

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
 Data File : VU049701.D
 Acq On : 13 Jul 2022 12:21
 Operator : SY/MD
 Sample : N3670-06
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

Quant Time: Jul 14 05:08:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM071122WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 14 05:07:30 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.247	114	199018	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.417	117	188239	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.812	152	83796	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.597	65	70386	41.916	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	83.840%
7) Chloroethane-d5	1.903	69	55674	45.868	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.740%
11) 1,1-Dichloroethene-d2	2.562	63	93999	31.691	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	63.380%
21) 2-Butanone-d5	4.620	46	157310	109.740	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.740%
24) Chloroform-d	5.060	84	142930	48.058	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.120%
26) 1,2-Dichloroethane-d4	5.700	65	98600	48.984	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.960%
32) Benzene-d6	5.726	84	267829	46.834	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	93.660%
36) 1,2-Dichloropropane-d6	6.690	67	94438	49.097	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.200%
41) Toluene-d8	7.896	98	223063	44.791	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	89.580%
43) trans-1,3-Dichloroprop...	8.179	79	37497	46.269	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.540%
47) 2-Hexanone-d5	8.629	63	89671	103.637	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.640%
56) 1,1,2,2-Tetrachloroeth...	10.755	84	136271	50.632	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.260%
66) 1,2-Dichlorobenzene-d4	12.192	152	80251	50.794	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.580%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.382	85	5037	2.111	ug/L	98
3) Chloromethane	1.520	50	8576	3.275	ug/L	97
5) Vinyl chloride	1.601	62	5969	2.523	ug/L	89
6) Bromomethane	1.842	94	3075	2.813	ug/L	92
8) Chloroethane	1.925	64	3170	2.419	ug/L	97
9) Trichlorofluoromethane	2.131	101	6643	2.274	ug/L	98
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	4145	2.704	ug/L #	86
12) 1,1-Dichloroethene	2.575	96	4059	2.853	ug/L #	1
13) Acetone	2.626	43	6733	4.942	ug/L	100
14) Carbon disulfide	2.787	76	11070	2.307	ug/L	98
15) Methyl Acetate	2.948	43	6325	2.858	ug/L	92
16) Methylene chloride	3.044	84	5508	3.074	ug/L	87
17) trans-1,2-Dichloroethene	3.353	96	3453	2.218	ug/L	89
18) Methyl tert-butyl Ether	3.363	73	13214	2.478	ug/L	97
19) 1,1-Dichloroethane	3.864	63	4332	1.337	ug/L	97
20) cis-1,2-Dichloroethene	4.668	96	4501	2.573	ug/L	86
22) 2-Butanone	4.707	43	8532	4.678	ug/L	88
23) Bromochloromethane	4.973	128	2264	2.594	ug/L	88
27) 1,2-Dichloroethane	5.793	62	7507	2.713	ug/L	97

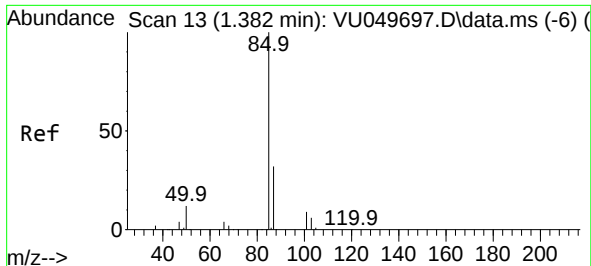
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU071322\
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Cyclohexane	5.385	56	5971	2.032	ug/L #	90
30) 1,1,1-Trichloroethane	5.311	97	6670	2.448	ug/L	97
31) Carbon tetrachloride	5.523	117	5123	2.298	ug/L	95
33) Benzene	5.774	78	17962	2.539	ug/L	100
35) Methylcyclohexane	6.761	83	5310	1.976	ug/L	94
37) 1,2-Dichloropropane	6.790	63	5263	2.684	ug/L #	92
38) Bromodichloromethane	7.105	83	6271	2.579	ug/L	88
39) cis-1,3-Dichloropropene	7.607	75	6615	2.501	ug/L	99
40) 4-Methyl-2-pentanone	7.790	43	16263	5.122	ug/L	98
42) Toluene	7.970	91	17622	2.506	ug/L	99
44) trans-1,3-Dichloropropene	8.208	75	5840	2.352	ug/L	100
45) 1,1,2-Trichloroethane	8.401	97	4847	2.831	ug/L	87
46) Tetrachloroethene	8.552	164	2854	2.406	ug/L	92
48) 2-Hexanone	8.684	43	20475	8.070	ug/L	94
49) Dibromochloromethane	8.809	129	4513	2.621	ug/L	97
50) 1,2-Dibromoethane	8.922	107	4176	2.456	ug/L #	98
51) Chlorobenzene	9.446	112	10832	2.544	ug/L	96
52) Ethylbenzene	9.568	91	17474	2.355	ug/L	93
53) m,p-Xylene	9.694	106	5910	2.190	ug/L	94
54) o-Xylene	10.102	106	6168	2.270	ug/L	82
55) Styrene	10.115	104	8666	1.933	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.780	83	8618	2.812	ug/L #	89
59) Bromoform	10.292	173	2942	2.618	ug/L #	92
60) 1,2,3-Trichloropropane	10.822	75	6893	3.088	ug/L	97
61) Isopropylbenzene	10.485	105	15162	2.423	ug/L	100
62) 1,3,5-Trimethylbenzene	11.086	105	11407	2.161	ug/L	99
63) 1,2,4-Trimethylbenzene	11.468	105	11031	2.104	ug/L	95
64) 1,3-Dichlorobenzene	11.745	146	6635	2.429	ug/L	94
65) 1,4-Dichlorobenzene	11.835	146	7021	2.559	ug/L	95
67) 1,2-Dichlorobenzene	12.211	146	7953	2.800	ug/L	91
68) 1,2-Dibromo-3-chloropr...	13.002	75	1751	2.677	ug/L	97
69) 1,3,5-Trichlorobenzene	13.217	180	4815	2.516	ug/L	94
70) 1,2,4-trichlorobenzene	13.844	180	3864	2.200	ug/L	99
71) Naphthalene	14.089	128	13756	2.191	ug/L	95
72) 1,2,3-Trichlorobenzene	14.330	180	4477	2.461	ug/L	93

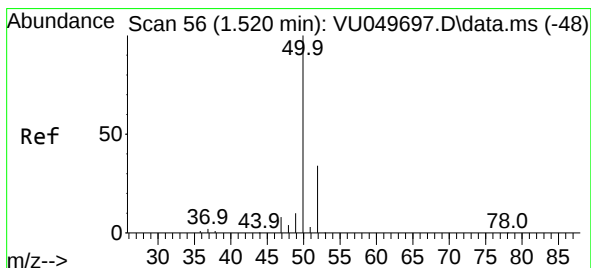
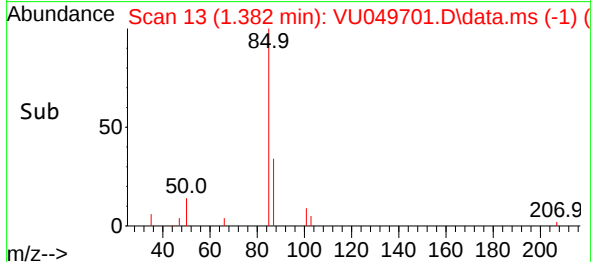
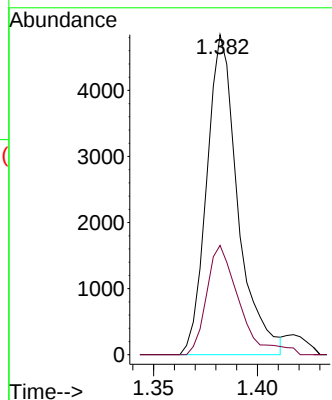
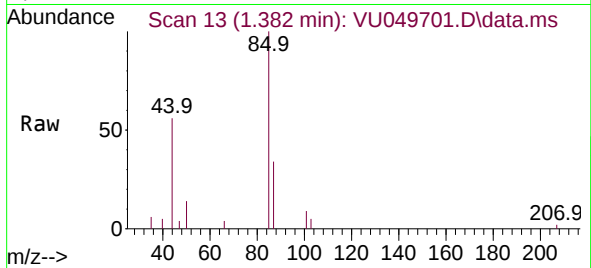
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#2
 Dichlorodifluoromethane
 Concen: 2.111 ug/L
 RT: 1.382 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

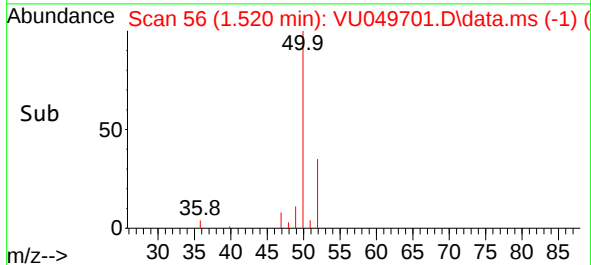
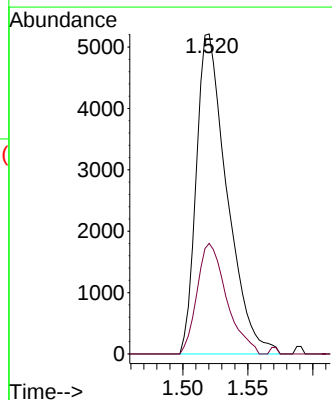
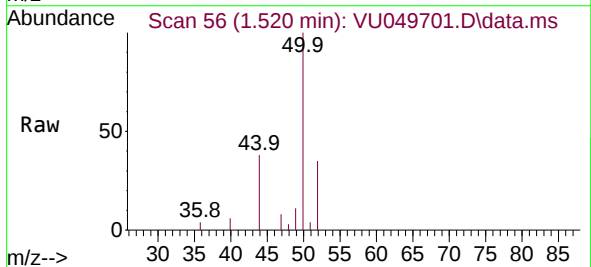
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

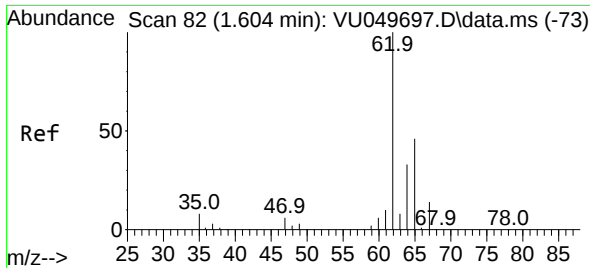
Tgt Ion: 85 Resp: 5037
 Ion Ratio Lower Upper
 85 100
 87 33.8 26.3 39.5



#3
 Chloromethane
 Concen: 3.275 ug/L
 RT: 1.520 min Scan# 56
 Delta R.T. 0.000 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

Tgt Ion: 50 Resp: 8576
 Ion Ratio Lower Upper
 50 100
 52 34.6 23.2 43.0

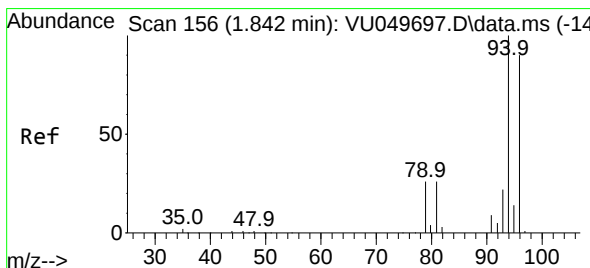
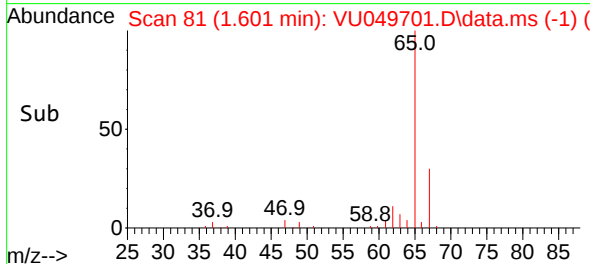
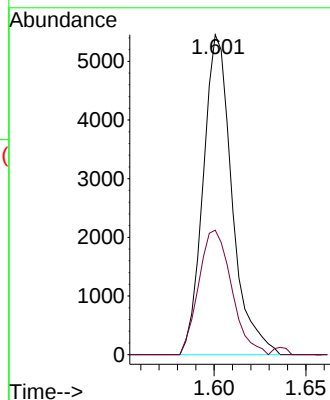
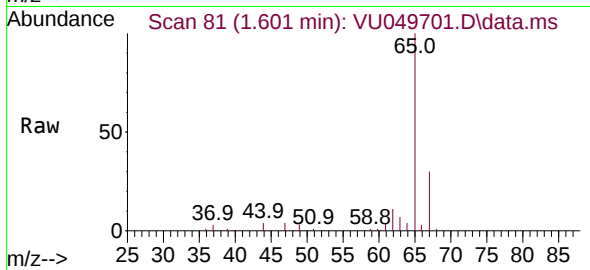




#5
 Vinyl chloride
 Concen: 2.523 ug/L
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

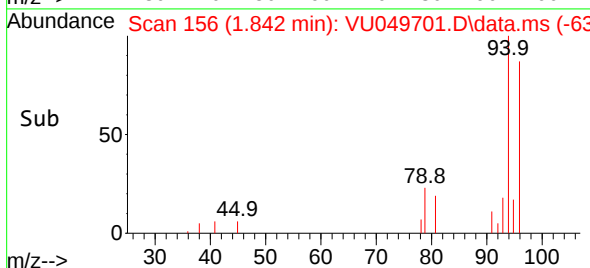
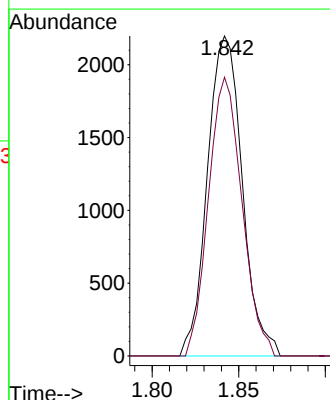
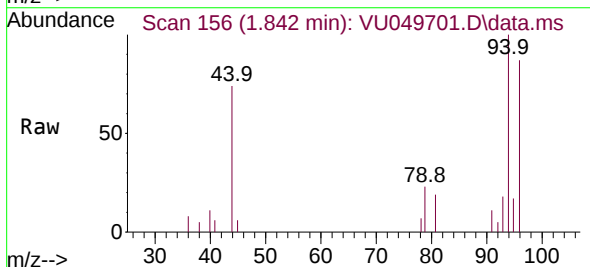
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 ClientSampleId :
 MDL-MED-SOIL-QT2-2022-04

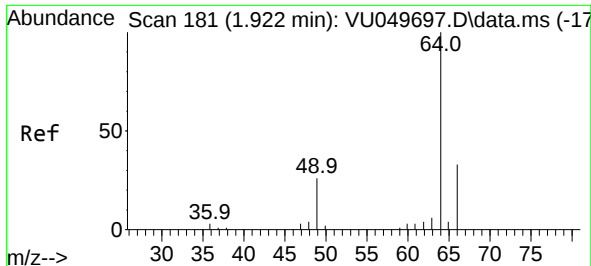
Tgt Ion: 62 Resp: 5969
 Ion Ratio Lower Upper
 62 100
 64 38.9 23.0 42.6



#6
 Bromomethane
 Concen: 2.813 ug/L
 RT: 1.842 min Scan# 156
 Delta R.T. 0.000 min
 Lab File: VU049701.D
 Acq: 13 Jul 2022 12:21

Tgt Ion: 94 Resp: 3075
 Ion Ratio Lower Upper
 94 100
 96 87.1 66.1 122.7

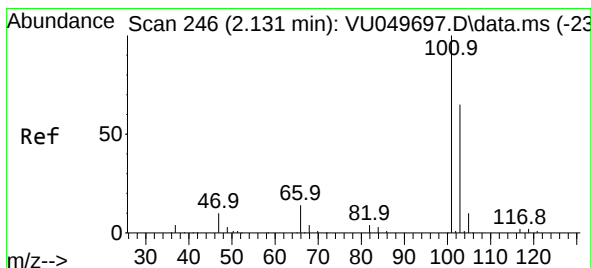
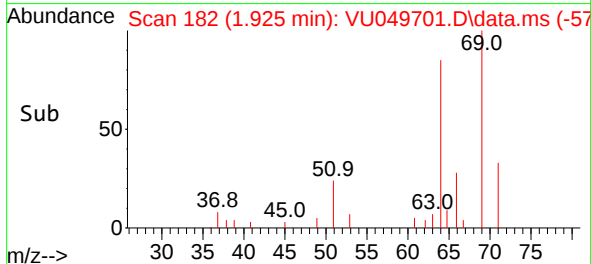
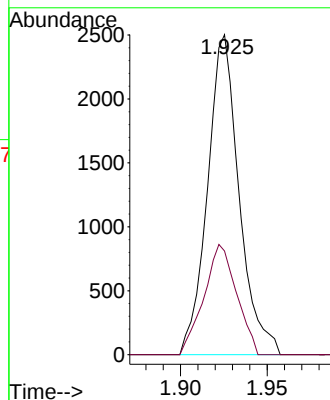
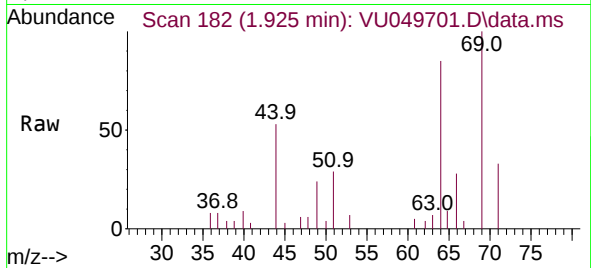




#8
Chloroethane
Concen: 2.419 ug/L
RT: 1.925 min Scan# 181
Delta R.T. 0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

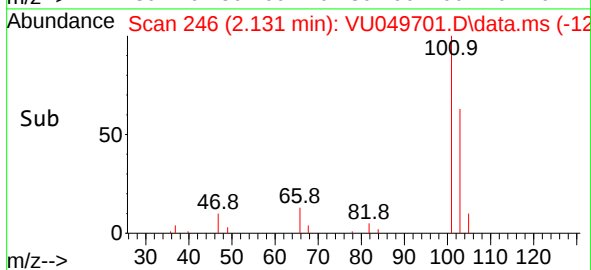
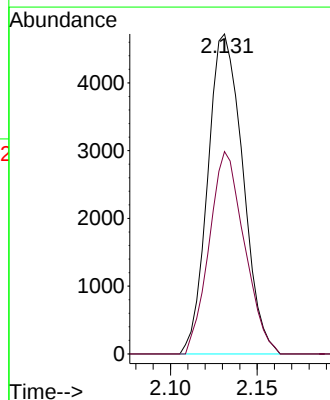
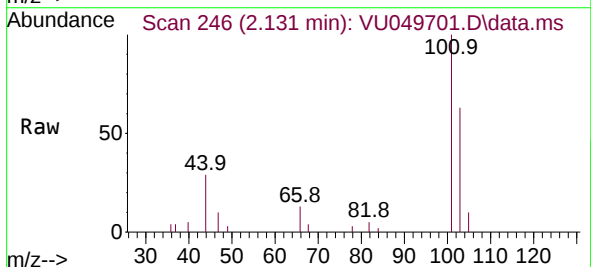
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

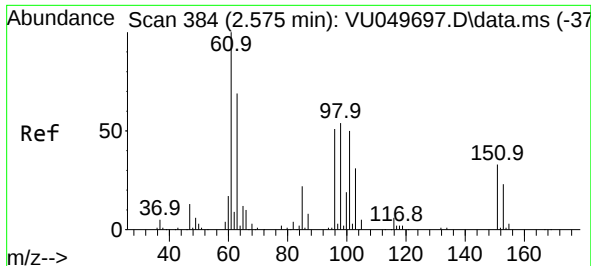
Tgt Ion: 64 Resp: 3170
Ion Ratio Lower Upper
64 100
66 33.1 22.1 41.1



#9
Trichlorofluoromethane
Concen: 2.274 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:101 Resp: 6643
Ion Ratio Lower Upper
101 100
103 63.5 52.2 78.4





#10

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

Concen: 2.704 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

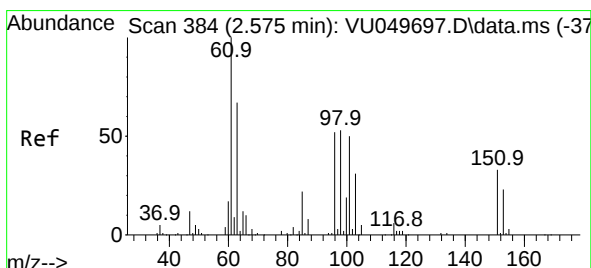
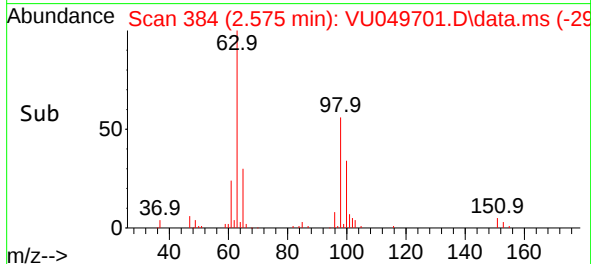
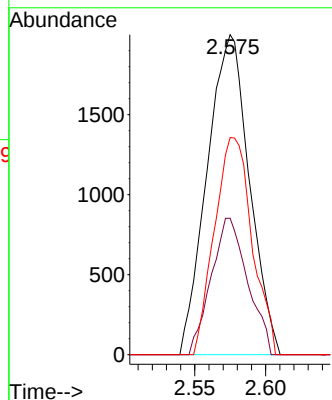
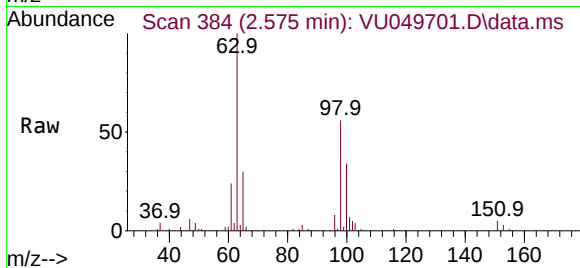
Tgt Ion:101 Resp: 4145

Ion Ratio Lower Upper

101 100

85 36.8 37.3 55.9#

151 60.4 56.9 85.3



#12

1,1-Dichloroethene

Concen: 2.853 ug/L

RT: 2.575 min Scan# 384

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

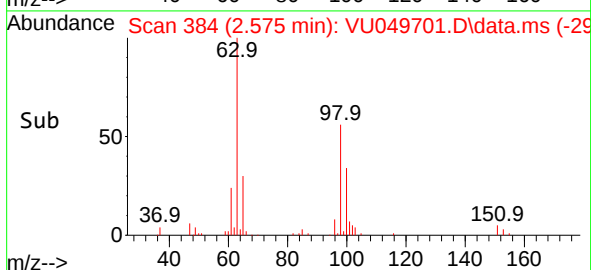
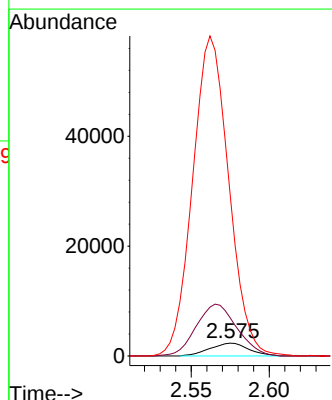
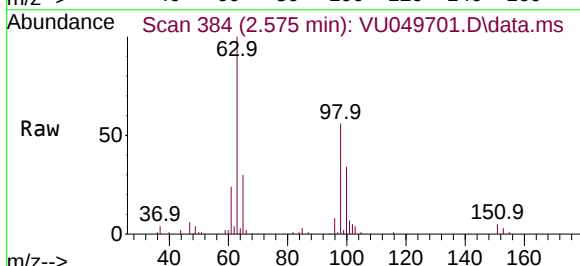
Tgt Ion: 96 Resp: 4059

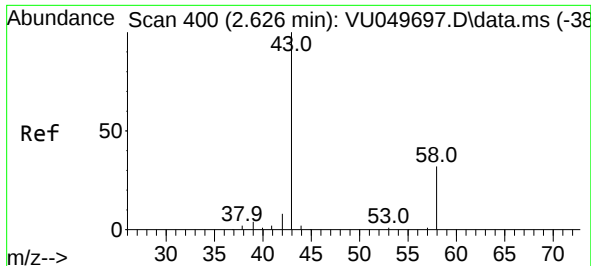
Ion Ratio Lower Upper

96 100

61 299.2 129.6 240.6#

63 1264.9 79.0 146.6#





#13

Acetone

Concen: 4.942 ug/L

RT: 2.626 min Scan# 400

Delta R.T. 0.000 min

Lab File: VU049701.D

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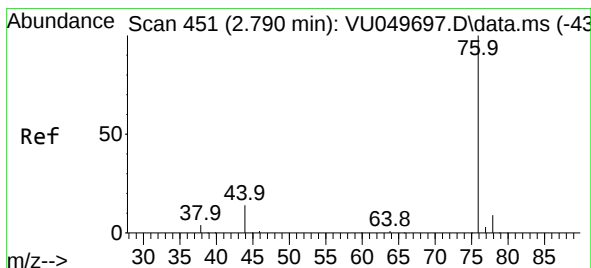
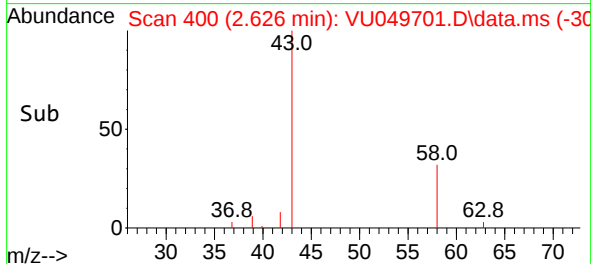
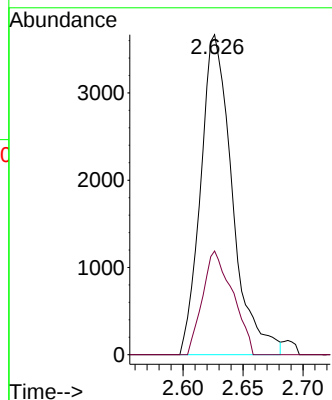
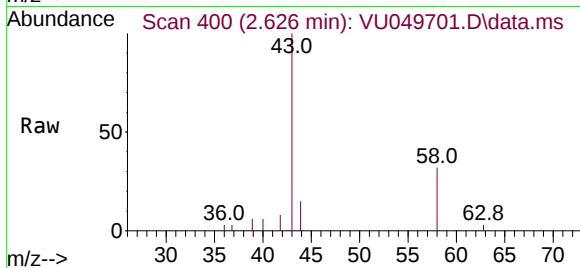
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 43 Resp: 6733

Ion Ratio Lower Upper

43 100

58 30.8 0.0 61.4



#14

Carbon disulfide

Concen: 2.307 ug/L

RT: 2.787 min Scan# 450

Delta R.T. -0.003 min

Lab File: VU049701.D

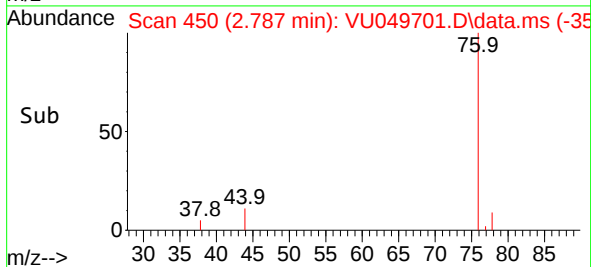
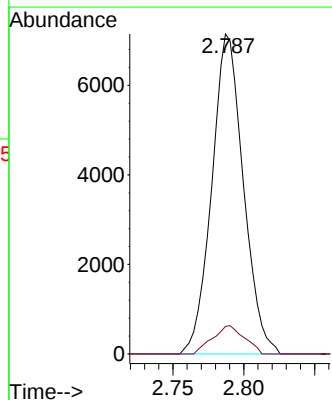
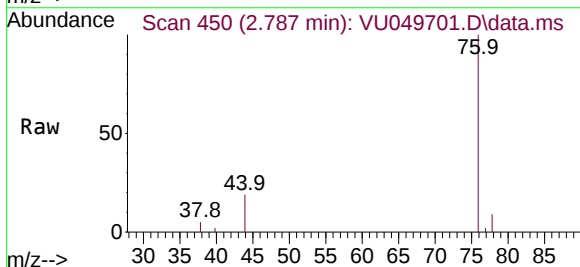
Acq: 13 Jul 2022 12:21

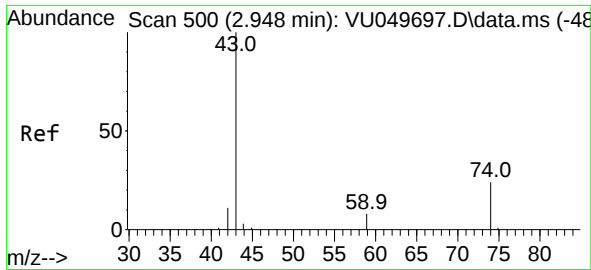
Tgt Ion: 76 Resp: 11070

Ion Ratio Lower Upper

76 100

78 8.6 7.6 11.4

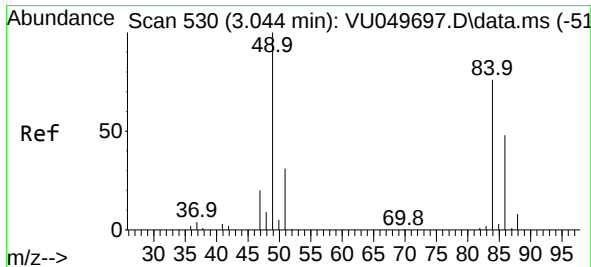
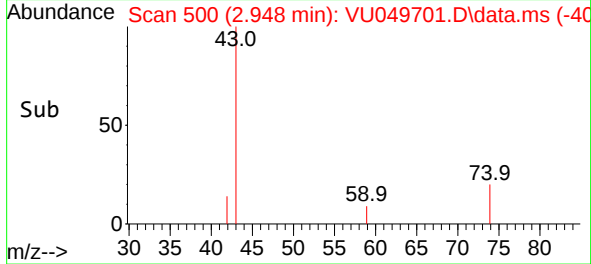
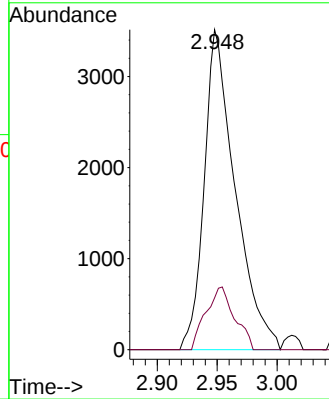
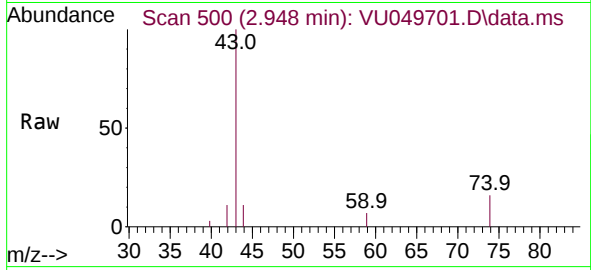




#15
Methyl Acetate
Concen: 2.858 ug/L
RT: 2.948 min Scan# 500
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

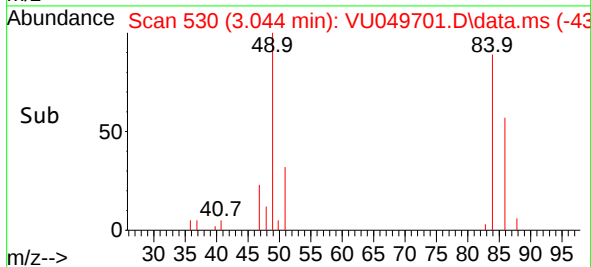
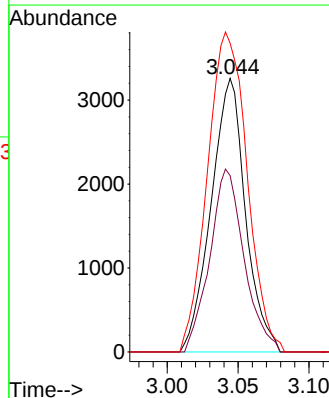
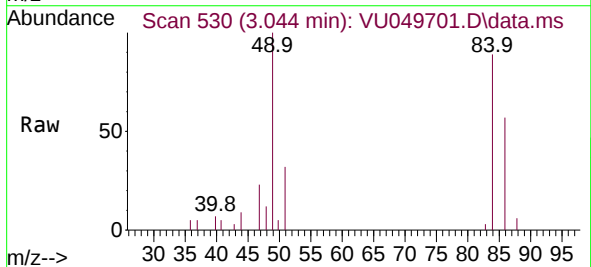
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

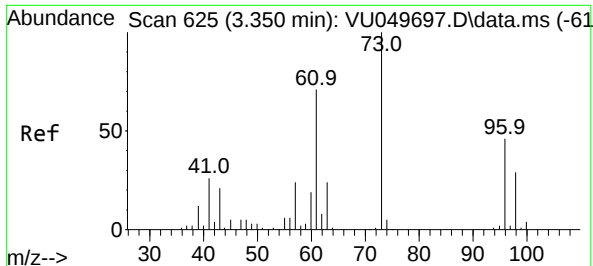
Tgt Ion: 43 Resp: 6325
Ion Ratio Lower Upper
43 100
74 18.1 17.4 26.0



#16
Methylene chloride
Concen: 3.074 ug/L
RT: 3.044 min Scan# 530
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 84 Resp: 5508
Ion Ratio Lower Upper
84 100
86 64.5 45.6 84.6
49 112.9 94.4 175.4





#17

trans-1,2-Dichloroethene

Concen: 2.218 ug/L

RT: 3.353 min Scan# 61

Delta R.T. 0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

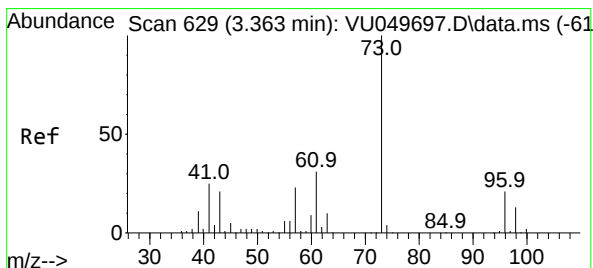
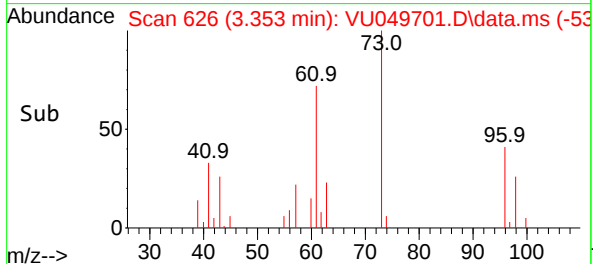
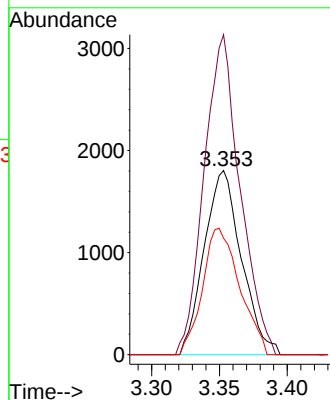
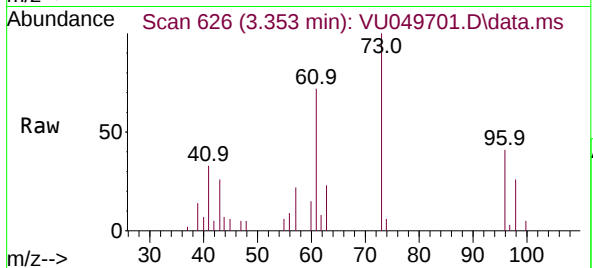
Tgt Ion: 96 Resp: 3453

Ion Ratio Lower Upper

96 100

61 173.8 107.6 199.8

98 63.2 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 2.478 ug/L

RT: 3.363 min Scan# 629

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

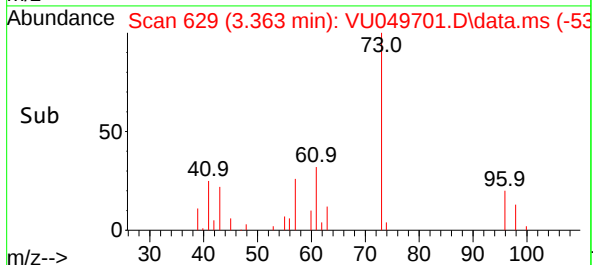
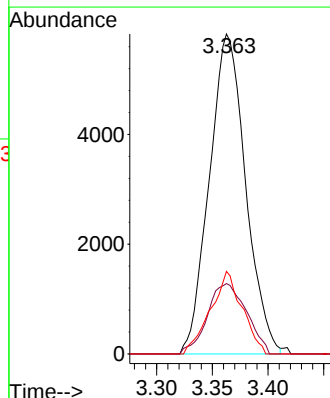
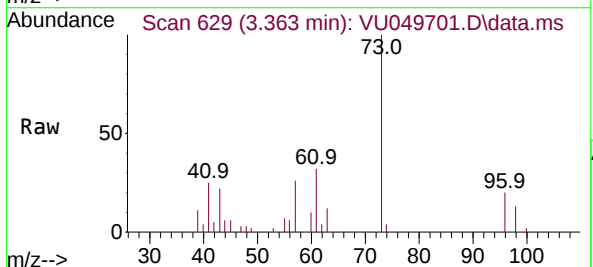
Tgt Ion: 73 Resp: 13214

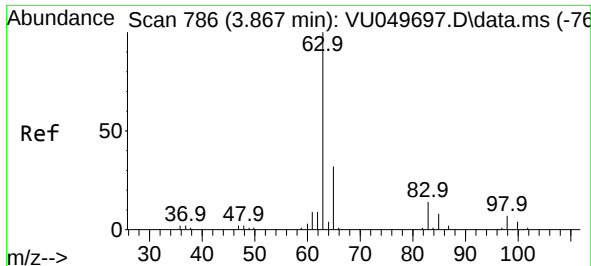
Ion Ratio Lower Upper

73 100

43 23.7 17.0 25.4

57 22.5 18.5 27.7





#19

1,1-Dichloroethane

Concen: 1.337 ug/L

RT: 3.864 min Scan# 7

Delta R.T. -0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

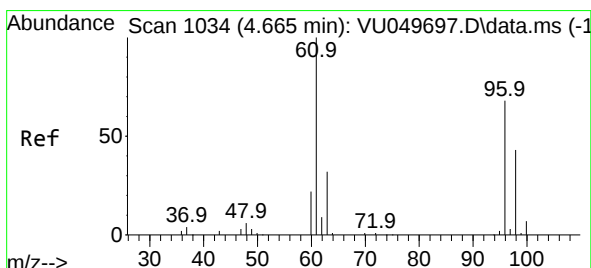
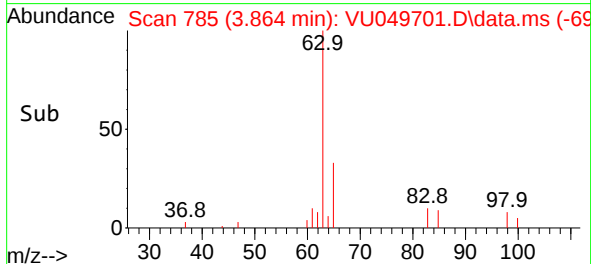
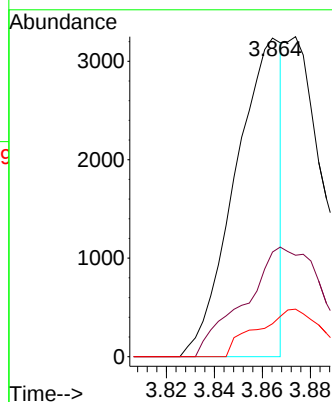
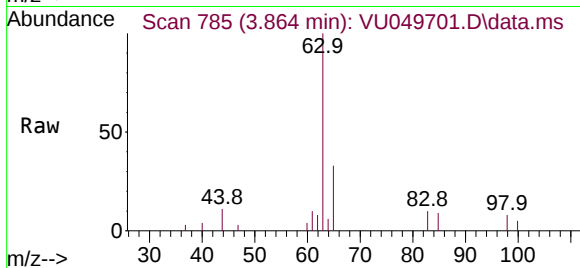
Tgt Ion: 63 Resp: 4332

Ion Ratio Lower Upper

63 100

65 32.8 22.6 42.0

83 10.4 9.2 17.2



#20

cis-1,2-Dichloroethene

Concen: 2.573 ug/L

RT: 4.668 min Scan# 1035

Delta R.T. 0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

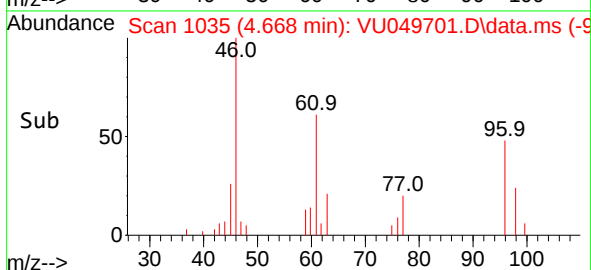
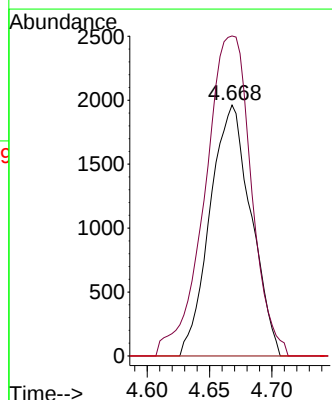
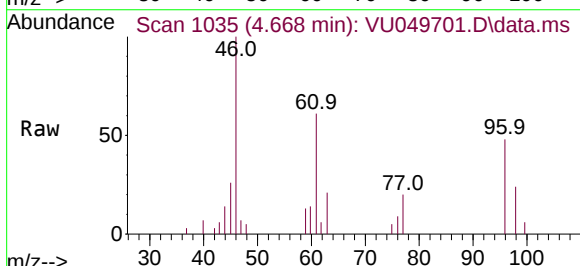
Tgt Ion: 96 Resp: 4501

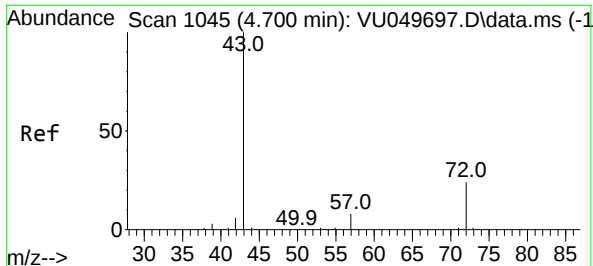
Ion Ratio Lower Upper

96 100

61 127.5 101.1 187.7

68 0.0 0.0 0.0





#22

2-Butanone

Concen: 4.678 ug/L

RT: 4.707 min Scan# 1045

Delta R.T. 0.006 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

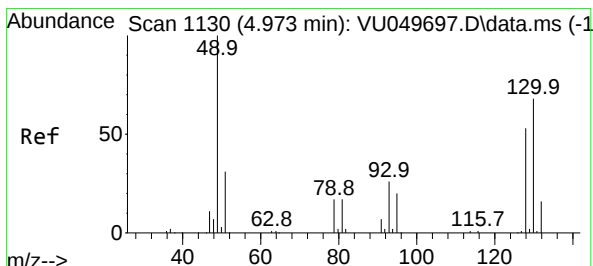
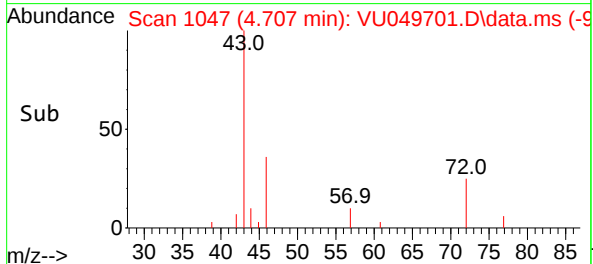
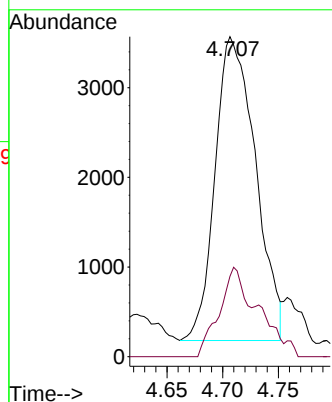
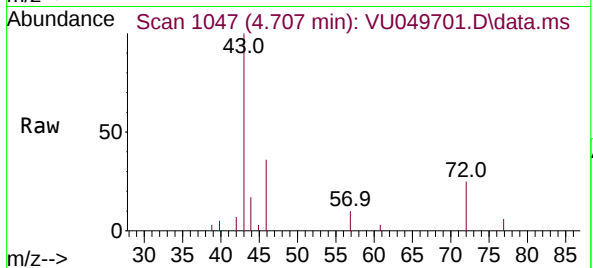
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 43 Resp: 8532

Ion Ratio Lower Upper

43 100

72 19.5 12.7 38.0



#23

Bromochloromethane

Concen: 2.594 ug/L

RT: 4.973 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Tgt Ion: 128 Resp: 2264

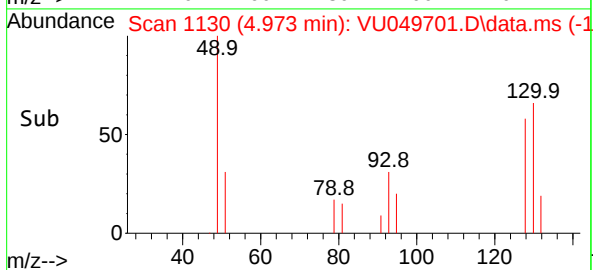
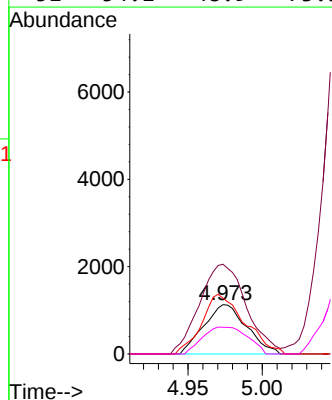
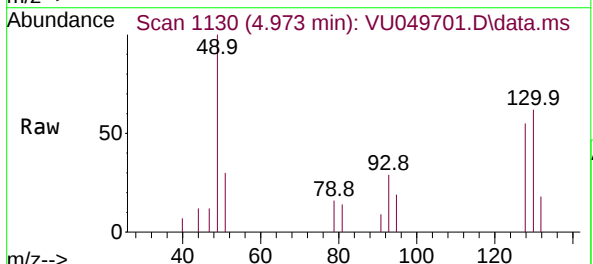
Ion Ratio Lower Upper

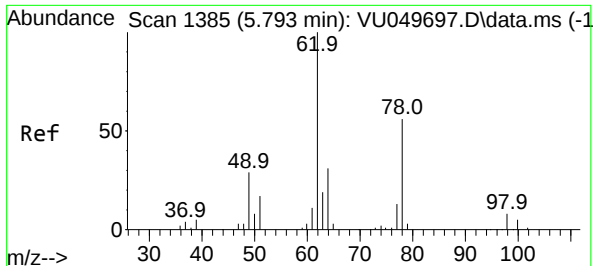
128 100

49 182.0 140.9 261.7

130 113.3 90.0 167.2

51 54.1 48.9 73.3





#27

1,2-Dichloroethane

Concen: 2.713 ug/L

RT: 5.793 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

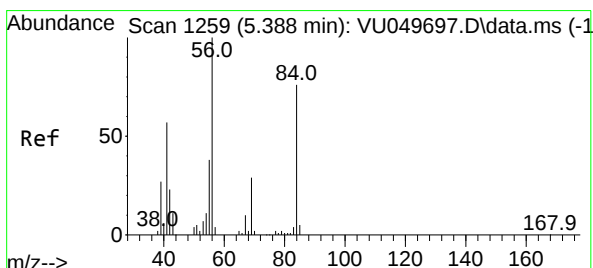
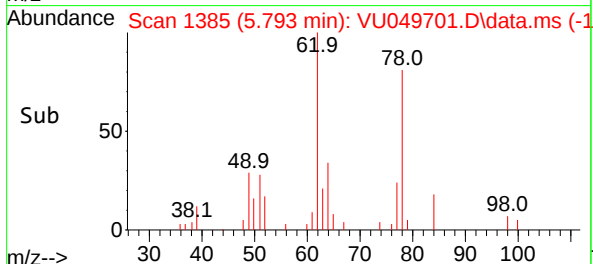
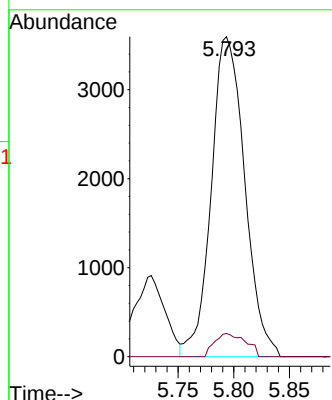
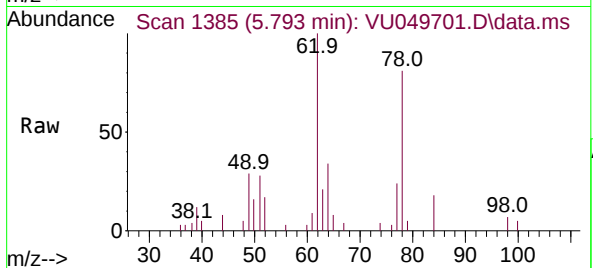
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 62 Resp: 7507

Ion Ratio Lower Upper

62 100

98 7.2 6.7 10.1



#29

Cyclohexane

Concen: 2.032 ug/L

RT: 5.385 min Scan# 1258

Delta R.T. -0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

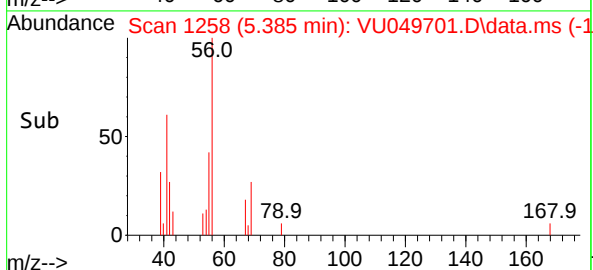
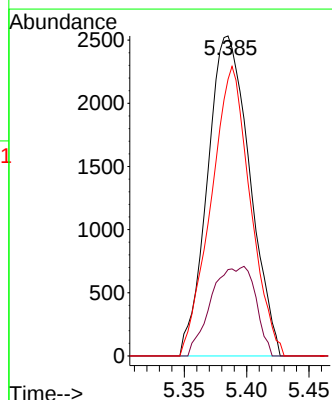
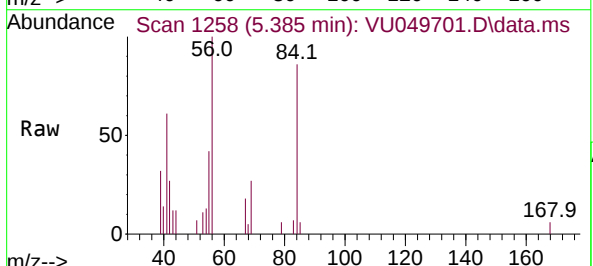
Tgt Ion: 56 Resp: 5971

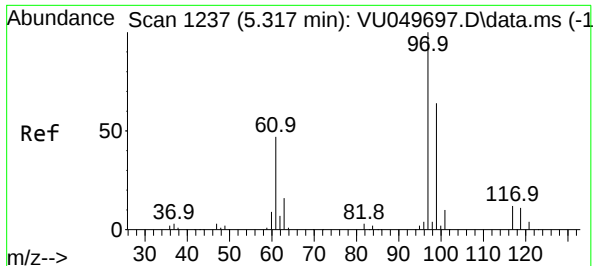
Ion Ratio Lower Upper

56 100

69 17.5 23.4 35.2#

84 83.9 63.1 94.7





#30

1,1,1-Trichloroethane

Concen: 2.448 ug/L

RT: 5.311 min Scan# 11

Delta R.T. -0.006 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

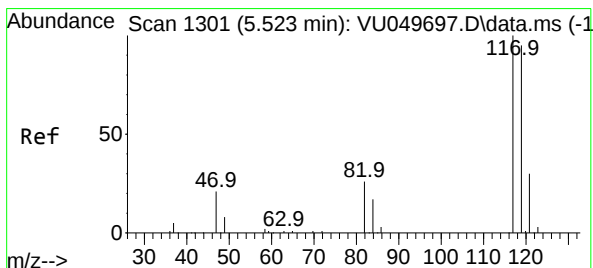
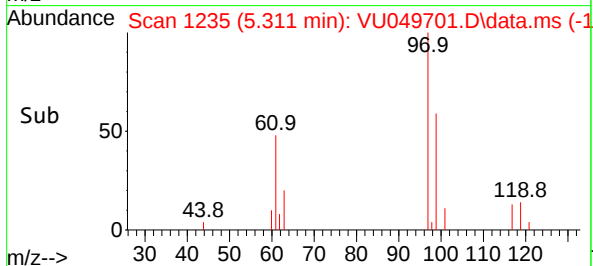
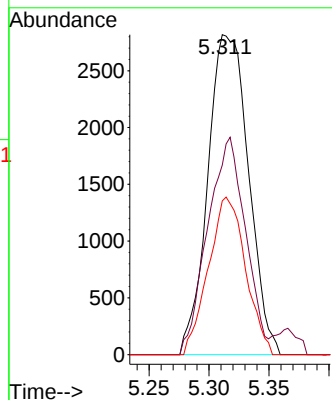
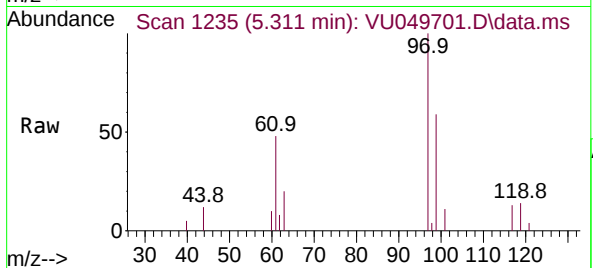
Tgt Ion: 97 Resp: 6670

Ion Ratio Lower Upper

97 100

99 63.1 51.3 76.9

61 44.8 38.2 57.2



#31

Carbon tetrachloride

Concen: 2.298 ug/L

RT: 5.523 min Scan# 1301

Delta R.T. 0.000 min

Lab File: VU049701.D

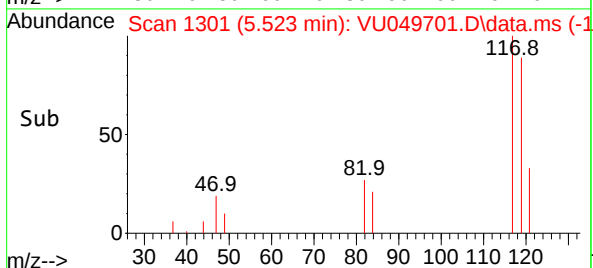
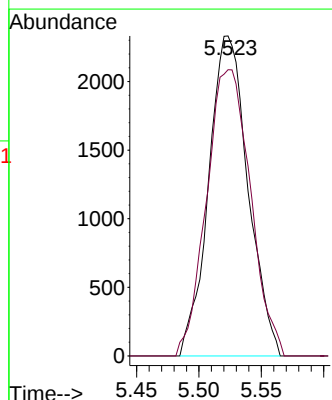
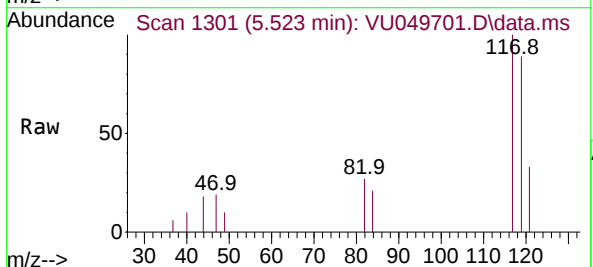
Acq: 13 Jul 2022 12:21

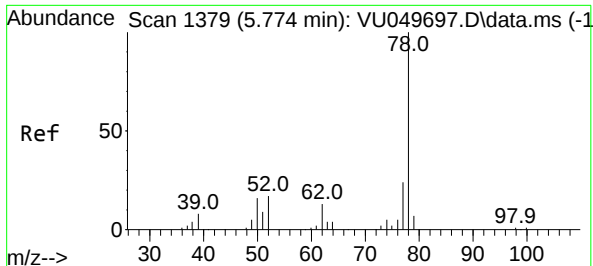
Tgt Ion: 117 Resp: 5123

Ion Ratio Lower Upper

117 100

119 99.7 75.8 113.8

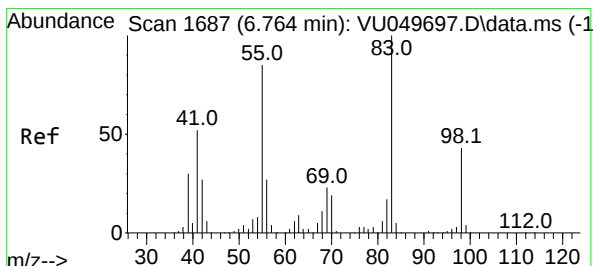
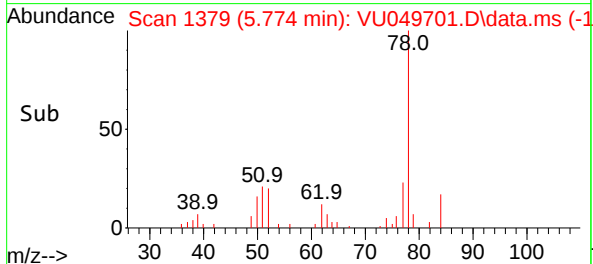
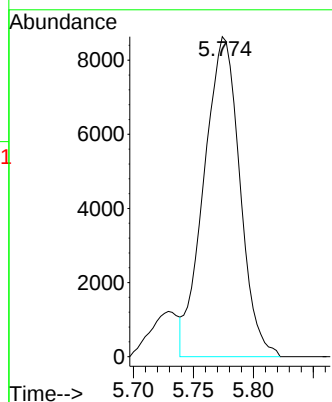
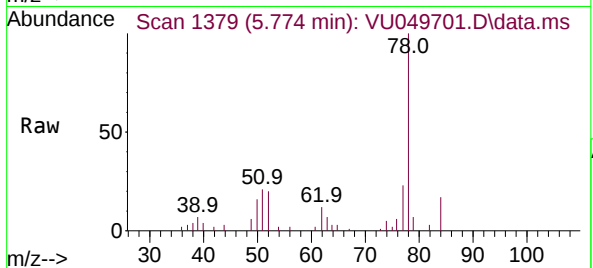




#33
Benzene
Concen: 2.539 ug/L
RT: 5.774 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

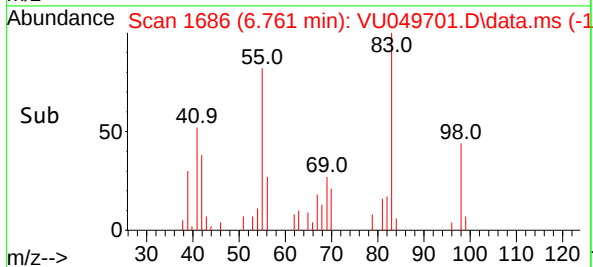
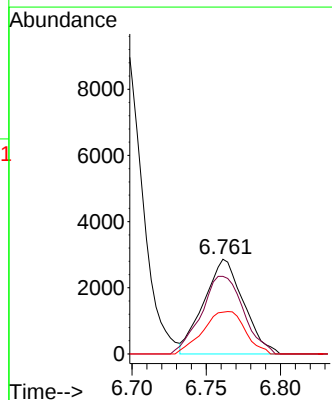
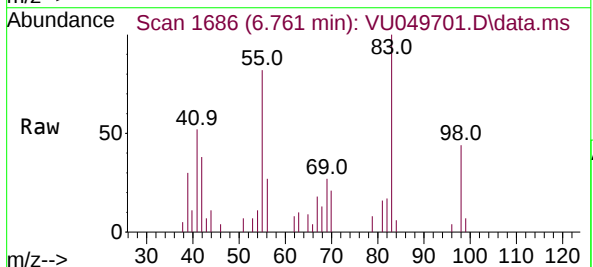
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

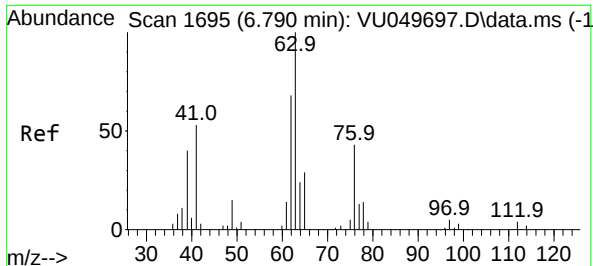
Tgt Ion: 78 Resp: 17962



#35
Methylcyclohexane
Concen: 1.976 ug/L
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 83 Resp: 5310
Ion Ratio Lower Upper
83 100
55 87.3 66.0 99.0
98 47.6 34.6 51.8

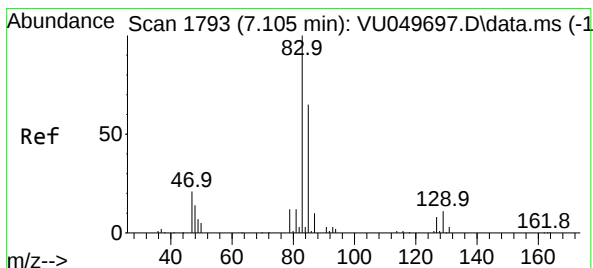
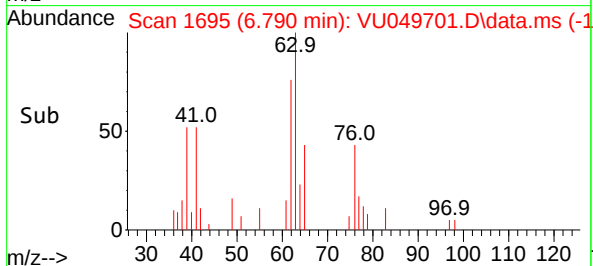
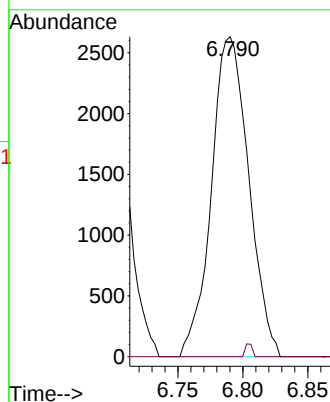
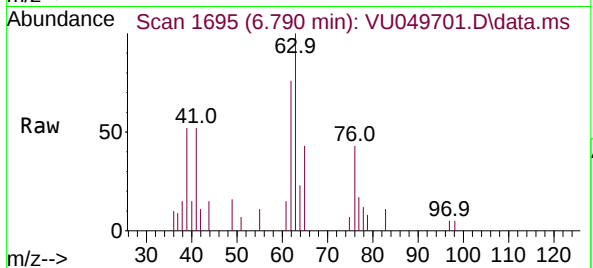




#37
1,2-Dichloropropane
Concen: 2.684 ug/L
RT: 6.790 min Scan# 1695
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

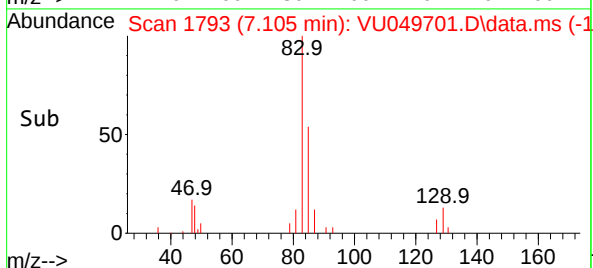
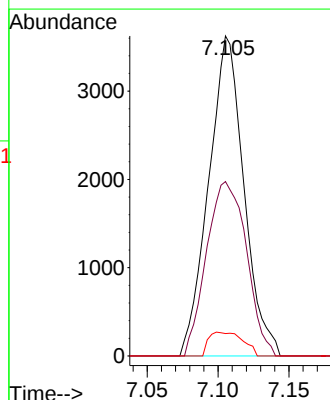
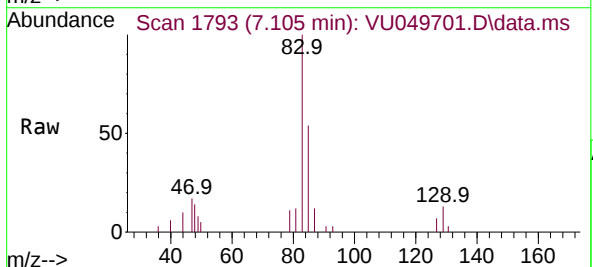
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

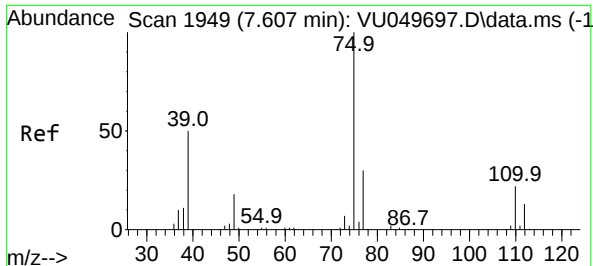
Tgt Ion: 63 Resp: 5263
Ion Ratio Lower Upper
63 100
112 0.8 2.8 4.2#



#38
Bromodichloromethane
Concen: 2.579 ug/L
RT: 7.105 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion: 83 Resp: 6271
Ion Ratio Lower Upper
83 100
85 54.5 45.4 84.2
127 7.0 6.6 10.0





#39

cis-1,3-Dichloropropene

Concen: 2.501 ug/L

RT: 7.607 min Scan# 1949

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

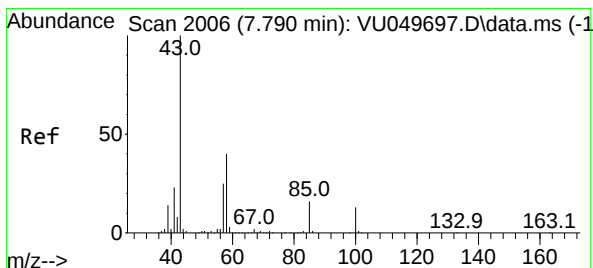
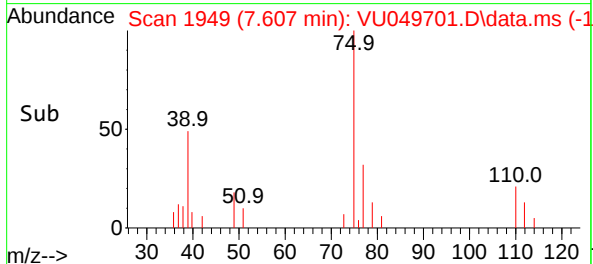
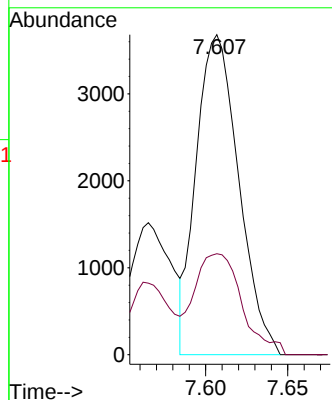
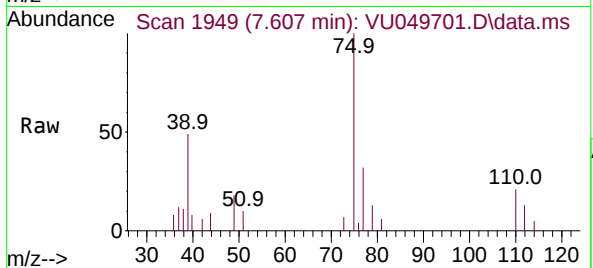
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 75 Resp: 6615

Ion Ratio Lower Upper

75 100

77 31.6 22.6 42.0



#40

4-Methyl-2-pentanone

Concen: 5.122 ug/L

RT: 7.790 min Scan# 2006

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

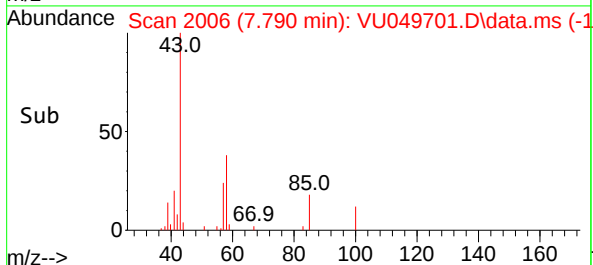
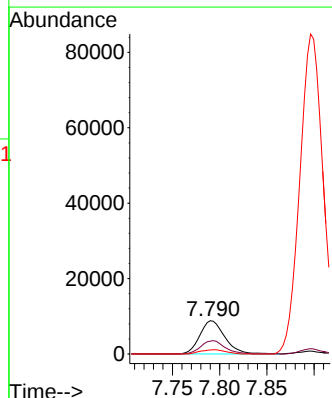
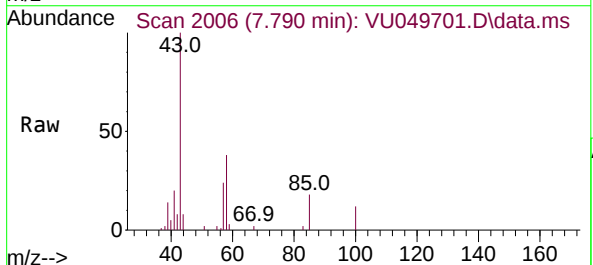
Tgt Ion: 43 Resp: 16263

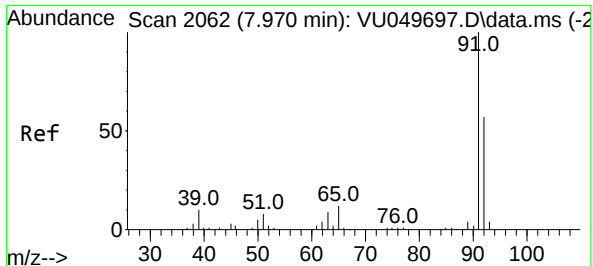
Ion Ratio Lower Upper

43 100

58 38.1 31.4 47.0

100 12.5 10.3 15.5





#42

Toluene

Concen: 2.506 ug/L

RT: 7.970 min Scan# 2062

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

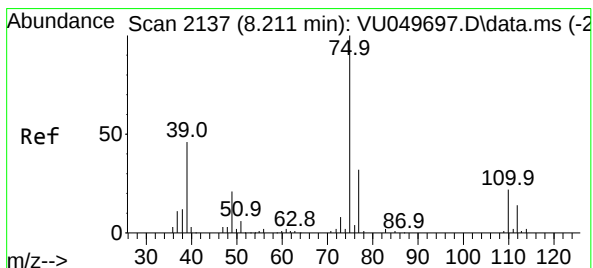
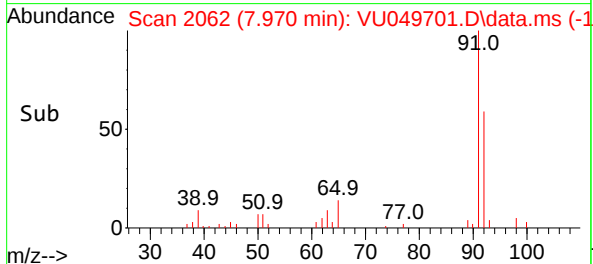
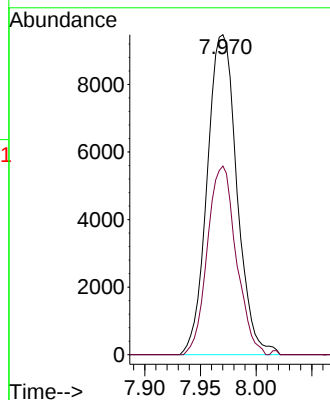
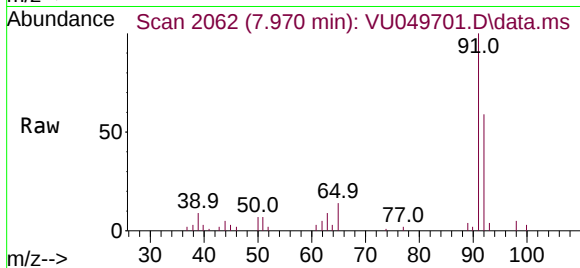
MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 91 Resp: 17622

Ion Ratio Lower Upper

91 100

92 59.0 40.8 75.8



#44

trans-1,3-Dichloropropene

Concen: 2.352 ug/L

RT: 8.208 min Scan# 2136

Delta R.T. -0.003 min

Lab File: VU049701.D

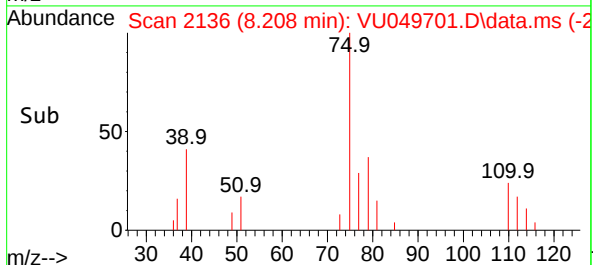
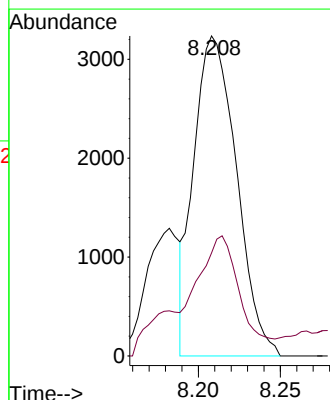
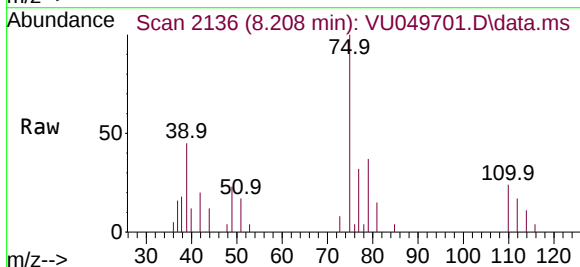
Acq: 13 Jul 2022 12:21

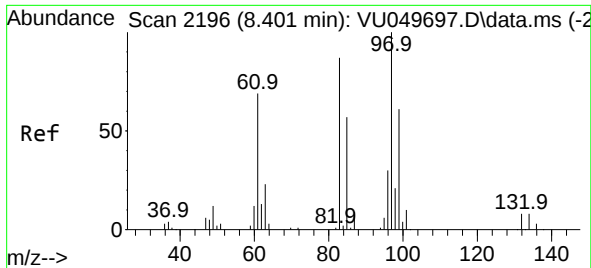
Tgt Ion: 75 Resp: 5840

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9

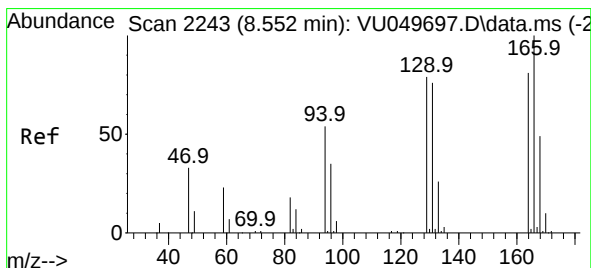
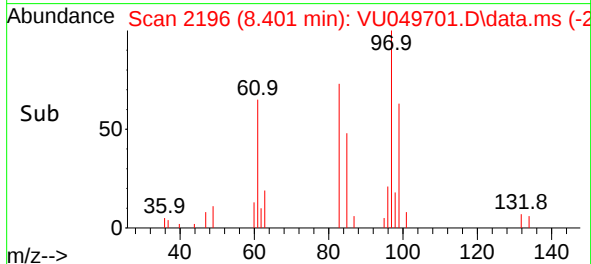
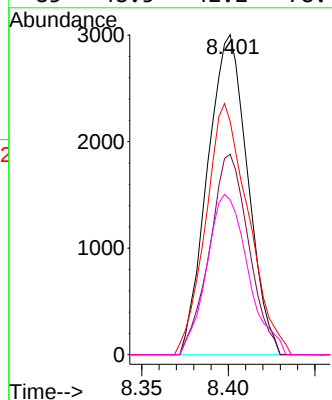
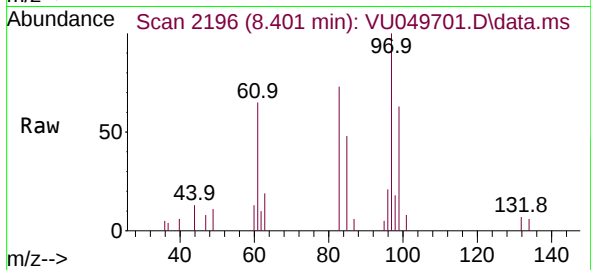




#45
1,1,2-Trichloroethane
Concen: 2.831 ug/L
RT: 8.401 min Scan# 2196
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

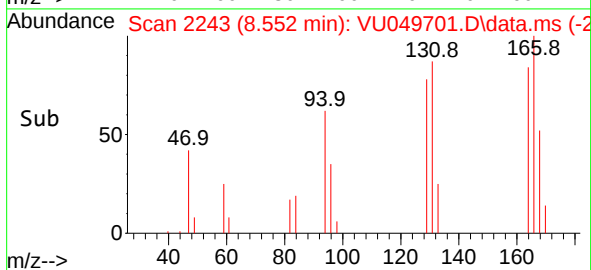
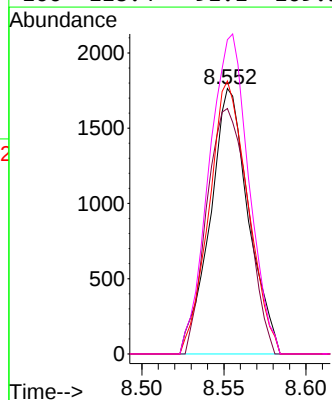
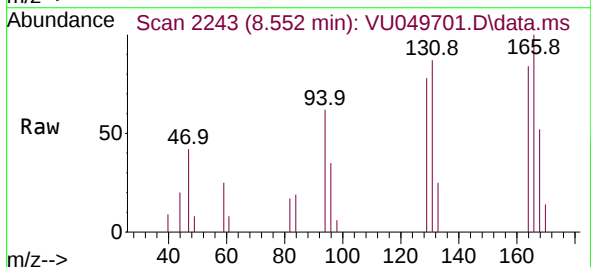
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

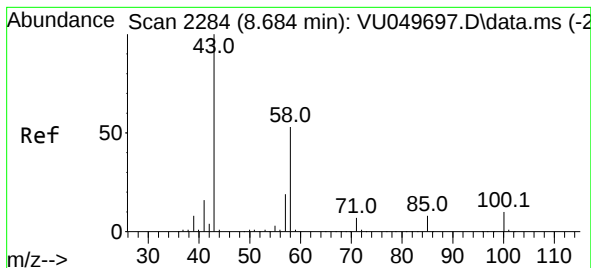
Tgt Ion: 97	Resp: 4847
Ion Ratio	Lower Upper
97 100	
99 62.6	44.3 82.3
83 72.9	64.0 118.8
85 48.5	42.2 78.4



#46
Tetrachloroethene
Concen: 2.406 ug/L
RT: 8.552 min Scan# 2243
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt	Ion:164	Resp:	2854
Ion	Ratio	Lower	Upper
164	100		
129	92.5	72.0	133.8
131	102.8	69.0	128.1
166	118.4	91.1	169.3





#48

2-Hexanone

Concen: 8.070 ug/L

RT: 8.684 min Scan# 21

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

Tgt Ion: 43 Resp: 20475

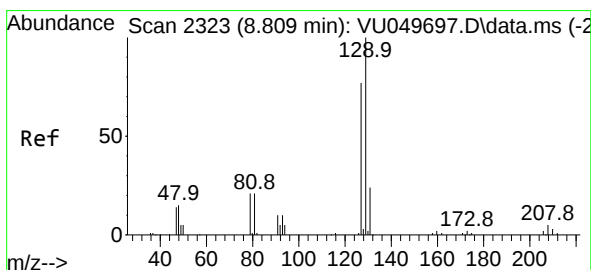
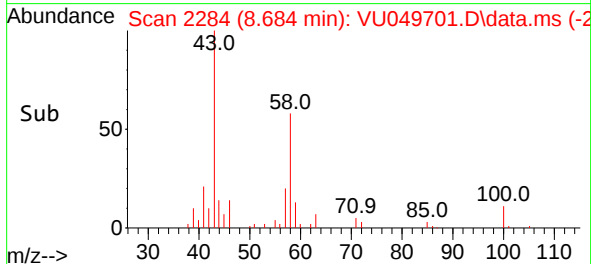
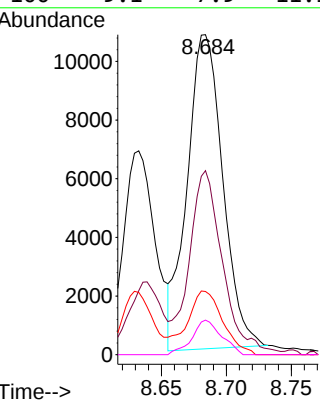
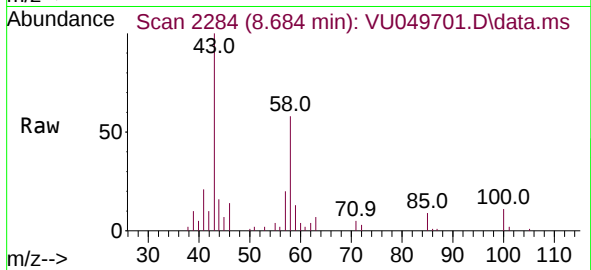
Ion Ratio Lower Upper

43 100

58 46.6 42.6 64.0

57 19.1 15.0 22.6

100 9.1 7.9 11.9



#49

Dibromochloromethane

Concen: 2.621 ug/L

RT: 8.809 min Scan# 2323

Delta R.T. 0.000 min

Lab File: VU049701.D

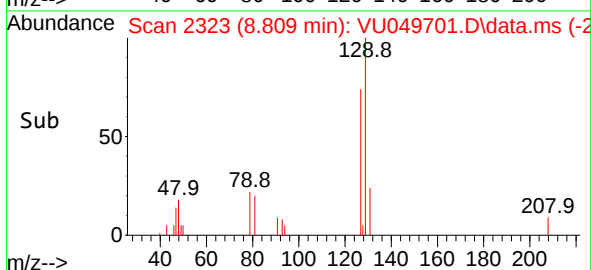
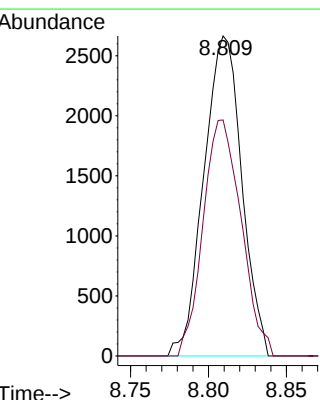
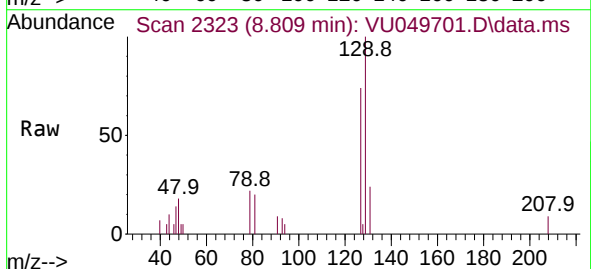
Acq: 13 Jul 2022 12:21

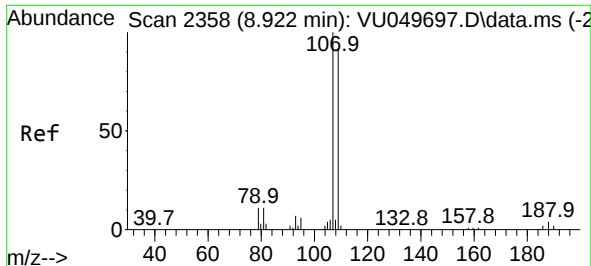
Tgt Ion: 129 Resp: 4513

Ion Ratio Lower Upper

129 100

127 78.5 56.9 105.7

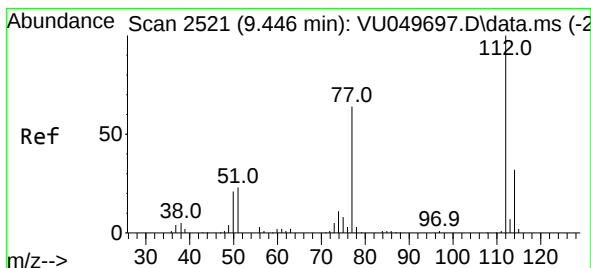
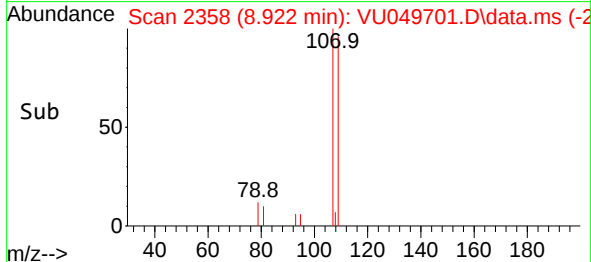
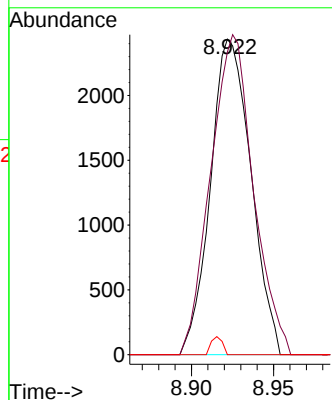
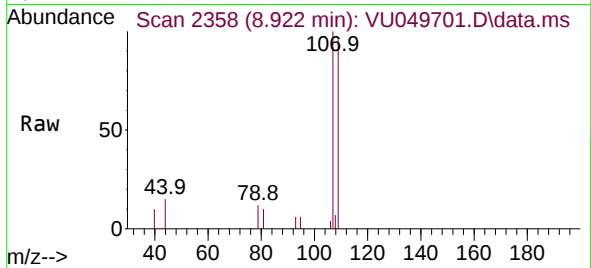




#50
1,2-Dibromoethane
Concen: 2.456 ug/L
RT: 8.922 min Scan# 2358
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

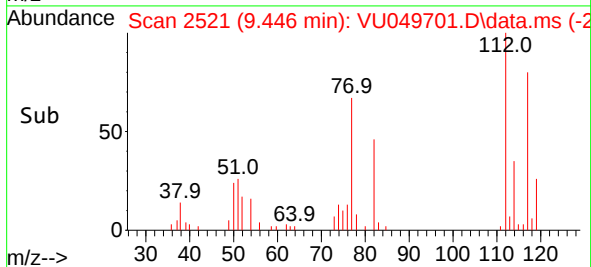
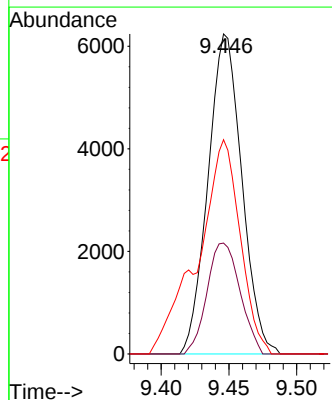
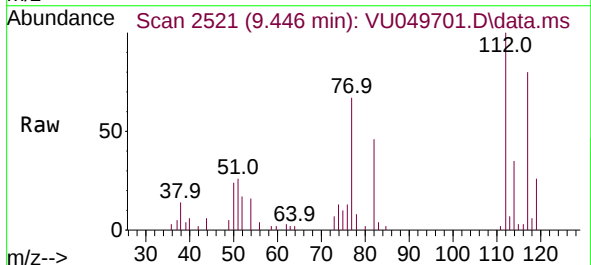
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

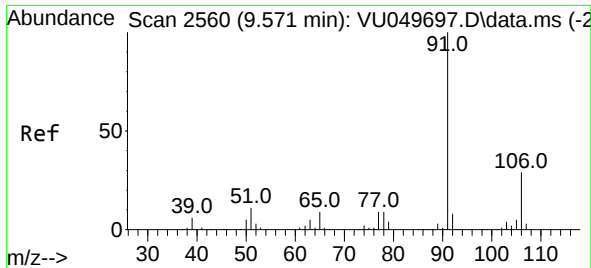
Tgt Ion:107 Resp: 4176
Ion Ratio Lower Upper
107 100
109 95.9 65.7 121.9
188 0.0 2.7 4.1#



#51
Chlorobenzene
Concen: 2.544 ug/L
RT: 9.446 min Scan# 2521
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:112 Resp: 10832
Ion Ratio Lower Upper
112 100
114 34.6 22.1 41.1
77 66.9 51.2 76.8

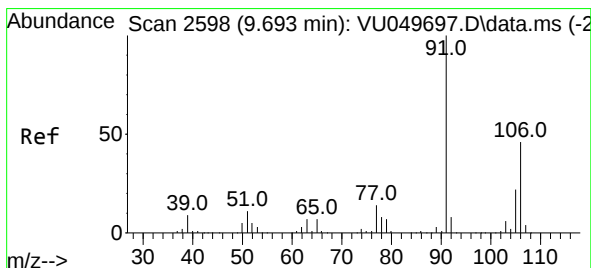
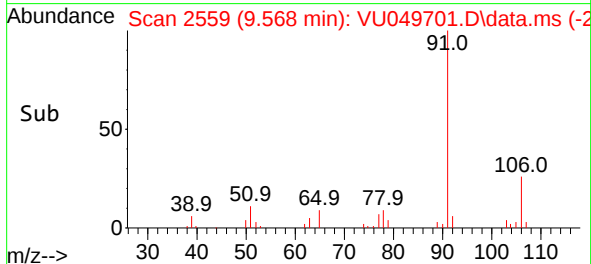
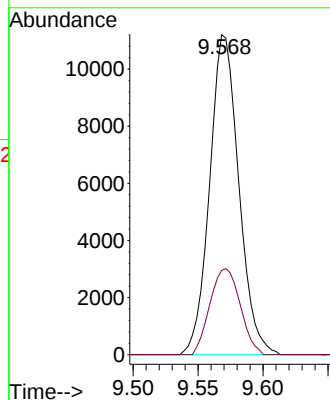
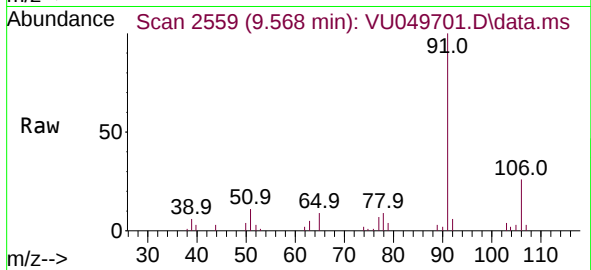




#52
Ethylbenzene
Concen: 2.355 ug/L
RT: 9.568 min Scan# 2559
Delta R.T. -0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

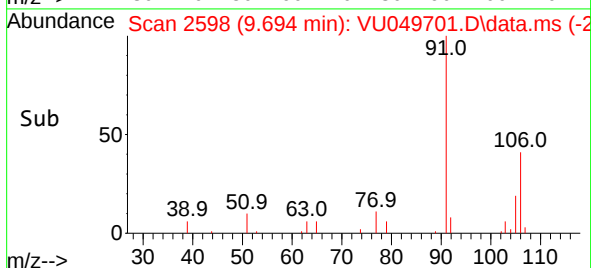
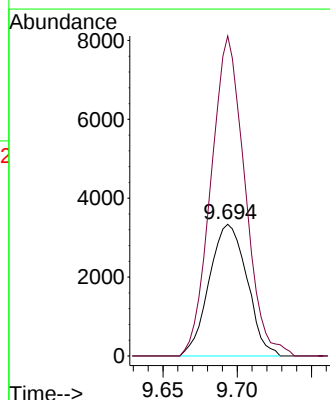
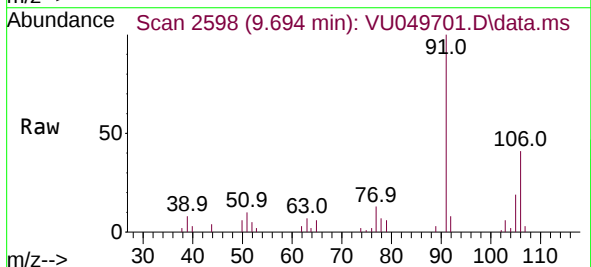
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

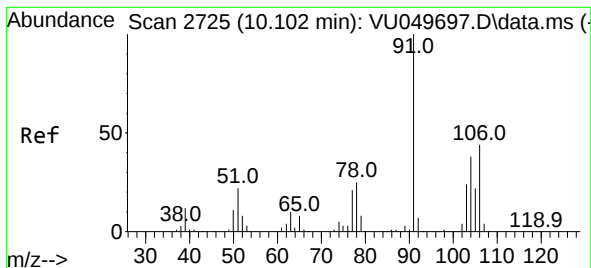
Tgt Ion: 91 Resp: 17474
Ion Ratio Lower Upper
91 100
106 26.3 21.0 39.0



#53
m,p-Xylene
Concen: 2.190 ug/L
RT: 9.694 min Scan# 2598
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:106 Resp: 5910
Ion Ratio Lower Upper
106 100
91 226.8 151.7 281.7





#54

o-Xylene

Concen: 2.270 ug/L

RT: 10.102 min Scan# 2725

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

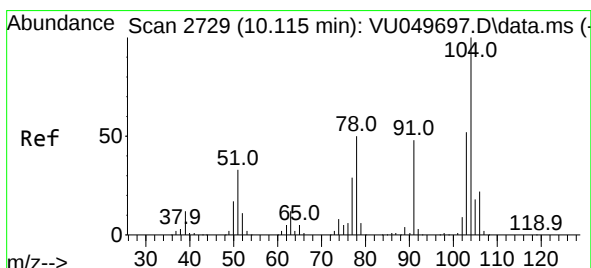
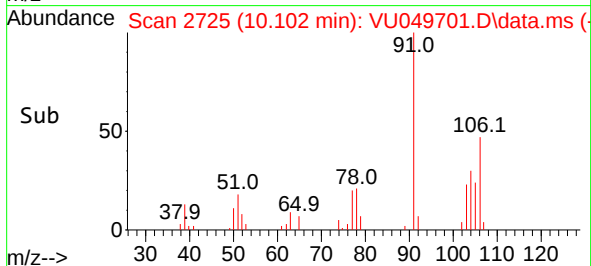
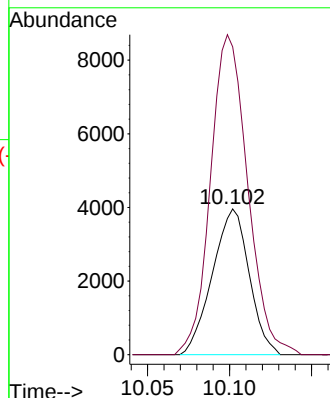
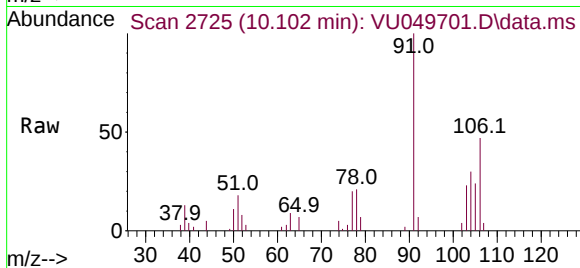
MDL-MED-SOIL-QT2-2022-04

Tgt Ion:106 Resp: 6168

Ion Ratio Lower Upper

106 100

91 194.6 156.9 291.5



#55

Styrene

Concen: 1.933 ug/L

RT: 10.115 min Scan# 2729

Delta R.T. 0.000 min

Lab File: VU049701.D

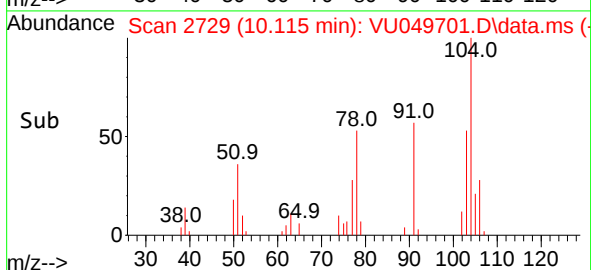
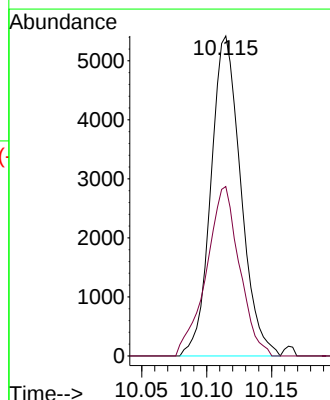
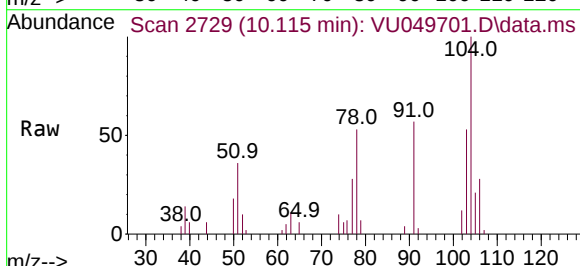
Acq: 13 Jul 2022 12:21

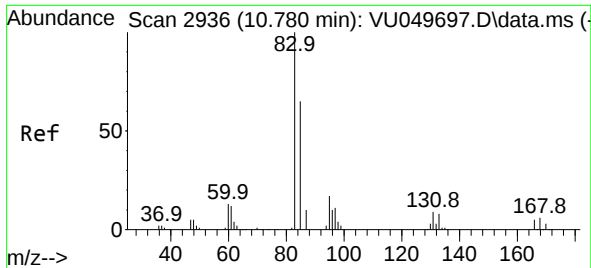
Tgt Ion:104 Resp: 8666

Ion Ratio Lower Upper

104 100

78 53.0 36.1 67.1

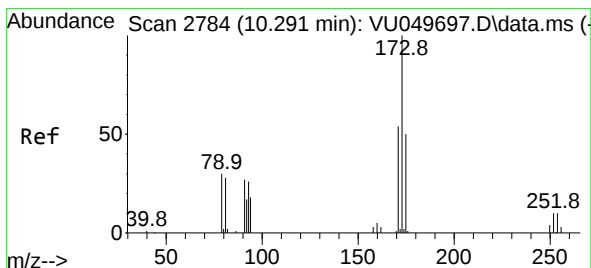
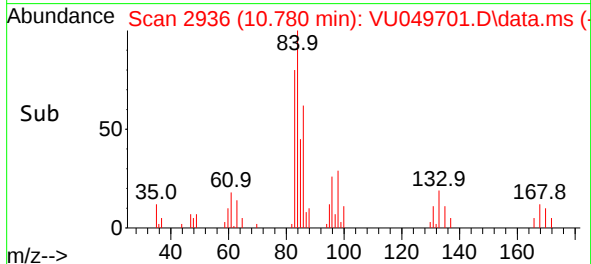
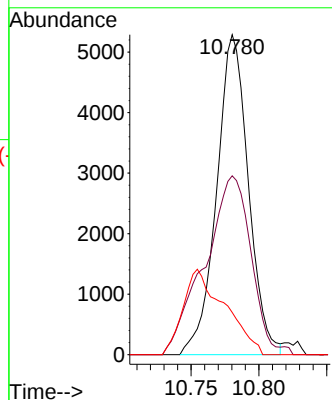
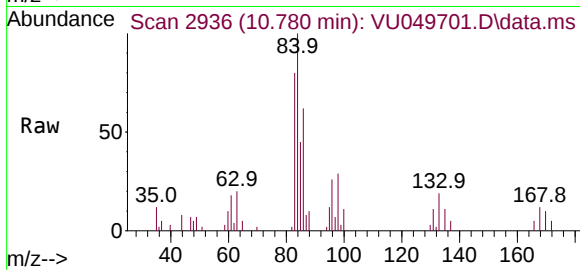




#57
1,1,2,2-Tetrachloroethane
Concen: 2.812 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

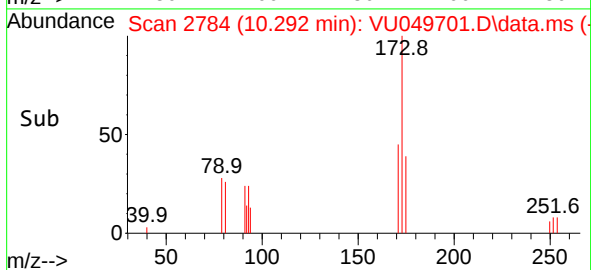
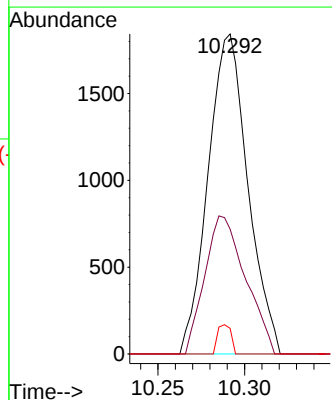
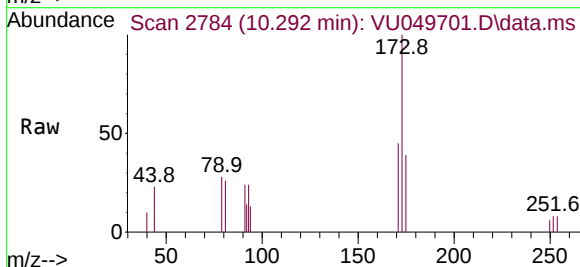
Instrument : MSVOA_U
ClientSampleId : MDL-MED-SOIL-QT2-2022-04

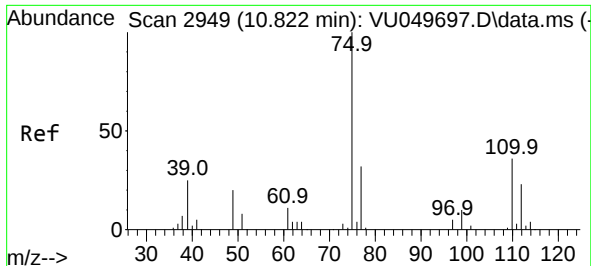
Tgt Ion: 83 Resp: 8618
Ion Ratio Lower Upper
83 100
85 55.9 45.0 83.6
131 13.2 7.0 10.6#



#59
Bromoform
Concen: 2.618 ug/L
RT: 10.292 min Scan# 2784
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:173 Resp: 2942
Ion Ratio Lower Upper
173 100
175 44.2 38.6 58.0
254 3.1 7.4 11.0#

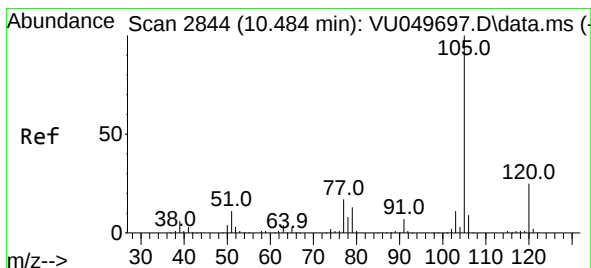
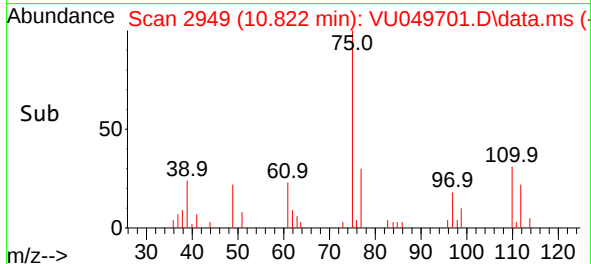
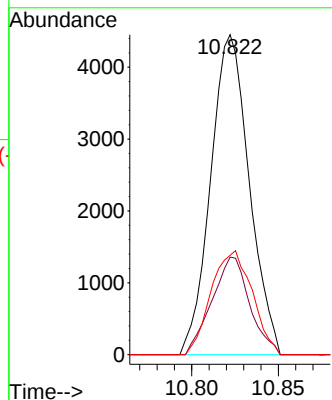
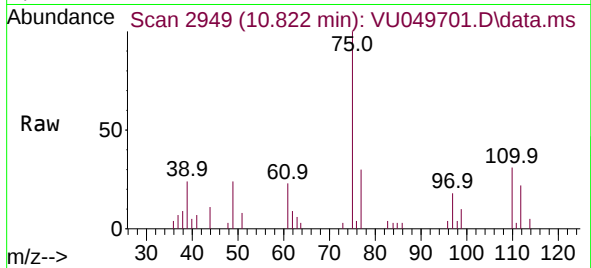




#60
1,2,3-Trichloropropane
Concen: 3.088 ug/L
RT: 10.822 min Scan# 2949
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

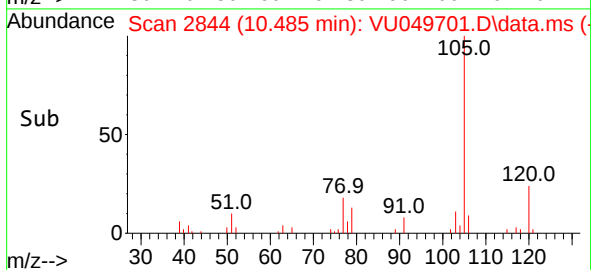
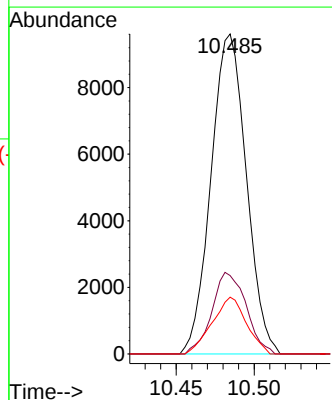
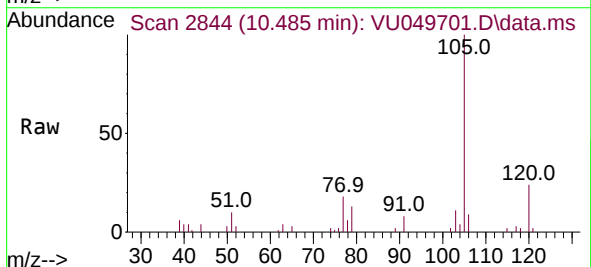
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

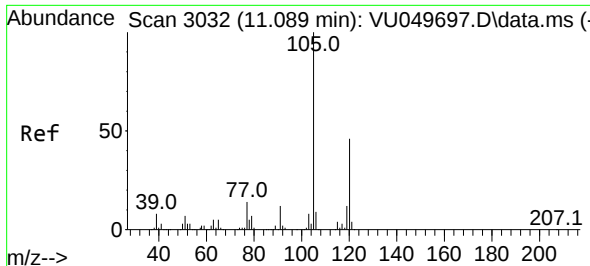
Tgt Ion:	75	Resp:	6893
Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.5	38.3
110	34.6	28.9	43.3



#61
Isopropylbenzene
Concen: 2.423 ug/L
RT: 10.485 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:	105	Resp:	15162
Ion	Ratio	Lower	Upper
105	100		
120	24.7	19.9	29.9
77	17.2	13.8	20.8





#62

1,3,5-Trimethylbenzene

Concen: 2.161 ug/L

RT: 11.086 min Scan# 3032

Delta R.T. -0.003 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

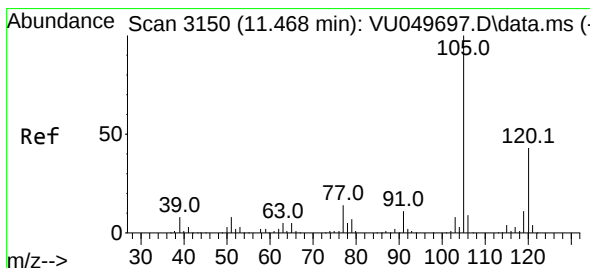
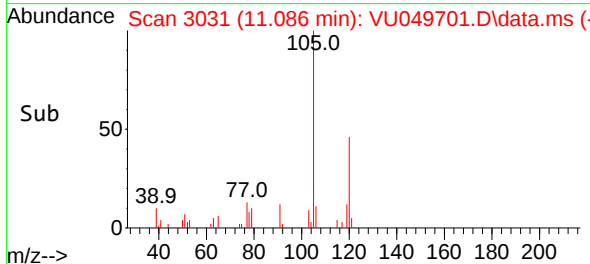
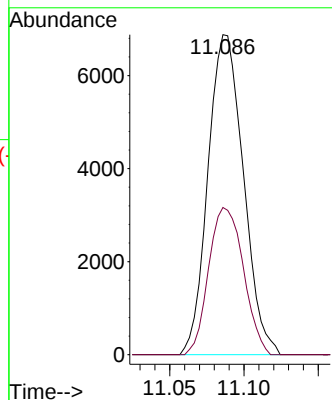
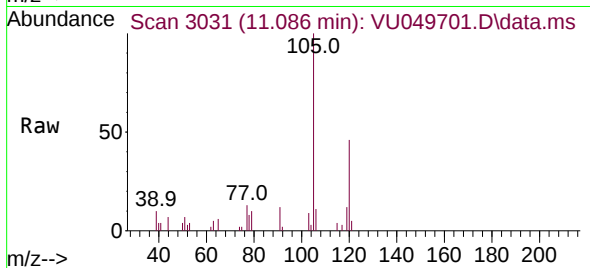
MDL-MED-SOIL-QT2-2022-04

Tgt Ion:105 Resp: 11407

Ion Ratio Lower Upper

105 100

120 45.1 36.8 55.2



#63

1,2,4-Trimethylbenzene

Concen: 2.104 ug/L

RT: 11.468 min Scan# 3150

Delta R.T. 0.000 min

Lab File: VU049701.D

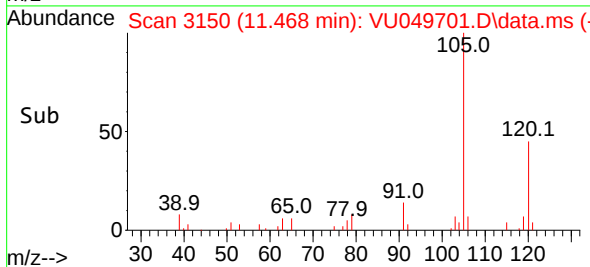
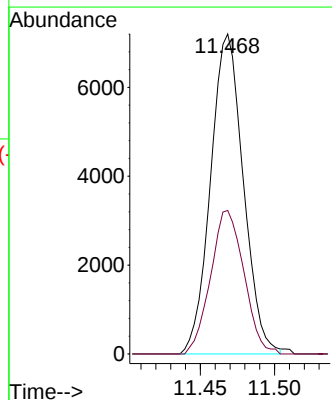
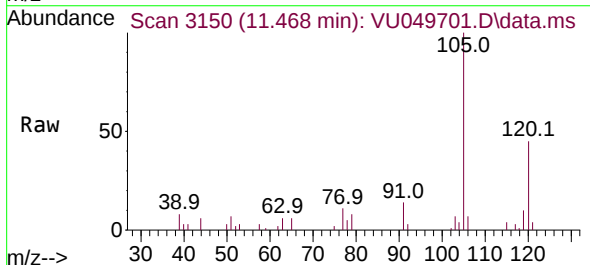
Acq: 13 Jul 2022 12:21

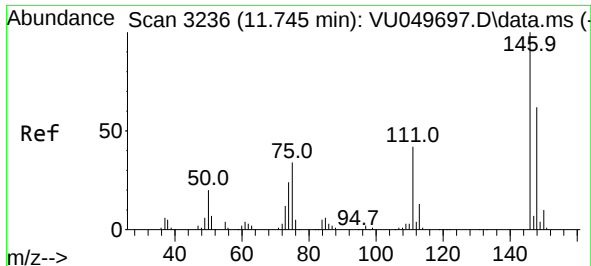
Tgt Ion:105 Resp: 11031

Ion Ratio Lower Upper

105 100

120 45.5 33.9 50.9





#64

1,3-Dichlorobenzene

Concen: 2.429 ug/L

RT: 11.745 min Scan# 31

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

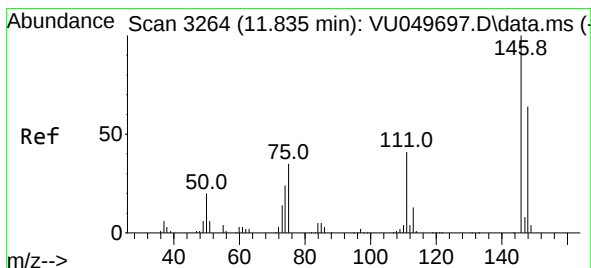
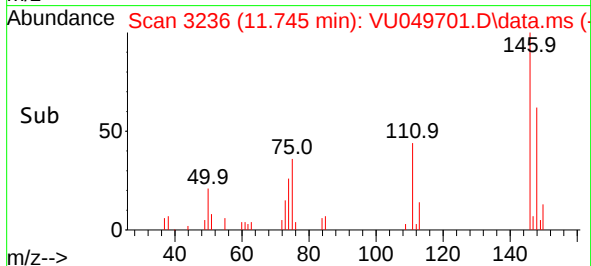
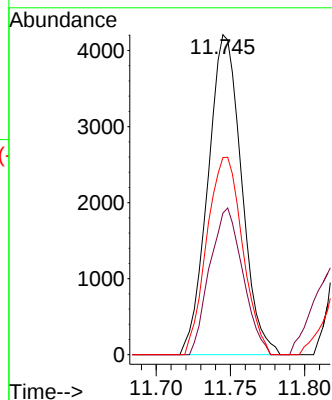
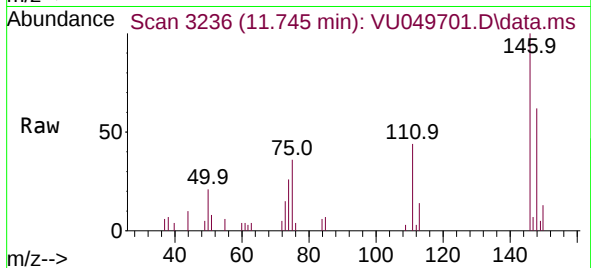
Tgt Ion:146 Resp: 6635

Ion Ratio Lower Upper

146 100

111 41.3 30.0 55.6

148 57.5 45.1 83.9



#65

1,4-Dichlorobenzene

Concen: 2.559 ug/L

RT: 11.835 min Scan# 3264

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

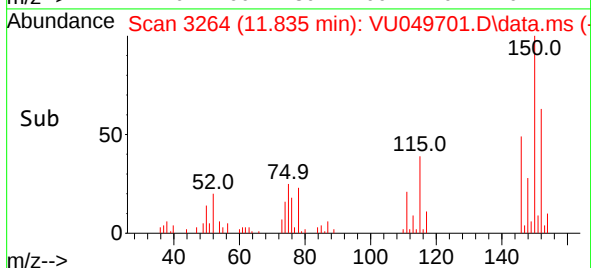
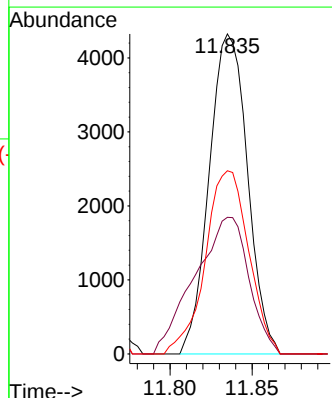
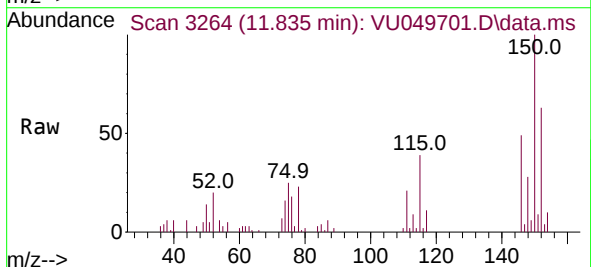
Tgt Ion:146 Resp: 7021

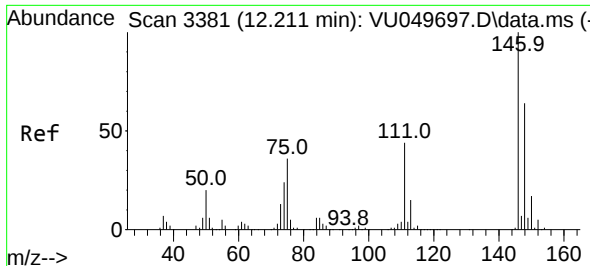
Ion Ratio Lower Upper

146 100

111 42.7 29.1 54.1

148 57.3 44.4 82.4





#67

1,2-Dichlorobenzene

Concen: 2.800 ug/L

RT: 12.211 min Scan# 3381

Delta R.T. 0.000 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04

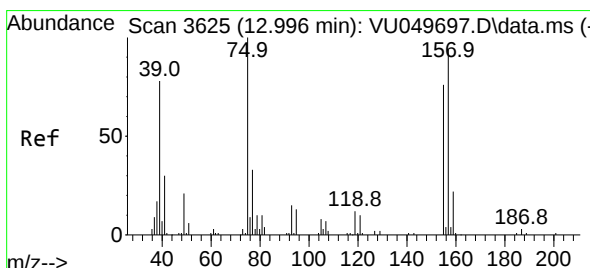
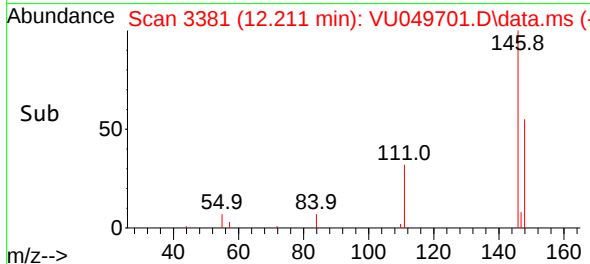
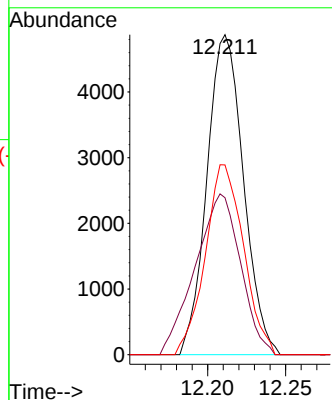
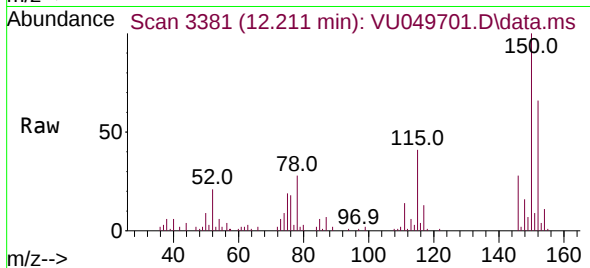
Tgt Ion:146 Resp: 7953

Ion Ratio Lower Upper

146 100

111 45.6 35.8 53.8

148 55.2 52.7 79.1



#68

1,2-Dibromo-3-chloropropane

Concen: 2.677 ug/L

RT: 13.002 min Scan# 3627

Delta R.T. 0.007 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

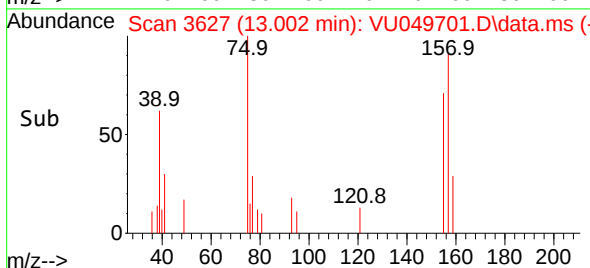
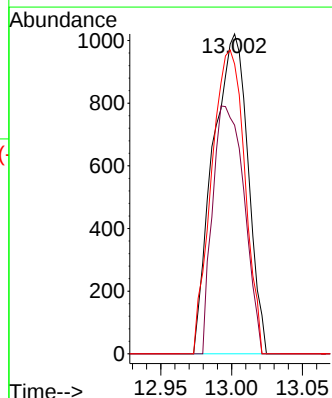
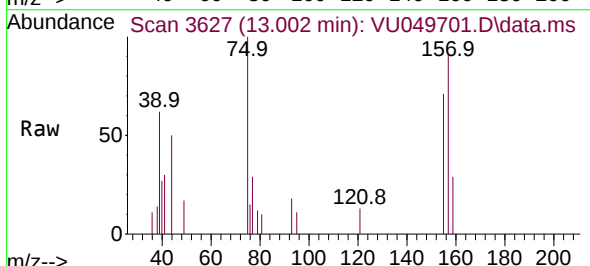
Tgt Ion: 75 Resp: 1751

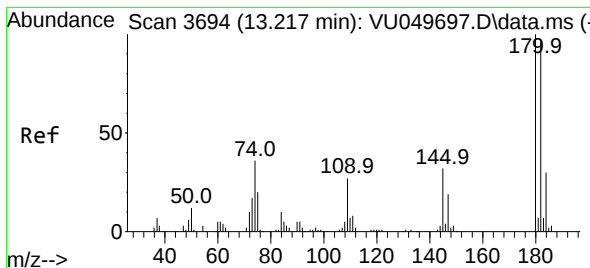
Ion Ratio Lower Upper

75 100

155 71.5 57.7 86.5

157 90.6 75.6 113.4





#69

1,3,5-Trichlorobenzene

Concen: 2.516 ug/L

RT: 13.217 min Scan# 3694

Delta R.T. 0.000 min

Lab File: VU049701.D

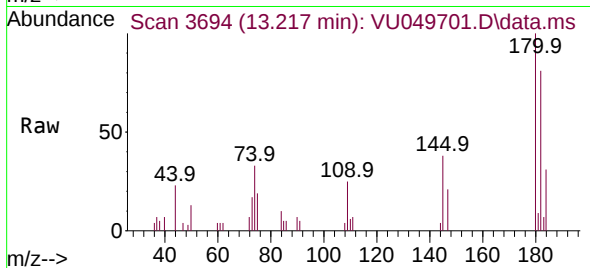
Acq: 13 Jul 2022 12:21

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2022-04



Tgt Ion:180 Resp: 4815

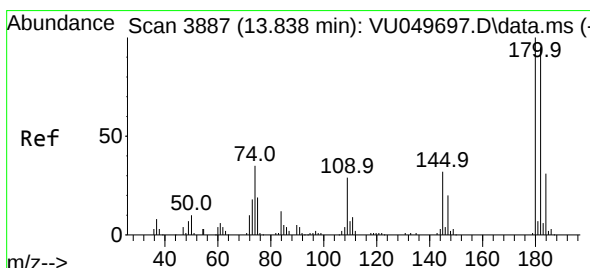
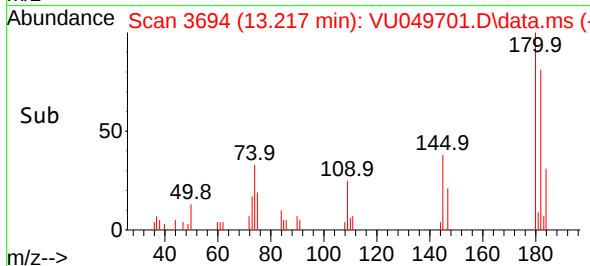
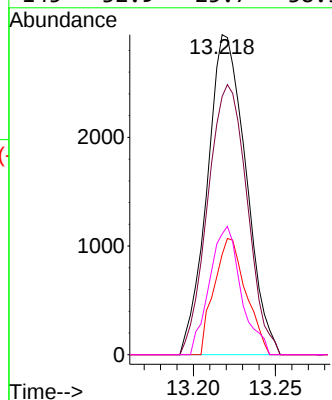
Ion Ratio Lower Upper

180 100

182 85.7 76.0 114.0

184 29.8 24.0 36.0

145 32.9 25.7 38.5



#70

1,2,4-trichlorobenzene

Concen: 2.200 ug/L

RT: 13.844 min Scan# 3889

Delta R.T. 0.007 min

Lab File: VU049701.D

Acq: 13 Jul 2022 12:21

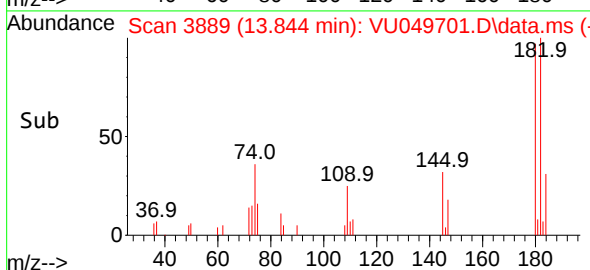
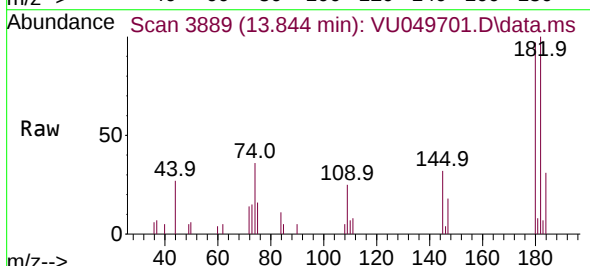
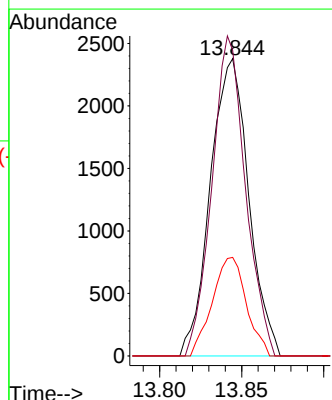
Tgt Ion:180 Resp: 3864

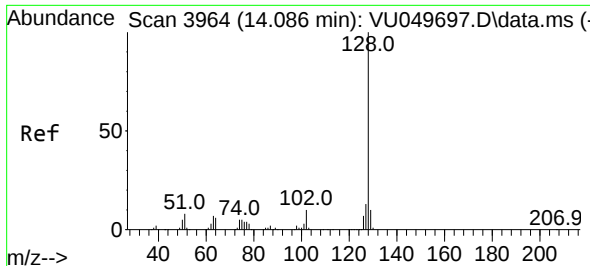
Ion Ratio Lower Upper

180 100

182 94.0 74.8 112.2

145 29.4 24.7 37.1

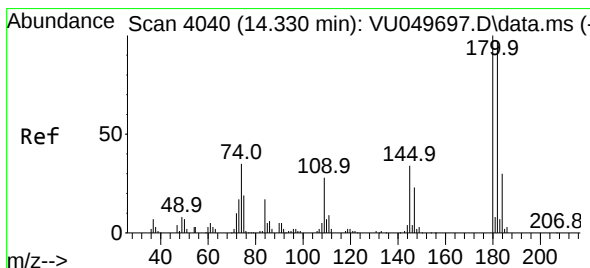
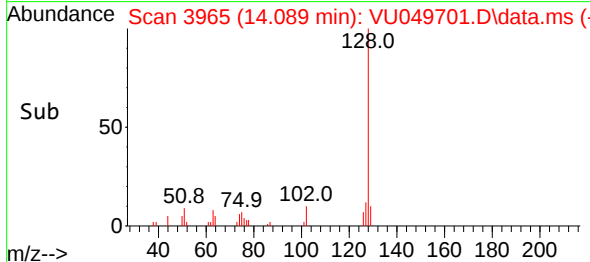
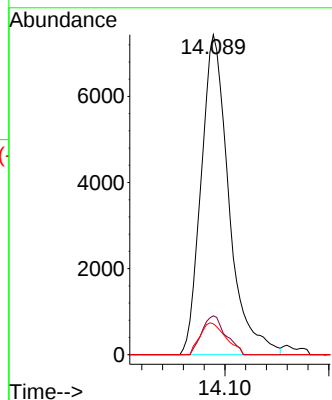
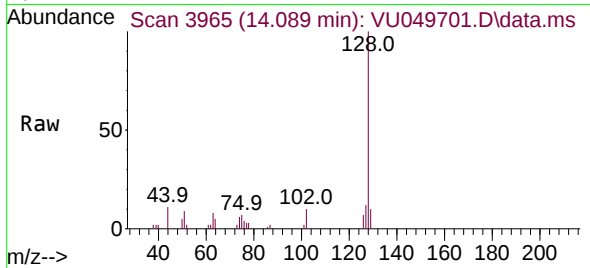




#71
Naphthalene
Concen: 2.191 ug/L
RT: 14.089 min Scan# 3964
Delta R.T. 0.003 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2022-04

Tgt Ion:128	Resp:	13756
Ion Ratio	Lower	Upper
128	100	
127	10.5	10.2 15.4
129	9.2	8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.461 ug/L
RT: 14.330 min Scan# 4040
Delta R.T. 0.000 min
Lab File: VU049701.D
Acq: 13 Jul 2022 12:21

Tgt Ion:180	Resp:	4477
Ion Ratio	Lower	Upper
180	100	
182	87.5	76.6 115.0
145	34.9	27.1 40.7

