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.385	85	5602	2.411	ug/L	95
3) Chloromethane	1.523	50	8996	3.528	ug/L	94
5) Vinyl chloride	1.604	62	5976	2.594	ug/L #	76
6) Bromomethane	1.845	94	3233	3.037	ug/L	100
8) Chloroethane	1.925	64	3449	2.702	ug/L	94
9) Trichlorofluoromethane	2.134	101	6915	2.430	ug/L	99
10) 1,1,2-Trichloro-1,2,2-...	2.571	101	3991	2.673	ug/L #	72
12) 1,1-Dichloroethene	2.575	96	4118	2.972	ug/L #	1
13) Acetone	2.629	43	6469	4.876	ug/L	99
14) Carbon disulfide	2.790	76	10842	2.320	ug/L	99
15) Methyl Acetate	2.951	43	6416	2.977	ug/L	91
16) Methylene chloride	3.041	84	5507	3.156	ug/L	98
17) trans-1,2-Dichloroethene	3.353	96	3734	2.463	ug/L	97
18) Methyl tert-butyl Ether	3.366	73	13392	2.579	ug/L #	94
19) 1,1-Dichloroethane	3.867	63	8489	2.690	ug/L	90
20) cis-1,2-Dichloroethene	4.665	96	4520	2.653	ug/L	95
22) 2-Butanone	4.713	43	10101	5.687	ug/L	79
23) Bromochloromethane	4.980	128	2176	2.560	ug/L	96
27) 1,2-Dichloroethane	5.796	62	7767	2.883	ug/L	97

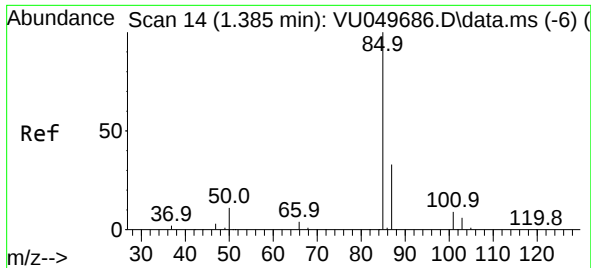
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071222\
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Instrument :
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 MDL-MED-SOIL-QT2-2022-03

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 Quant Title : VOC Analysis
 QLast Update : Wed Jul 13 06:51:38 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.391	56	6228	2.227	ug/L	94
30) 1,1,1-Trichloroethane	5.317	97	6730	2.595	ug/L	98
31) Carbon tetrachloride	5.520	117	4924	2.321	ug/L	99
33) Benzene	5.774	78	18181	2.700	ug/L	100
35) Methylcyclohexane	6.761	83	5810	2.271	ug/L #	84
37) 1,2-Dichloropropane	6.790	63	4964	2.659	ug/L #	95
38) Bromodichloromethane	7.108	83	5854	2.529	ug/L	100
39) cis-1,3-Dichloropropene	7.610	75	5957	2.366	ug/L	93
40) 4-Methyl-2-pentanone	7.793	43	17274	5.716	ug/L	96
42) Toluene	7.970	91	16078	2.402	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	4861	2.056	ug/L	90
45) 1,1,2-Trichloroethane	8.401	97	4647	2.852	ug/L	92
46) Tetrachloroethene	8.555	164	2889	2.559	ug/L	89
48) 2-Hexanone	8.684	43	21392	8.858	ug/L	98
49) Dibromochloromethane	8.809	129	4495	2.743	ug/L	90
50) 1,2-Dibromoethane	8.925	107	4411	2.725	ug/L #	98
51) Chlorobenzene	9.449	112	10475	2.584	ug/L	91
52) Ethylbenzene	9.571	91	16354	2.315	ug/L	94
53) m,p-Xylene	9.693	106	5910	2.301	ug/L	94
54) o-Xylene	10.099	106	5988	2.315	ug/L	97
55) Styrene	10.115	104	9110	2.135	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.780	83	8429	2.890	ug/L #	95
59) Bromoform	10.288	173	2771	2.523	ug/L #	90
60) 1,2,3-Trichloropropane	10.822	75	6856	3.144	ug/L	96
61) Isopropylbenzene	10.484	105	14960	2.447	ug/L	95
62) 1,3,5-Trimethylbenzene	11.089	105	11589	2.247	ug/L	97
63) 1,2,4-Trimethylbenzene	11.468	105	10687	2.086	ug/L	96
64) 1,3-Dichlorobenzene	11.745	146	7073	2.650	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	6963	2.597	ug/L	99
67) 1,2-Dichlorobenzene	12.214	146	7660	2.760	ug/L	99
68) 1,2-Dibromo-3-chloropr...	12.996	75	1733	2.712	ug/L	96
69) 1,3,5-Trichlorobenzene	13.221	180	5186	2.773	ug/L	94
70) 1,2,4-trichlorobenzene	13.841	180	4059	2.365	ug/L	95
71) Naphthalene	14.089	128	13801	2.249	ug/L	96
72) 1,2,3-Trichlorobenzene	14.333	180	4410	2.481	ug/L	99

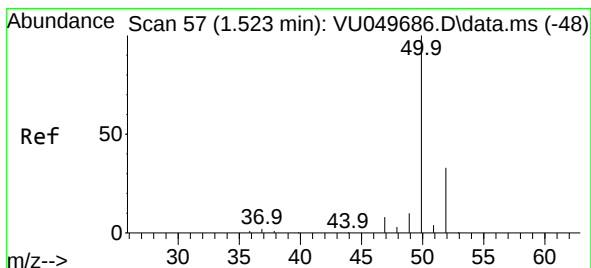
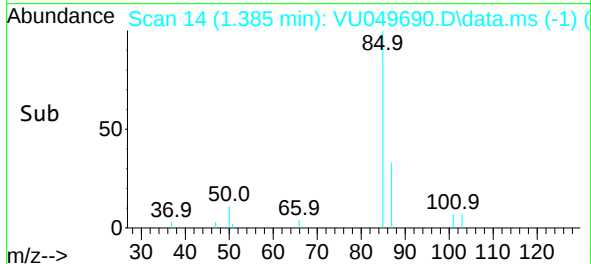
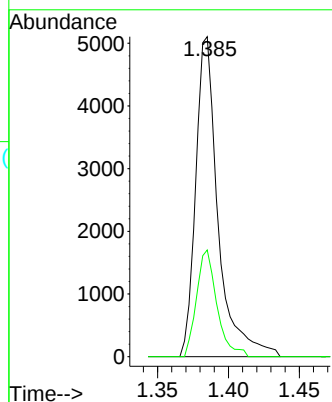
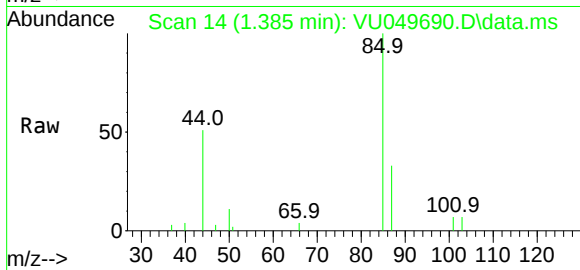
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#2
Dichlorodifluoromethane
Concen: 2.411 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

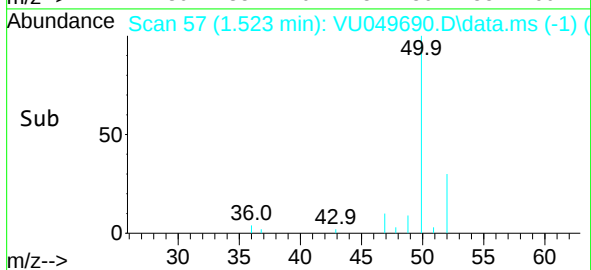
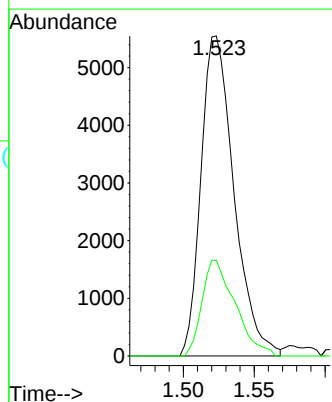
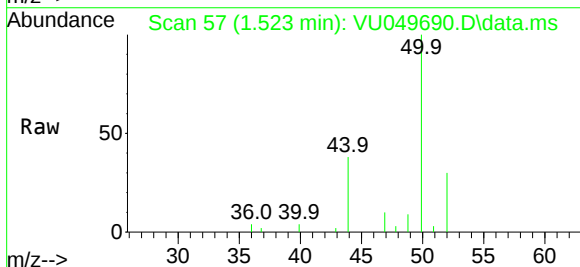
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

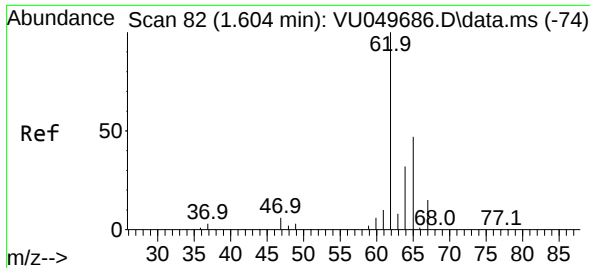
Tgt Ion: 85 Resp: 5602
Ion Ratio Lower Upper
85 100
87 30.0 26.3 39.5



#3
Chloromethane
Concen: 3.528 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 50 Resp: 8996
Ion Ratio Lower Upper
50 100
52 29.9 23.2 43.0

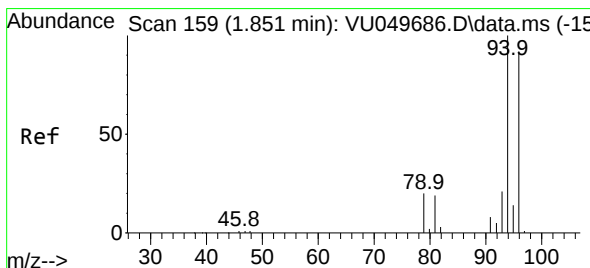
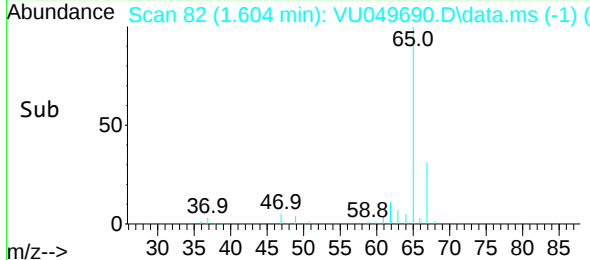
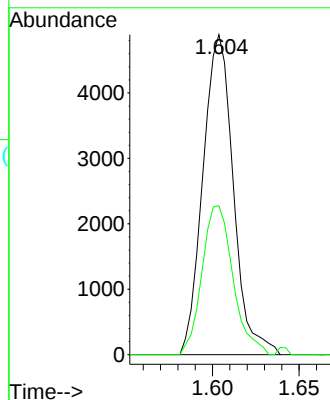
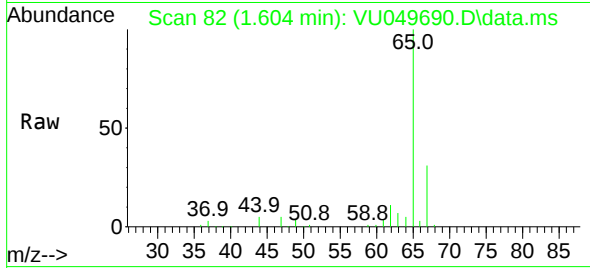




#5
 Vinyl chloride
 Concen: 2.594 ug/L
 RT: 1.604 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: VU049690.D
 Acq: 12 Jul 2022 13:18

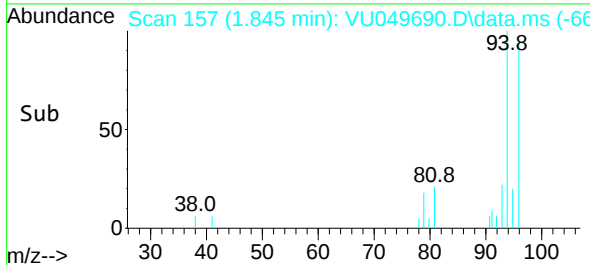
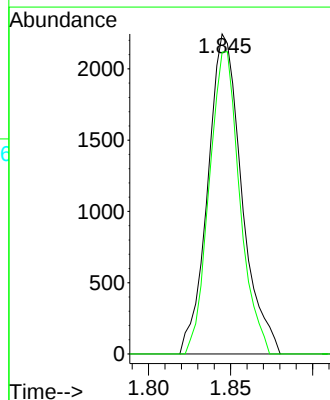
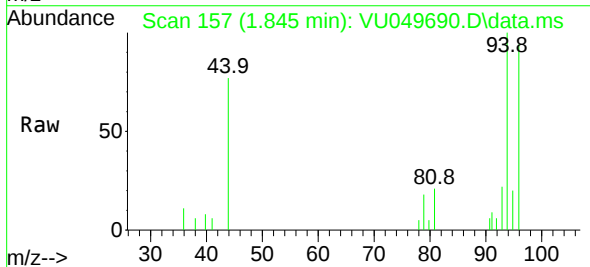
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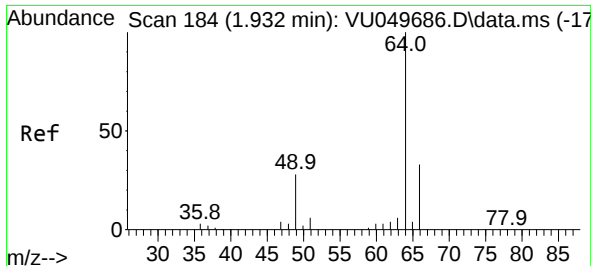
Tgt Ion: 62 Resp: 5976
 Ion Ratio Lower Upper
 62 100
 64 46.5 23.0 42.6#



#6
 Bromomethane
 Concen: 3.037 ug/L
 RT: 1.845 min Scan# 157
 Delta R.T. -0.007 min
 Lab File: VU049690.D
 Acq: 12 Jul 2022 13:18

Tgt Ion: 94 Resp: 3233
 Ion Ratio Lower Upper
 94 100
 96 94.3 66.1 122.7

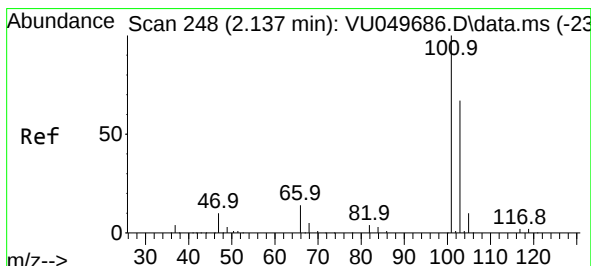
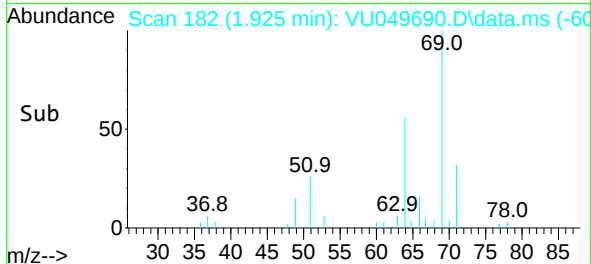
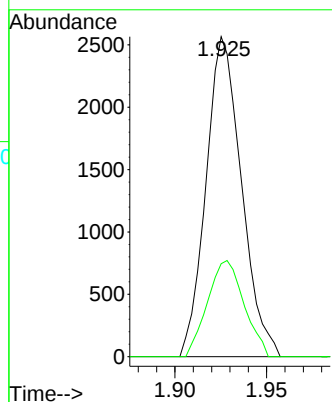
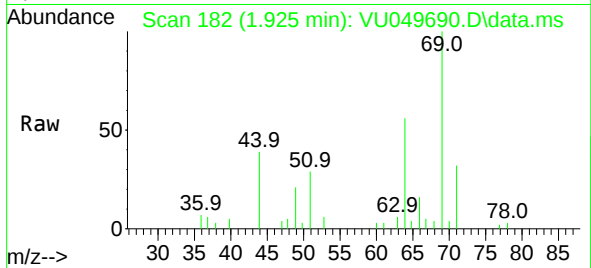




#8
Chloroethane
Concen: 2.702 ug/L
RT: 1.925 min Scan# 11
Delta R.T. -0.007 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

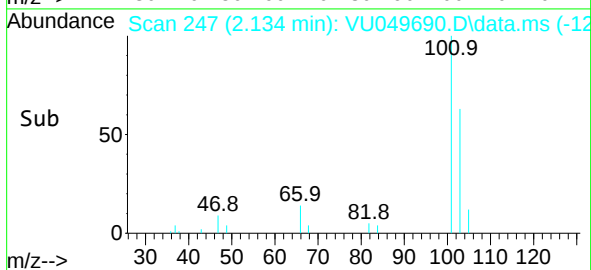
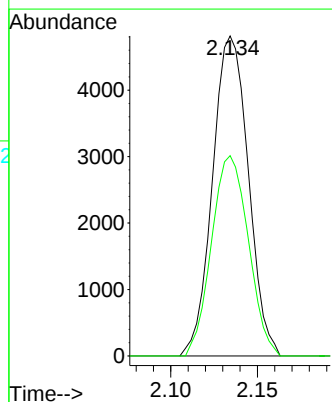
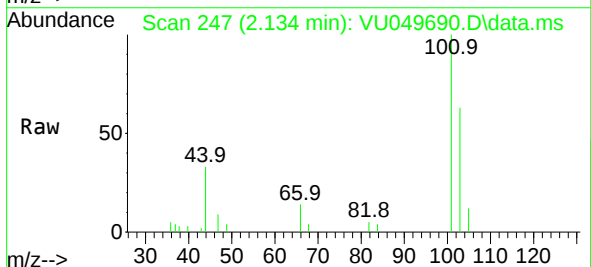
Instrument :
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ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

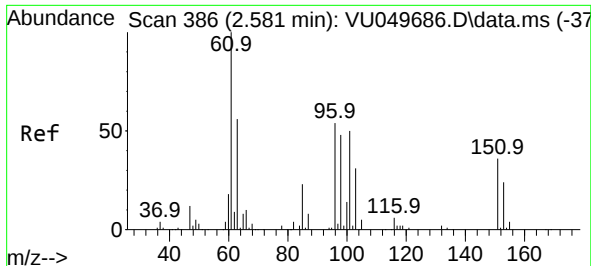
Tgt Ion: 64 Resp: 3449
Ion Ratio Lower Upper
64 100
66 35.0 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.430 ug/L
RT: 2.134 min Scan# 247
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:101 Resp: 6915
Ion Ratio Lower Upper
101 100
103 64.4 52.2 78.4

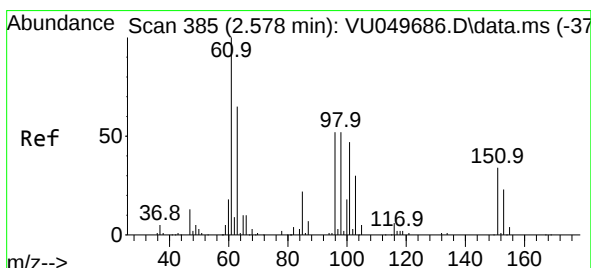
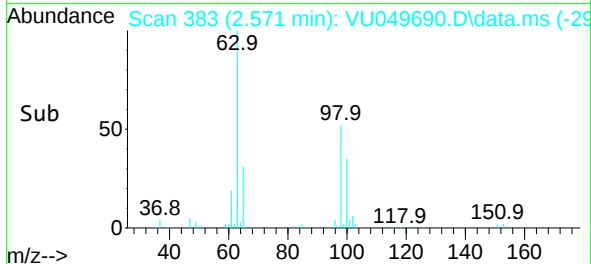
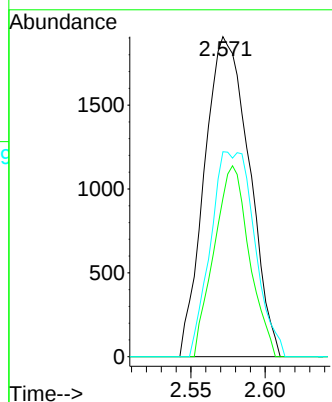
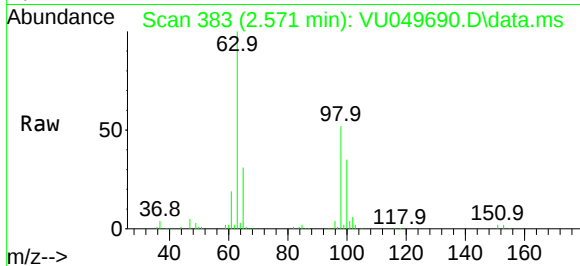




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.673 ug/L
RT: 2.571 min Scan# 383
Delta R.T. -0.010 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

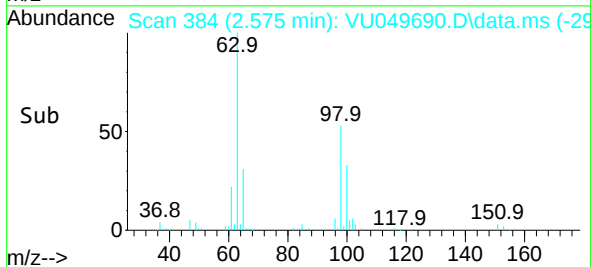
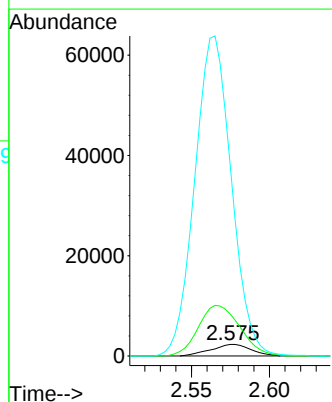
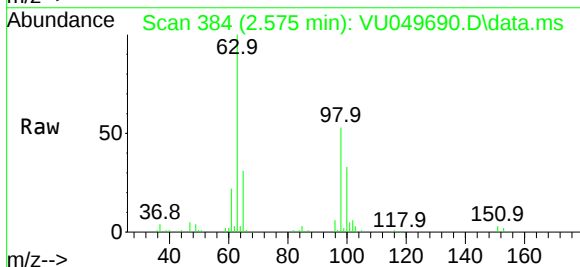
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MDL-MED-SOIL-QT2-2022-03

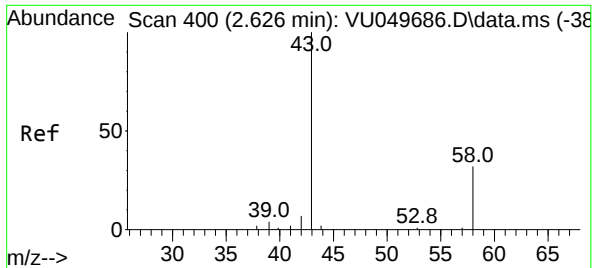
Tgt Ion:101 Resp: 3991
Ion Ratio Lower Upper
101 100
85 46.9 37.3 55.9
151 33.4 56.9 85.3#



#12
1,1-Dichloroethene
Concen: 2.972 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 96 Resp: 4118
Ion Ratio Lower Upper
96 100
61 365.2 129.6 240.6#
63 1664.7 79.0 146.6#





#13

Acetone

Concen: 4.876 ug/L

RT: 2.629 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

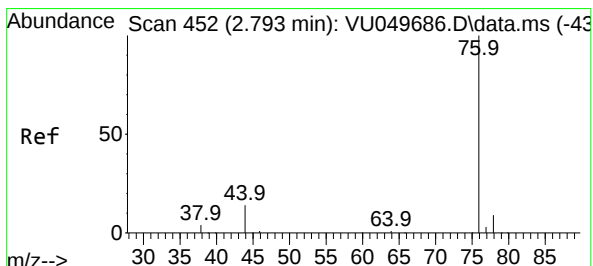
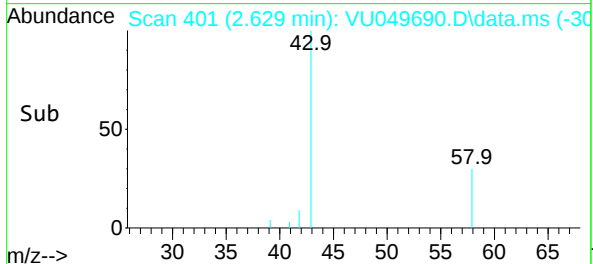
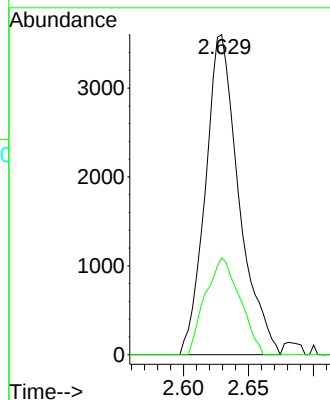
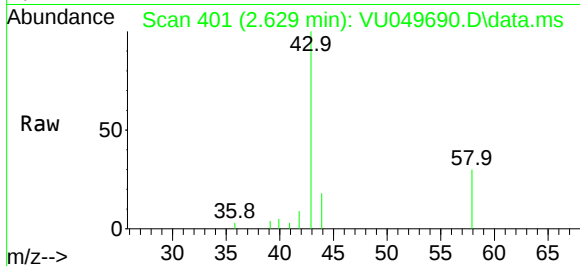
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 43 Resp: 6469

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.4



#14

Carbon disulfide

Concen: 2.320 ug/L

RT: 2.790 min Scan# 451

Delta R.T. -0.003 min

Lab File: VU049690.D

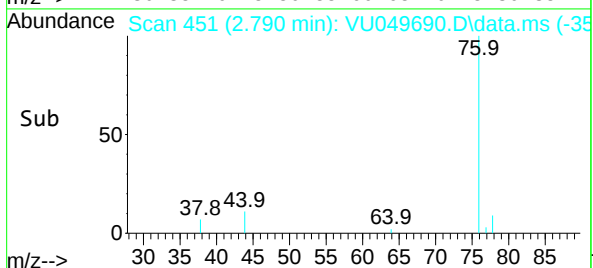
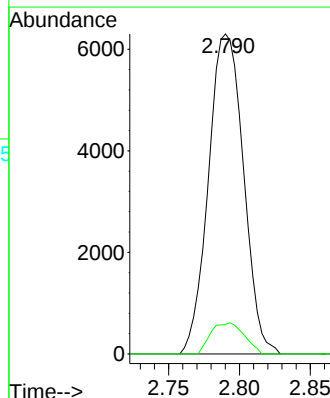
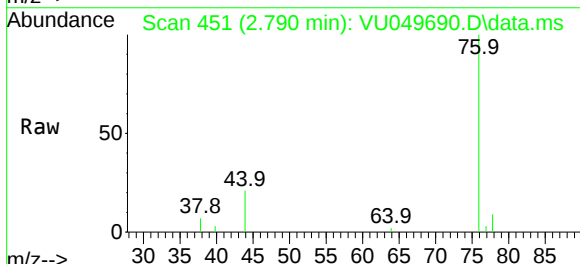
Acq: 12 Jul 2022 13:18

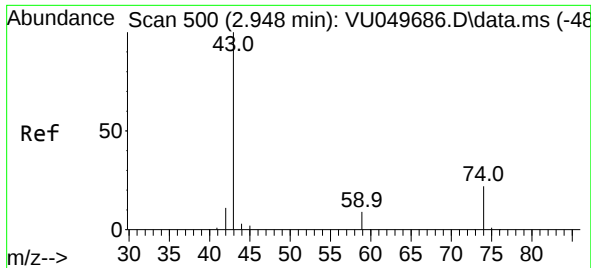
Tgt Ion: 76 Resp: 10842

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4

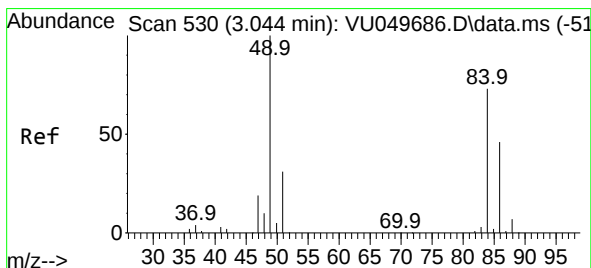
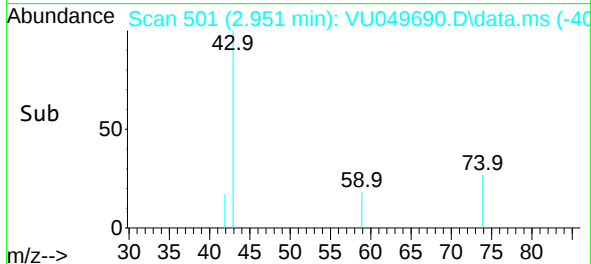
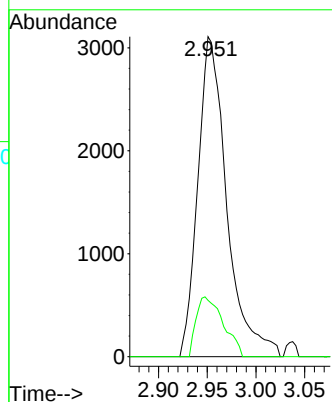
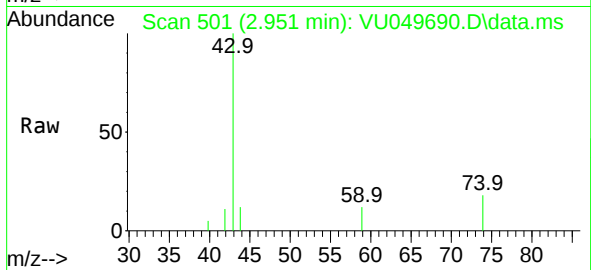




#15
Methyl Acetate
Concen: 2.977 ug/L
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

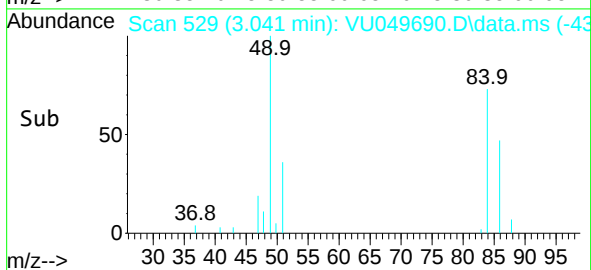
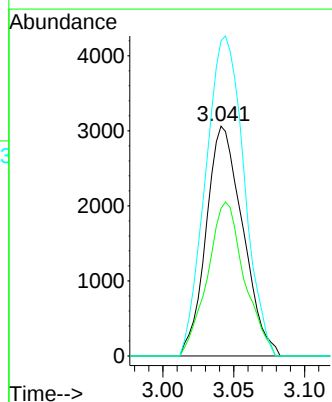
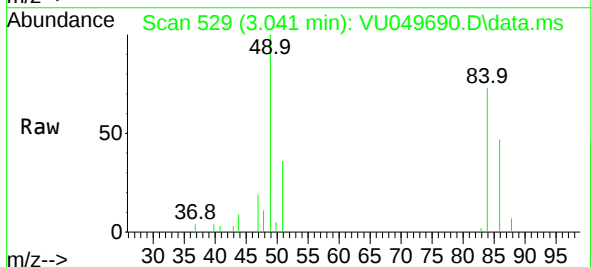
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

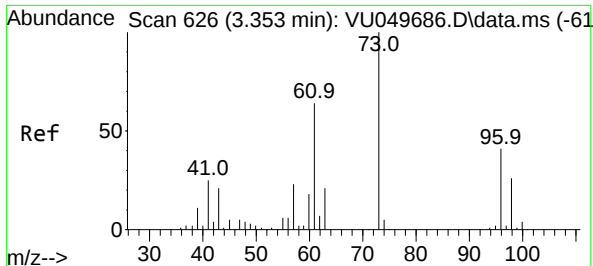
Tgt Ion: 43 Resp: 6416
Ion Ratio Lower Upper
43 100
74 17.5 17.4 26.0



#16
Methylene chloride
Concen: 3.156 ug/L
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 84 Resp: 5507
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 137.2 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 2.463 ug/L

RT: 3.353 min Scan# 61

Delta R.T. -0.000 min

Lab File: VU049690.D

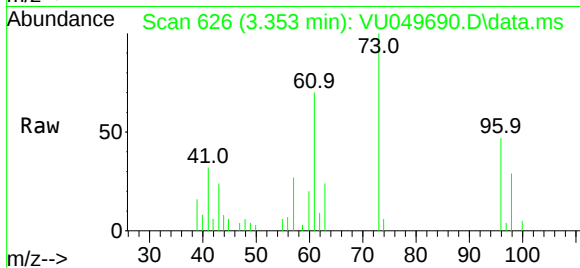
Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03



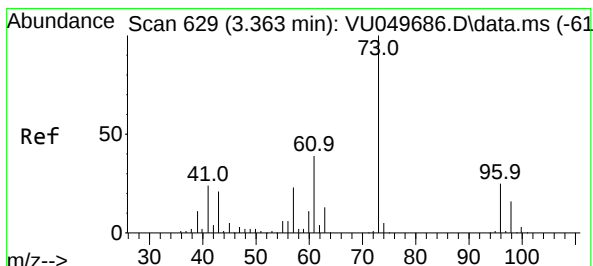
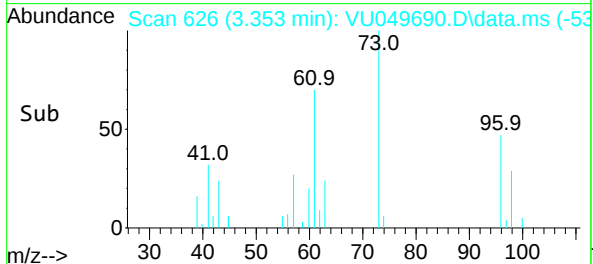
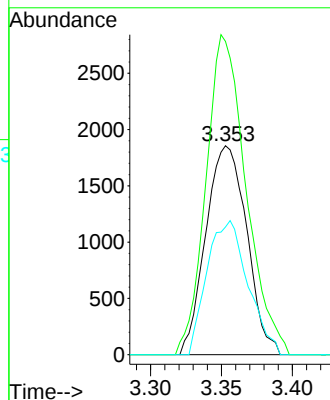
Tgt Ion: 96 Resp: 3734

Ion Ratio Lower Upper

96 100

61 149.9 107.6 199.8

98 61.1 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 2.579 ug/L

RT: 3.366 min Scan# 630

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

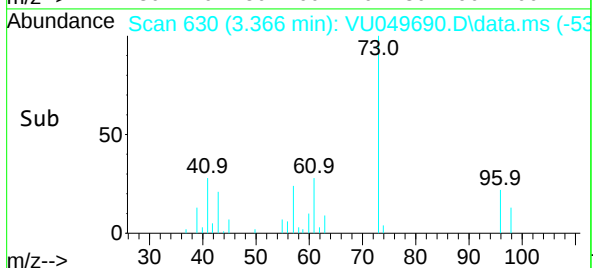
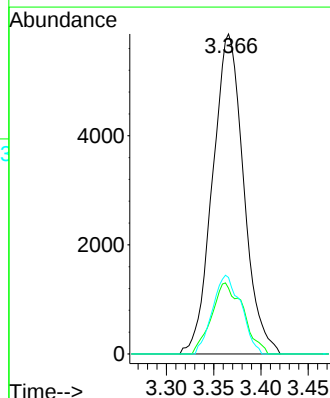
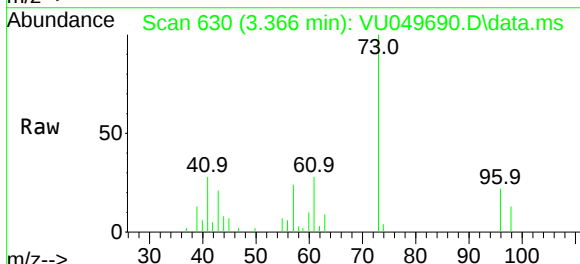
Tgt Ion: 73 Resp: 13392

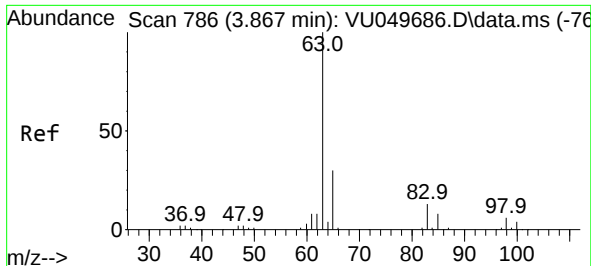
Ion Ratio Lower Upper

73 100

43 15.6 17.0 25.4#

57 22.6 18.5 27.7





#19

1,1-Dichloroethane

Concen: 2.690 ug/L

RT: 3.867 min Scan# 786

Delta R.T. -0.000 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

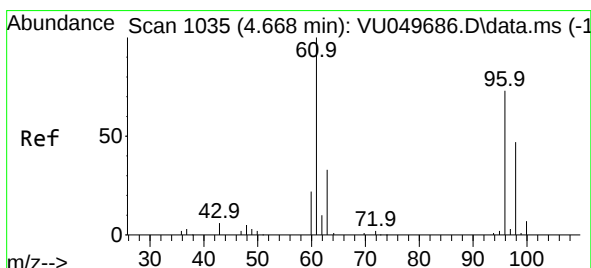
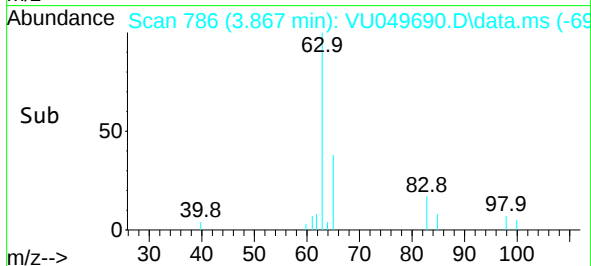
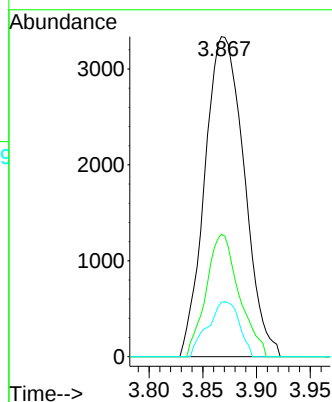
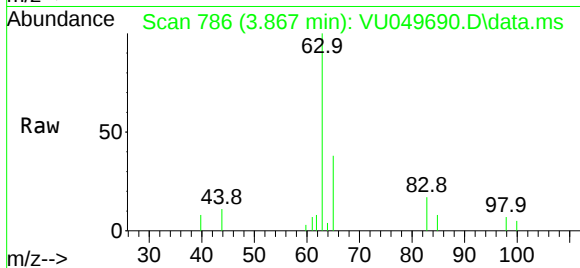
Tgt Ion: 63 Resp: 8489

Ion Ratio Lower Upper

63 100

65 38.3 22.6 42.0

83 17.0 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 2.653 ug/L

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

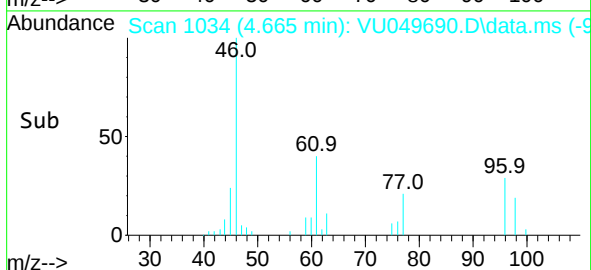
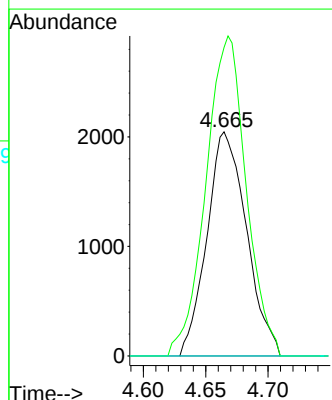
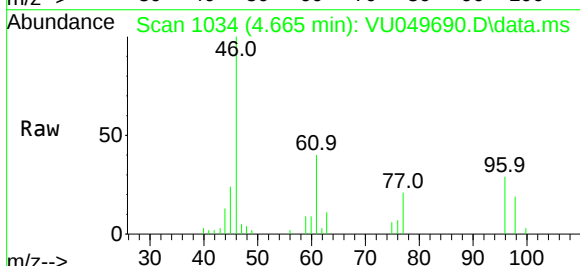
Tgt Ion: 96 Resp: 4520

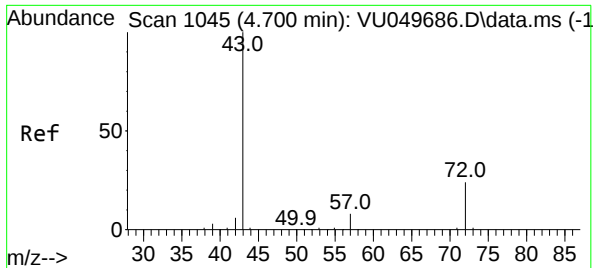
Ion Ratio Lower Upper

96 100

61 137.6 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 5.687 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

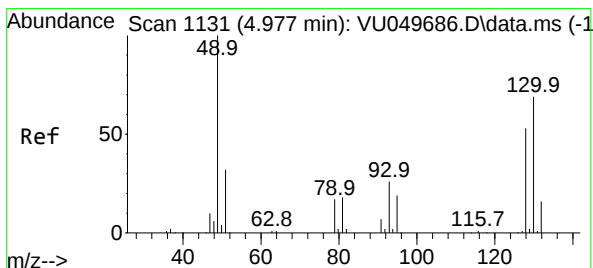
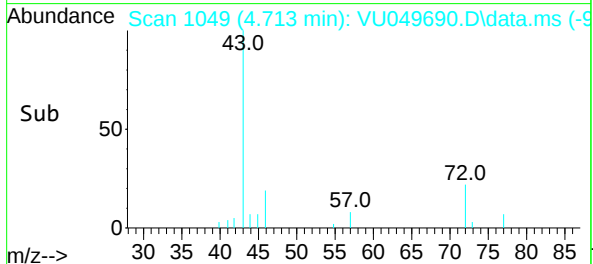
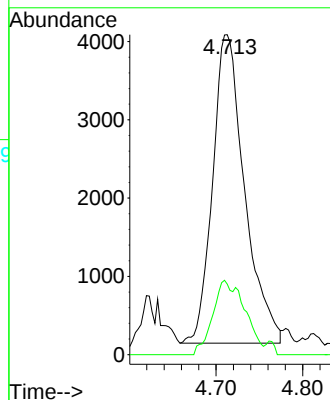
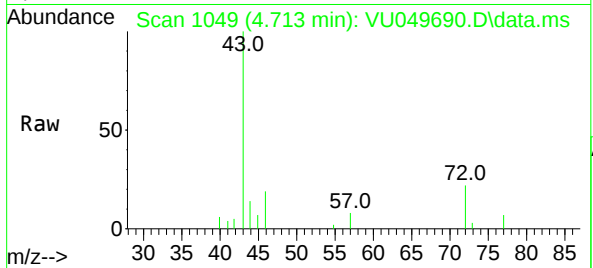
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 43 Resp: 10101

Ion Ratio Lower Upper

43 100

72 14.7 12.7 38.0



#23

Bromochloromethane

Concen: 2.560 ug/L

RT: 4.980 min Scan# 1132

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Tgt Ion: 128 Resp: 2176

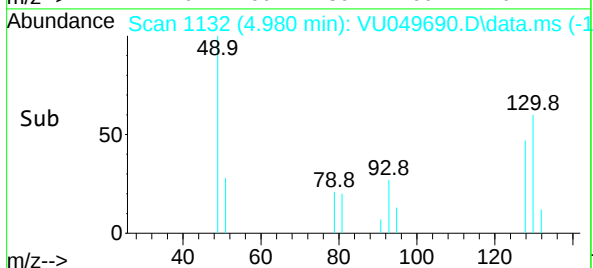
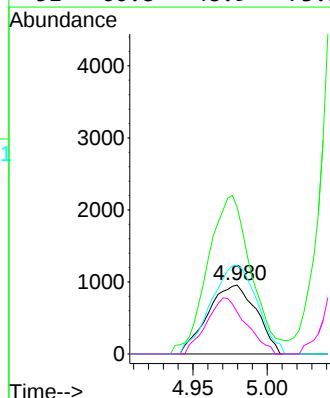
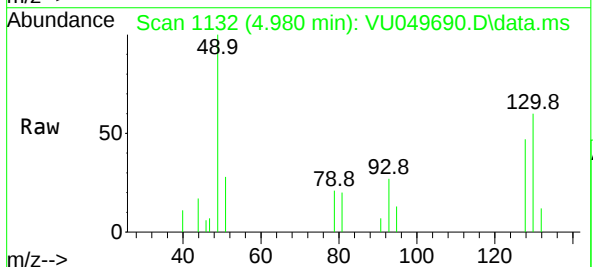
Ion Ratio Lower Upper

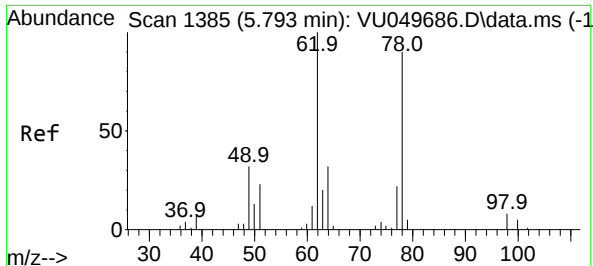
128 100

49 213.4 140.9 261.7

130 128.5 90.0 167.2

51 60.8 48.9 73.3

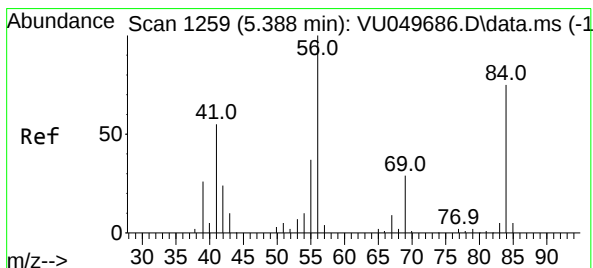
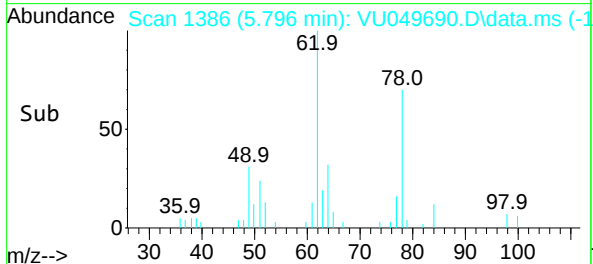
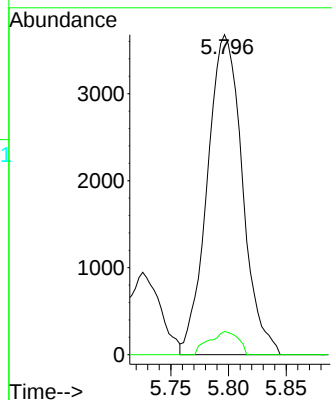
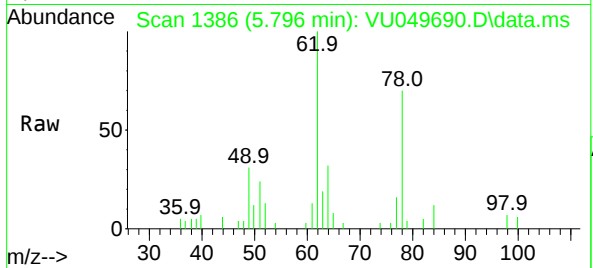




#27
1,2-Dichloroethane
Concen: 2.883 ug/L
RT: 5.796 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

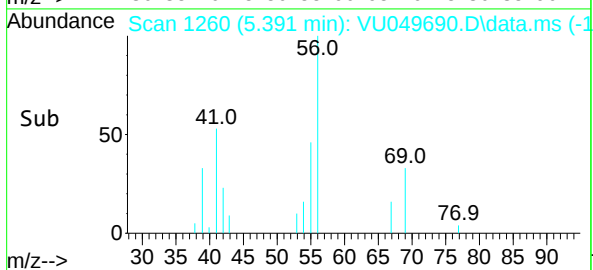
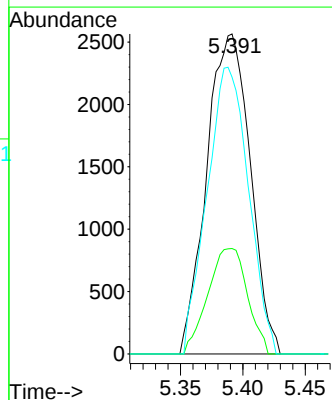
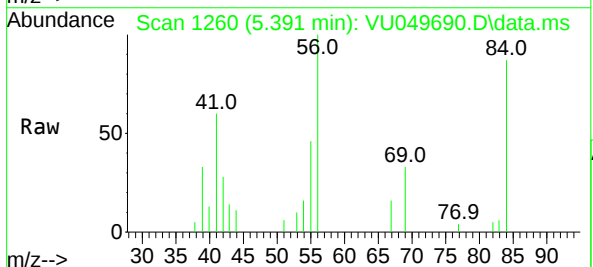
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

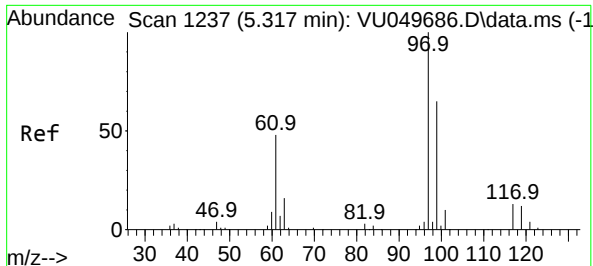
Tgt Ion: 62 Resp: 7767
Ion Ratio Lower Upper
62 100
98 7.3 6.7 10.1



#29
Cyclohexane
Concen: 2.227 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. 0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 56 Resp: 6228
Ion Ratio Lower Upper
56 100
69 30.0 23.4 35.2
84 85.5 63.1 94.7





#30

1,1,1-Trichloroethane

Concen: 2.595 ug/L

RT: 5.317 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

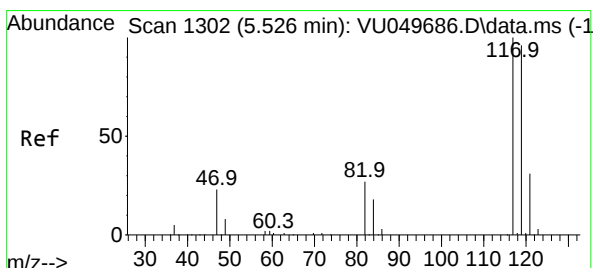
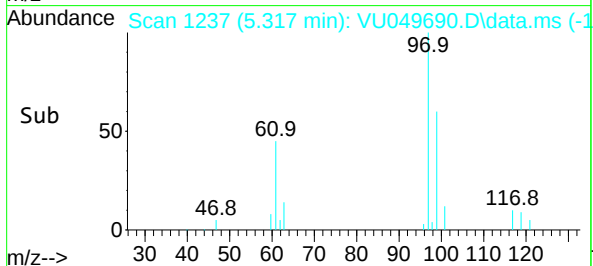
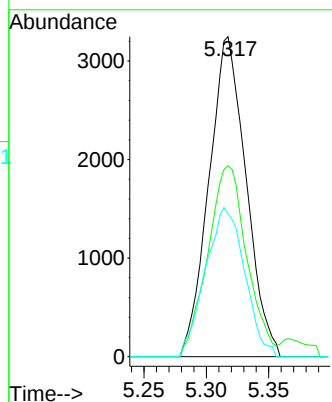
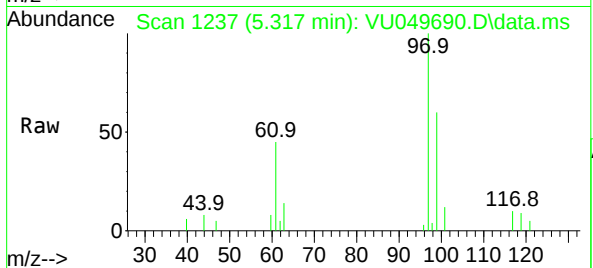
Tgt Ion: 97 Resp: 6730

Ion Ratio Lower Upper

97 100

99 62.7 51.3 76.9

61 49.0 38.2 57.2



#31

Carbon tetrachloride

Concen: 2.321 ug/L

RT: 5.520 min Scan# 1300

Delta R.T. -0.006 min

Lab File: VU049690.D

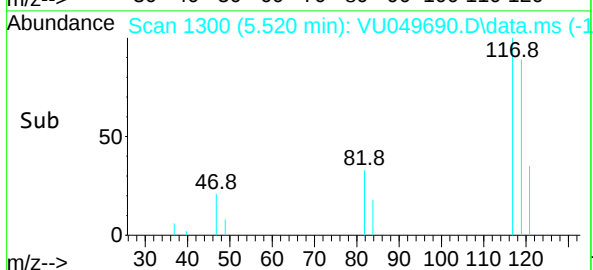
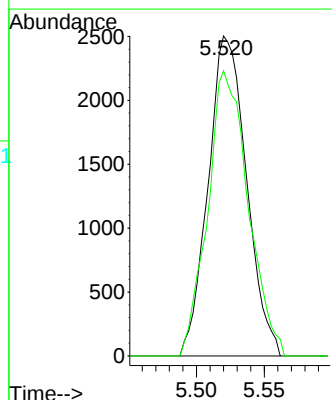
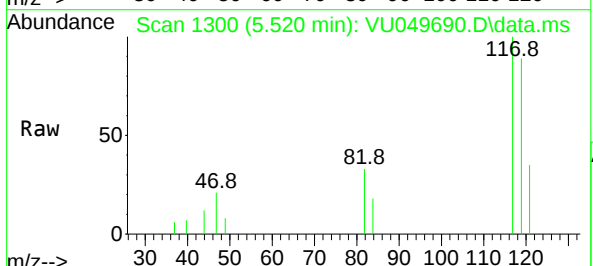
Acq: 12 Jul 2022 13:18

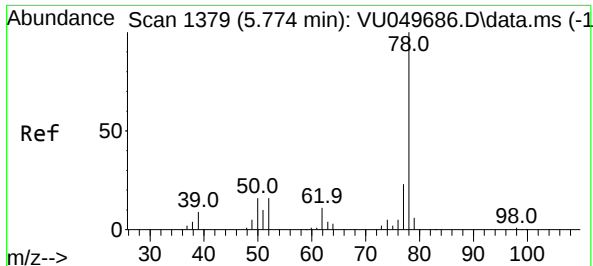
Tgt Ion: 117 Resp: 4924

Ion Ratio Lower Upper

117 100

119 93.8 75.8 113.8

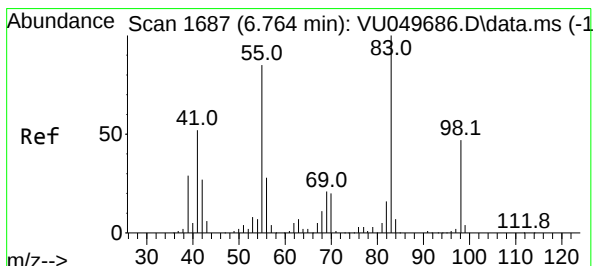
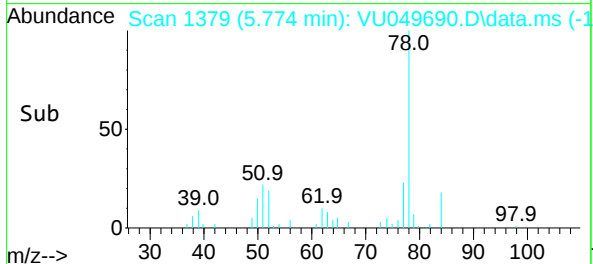
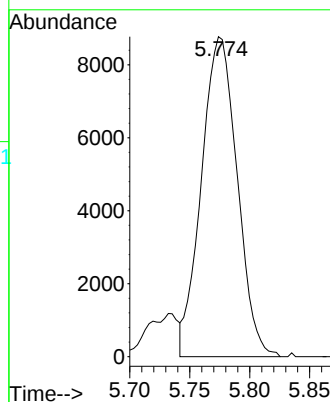
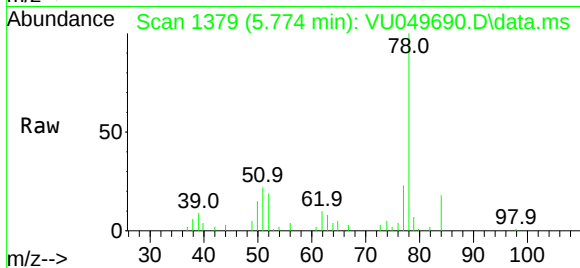




#33
Benzene
Concen: 2.700 ug/L
RT: 5.774 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

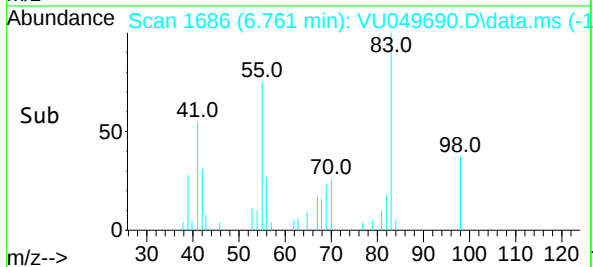
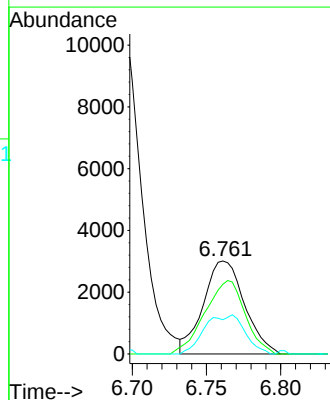
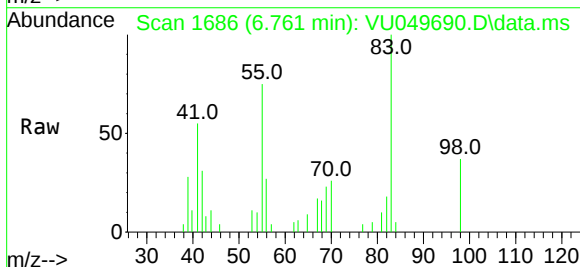
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

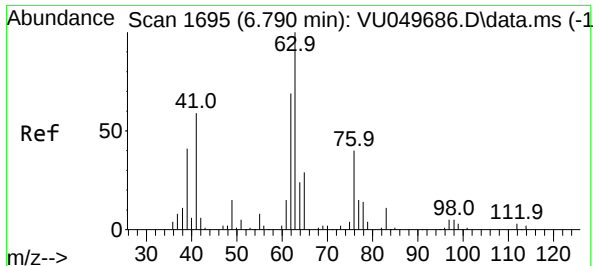
Tgt Ion: 78 Resp: 18181



#35
Methylcyclohexane
Concen: 2.271 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 83 Resp: 5810
Ion Ratio Lower Upper
83 100
55 77.0 66.0 99.0
98 21.4 34.6 51.8#

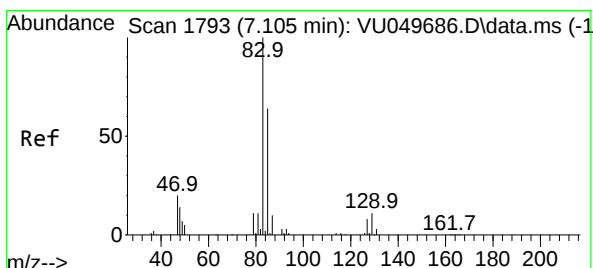
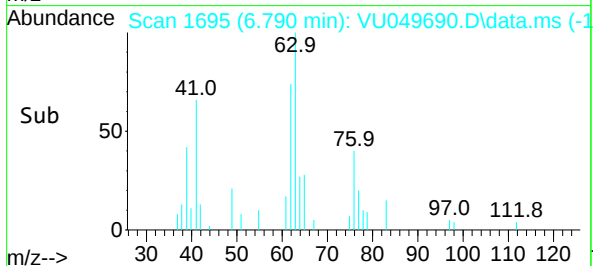
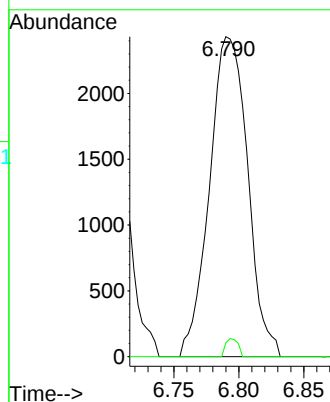
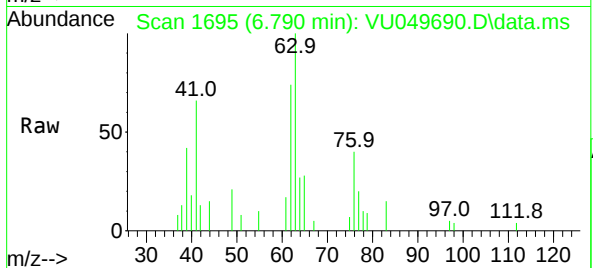




#37
1,2-Dichloropropane
Concen: 2.659 ug/L
RT: 6.790 min Scan# 1
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

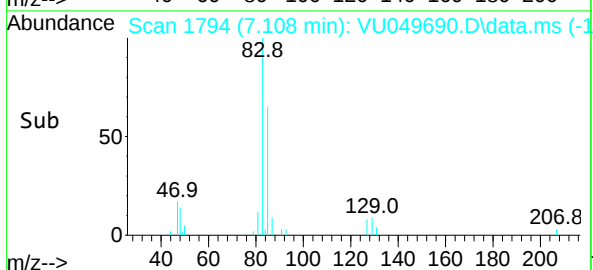
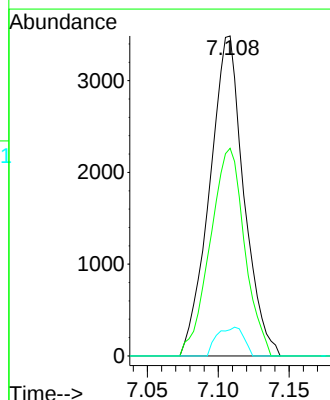
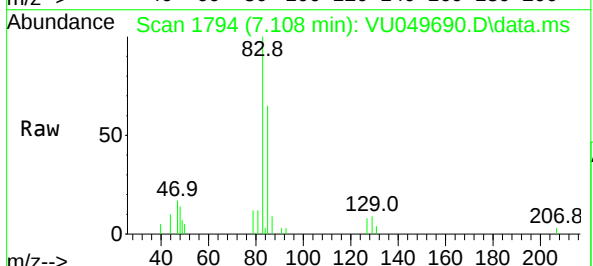
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

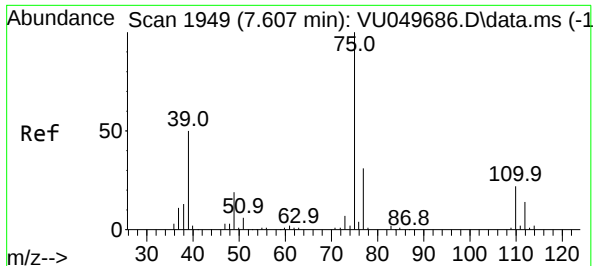
Tgt Ion: 63 Resp: 4964
Ion Ratio Lower Upper
63 100
112 1.8 2.8 4.2#



#38
Bromodichloromethane
Concen: 2.529 ug/L
RT: 7.108 min Scan# 1794
Delta R.T. 0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 83 Resp: 5854
Ion Ratio Lower Upper
83 100
85 64.9 45.4 84.2
127 8.2 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.366 ug/L

RT: 7.610 min Scan# 1949

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

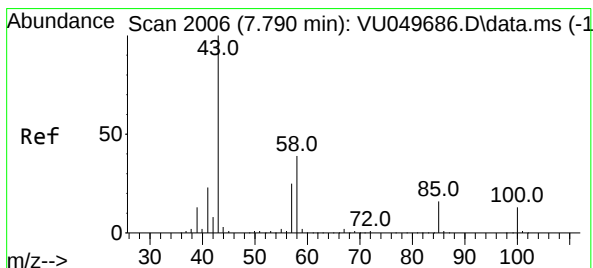
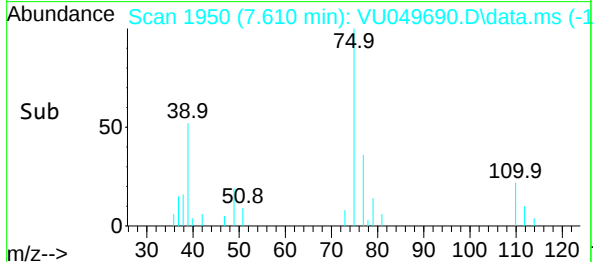
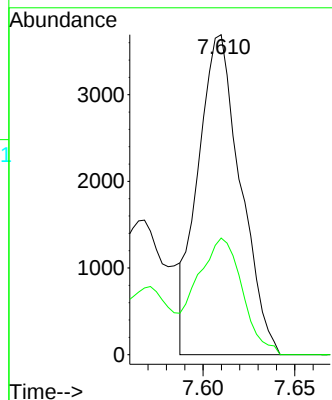
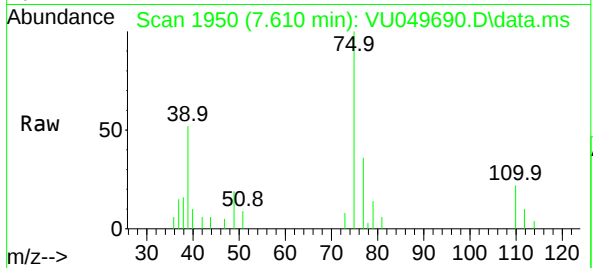
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 75 Resp: 5957

Ion Ratio Lower Upper

75 100

77 36.4 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 5.716 ug/L

RT: 7.793 min Scan# 2007

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

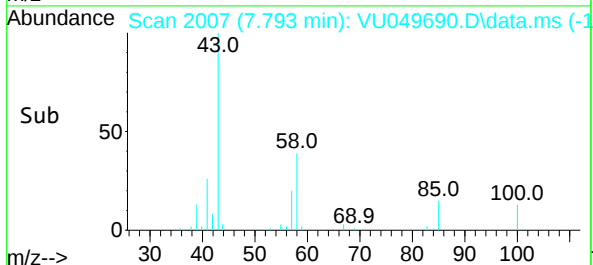
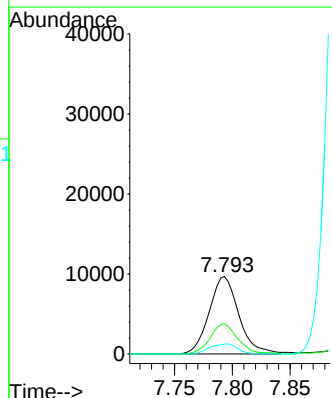
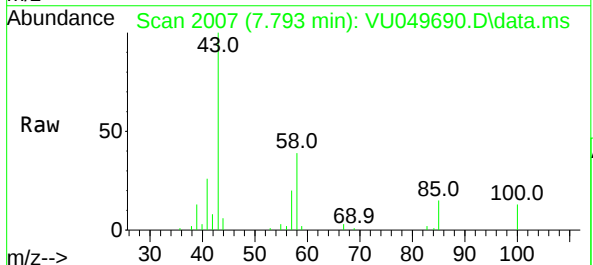
Tgt Ion: 43 Resp: 17274

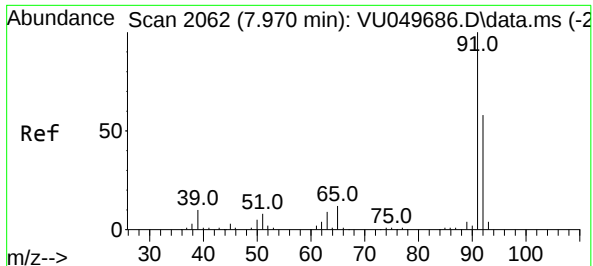
Ion Ratio Lower Upper

43 100

58 36.4 31.4 47.0

100 11.9 10.3 15.5





#42

Toluene

Concen: 2.402 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. -0.000 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

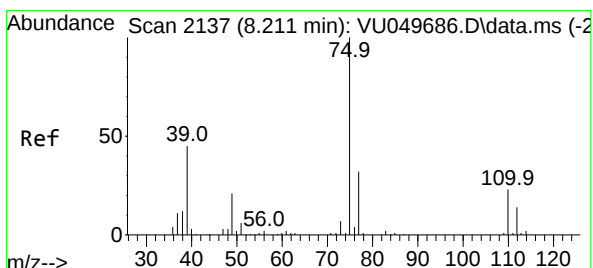
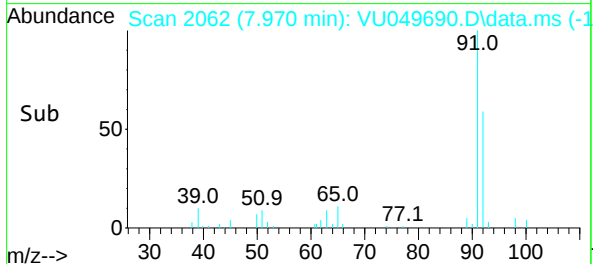
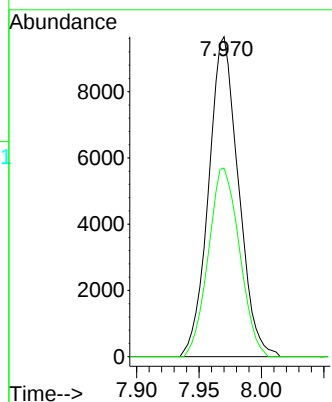
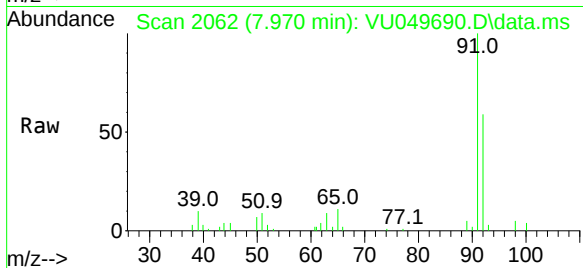
MDL-MED-SOIL-QT2-2022-03

Tgt Ion: 91 Resp: 16078

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.056 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU049690.D

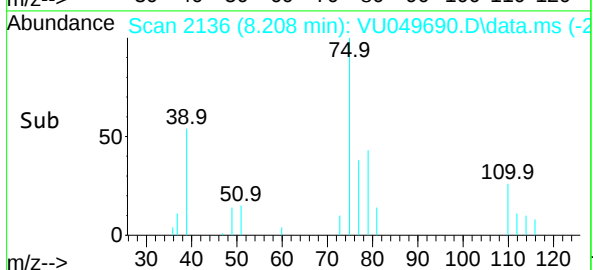
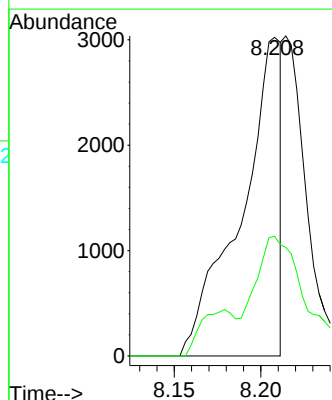
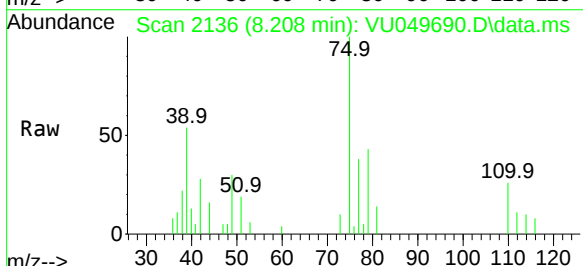
Acq: 12 Jul 2022 13:18

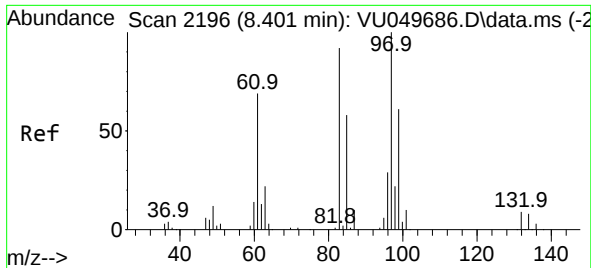
Tgt Ion: 75 Resp: 4861

Ion Ratio Lower Upper

75 100

77 37.6 22.5 41.9

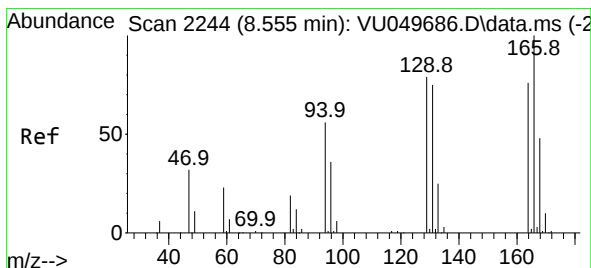
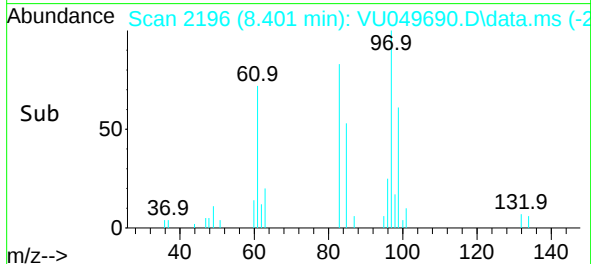
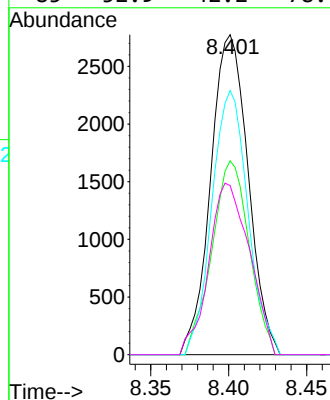
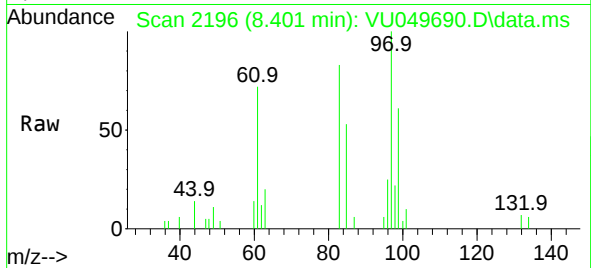




#45
1,1,2-Trichloroethane
Concen: 2.852 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

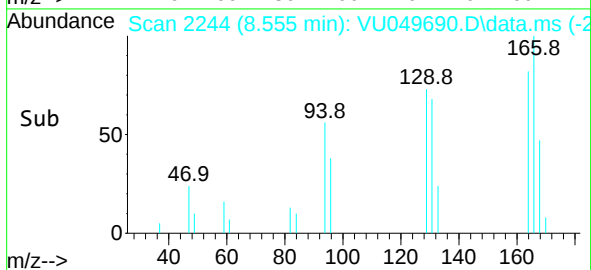
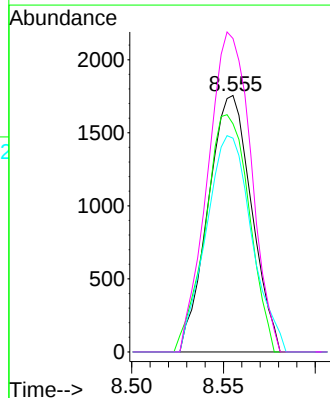
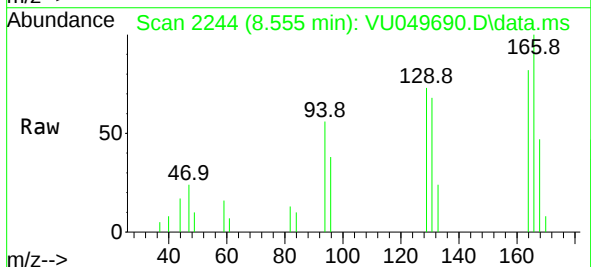
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

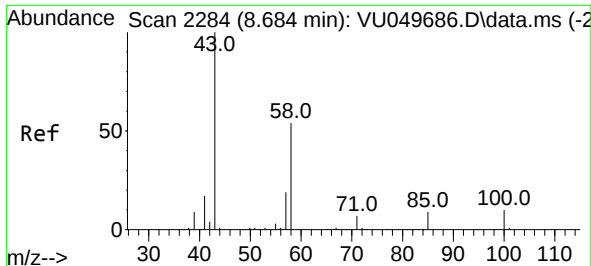
Tgt Ion: 97	Resp: 4647
Ion Ratio	Lower Upper
97 100	
99 60.6	44.3 82.3
83 82.6	64.0 118.8
85 52.9	42.2 78.4



#46
Tetrachloroethene
Concen: 2.559 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt	Ion:164	Resp:	2889
Ion	Ratio	Lower	Upper
164	100		
129	88.9	72.0	133.8
131	83.4	69.0	128.1
166	122.2	91.1	169.3

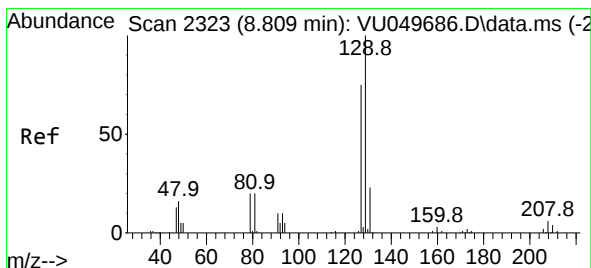
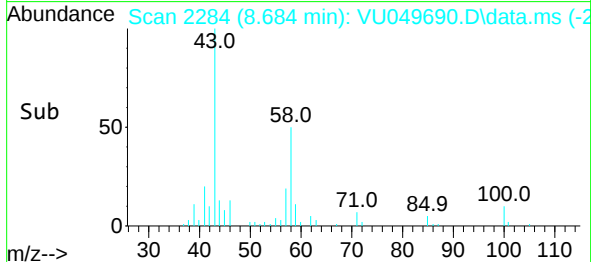
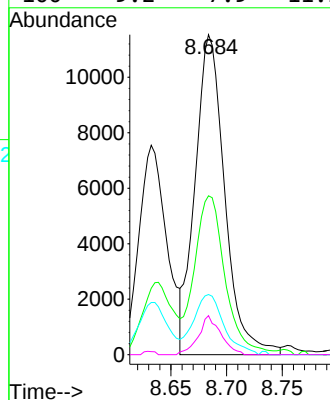
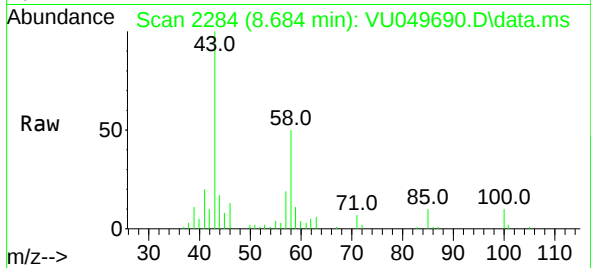




#48
2-Hexanone
Concen: 8.858 ug/L
RT: 8.684 min Scan# 21392
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

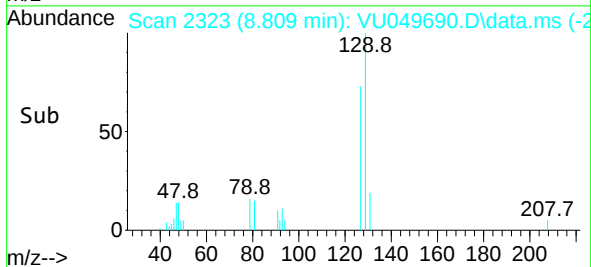
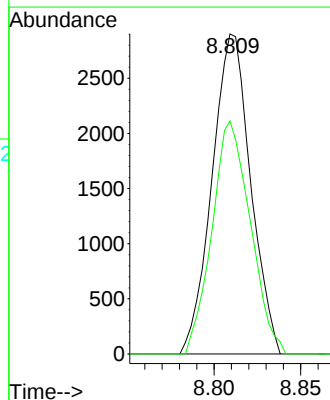
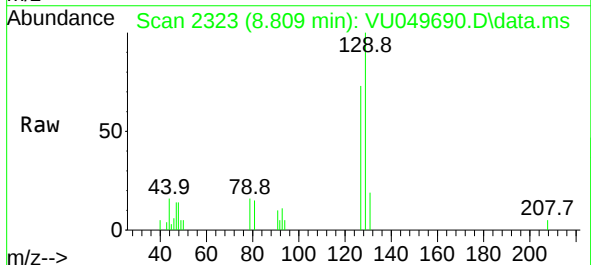
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

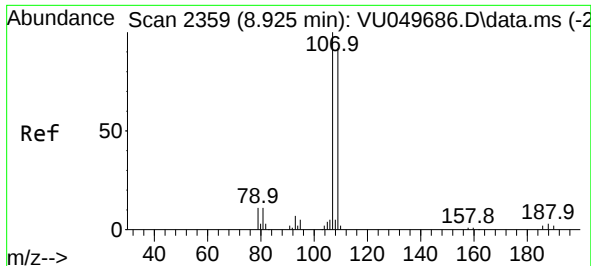
Tgt Ion:	43	Resp:	21392
Ion	Ratio	Lower	Upper
43	100		
58	51.5	42.6	64.0
57	19.4	15.0	22.6
100	9.2	7.9	11.9



#49
Dibromochloromethane
Concen: 2.743 ug/L
RT: 8.809 min Scan# 2323
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:	129	Resp:	4495
Ion	Ratio	Lower	Upper
129	100		
127	72.8	56.9	105.7

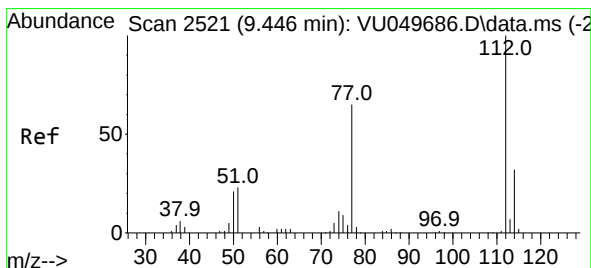
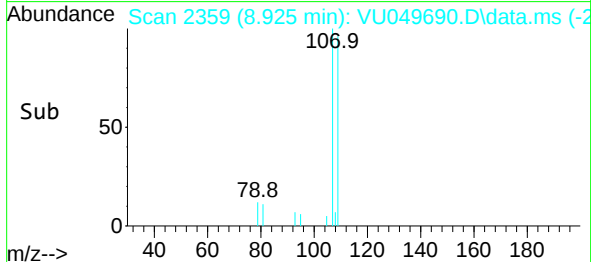
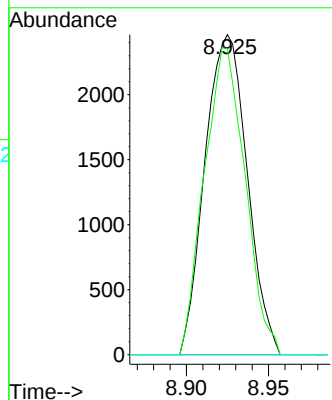
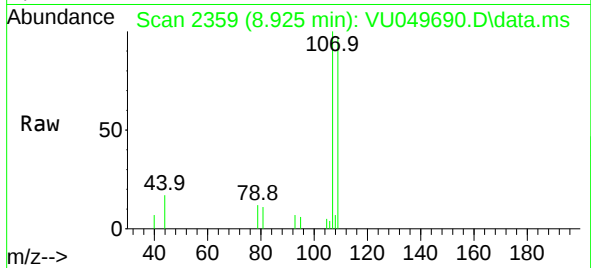




#50
1,2-Dibromoethane
Concen: 2.725 ug/L
RT: 8.925 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

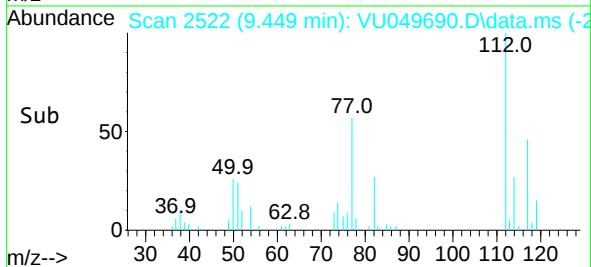
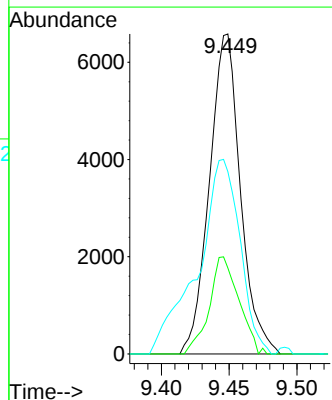
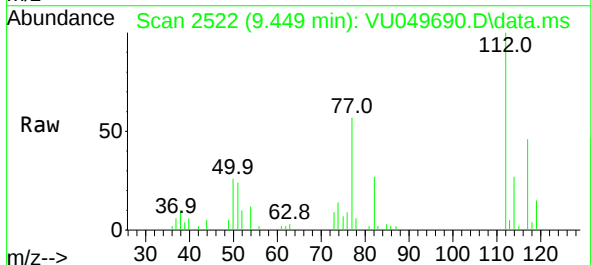
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

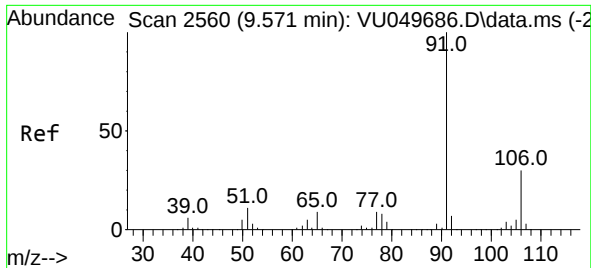
Tgt Ion:107 Resp: 4411
Ion Ratio Lower Upper
107 100
109 95.5 65.7 121.9
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 2.584 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. 0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:112 Resp: 10475
Ion Ratio Lower Upper
112 100
114 26.8 22.1 41.1
77 57.0 51.2 76.8

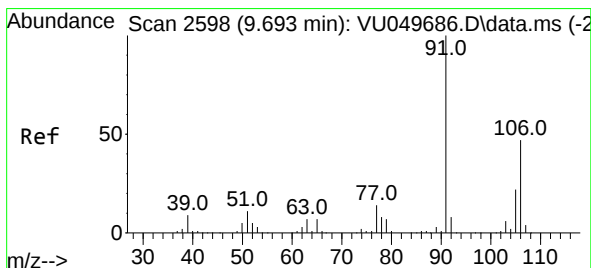
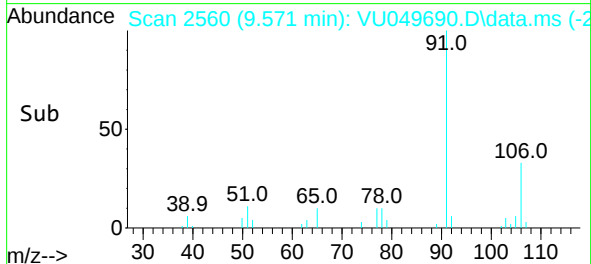
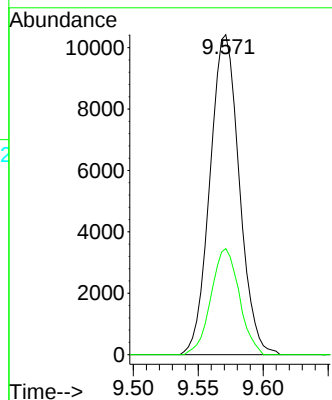
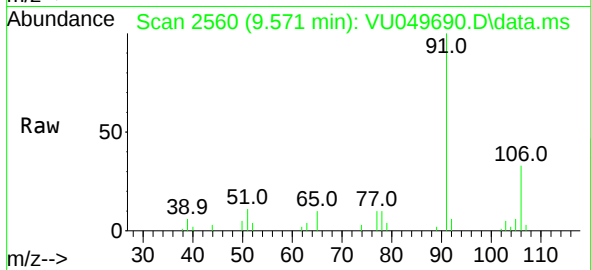




#52
Ethylbenzene
Concen: 2.315 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

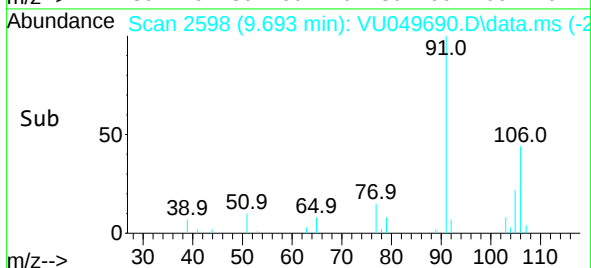
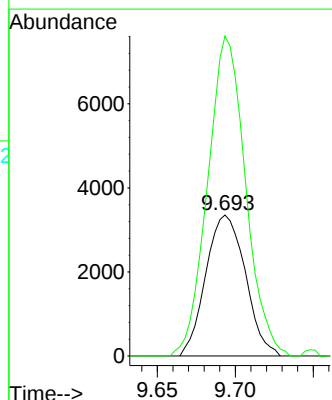
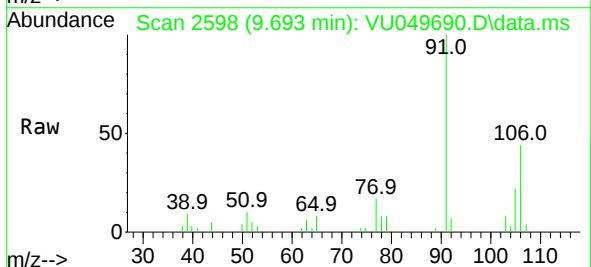
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-03

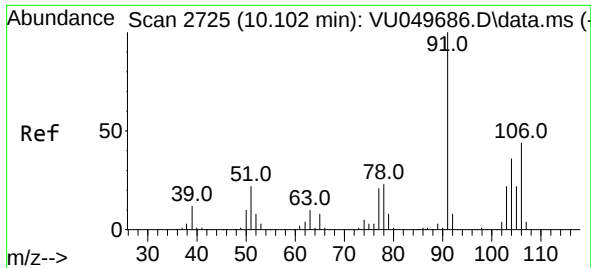
Tgt Ion: 91 Resp: 16354
Ion Ratio Lower Upper
91 100
106 33.1 21.0 39.0



#53
m,p-Xylene
Concen: 2.301 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion: 106 Resp: 5910
Ion Ratio Lower Upper
106 100
91 226.9 151.7 281.7

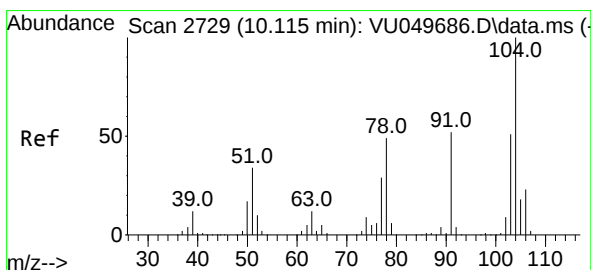
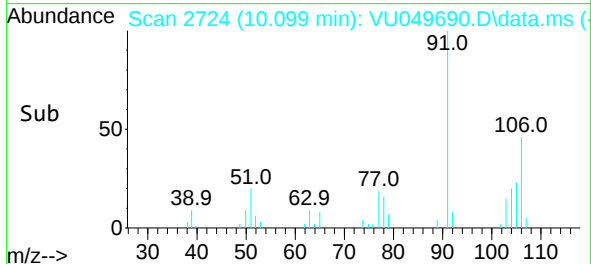
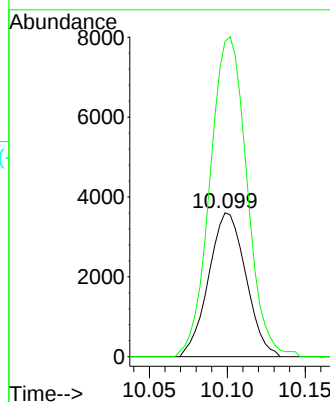
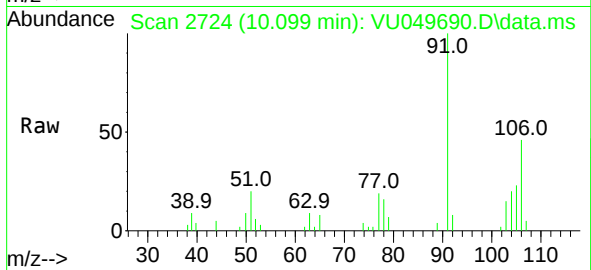




#54
o-Xylene
Concen: 2.315 ug/L
RT: 10.099 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

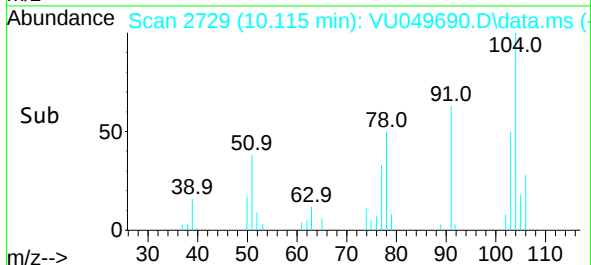
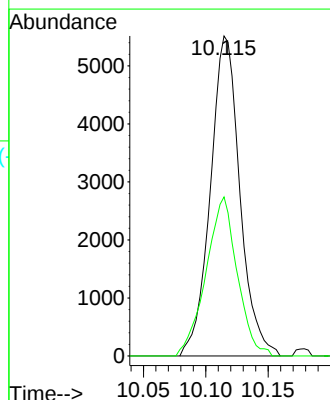
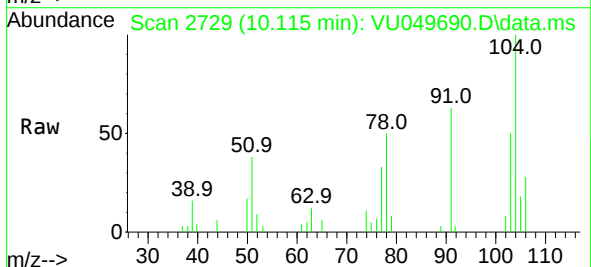
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

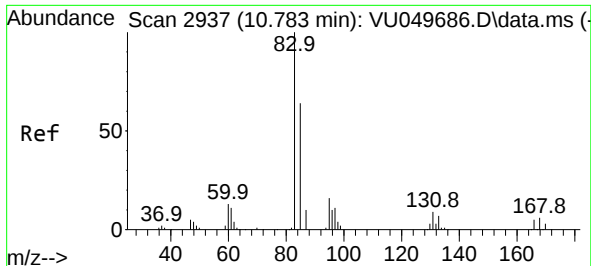
Tgt Ion:106 Resp: 5988
Ion Ratio Lower Upper
106 100
91 219.2 156.9 291.5



#55
Styrene
Concen: 2.135 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:104 Resp: 9110
Ion Ratio Lower Upper
104 100
78 49.7 36.1 67.1





#57

1,1,2,2-Tetrachloroethane

Concen: 2.890 ug/L

RT: 10.780 min Scan# 2937

Delta R.T. -0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

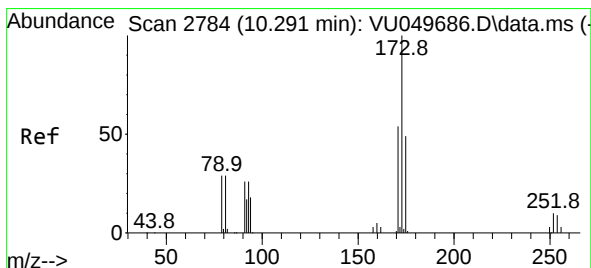
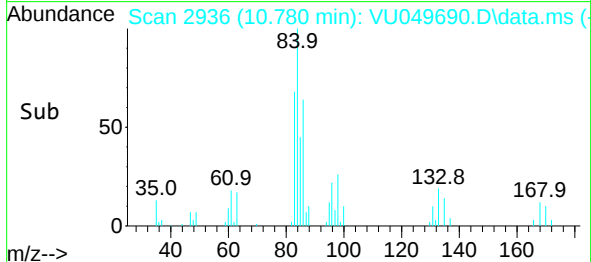
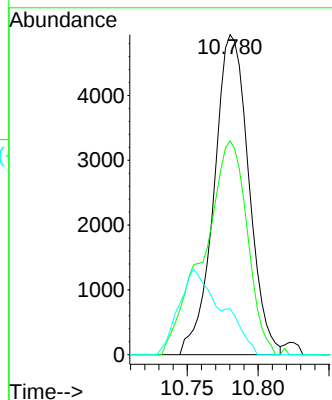
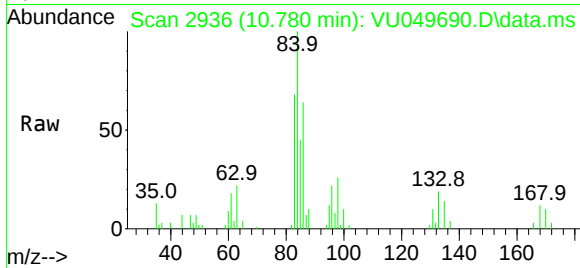
Tgt Ion: 83 Resp: 8429

Ion Ratio Lower Upper

83 100

85 66.8 45.0 83.6

131 14.3 7.0 10.6#



#59

Bromoform

Concen: 2.523 ug/L

RT: 10.288 min Scan# 2783

Delta R.T. -0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

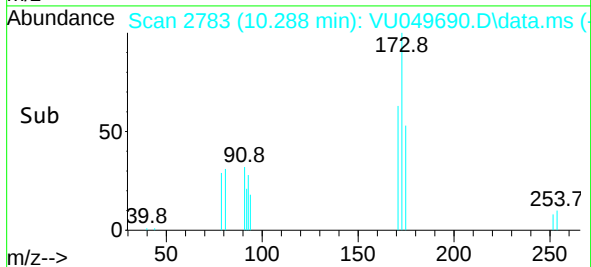
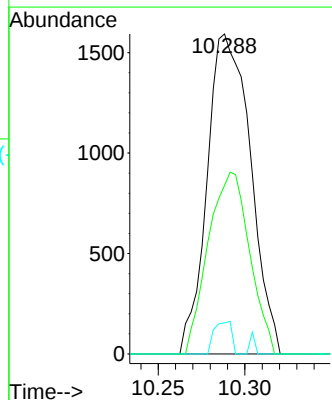
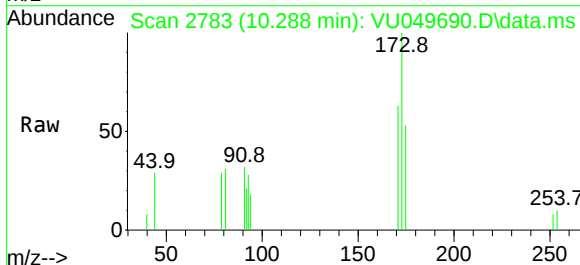
Tgt Ion:173 Resp: 2771

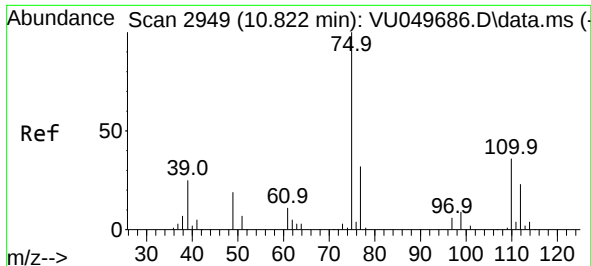
Ion Ratio Lower Upper

173 100

175 54.2 38.6 58.0

254 4.1 7.4 11.0#

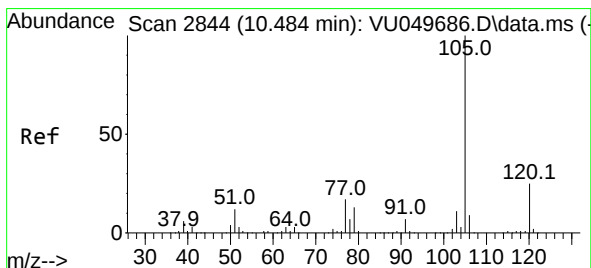
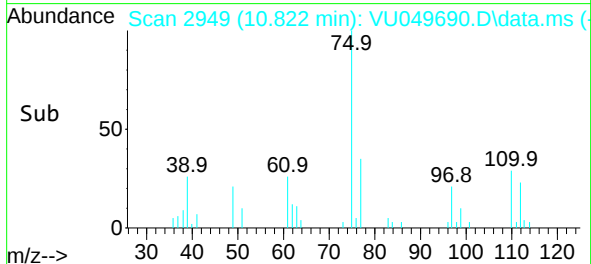
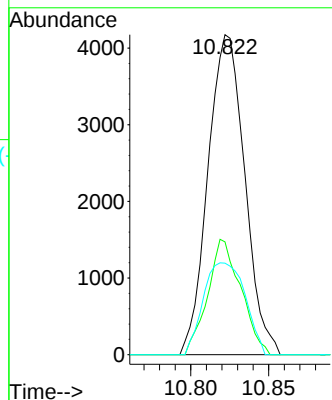
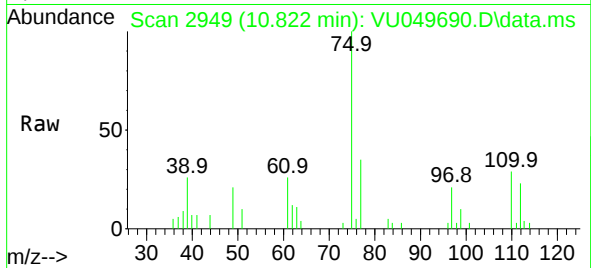




#60
1,2,3-Trichloropropane
Concen: 3.144 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

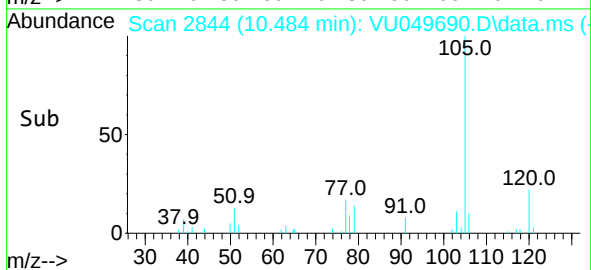
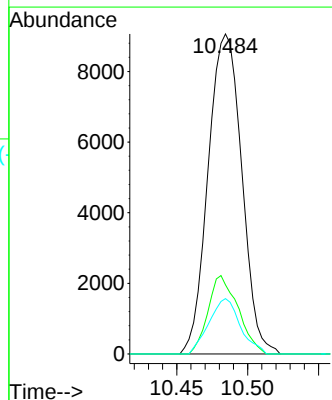
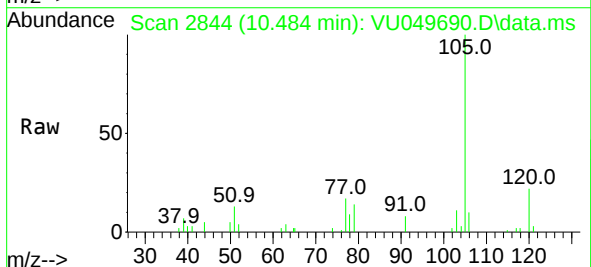
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

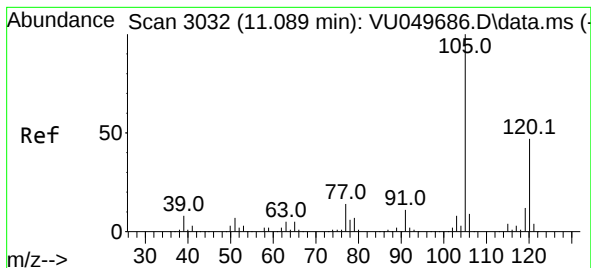
Tgt Ion:	75	Resp:	6856
Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.5	38.3
110	32.6	28.9	43.3



#61
Isopropylbenzene
Concen: 2.447 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:	105	Resp:	14960
Ion	Ratio	Lower	Upper
105	100		
120	21.9	19.9	29.9
77	16.1	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 2.247 ug/L

RT: 11.089 min Scan# 3032

Delta R.T. -0.000 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

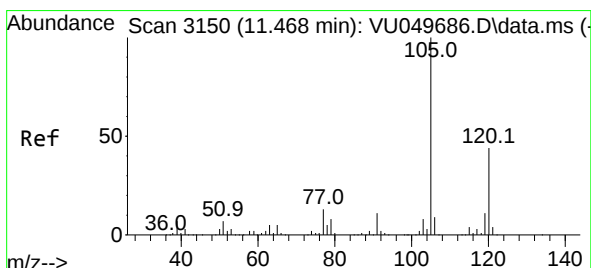
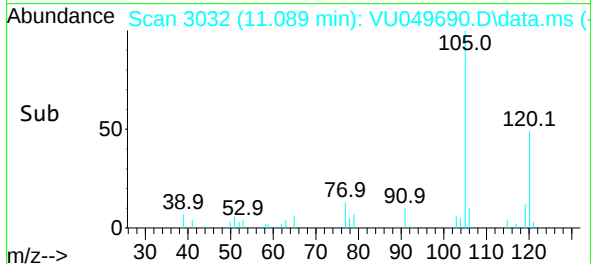
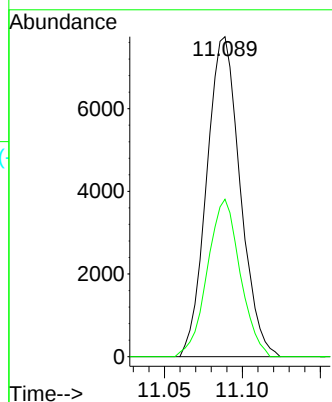
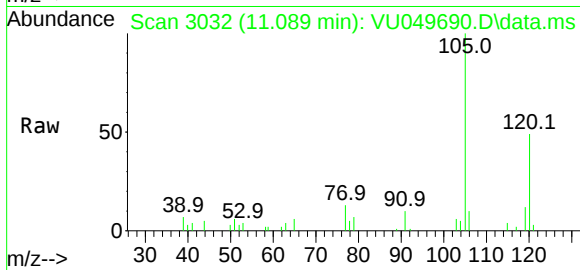
MDL-MED-SOIL-QT2-2022-03

Tgt Ion:105 Resp: 11589

Ion Ratio Lower Upper

105 100

120 48.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 2.086 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. -0.000 min

Lab File: VU049690.D

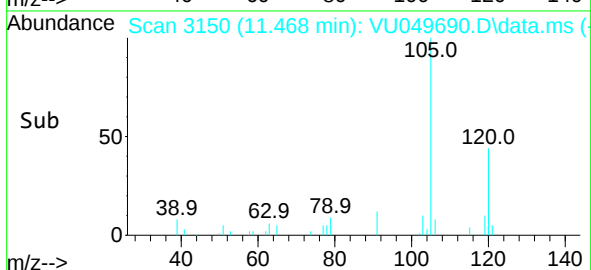
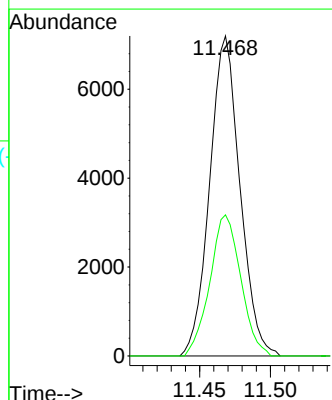
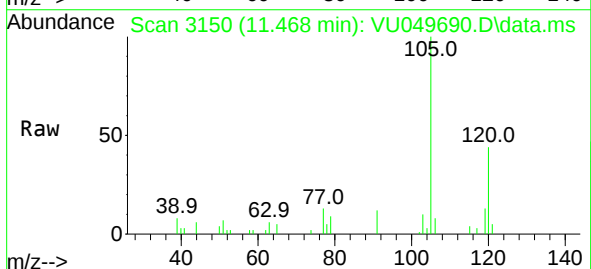
Acq: 12 Jul 2022 13:18

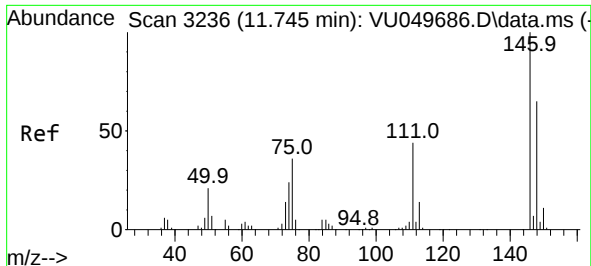
Tgt Ion:105 Resp: 10687

Ion Ratio Lower Upper

105 100

120 45.0 33.9 50.9

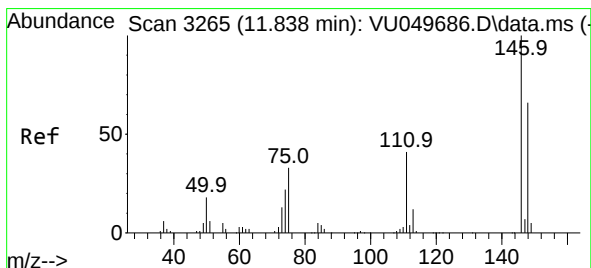
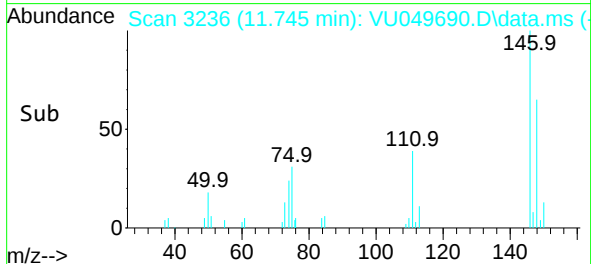
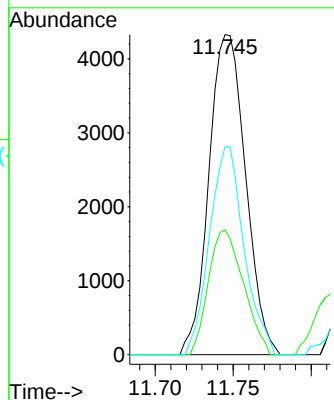
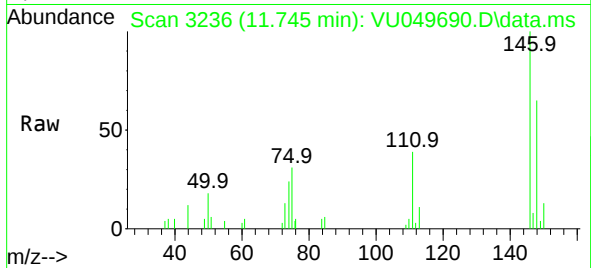




#64
1,3-Dichlorobenzene
Concen: 2.650 ug/L
RT: 11.745 min Scan# 31
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

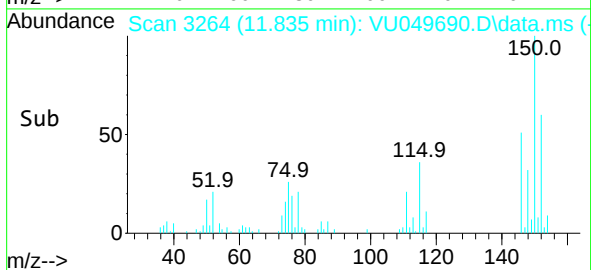
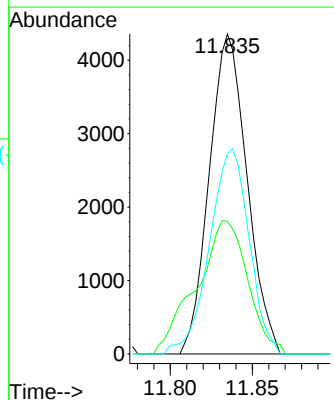
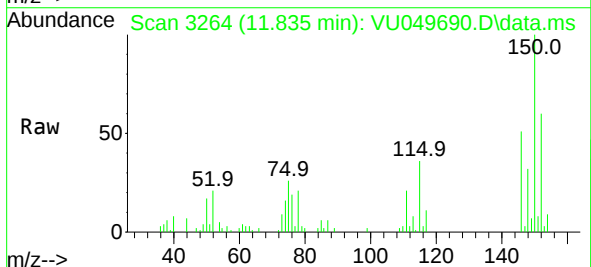
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

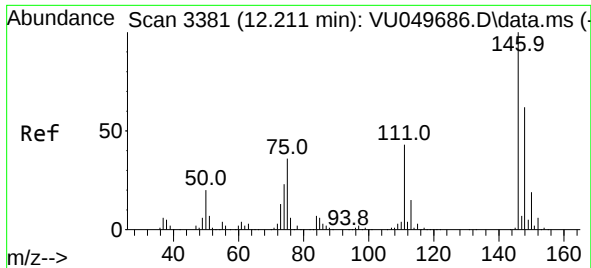
Tgt Ion:146 Resp: 7073
Ion Ratio Lower Upper
146 100
111 38.6 30.0 55.6
148 60.1 45.1 83.9



#65
1,4-Dichlorobenzene
Concen: 2.597 ug/L
RT: 11.835 min Scan# 3264
Delta R.T. -0.003 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:146 Resp: 6963
Ion Ratio Lower Upper
146 100
111 41.4 29.1 54.1
148 62.6 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.760 ug/L

RT: 12.214 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

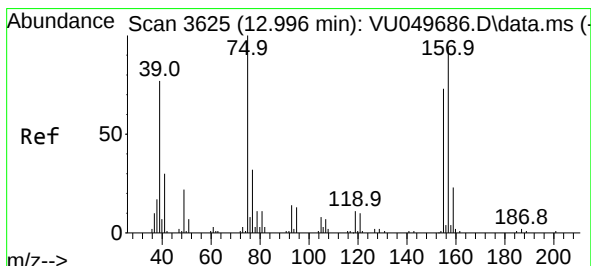
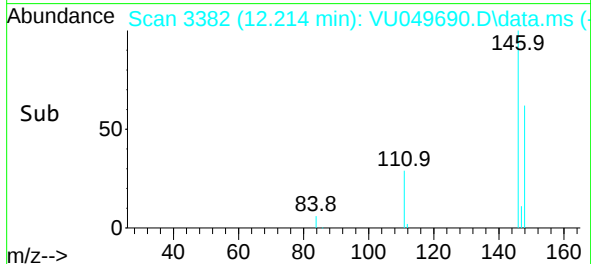
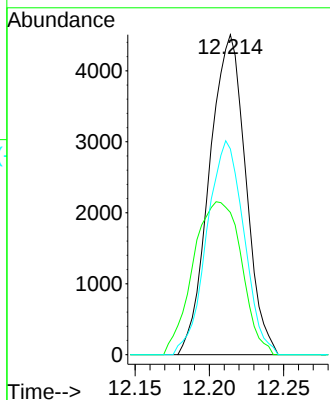
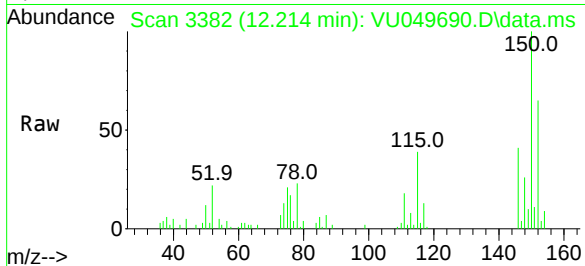
Tgt Ion:146 Resp: 7660

Ion Ratio Lower Upper

146 100

111 44.4 35.8 53.8

148 64.3 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 2.712 ug/L

RT: 12.996 min Scan# 3625

Delta R.T. -0.000 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

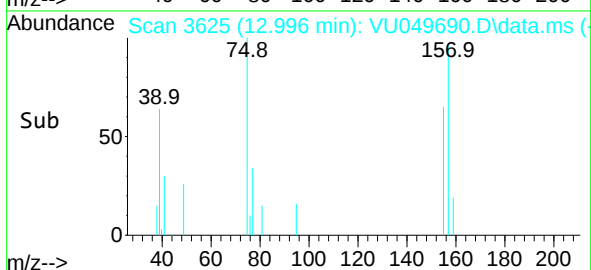
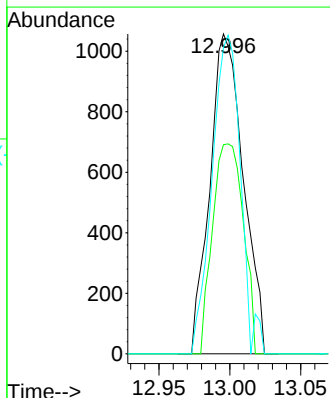
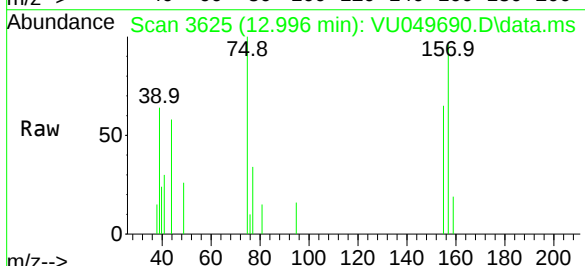
Tgt Ion: 75 Resp: 1733

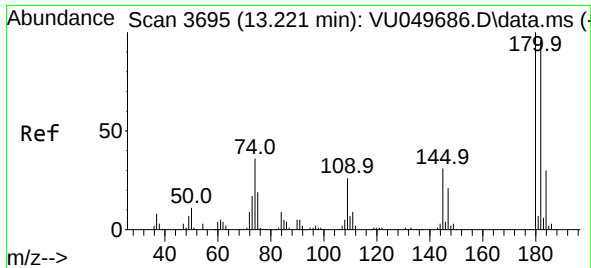
Ion Ratio Lower Upper

75 100

155 65.4 57.7 86.5

157 95.7 75.6 113.4

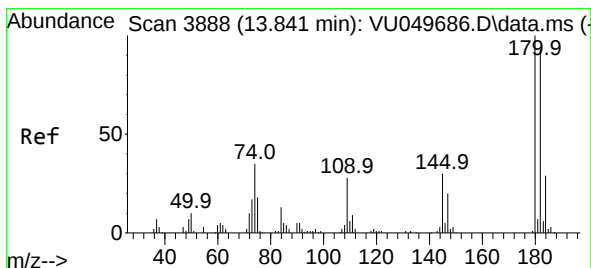
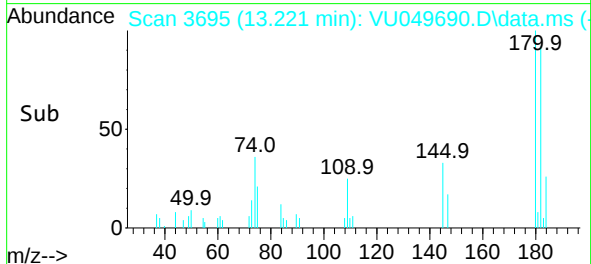
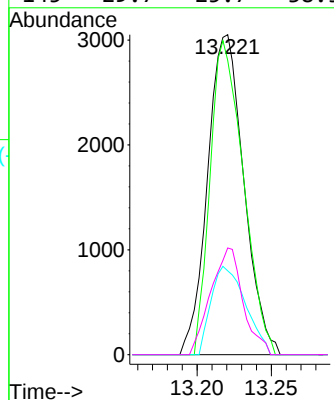
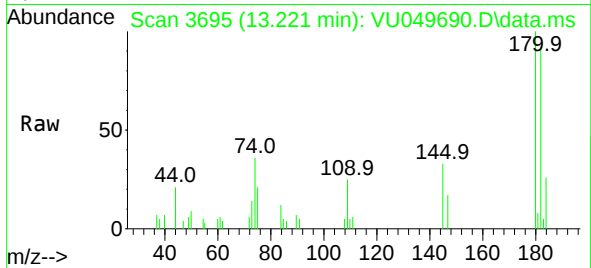




#69
1,3,5-Trichlorobenzene
Concen: 2.773 ug/L
RT: 13.221 min Scan# 3695
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

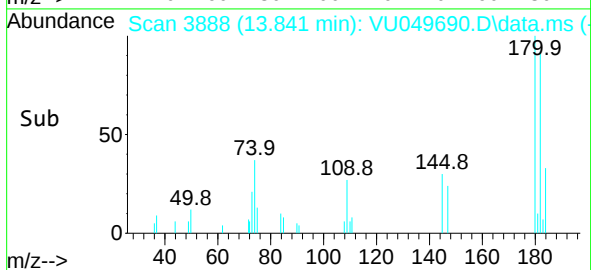
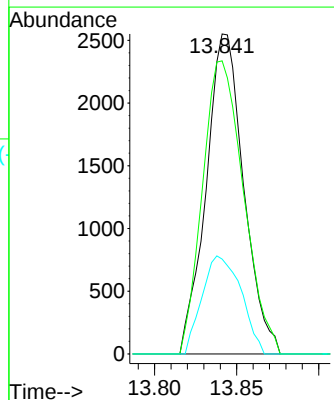
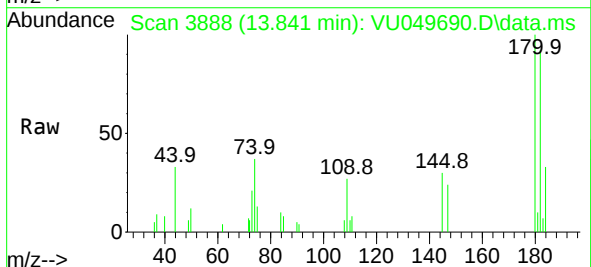
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-03

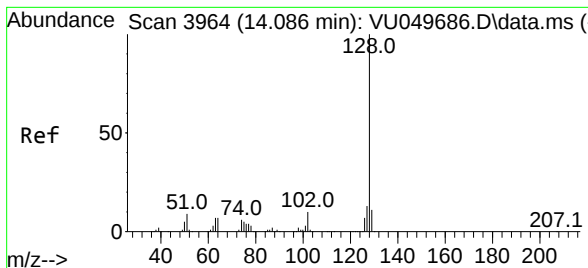
Tgt Ion:180	Resp:	5186
Ion	Ratio	Lower Upper
180	100	
182	89.4	76.0 114.0
184	26.2	24.0 36.0
145	29.7	25.7 38.5



#70
1,2,4-trichlorobenzene
Concen: 2.365 ug/L
RT: 13.841 min Scan# 3888
Delta R.T. -0.000 min
Lab File: VU049690.D
Acq: 12 Jul 2022 13:18

Tgt Ion:180	Resp:	4059
Ion	Ratio	Lower Upper
180	100	
182	99.8	74.8 112.2
145	31.8	24.7 37.1





#71

Naphthalene

Concen: 2.249 ug/L

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-03

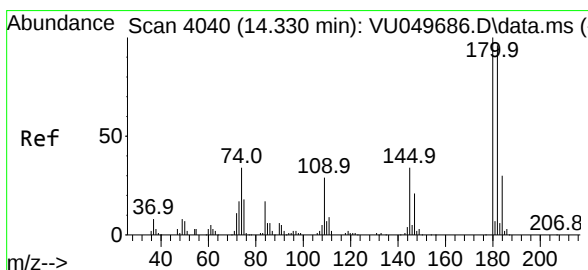
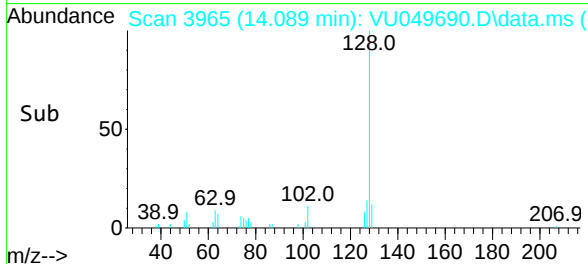
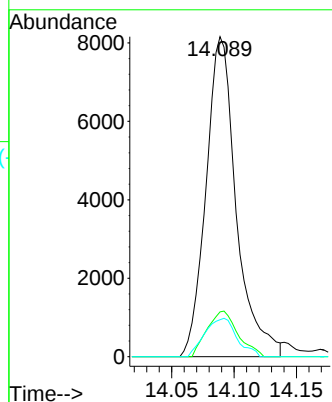
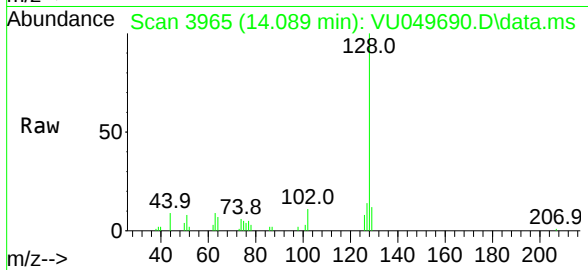
Tgt Ion:128 Resp: 13801

Ion Ratio Lower Upper

128 100

127 14.5 10.2 15.4

129 12.7 8.8 13.2



#72

1,2,3-Trichlorobenzene

Concen: 2.481 ug/L

RT: 14.333 min Scan# 4041

Delta R.T. 0.003 min

Lab File: VU049690.D

Acq: 12 Jul 2022 13:18

Tgt Ion:180 Resp: 4410

Ion Ratio Lower Upper

180 100

182 96.3 76.6 115.0

145 31.7 27.1 40.7

