

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU101121\
 Data File : VU045280.D
 Acq On : 11 Oct 2021 14:08
 Operator : SY/MD
 Sample : M3263-05
 Misc : 5.00g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

Quant Time: Oct 12 05:51:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM092321WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Oct 12 05:50:24 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.253	114	265492	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	258375	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	117165	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	124436	42.82	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	85.64%		
7) Chloroethane-d5	1.899	69	105189	45.67	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	91.34%		
11) 1,1-Dichloroethene-d2	2.565	63	163316	33.46	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	66.92%		
21) 2-Butanone-d5	4.626	46	215197	93.66	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	93.66%		
24) Chloroform-d	5.067	84	213076	46.42	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	92.84%		
26) 1,2-Dichloroethane-d4	5.706	65	150267	48.33	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.66%		
32) Benzene-d6	5.732	84	441573	49.25	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.50%		
36) 1,2-Dichloropropane-d6	6.693	67	145849	49.89	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.78%		
41) Toluene-d8	7.902	98	383045	49.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	99.02%		
43) trans-1,3-Dichloroprop...	8.182	79	65575	50.43	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	100.86%		
47) 2-Hexanone-d5	8.636	63	146794	90.61	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	90.61%		
56) 1,1,2,2-Tetrachloroeth...	10.761	84	220395	48.41	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.82%		
66) 1,2-Dichlorobenzene-d4	12.198	152	135260	53.05	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	106.10%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	6076	2.39	ug/L	98
3) Chloromethane	1.523	50	8285	2.61	ug/L	97
5) Vinyl chloride	1.604	62	8180	2.63	ug/L #	9
6) Bromomethane	1.835	94	4793	3.22	ug/L	96
8) Chloroethane	1.922	64	4824	2.48	ug/L	90
9) Trichlorofluoromethane	2.131	101	8489	2.39	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6773	3.02	ug/L #	83
12) 1,1-Dichloroethene	2.578	96	6236	3.03	ug/L #	1
13) Acetone	2.633	43	10165	3.83	ug/L	99
14) Carbon disulfide	2.793	76	15177	2.30	ug/L	100
15) Methyl Acetate	2.954	43	8390	2.56	ug/L	99
16) Methylene chloride	3.047	84	9061	3.48	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	5401	2.49	ug/L	94
18) Methyl tert-butyl Ether	3.372	73	19640	2.75	ug/L	97
19) 1,1-Dichloroethane	3.874	63	11276	2.50	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	6375	2.67	ug/L	98
22) 2-Butanone	4.713	43	12127	4.08	ug/L	99
23) Bromochloromethane	4.976	128	3186	2.63	ug/L	90
25) Chloroform	5.092	83	14457	3.23	ug/L	97

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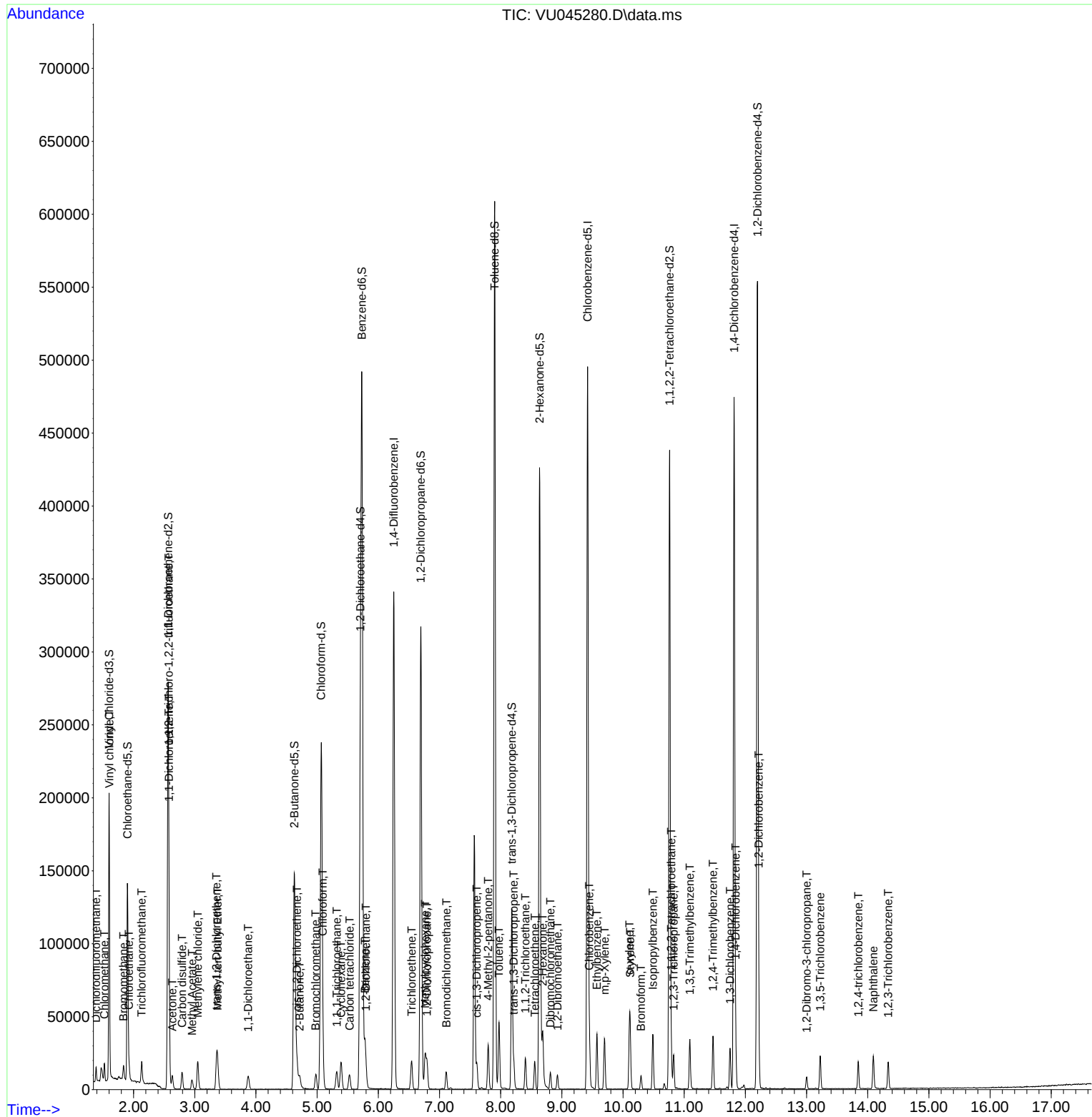
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	9788	2.61	ug/L	100
29) Cyclohexane	5.391	56	9457	2.44	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	8845	2.47	ug/L	99
31) Carbon tetrachloride	5.533	117	6620	2.34	ug/L	97
33) Benzene	5.780	78	25229	2.63	ug/L	100
34) Trichloroethene	6.546	95	5854	2.54	ug/L	97
35) Methylcyclohexane	6.767	83	9111	2.36	ug/L	98
37) 1,2-Dichloropropane	6.796	63	6717	2.57	ug/L	98
38) Bromodichloromethane	7.111	83	7963	2.49	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	9731	2.61	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	20119	4.62	ug/L	100
42) Toluene	7.973	91	31492	3.23	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	9732	2.74	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	6531	2.76	ug/L	93
46) Tetrachloroethene	8.558	164	4112	2.50	ug/L	97
48) 2-Hexanone	8.687	43	21154	5.47	ug/L	97
49) Dibromochloromethane	8.812	129	5723	2.45	ug/L	98
50) 1,2-Dibromoethane	8.928	107	6584	2.66	ug/L	96
51) Chlorobenzene	9.449	112	15682	2.61	ug/L	99
52) Ethylbenzene	9.574	91	25811	2.51	ug/L	90
53) m,p-Xylene	9.700	106	9944	2.55	ug/L	93
54) o-xylene	10.105	106	9428	2.46	ug/L	100
55) Styrene	10.118	104	14698	2.23	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.787	83	12250	2.71	ug/L	99
59) Bromoform	10.295	173	3979	2.74	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	9498	2.93	ug/L	98
61) Isopropylbenzene	10.488	105	23320	2.72	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	18339	2.56	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	18941	2.58	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	11131	2.81	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	11430	2.81	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	11738	2.89	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	2301	2.47	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	6895	2.51	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	5559	2.43	ug/L	97
71) Naphthalene	14.092	128	19038	2.40	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	5806	2.48	ug/L	95

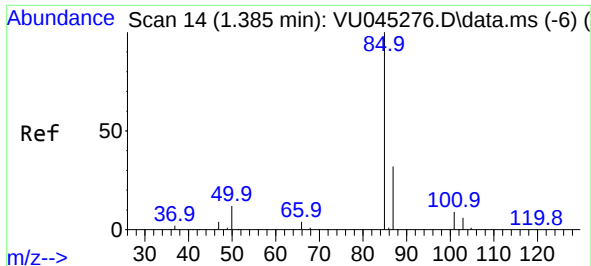
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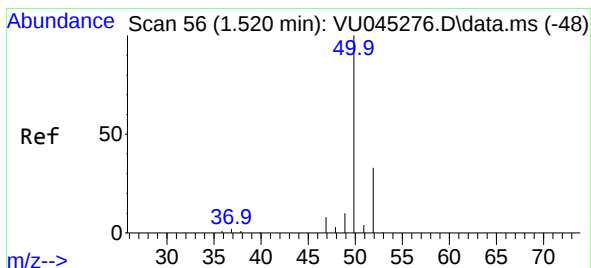
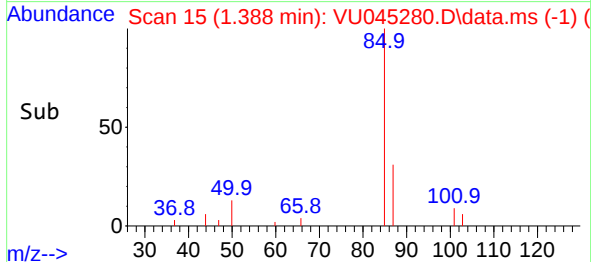
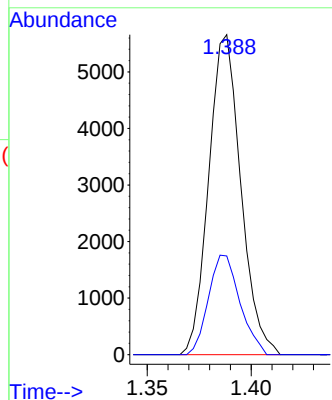
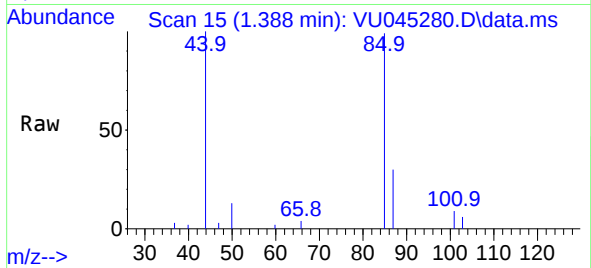




#2
Dichlorodifluoromethane
Concen: 2.39 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

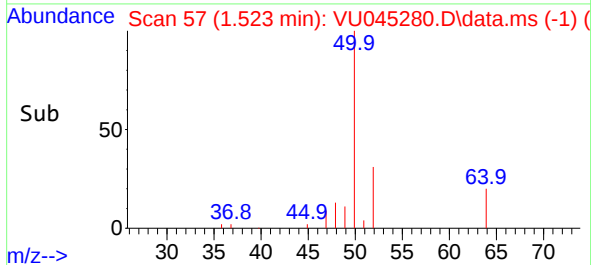
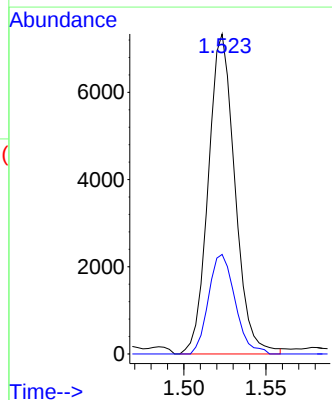
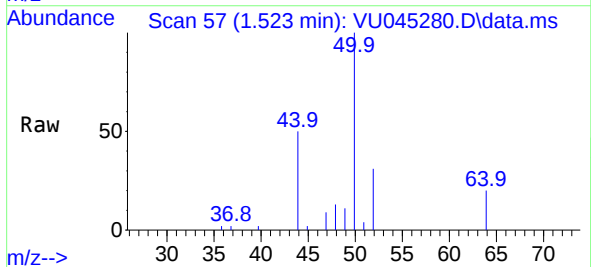
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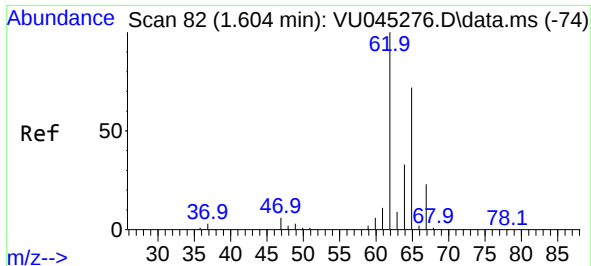
Tgt Ion: 85 Resp: 6076
Ion Ratio Lower Upper
85 100
87 30.5 25.2 37.8



#3
Chloromethane
Concen: 2.61 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

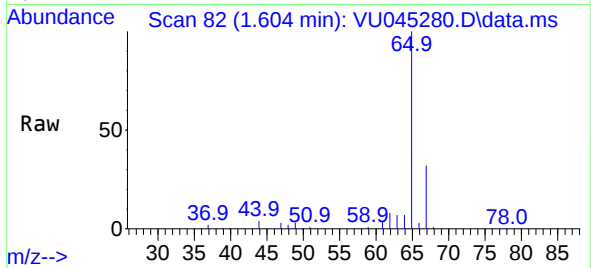
Tgt Ion: 50 Resp: 8285
Ion Ratio Lower Upper
50 100
52 31.1 23.0 42.8



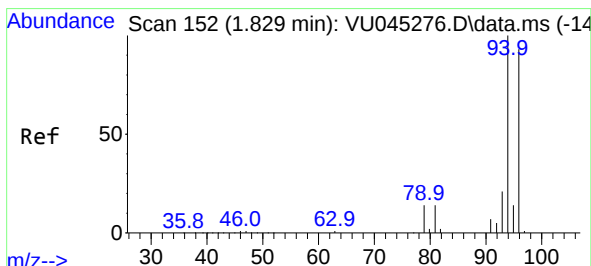
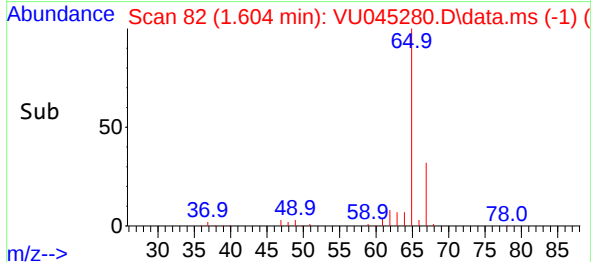
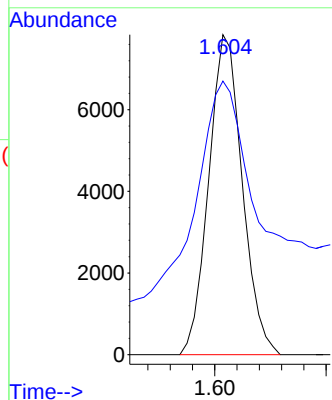


#5
 Vinyl chloride
 Concen: 2.63 ug/L
 RT: 1.604 min Scan# 82
 Delta R.T. -0.000 min
 Lab File: VU045280.D
 Acq: 11 Oct 2021 14:08

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 ClientSampleId :
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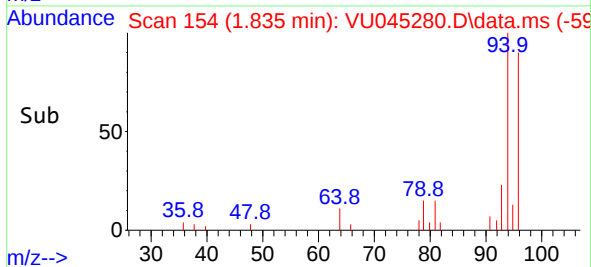
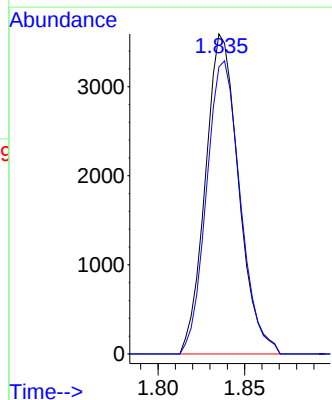
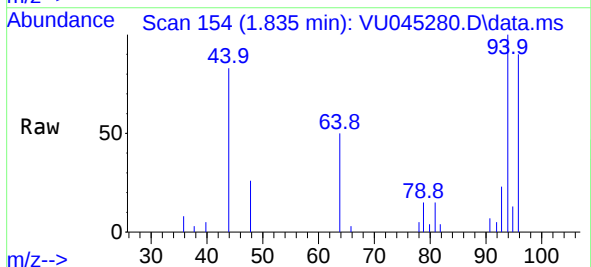


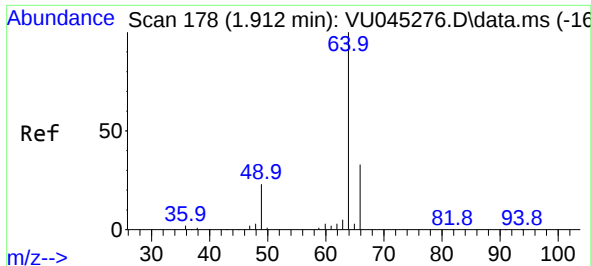
Tgt Ion: 62 Resp: 8180
 Ion Ratio Lower Upper
 62 100
 64 85.5 23.4 43.6#



#6
 Bromomethane
 Concen: 3.22 ug/L
 RT: 1.835 min Scan# 154
 Delta R.T. 0.006 min
 Lab File: VU045280.D
 Acq: 11 Oct 2021 14:08

Tgt Ion: 94 Resp: 4793
 Ion Ratio Lower Upper
 94 100
 96 89.7 65.7 121.9

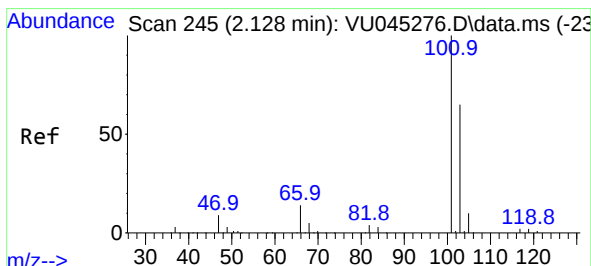
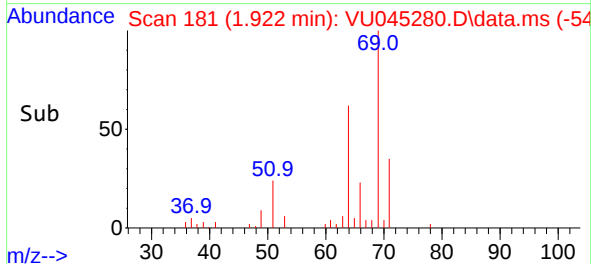
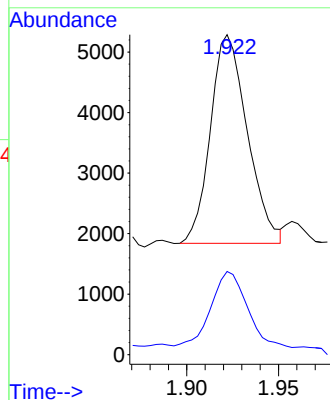
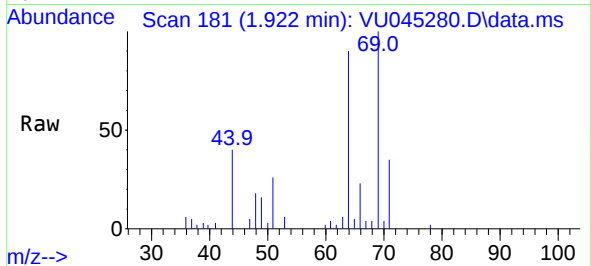




#8
Chloroethane
Concen: 2.48 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.009 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

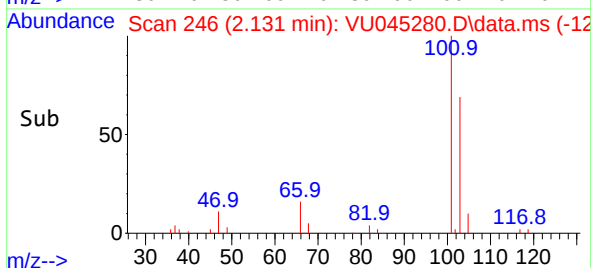
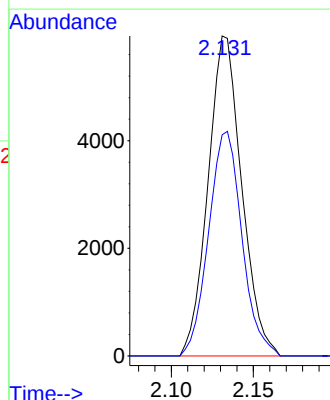
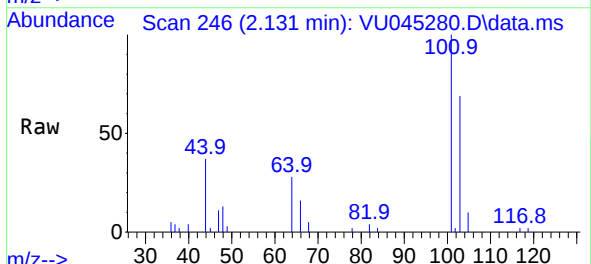
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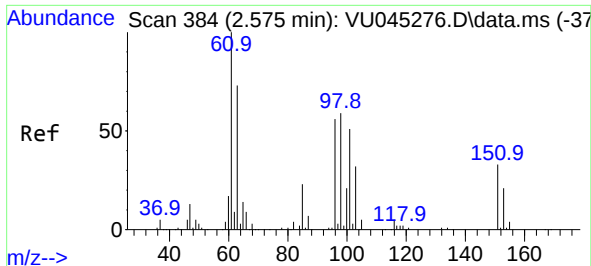
Tgt Ion: 64 Resp: 4824
Ion Ratio Lower Upper
64 100
66 26.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.39 ug/L
RT: 2.131 min Scan# 246
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:101 Resp: 8489
Ion Ratio Lower Upper
101 100
103 69.3 50.9 76.3

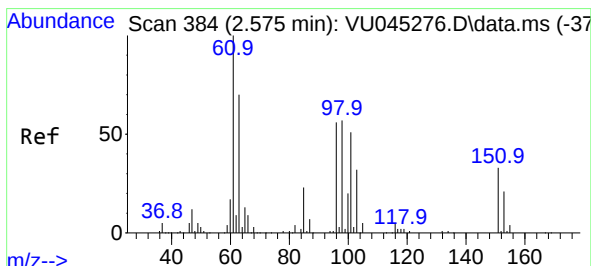
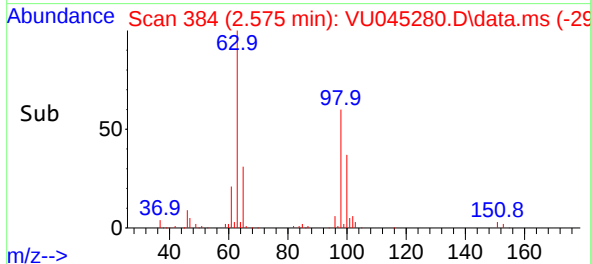
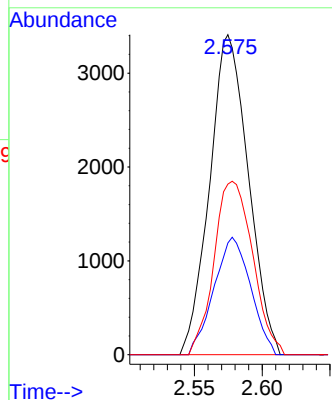
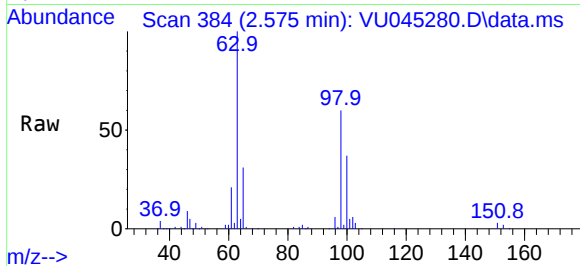




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.02 ug/L
RT: 2.575 min Scan# 384
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

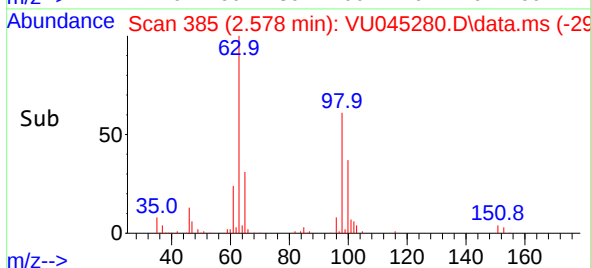
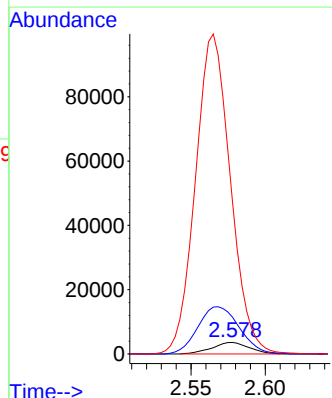
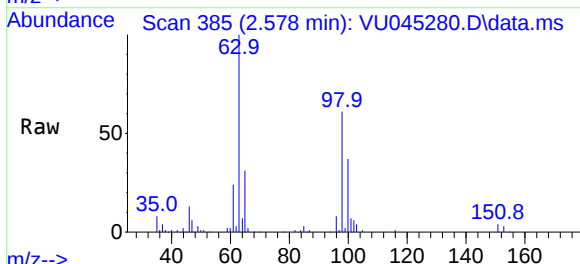
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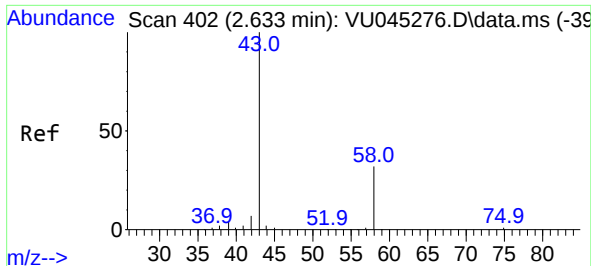
Tgt Ion:101 Resp: 6773
Ion Ratio Lower Upper
101 100
85 34.8 36.4 54.6#
151 54.0 54.4 81.6#



#12
1,1-Dichloroethene
Concen: 3.03 ug/L
RT: 2.578 min Scan# 385
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 96 Resp: 6236
Ion Ratio Lower Upper
96 100
61 318.4 131.3 243.9#
63 1316.8 102.5 190.3#

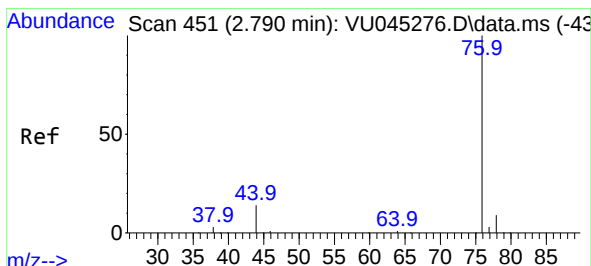
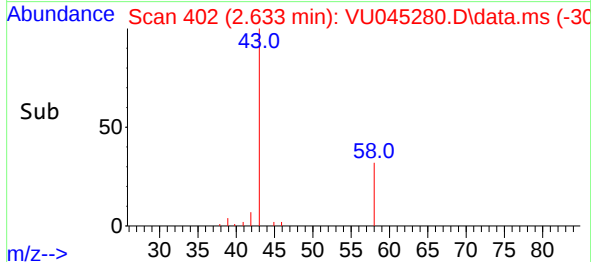
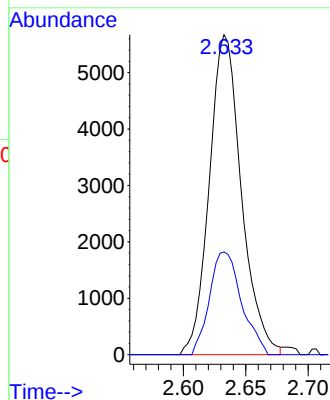
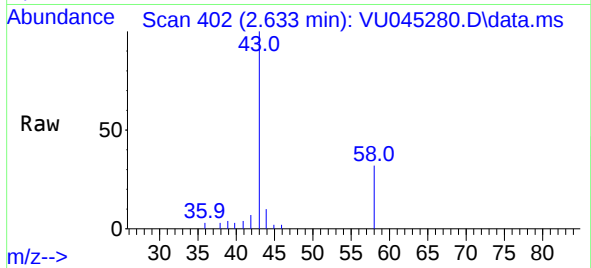




#13
Acetone
Concen: 3.83 ug/L
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU045280.D
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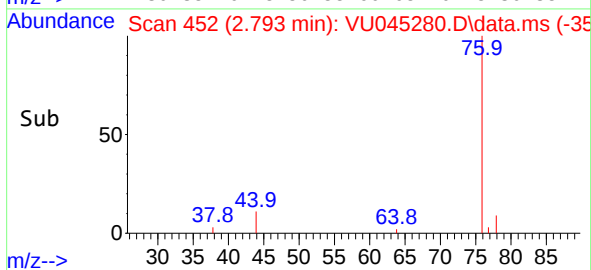
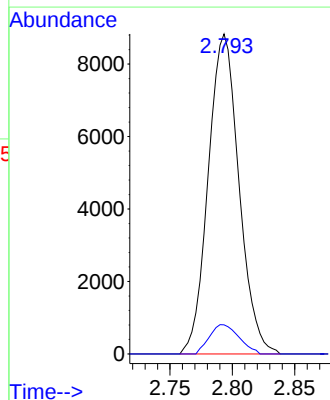
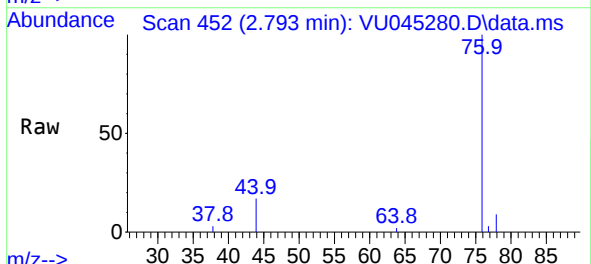
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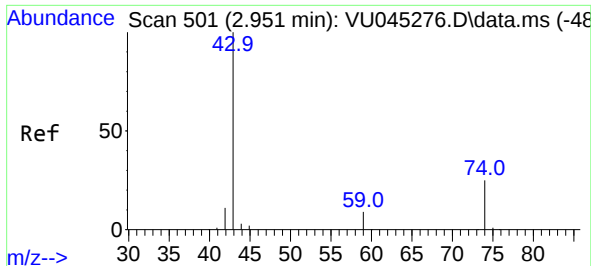
Tgt Ion: 43 Resp: 10165
Ion Ratio Lower Upper
43 100
58 32.0 0.0 62.8



#14
Carbon disulfide
Concen: 2.30 ug/L
RT: 2.793 min Scan# 452
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 76 Resp: 15177
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9

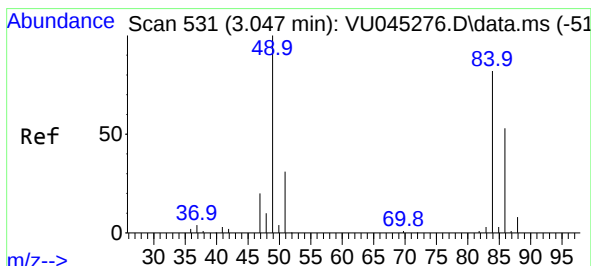
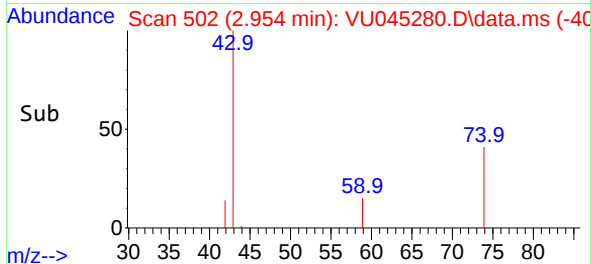
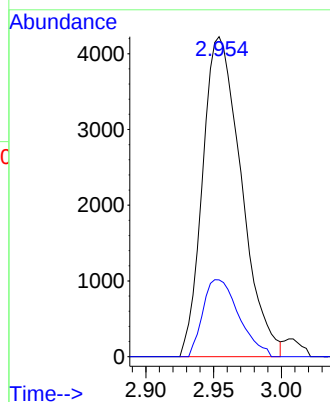
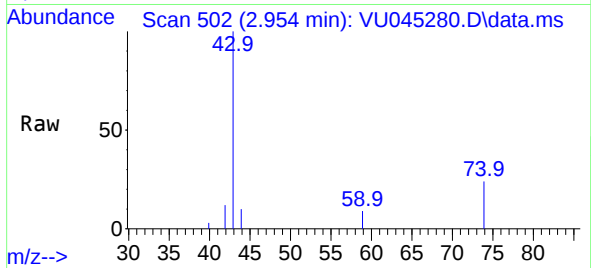




#15
Methyl Acetate
Concen: 2.56 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

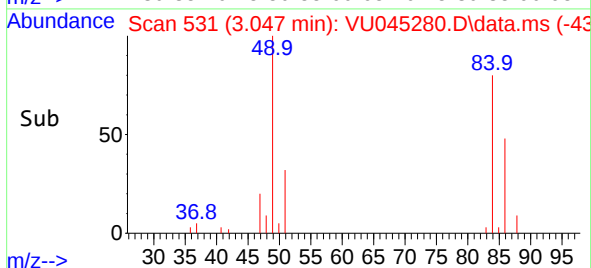
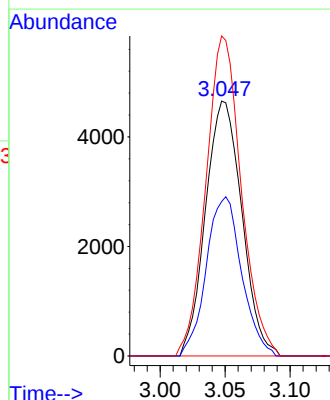
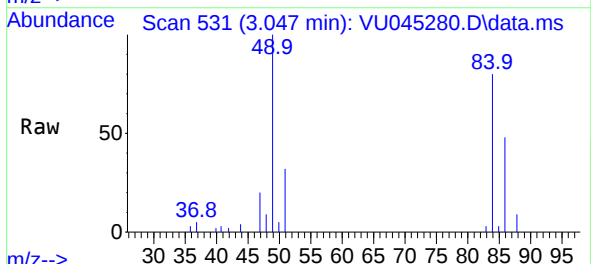
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

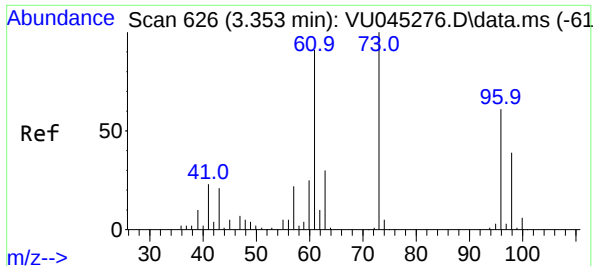
Tgt Ion: 43 Resp: 8390
Ion Ratio Lower Upper
43 100
74 22.4 18.4 27.6



#16
Methylene chloride
Concen: 3.48 ug/L
RT: 3.047 min Scan# 531
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 84 Resp: 9061
Ion Ratio Lower Upper
84 100
86 60.6 44.7 83.1
49 125.6 92.9 172.5



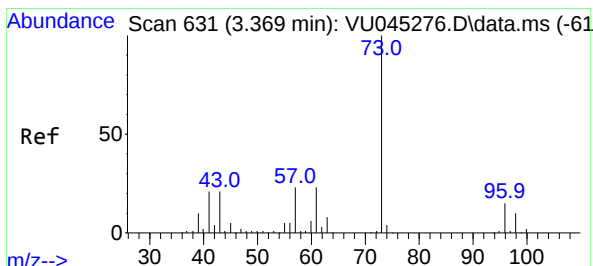
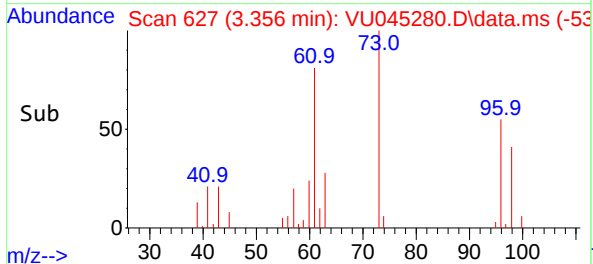
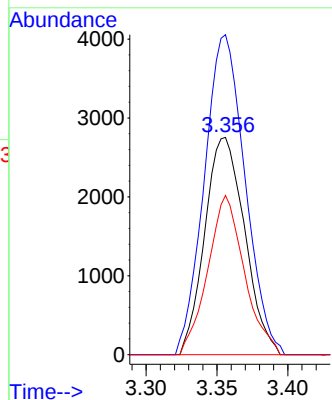
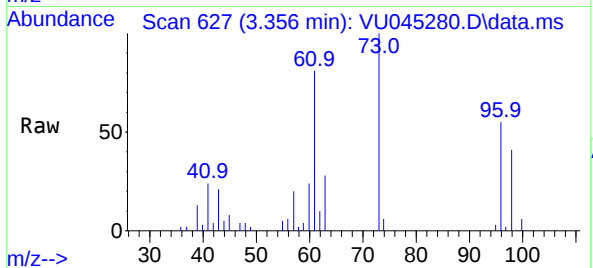


#17

trans-1,2-Dichloroethene
Concen: 2.49 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

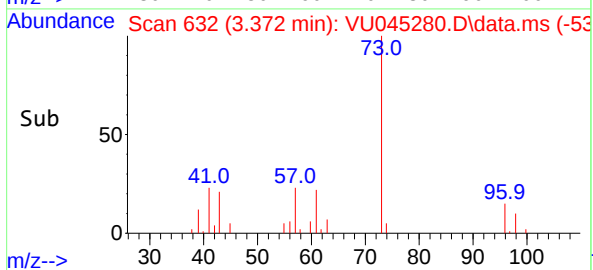
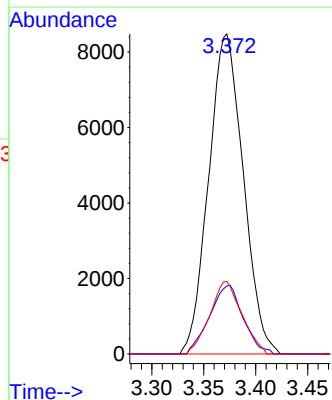
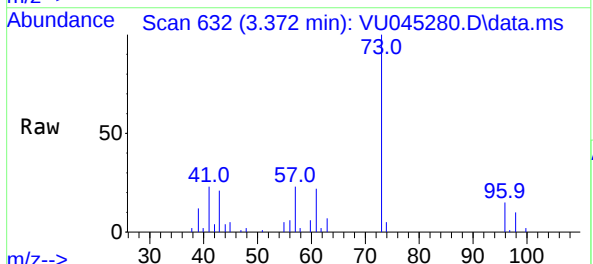
Tgt Ion: 96 Resp: 5401
Ion Ratio Lower Upper
96 100
61 147.2 105.1 195.3
98 73.2 43.0 79.8

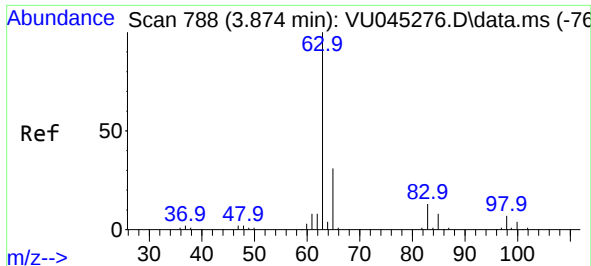


#18

Methyl tert-butyl Ether
Concen: 2.75 ug/L
RT: 3.372 min Scan# 632
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 73 Resp: 19640
Ion Ratio Lower Upper
73 100
43 20.8 17.3 25.9
57 21.1 18.7 28.1



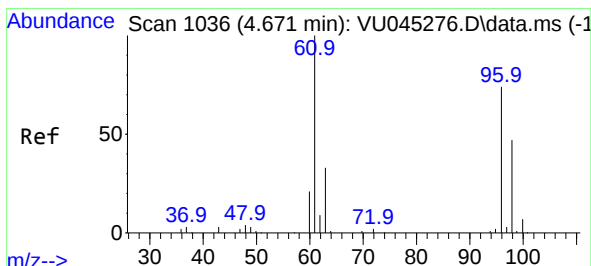
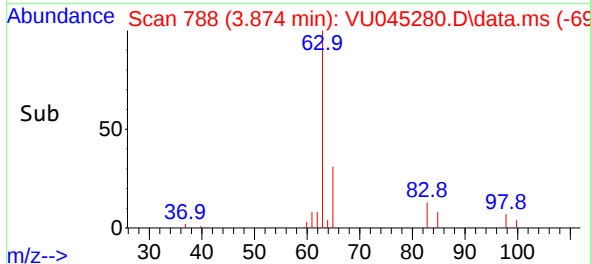
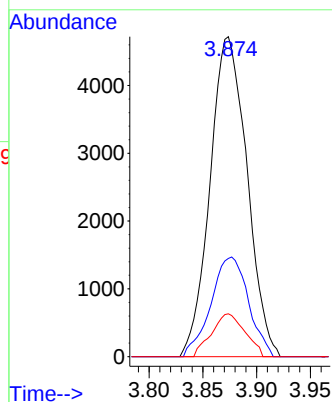
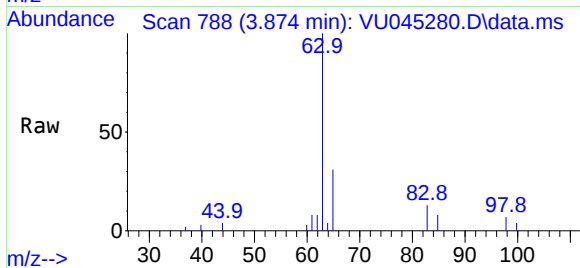


#19
1,1-Dichloroethane
Concen: 2.50 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

Tgt Ion: 63 Resp: 11276

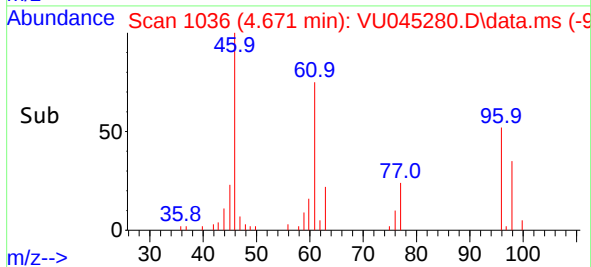
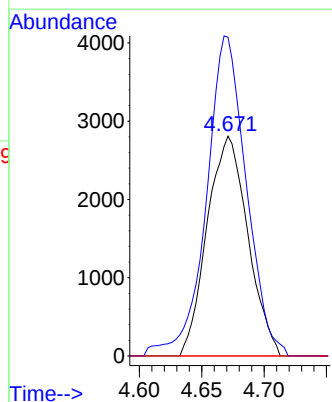
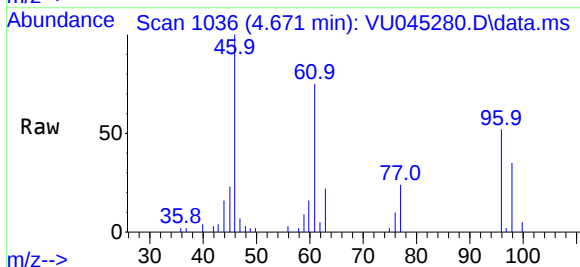
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.0	40.8
83	13.4	9.0	16.6

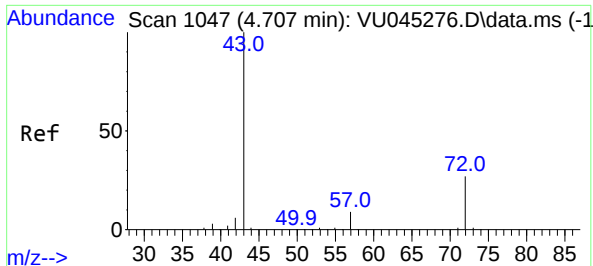


#20
cis-1,2-Dichloroethene
Concen: 2.67 ug/L
RT: 4.671 min Scan# 1036
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 96 Resp: 6375

Ion	Ratio	Lower	Upper
96	100		
61	145.0	100.2	186.0
68	0.0	0.0	0.0

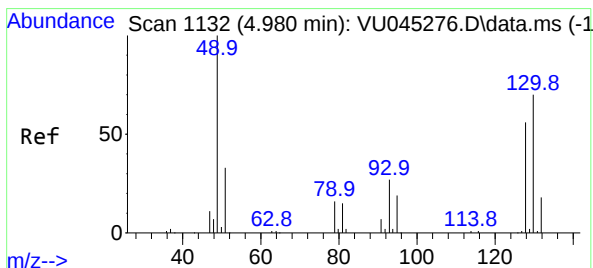
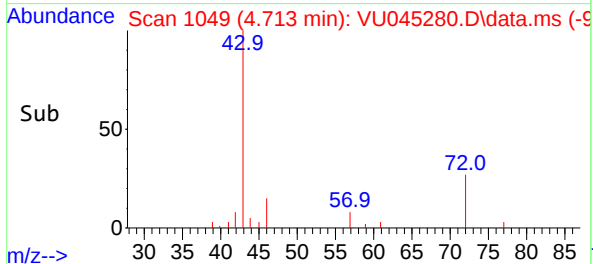
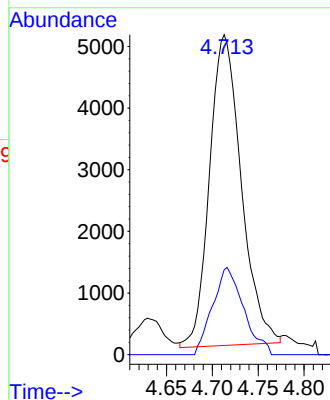
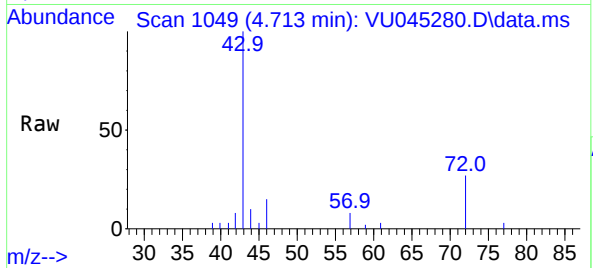




#22
2-Butanone
Concen: 4.08 ug/L
RT: 4.713 min Scan# 1049
Delta R.T. 0.006 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

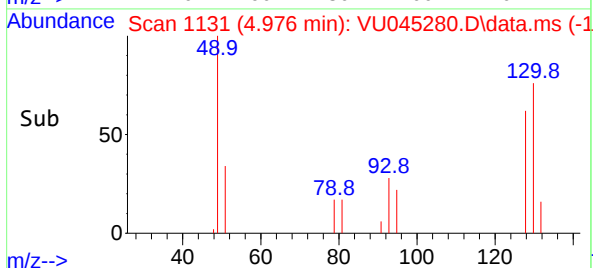
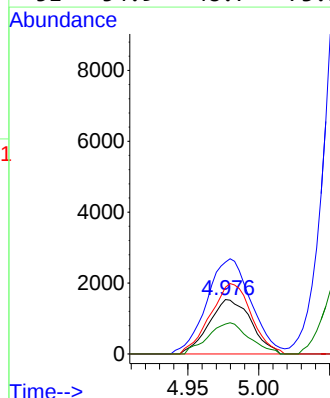
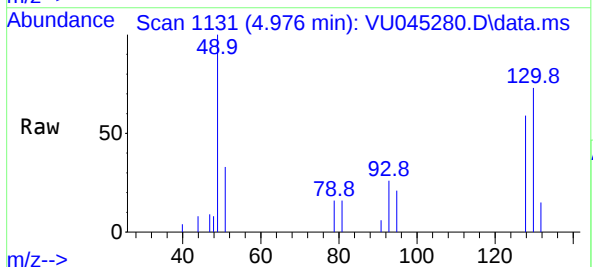
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

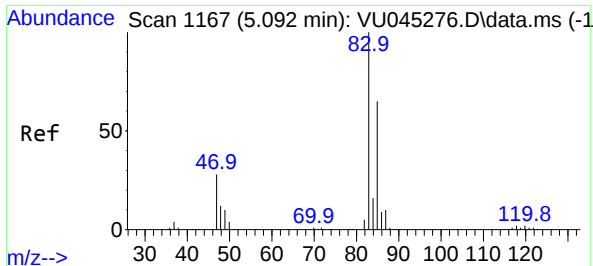
Tgt Ion: 43 Resp: 12127
Ion Ratio Lower Upper
43 100
72 27.4 13.3 39.9



#23
Bromochloromethane
Concen: 2.63 ug/L
RT: 4.976 min Scan# 1131
Delta R.T. -0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 128 Resp: 3186
Ion Ratio Lower Upper
128 100
49 168.6 132.9 246.7
130 122.5 88.2 163.8
51 54.9 48.7 73.1



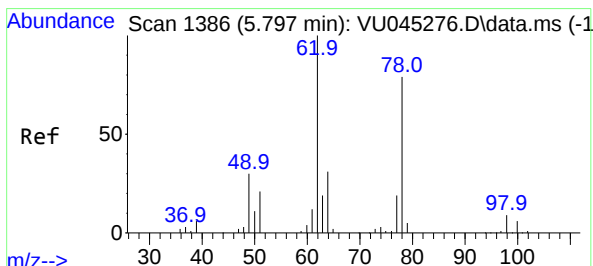
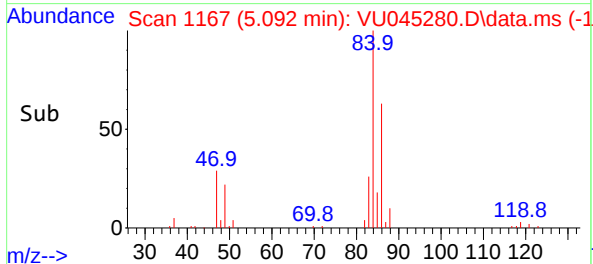
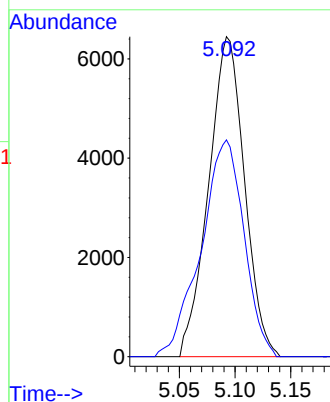
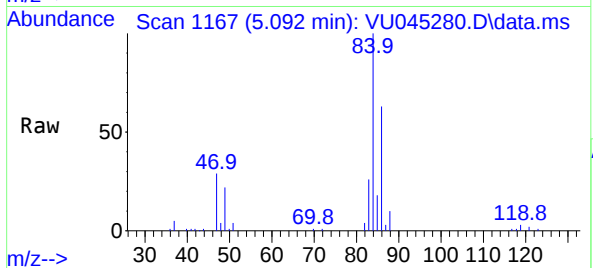


#25

Chloroform
Concen: 3.23 ug/L
RT: 5.092 min Scan# 1167
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

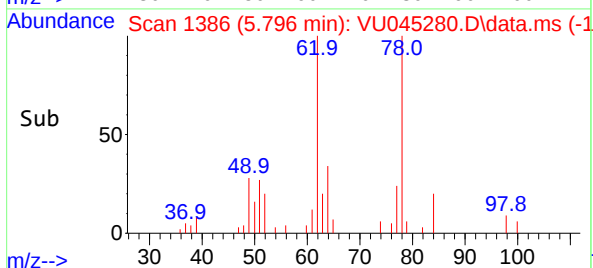
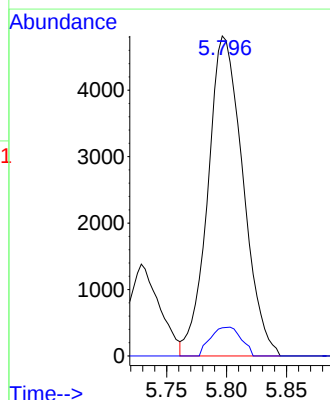
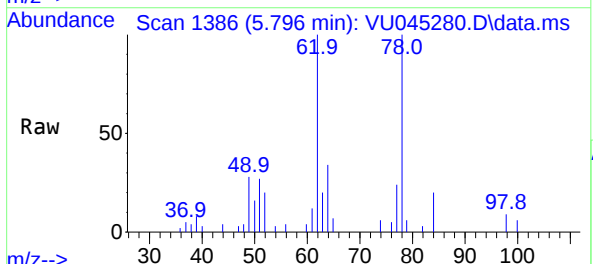
Tgt Ion: 83 Resp: 14457
Ion Ratio Lower Upper
83 100
85 67.8 45.6 84.6

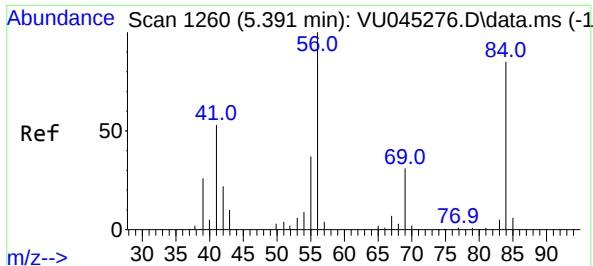


#27

1,2-Dichloroethane
Concen: 2.61 ug/L
RT: 5.796 min Scan# 1386
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 62 Resp: 9788
Ion Ratio Lower Upper
62 100
98 8.8 7.1 10.7

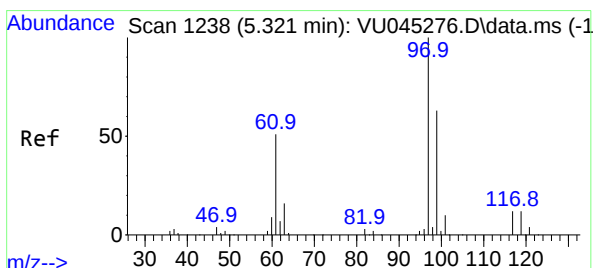
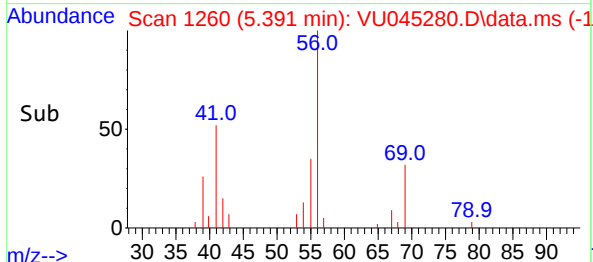
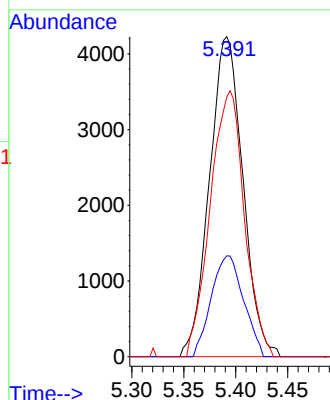
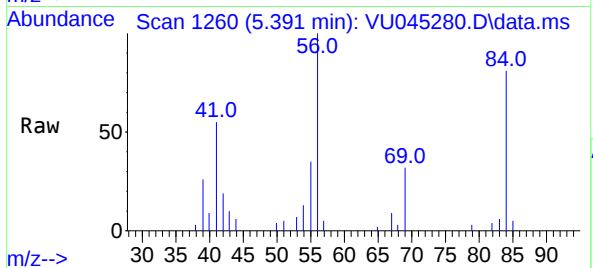




#29
Cyclohexane
Concen: 2.44 ug/L
RT: 5.391 min Scan# 1260
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

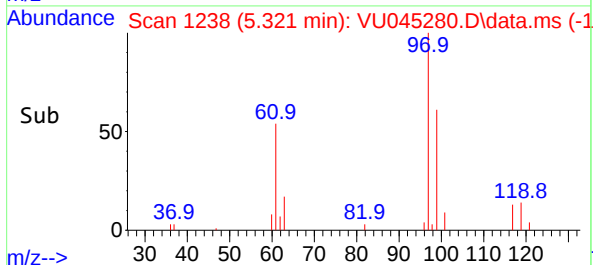
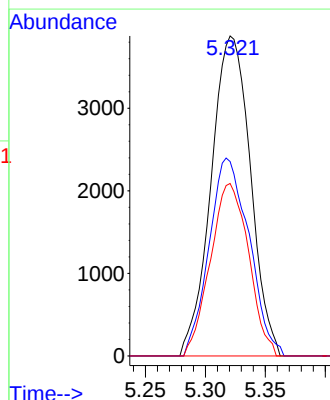
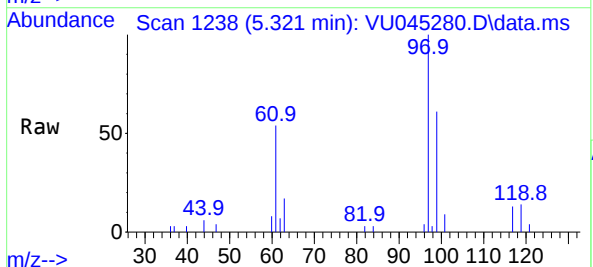
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

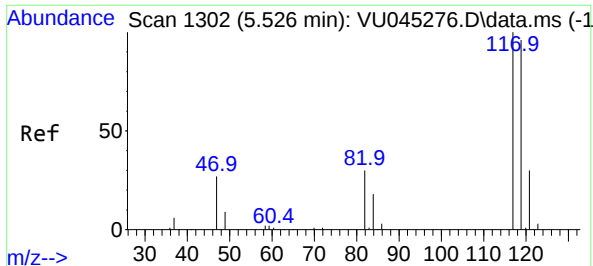
Tgt Ion:	56	Resp:	9457
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.8	35.8
84	84.8	66.8	100.2



#30
1,1,1-Trichloroethane
Concen: 2.47 ug/L
RT: 5.321 min Scan# 1238
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:	97	Resp:	8845
Ion	Ratio	Lower	Upper
97	100		
99	62.9	50.6	75.8
61	52.4	41.3	61.9

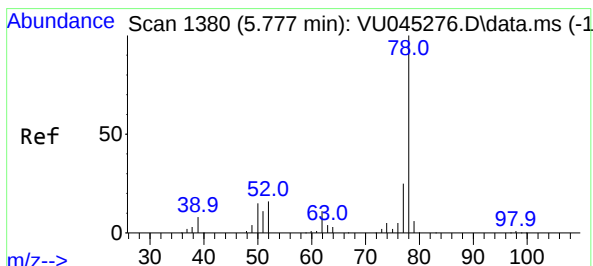
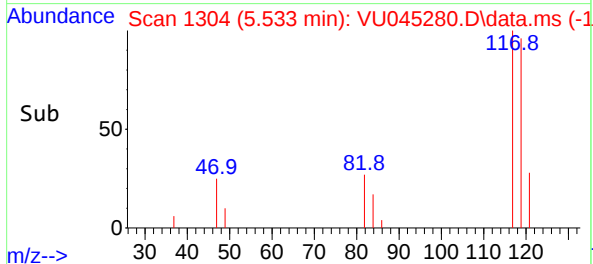
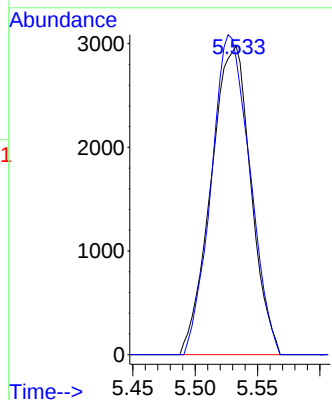
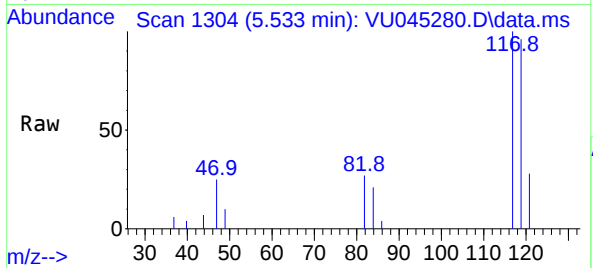




#31
Carbon tetrachloride
Concen: 2.34 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

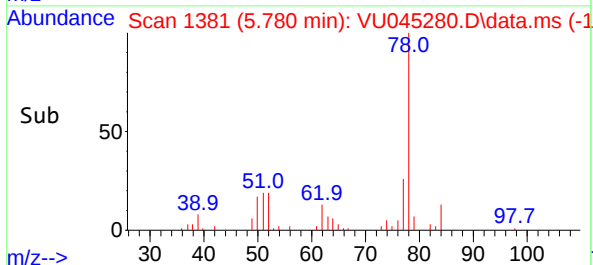
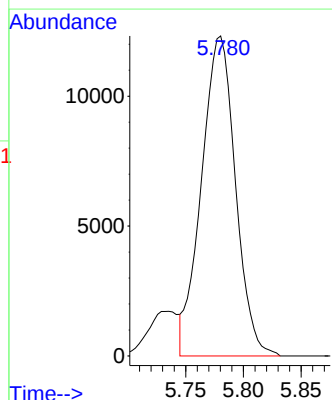
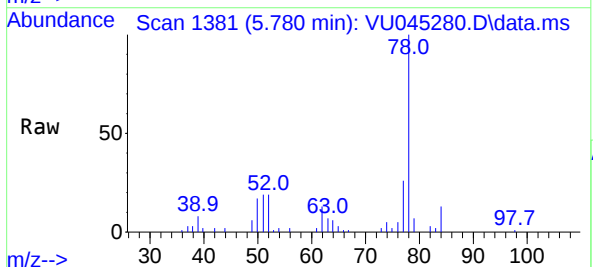
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

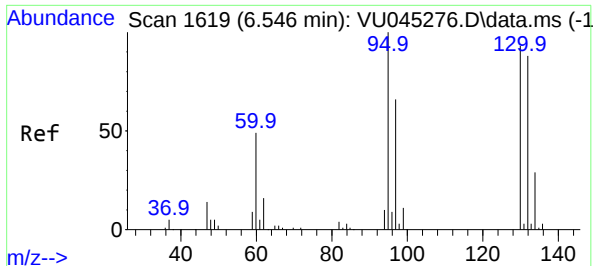
Tgt Ion:117 Resp: 6620
Ion Ratio Lower Upper
117 100
119 100.4 77.7 116.5



#33
Benzene
Concen: 2.63 ug/L
RT: 5.780 min Scan# 1381
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 78 Resp: 25229



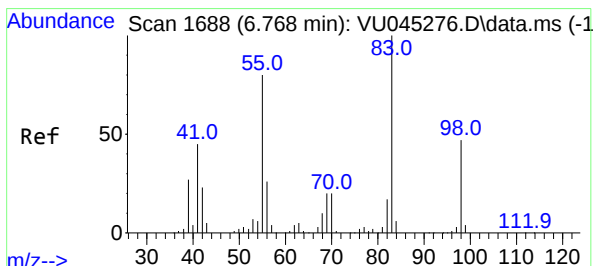
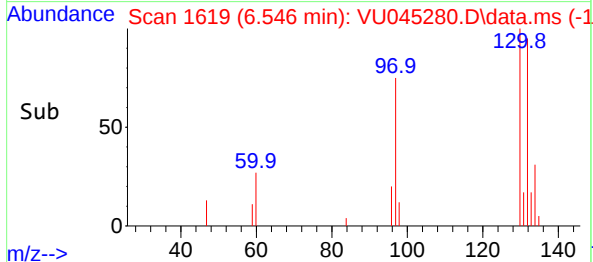
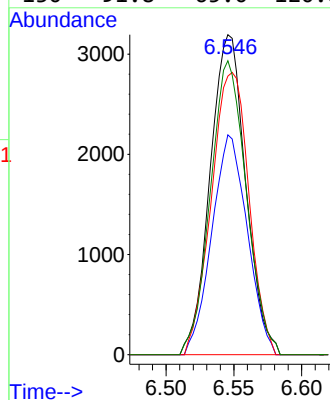
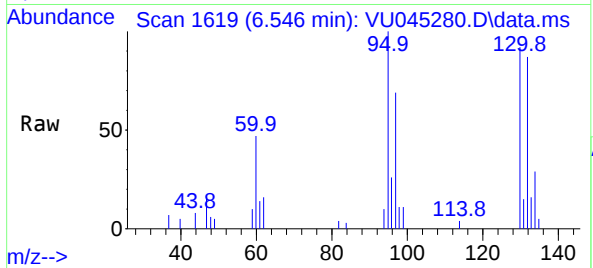


#34
Trichloroethene
Concen: 2.54 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

Tgt Ion: 95 Resp: 5854

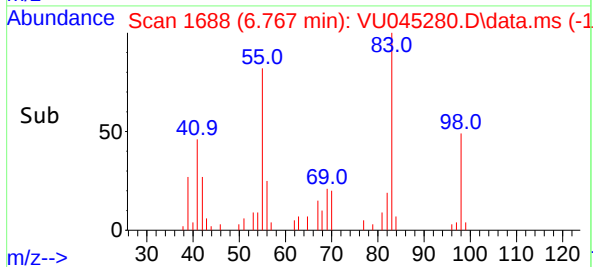
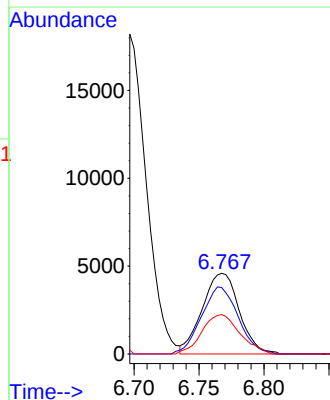
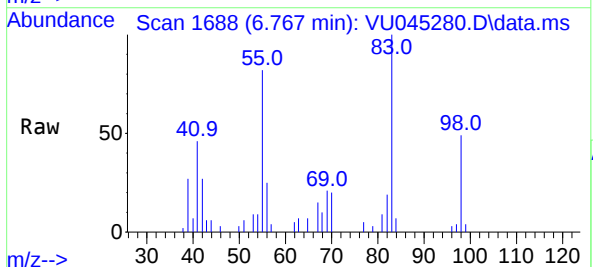
Ion	Ratio	Lower	Upper
95	100		
97	68.7	44.4	82.4
132	87.1	62.9	116.9
130	91.8	65.0	120.8

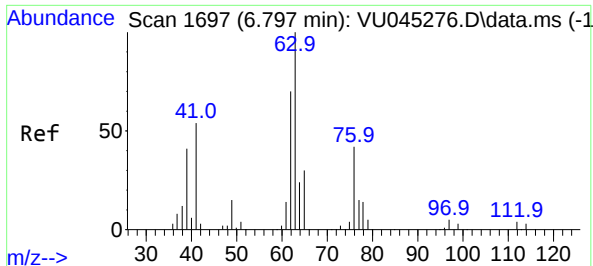


#35
Methylcyclohexane
Concen: 2.36 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 83 Resp: 9111

Ion	Ratio	Lower	Upper
83	100		
55	81.9	65.8	98.6
98	49.8	37.1	55.7

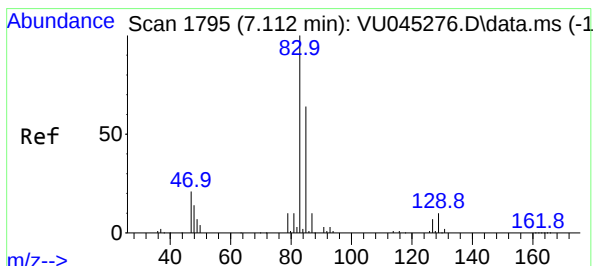
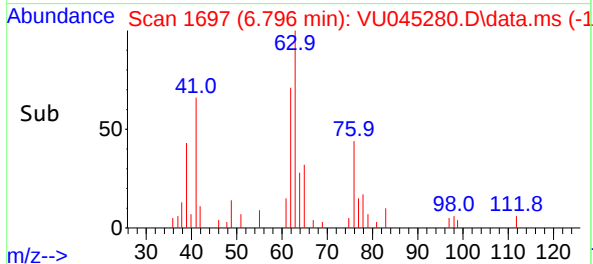
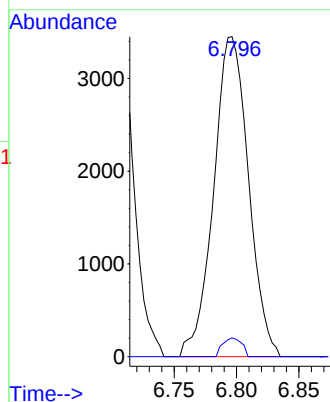
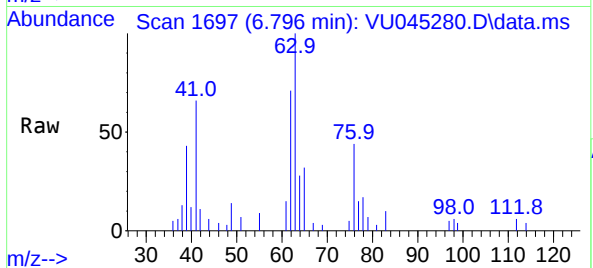




#37
1,2-Dichloropropane
Concen: 2.57 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

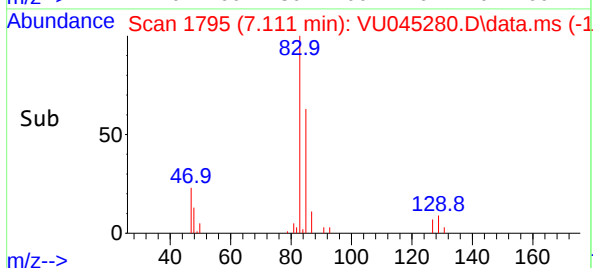
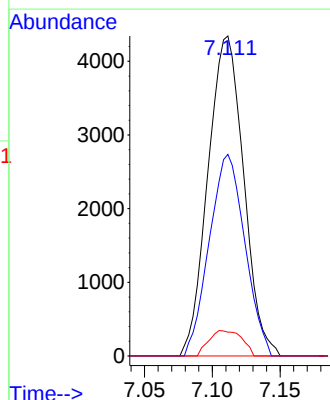
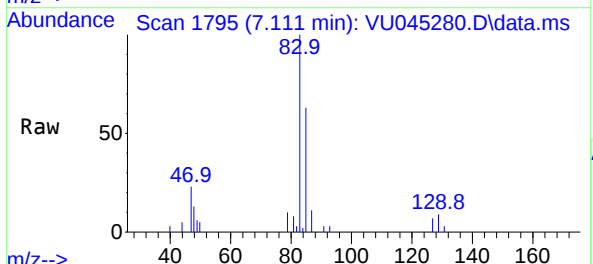
Instrument :
MSVOA_U
ClientSampleId :
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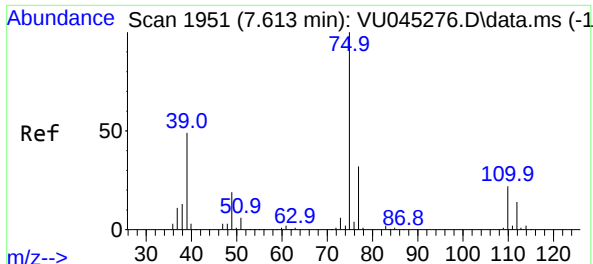
Tgt Ion: 63 Resp: 6717
Ion Ratio Lower Upper
63 100
112 3.2 3.2 4.8



#38
Bromodichloromethane
Concen: 2.49 ug/L
RT: 7.111 min Scan# 1795
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 83 Resp: 7963
Ion Ratio Lower Upper
83 100
85 63.0 44.6 82.8
127 7.5 6.2 9.2

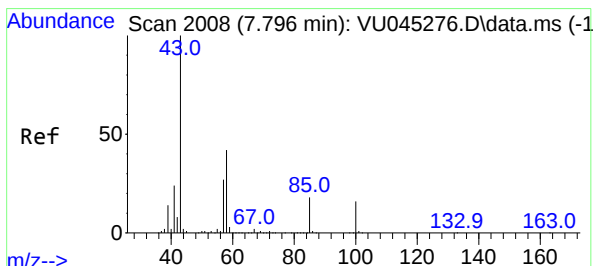
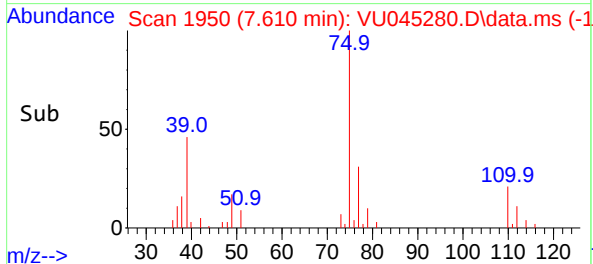
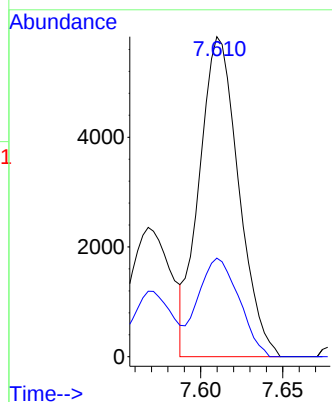
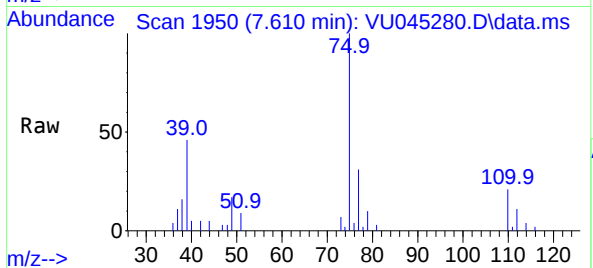




#39
cis-1,3-Dichloropropene
Concen: 2.61 ug/L
RT: 7.610 min Scan# 1950
Delta R.T. -0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

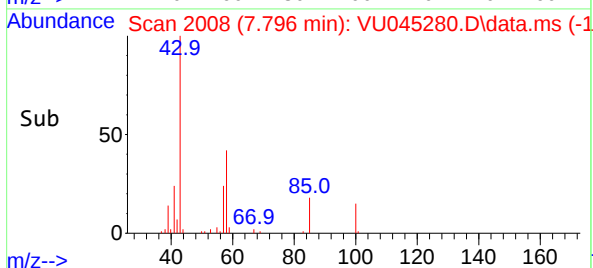
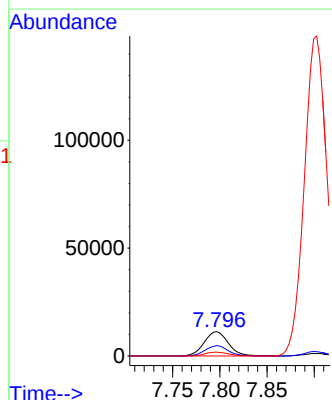
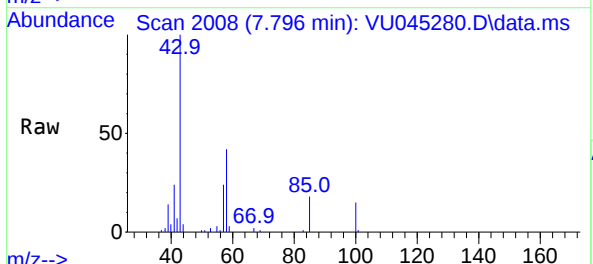
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

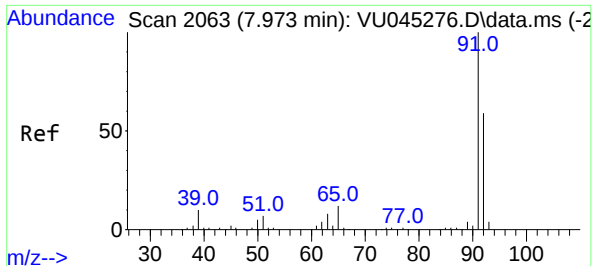
Tgt Ion: 75 Resp: 9731
Ion Ratio Lower Upper
75 100
77 30.8 22.4 41.6



#40
4-Methyl-2-pentanone
Concen: 4.62 ug/L
RT: 7.796 min Scan# 2008
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 43 Resp: 20119
Ion Ratio Lower Upper
43 100
58 40.0 31.8 47.8
100 15.1 11.8 17.6

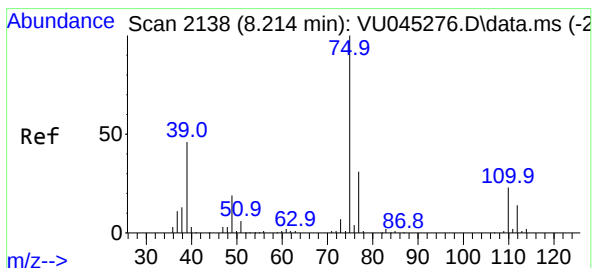
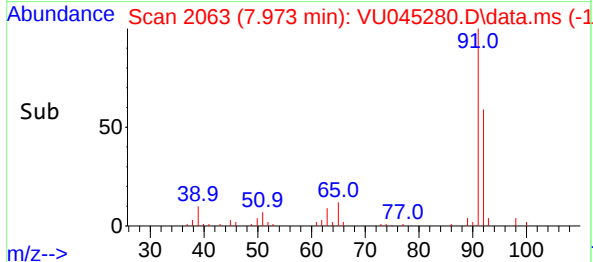
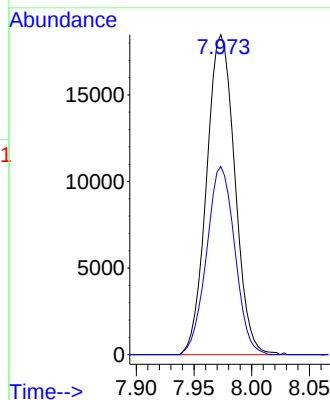
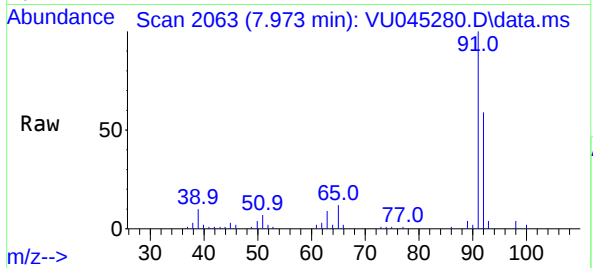




#42
Toluene
Concen: 3.23 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

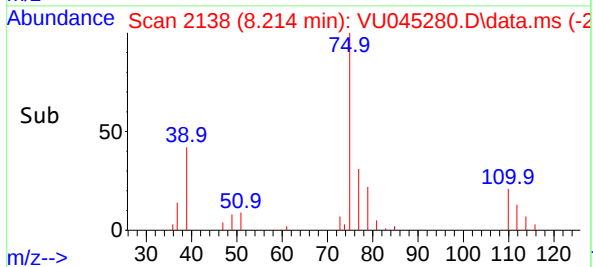
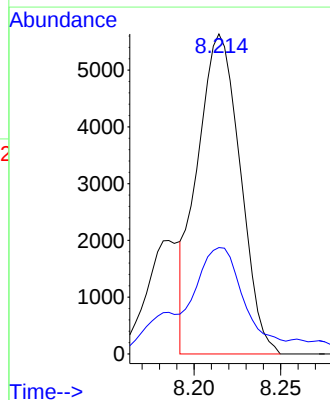
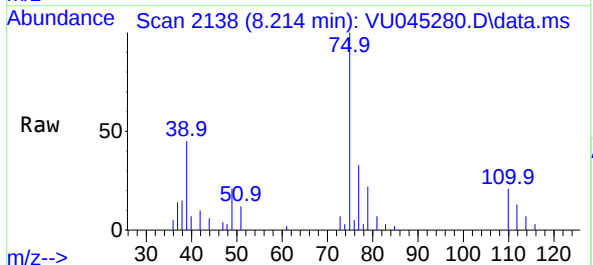
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

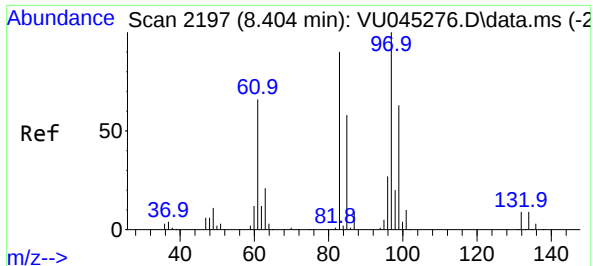
Tgt Ion: 91 Resp: 31492
Ion Ratio Lower Upper
91 100
92 58.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 2.74 ug/L
RT: 8.214 min Scan# 2138
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 75 Resp: 9732
Ion Ratio Lower Upper
75 100
77 33.3 21.7 40.3





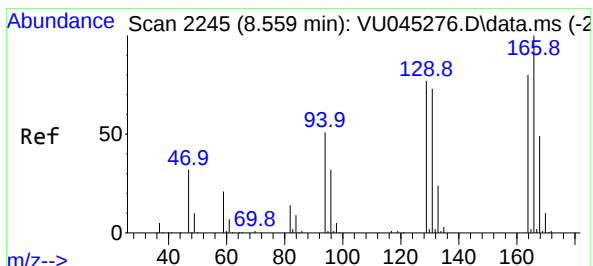
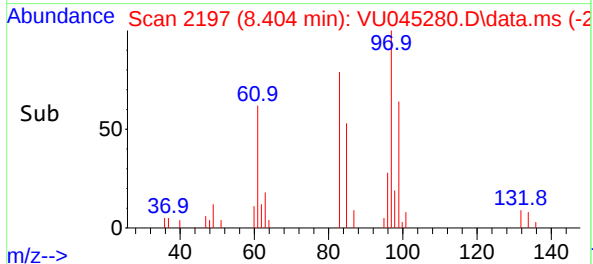
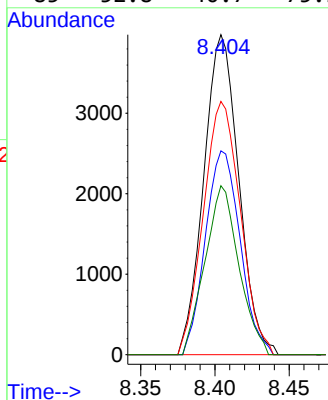
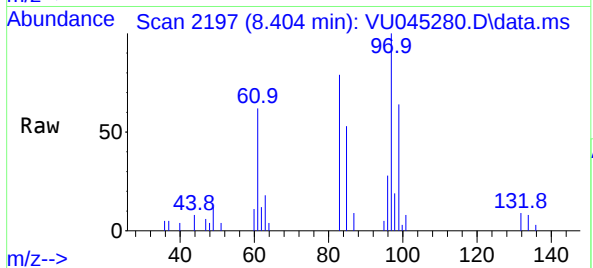
#45

1,1,2-Trichloroethane
Concen: 2.76 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

Tgt Ion: 97 Resp: 6531

Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.7	81.1
83	79.2	61.9	115.1
85	52.8	40.7	75.5

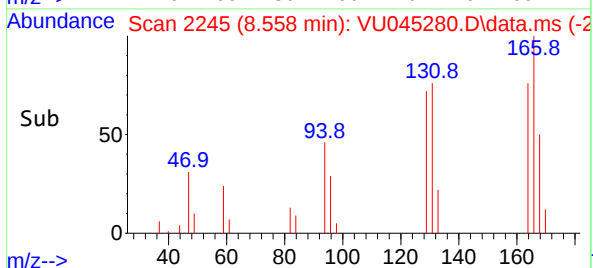
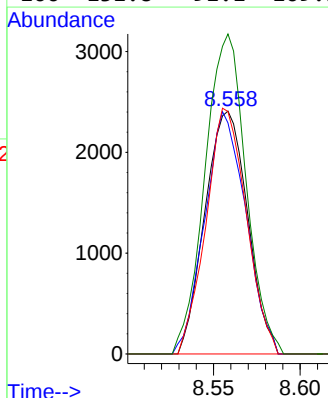
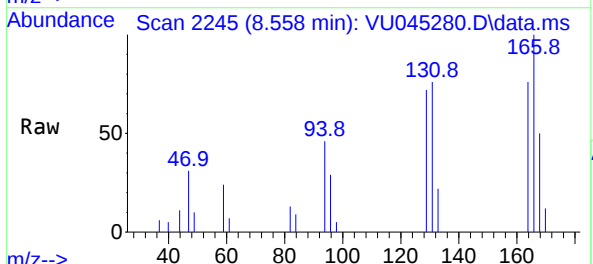


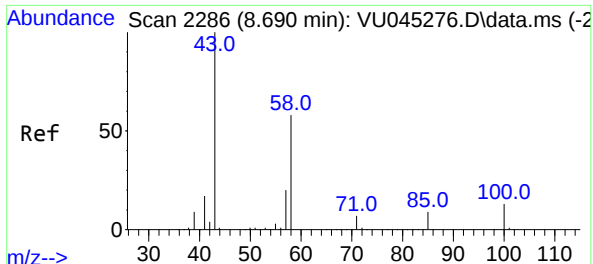
#46

Tetrachloroethene
Concen: 2.50 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 164 Resp: 4112

Ion	Ratio	Lower	Upper
164	100		
129	95.1	69.8	129.6
131	99.8	66.4	123.2
166	131.8	91.1	169.3





#48

2-Hexanone

Concen: 5.47 ug/L

RT: 8.687 min Scan# 2285

Delta R.T. -0.003 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

Tgt Ion: 43 Resp: 21154

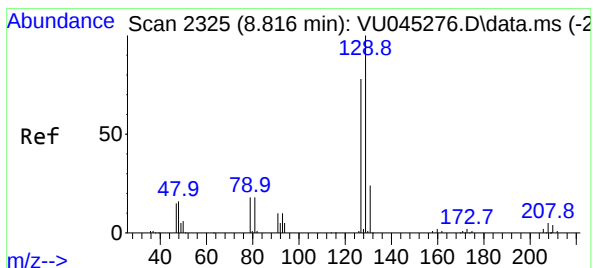
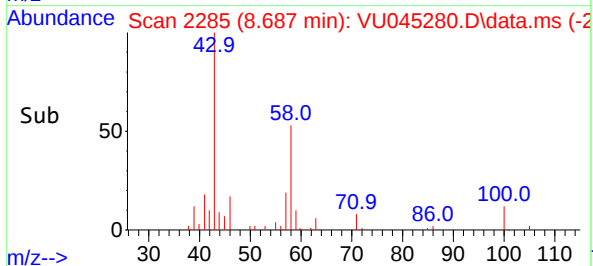
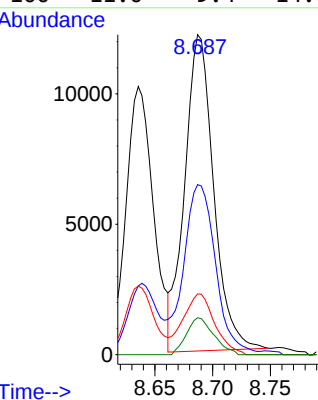
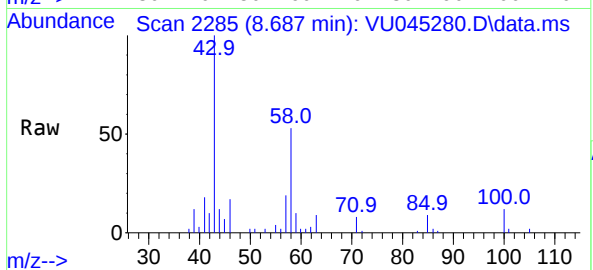
Ion Ratio Lower Upper

43 100

58 58.8 44.9 67.3

57 21.2 15.5 23.3

100 11.0 9.4 14.0



#49

Dibromochloromethane

Concen: 2.45 ug/L

RT: 8.812 min Scan# 2324

Delta R.T. -0.003 min

Lab File: VU045280.D

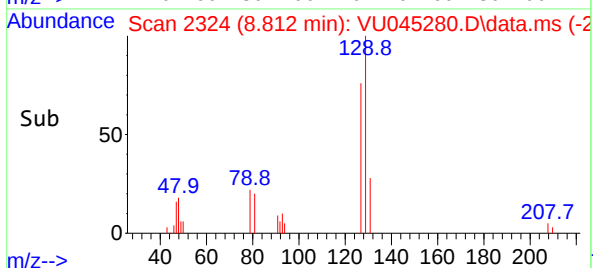
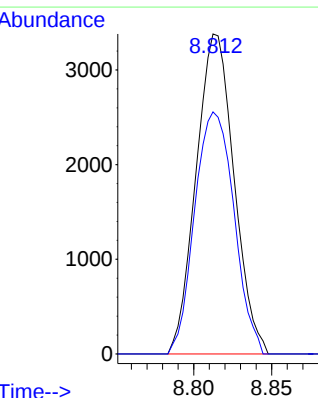
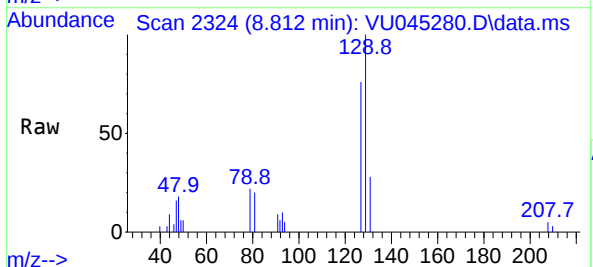
Acq: 11 Oct 2021 14:08

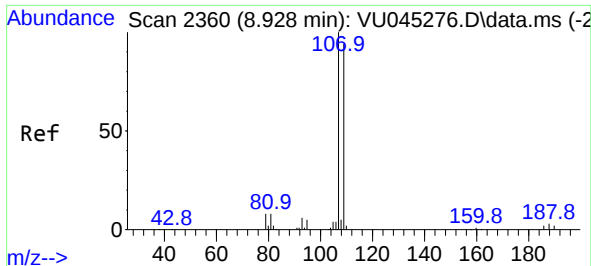
Tgt Ion: 129 Resp: 5723

Ion Ratio Lower Upper

129 100

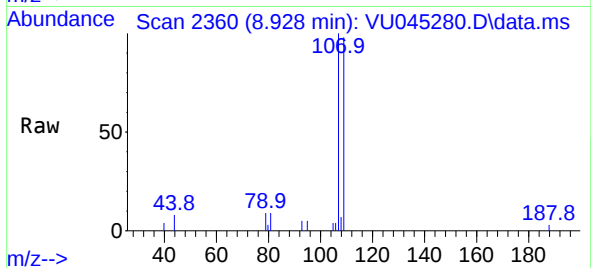
127 75.7 54.3 100.8



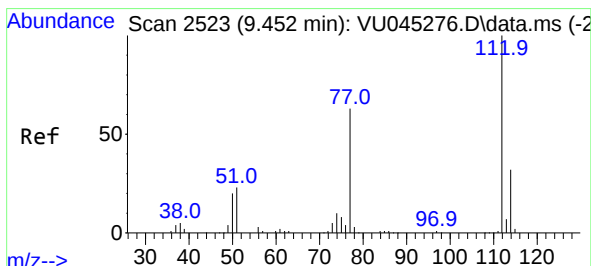
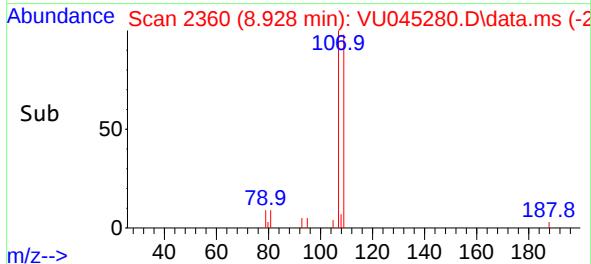
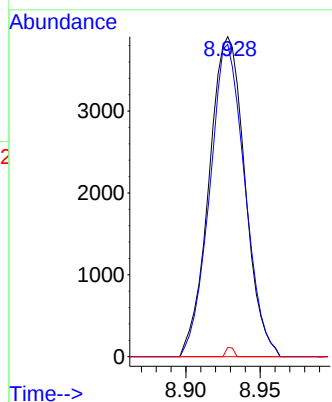


#50
1,2-Dibromoethane
Concen: 2.66 ug/L
RT: 8.928 min Scan# 2360
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

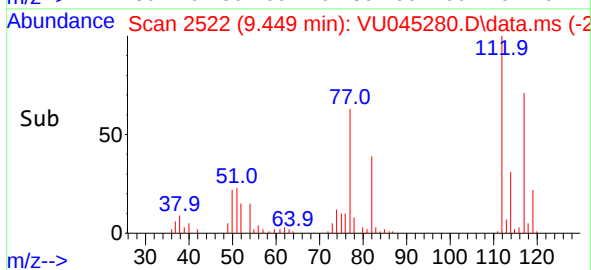
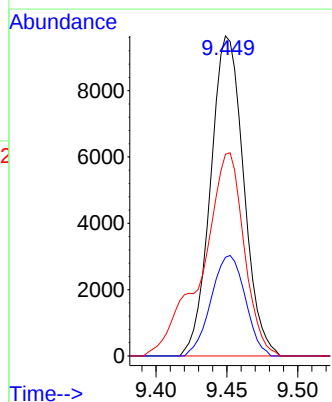
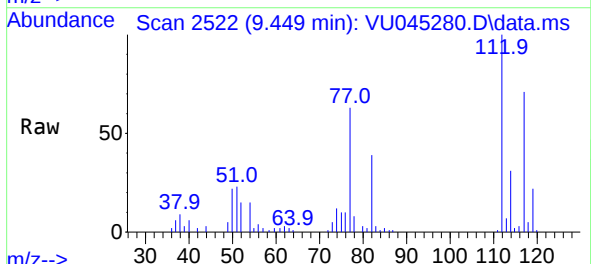


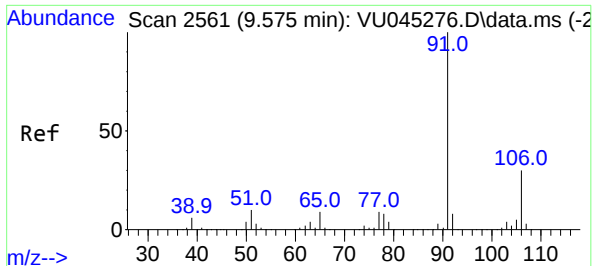
Tgt Ion:107 Resp: 6584
Ion Ratio Lower Upper
107 100
109 97.6 65.5 121.6
188 2.9 2.6 3.8



#51
Chlorobenzene
Concen: 2.61 ug/L
RT: 9.449 min Scan# 2522
Delta R.T. -0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:112 Resp: 15682
Ion Ratio Lower Upper
112 100
114 33.2 22.5 41.9
77 63.1 50.6 75.8

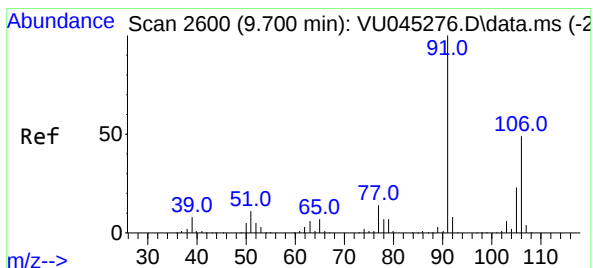
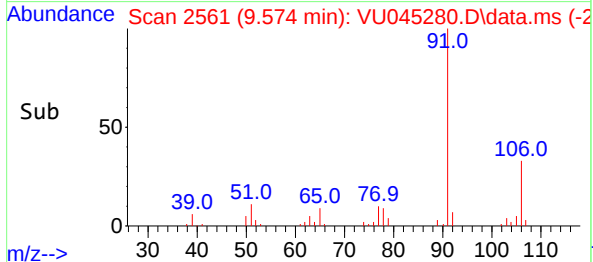
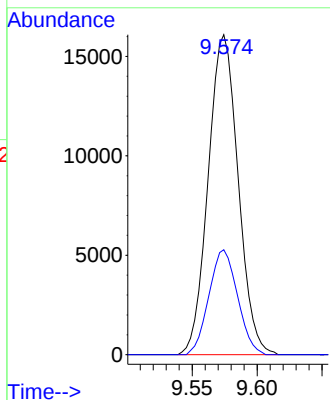
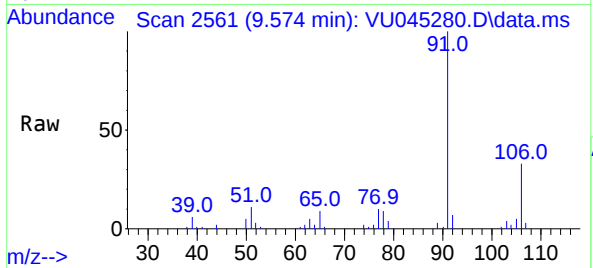




#52
Ethylbenzene
Concen: 2.51 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

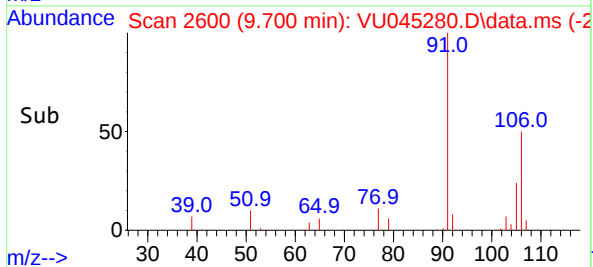
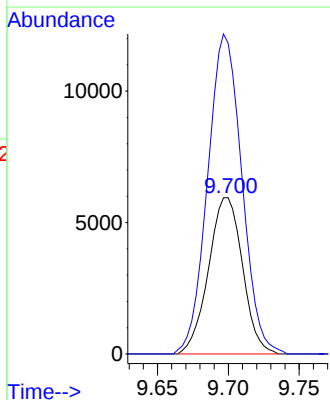
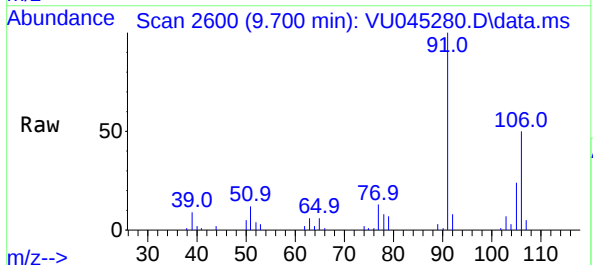
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

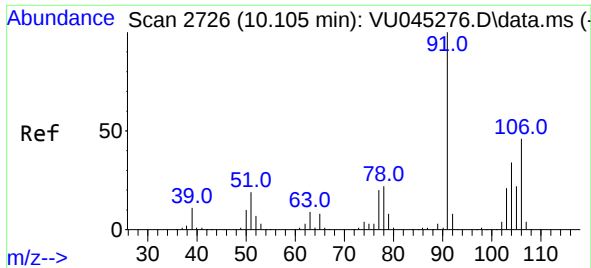
Tgt Ion: 91 Resp: 25811
Ion Ratio Lower Upper
91 100
106 35.6 21.2 39.4



#53
m,p-Xylene
Concen: 2.55 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:106 Resp: 9944
Ion Ratio Lower Upper
106 100
91 198.9 146.7 272.4

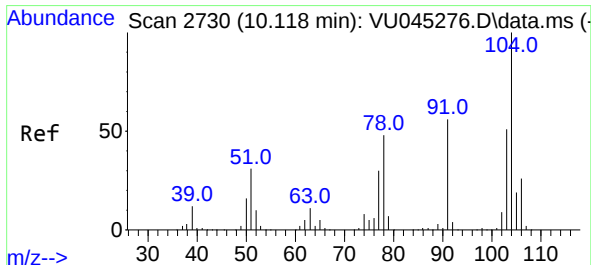
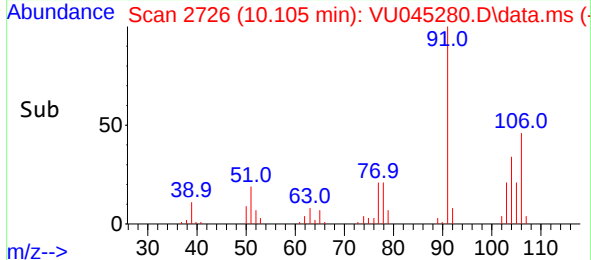
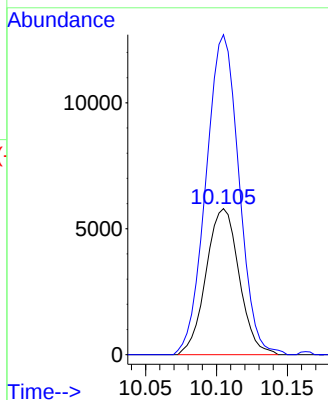
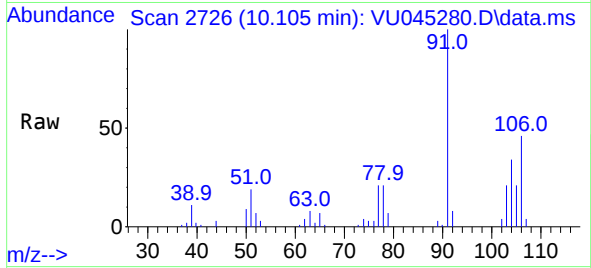




#54
o-xylene
Concen: 2.46 ug/L
RT: 10.105 min Scan# 2726
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

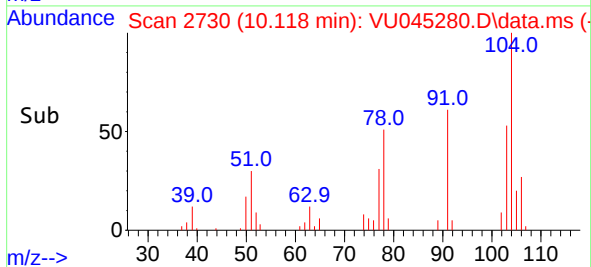
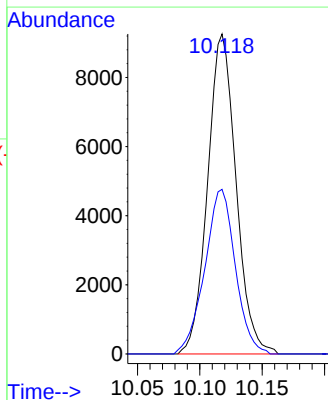
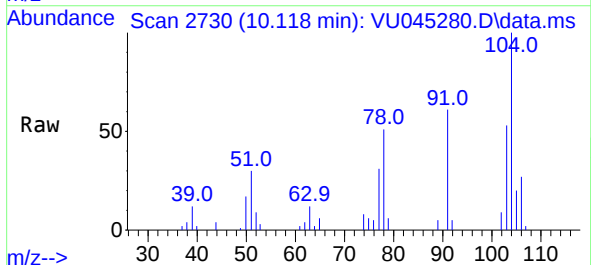
Instrument :
MSVOA_U
ClientSampleId :
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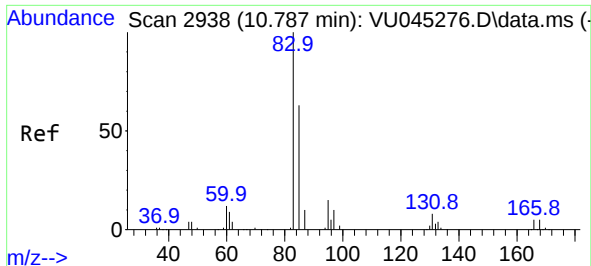
Tgt Ion:106 Resp: 9428
Ion Ratio Lower Upper
106 100
91 219.0 152.9 283.9



#55
Styrene
Concen: 2.23 ug/L
RT: 10.118 min Scan# 2730
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:104 Resp: 14698
Ion Ratio Lower Upper
104 100
78 51.4 33.3 61.9

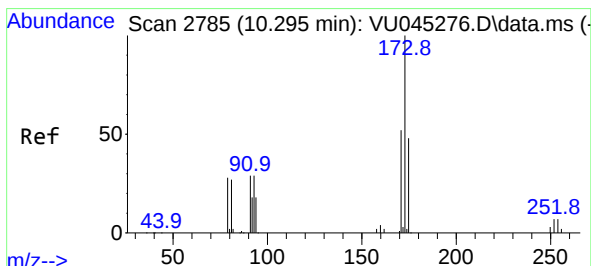
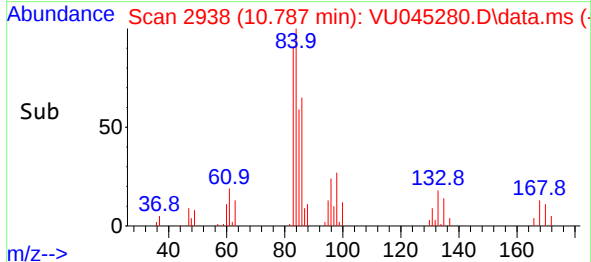
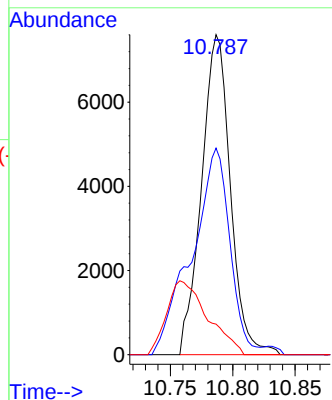
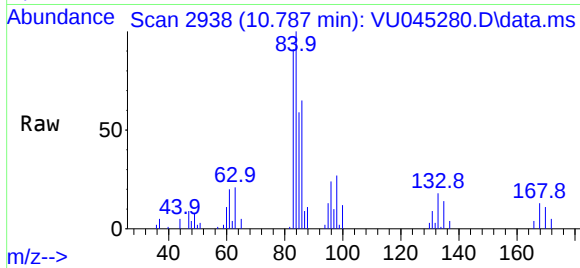




#57
1,1,2,2-Tetrachloroethane
Concen: 2.71 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

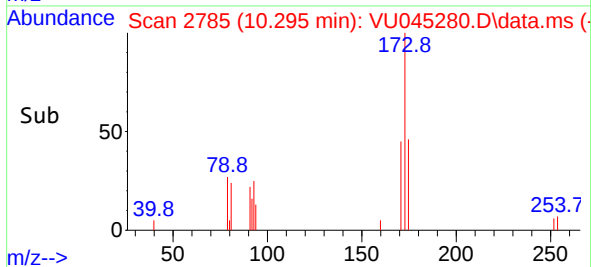
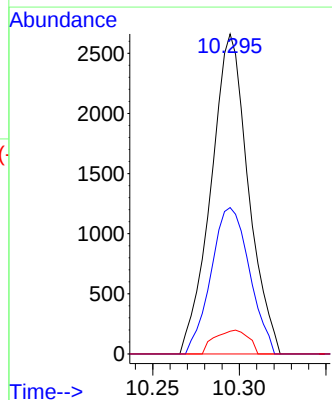
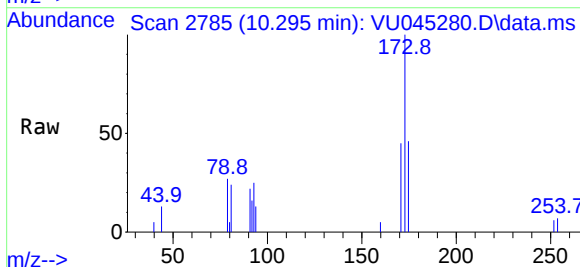
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

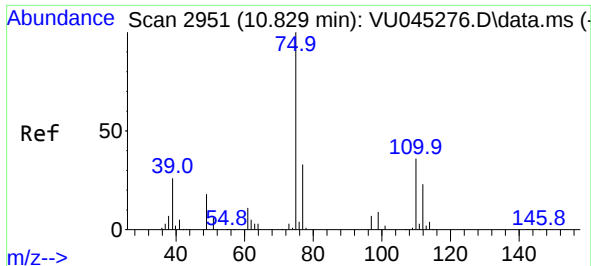
Tgt Ion:	83	Resp:	12250
Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.1	83.7
131	9.5	6.9	10.3



#59
Bromoform
Concen: 2.74 ug/L
RT: 10.295 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:	173	Resp:	3979
Ion	Ratio	Lower	Upper
173	100		
175	47.2	38.4	57.6
254	6.7	5.3	7.9

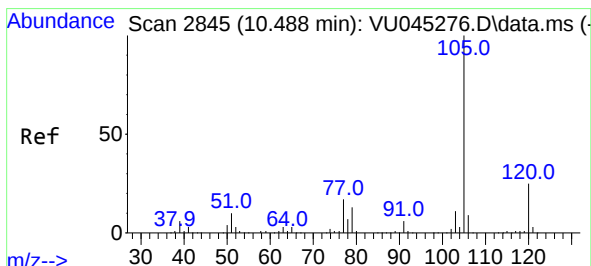
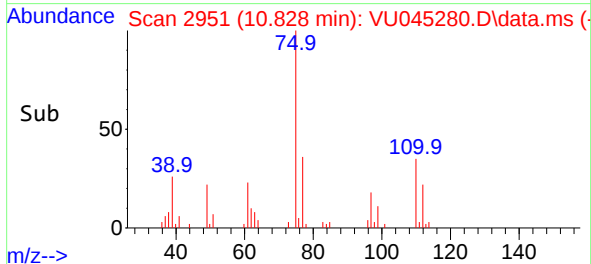
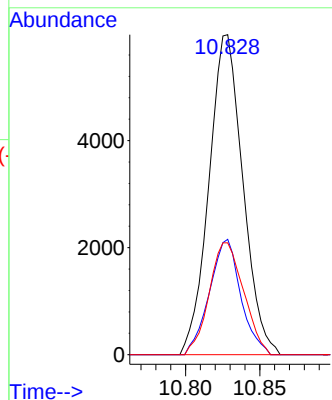
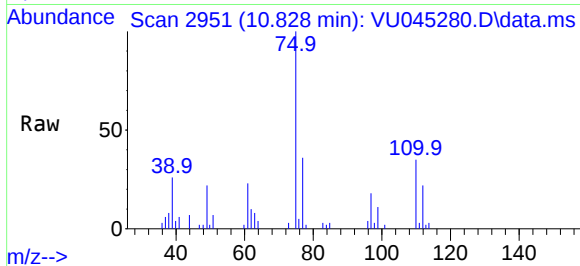




#60
1,2,3-Trichloropropane
Concen: 2.93 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

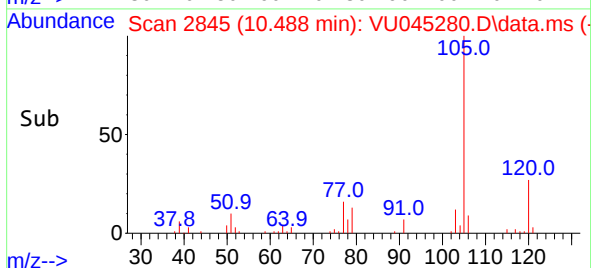
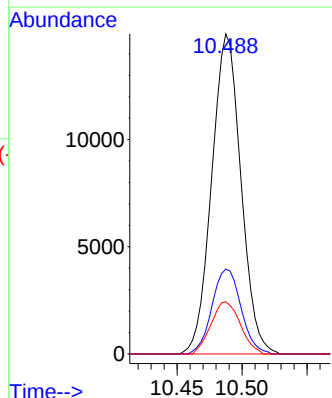
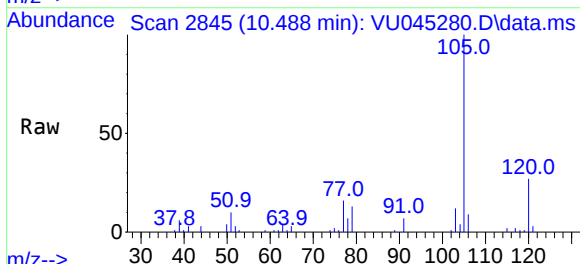
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

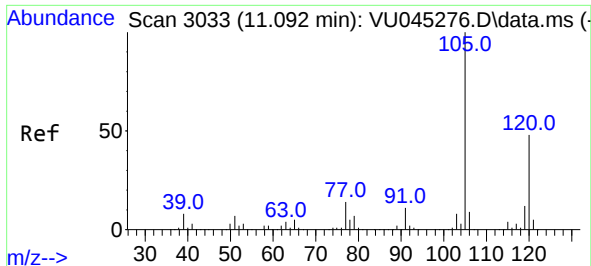
Tgt Ion:	75	Resp:	9498
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.5	38.3
110	35.4	29.0	43.4



#61
Isopropylbenzene
Concen: 2.72 ug/L
RT: 10.488 min Scan# 2845
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:	105	Resp:	23320
Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.5	30.7
77	16.4	13.5	20.3

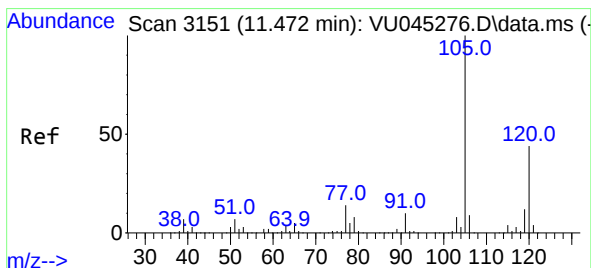
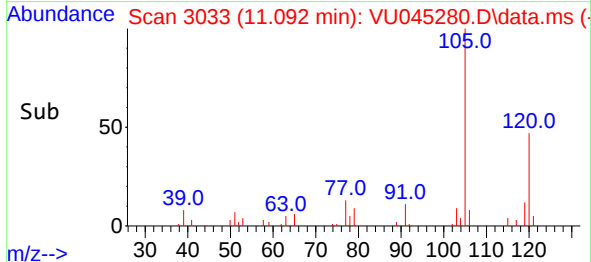
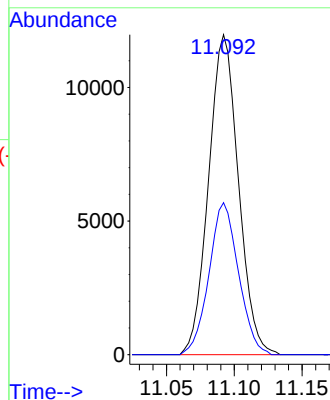
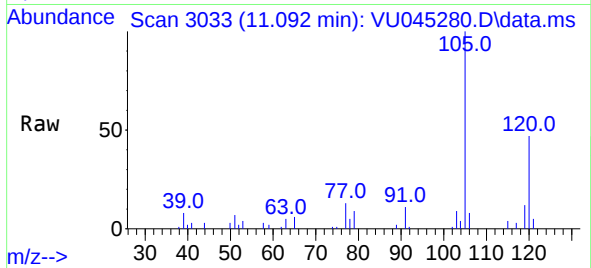




#62
1,3,5-Trimethylbenzene
Concen: 2.56 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

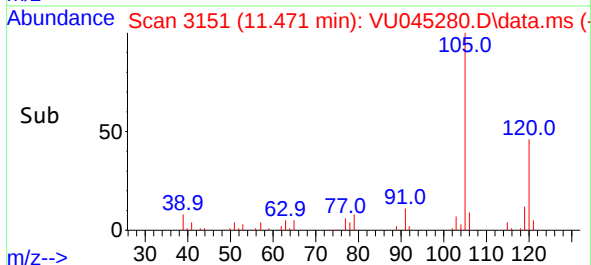
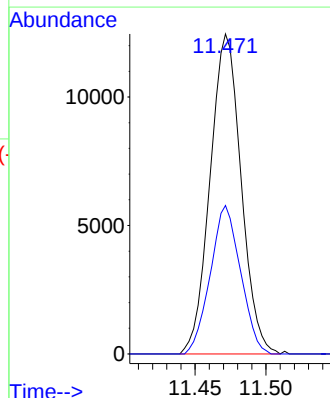
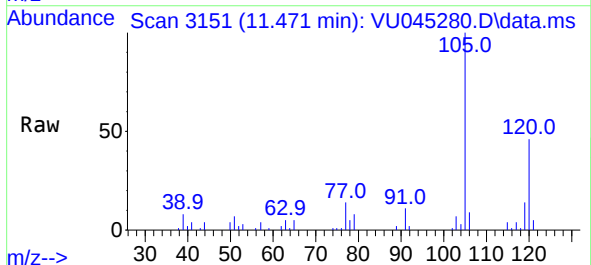
Tgt Ion:105 Resp: 18339
Ion Ratio Lower Upper
105 100
120 47.0 38.8 58.2

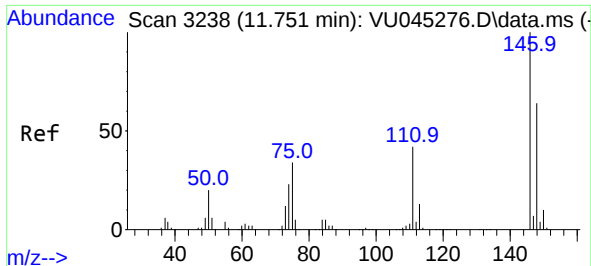
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07



#63
1,2,4-Trimethylbenzene
Concen: 2.58 ug/L
RT: 11.471 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:105 Resp: 18941
Ion Ratio Lower Upper
105 100
120 45.2 35.7 53.5

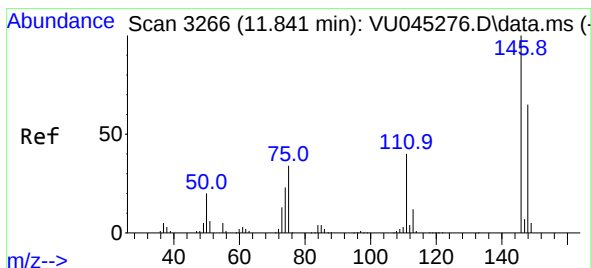
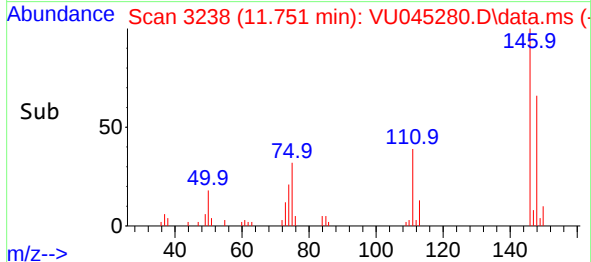
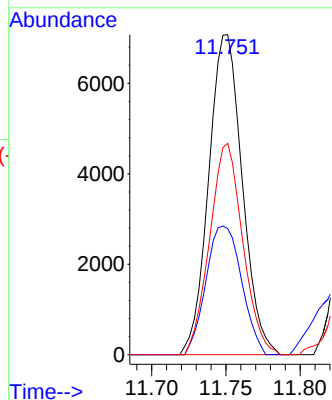
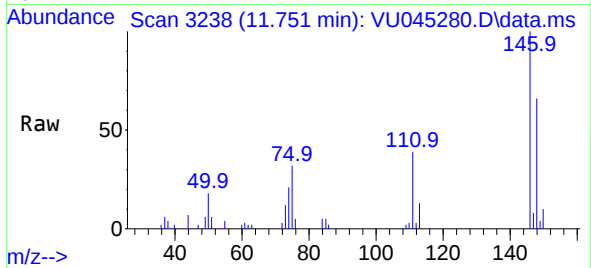




#64
1,3-Dichlorobenzene
Concen: 2.81 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

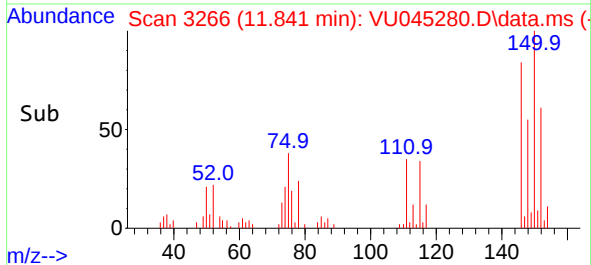
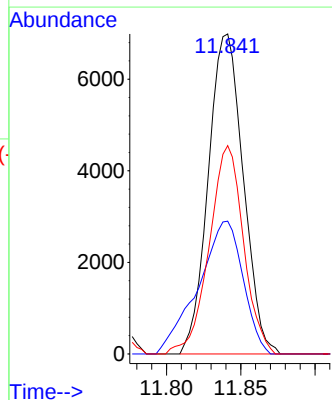
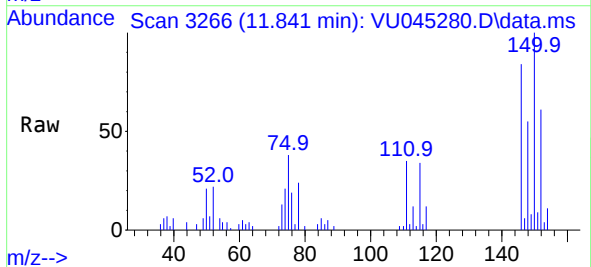
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

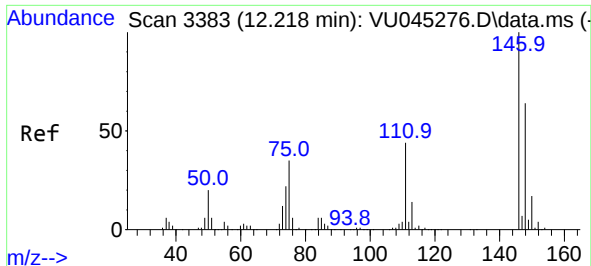
Tgt Ion:146 Resp: 11131
Ion Ratio Lower Upper
146 100
111 39.4 29.0 53.8
148 66.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 2.81 ug/L
RT: 11.841 min Scan# 3266
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:146 Resp: 11430
Ion Ratio Lower Upper
146 100
111 41.5 28.5 52.9
148 65.1 45.5 84.5

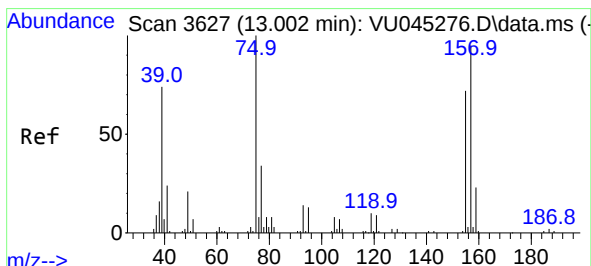
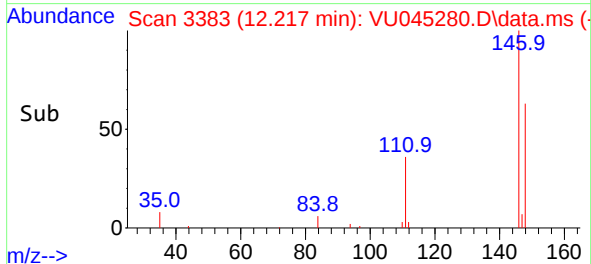
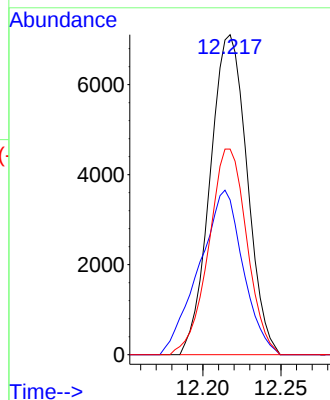
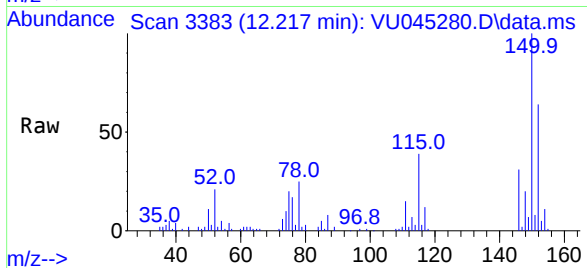




#67
1,2-Dichlorobenzene
Concen: 2.89 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

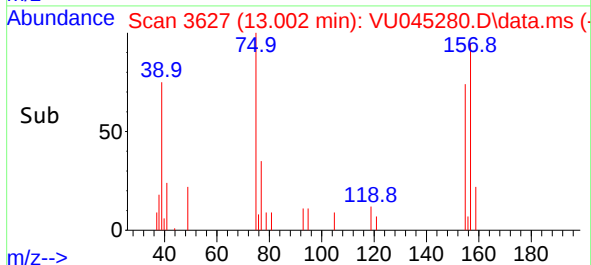
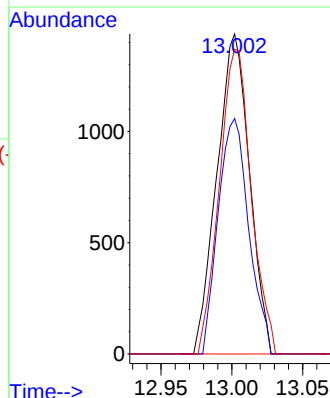
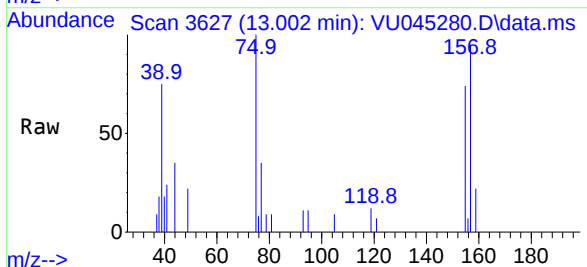
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

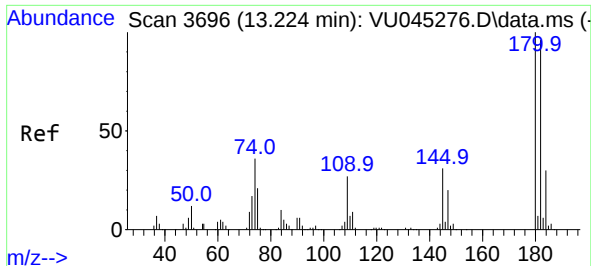
Tgt Ion:146 Resp: 11738
Ion Ratio Lower Upper
146 100
111 48.3 34.7 52.1
148 64.3 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.47 ug/L
RT: 13.002 min Scan# 3627
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion: 75 Resp: 2301
Ion Ratio Lower Upper
75 100
155 80.7 58.5 87.7
157 95.2 77.7 116.5



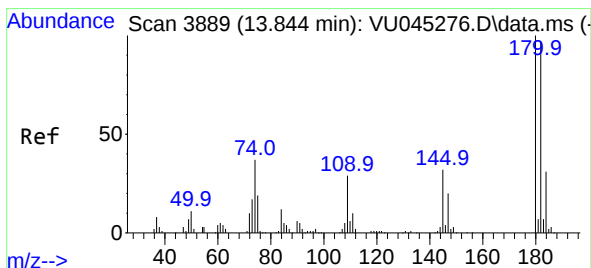
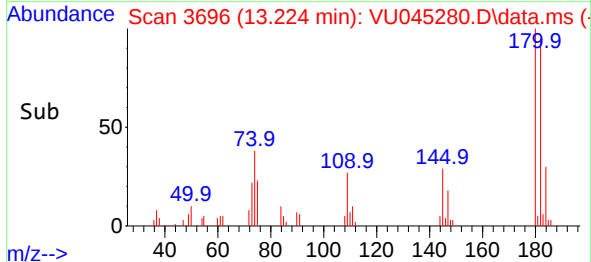
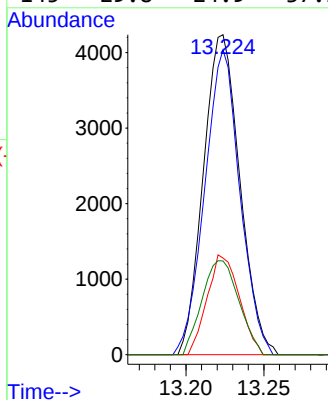
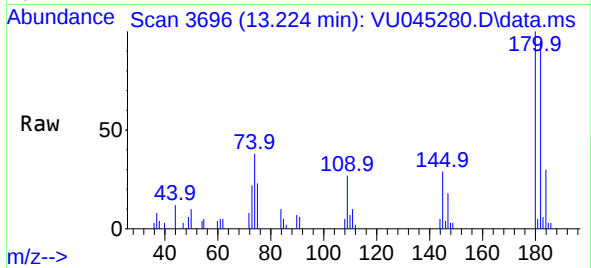


#69
1,3,5-Trichlorobenzene
Concen: 2.51 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

Tgt Ion:180 Resp: 6895

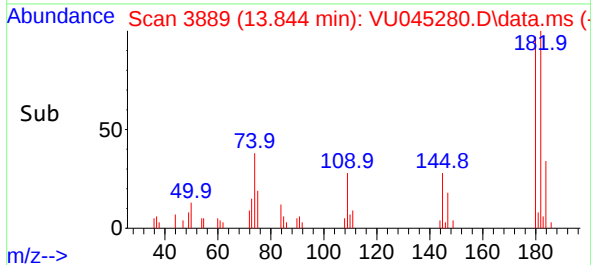
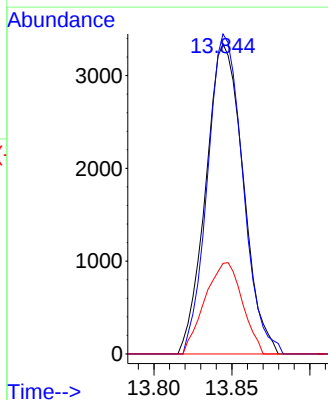
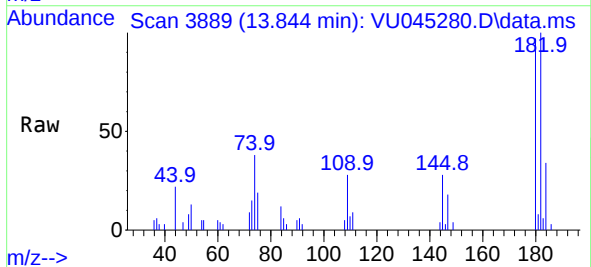
Ion	Ratio	Lower	Upper
180	100		
182	91.6	76.8	115.2
184	27.5	24.4	36.6
145	29.8	24.9	37.3

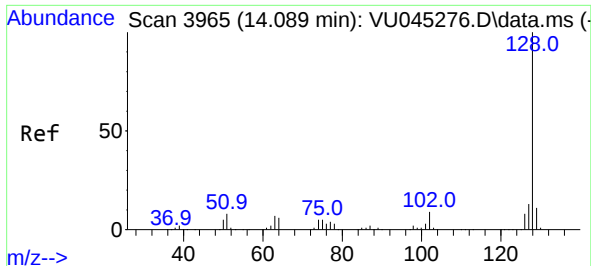


#70
1,2,4-trichlorobenzene
Concen: 2.43 ug/L
RT: 13.844 min Scan# 3889
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

Tgt Ion:180 Resp: 5559

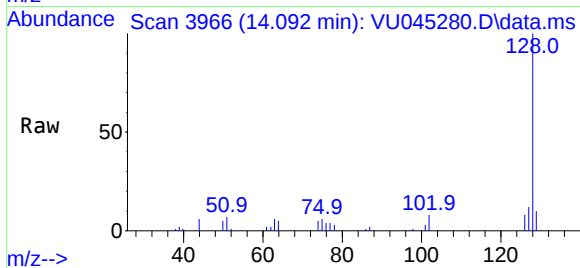
Ion	Ratio	Lower	Upper
180	100		
182	97.4	76.2	114.2
145	29.5	25.4	38.0



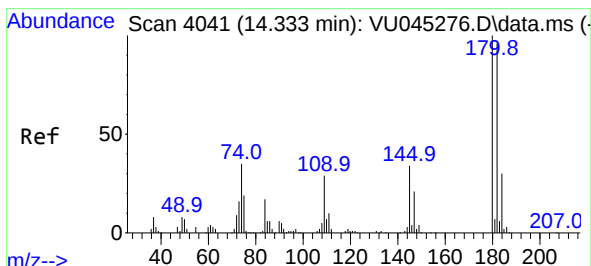
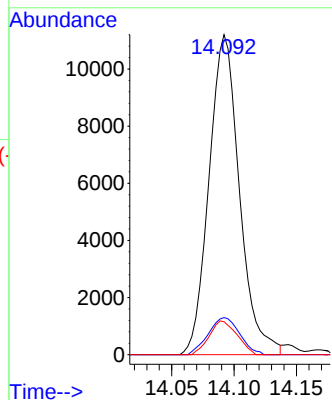
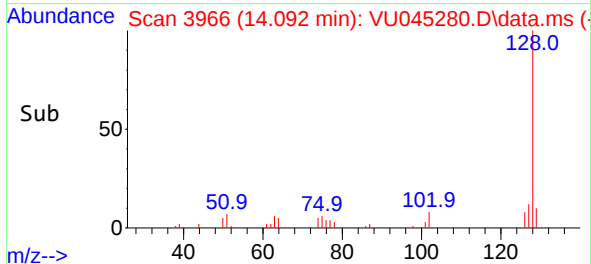


#71
Naphthalene
Concen: 2.40 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

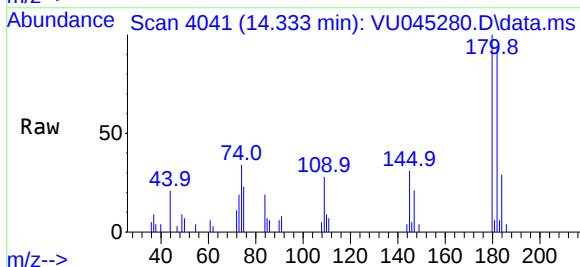
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07



Tgt Ion:128 Resp: 19038
Ion Ratio Lower Upper
128 100
127 11.9 10.4 15.6
129 9.6 8.8 13.2



#72
1,2,3-Trichlorobenzene
Concen: 2.48 ug/L
RT: 14.333 min Scan# 4041
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08



Tgt Ion:180 Resp: 5806
Ion Ratio Lower Upper
180 100
182 90.7 76.8 115.2
145 31.6 26.5 39.7

