

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	50.000	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	258375	50.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.815	152	117165	50.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	124436	42.815	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.640%
7) Chloroethane-d5	1.899	69	105189	45.673	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	91.340%
11) 1,1-Dichloroethene-d2	2.565	63	163316	33.461	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	66.920%
21) 2-Butanone-d5	4.626	46	215197	93.658	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.660%
24) Chloroform-d	5.067	84	213076	46.419	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.840%
26) 1,2-Dichloroethane-d4	5.706	65	150267	48.329	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.660%
32) Benzene-d6	5.732	84	441573	49.252	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.500%
36) 1,2-Dichloropropane-d6	6.693	67	145849	49.891	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.780%
41) Toluene-d8	7.902	98	383045	49.508	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.020%
43) trans-1,3-Dichloroprop...	8.182	79	65575	50.427	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.860%
47) 2-Hexanone-d5	8.636	63	146794	90.611	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	90.610%
56) 1,1,2,2-Tetrachloroeth...	10.761	84	220395	48.415	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	96.820%
66) 1,2-Dichlorobenzene-d4	12.198	152	135260	53.047	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	106.100%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.388	85	6076	2.390	ug/L	98
3) Chloromethane	1.523	50	8285	2.615	ug/L	97
5) Vinyl chloride	1.604	62	8180	2.635	ug/L #	9
6) Bromomethane	1.835	94	4793	3.219	ug/L	96
8) Chloroethane	1.922	64	4824	2.476	ug/L	90
9) Trichlorofluoromethane	2.131	101	8489	2.389	ug/L	93
10) 1,1,2-Trichloro-1,2,2-...	2.575	101	6773	3.020	ug/L #	83
12) 1,1-Dichloroethene	2.578	96	6236	3.033	ug/L #	1
13) Acetone	2.633	43	10165	3.827	ug/L	99
14) Carbon disulfide	2.793	76	15177	2.304	ug/L	100
15) Methyl Acetate	2.954	43	8390	2.561	ug/L	99
16) Methylene chloride	3.047	84	9061	3.479	ug/L	95
17) trans-1,2-Dichloroethene	3.356	96	5401	2.494	ug/L	94
18) Methyl tert-butyl Ether	3.372	73	19640	2.750	ug/L	97
19) 1,1-Dichloroethane	3.874	63	11276	2.503	ug/L	99
20) cis-1,2-Dichloroethene	4.671	96	6375	2.671	ug/L	98
22) 2-Butanone	4.713	43	12127	4.080	ug/L	99
23) Bromochloromethane	4.976	128	3186	2.633	ug/L	90
25) Chloroform	5.092	83	14457	3.228	ug/L	97

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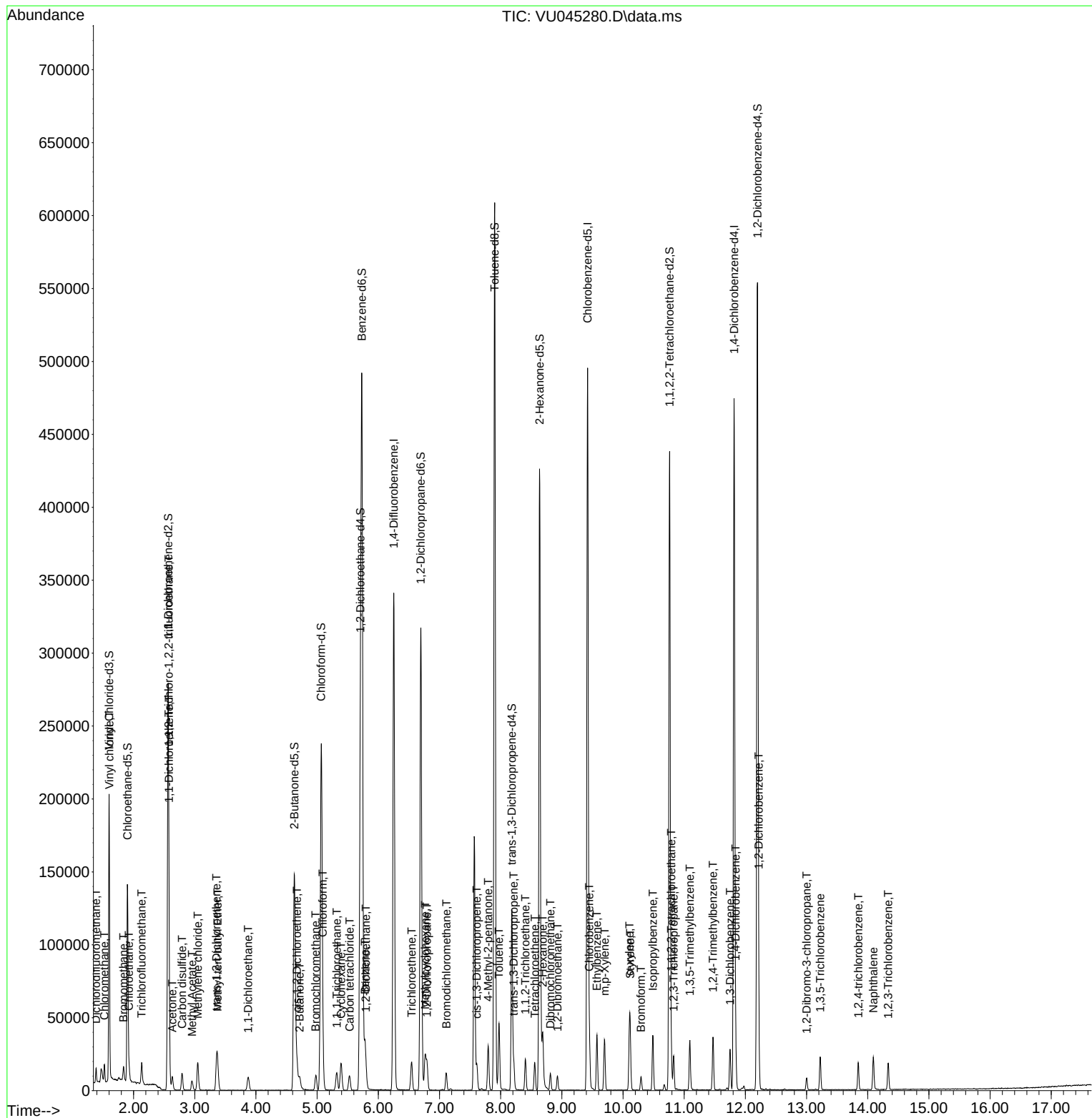
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.796	62	9788	2.613	ug/L	100
29) Cyclohexane	5.391	56	9457	2.435	ug/L	99
30) 1,1,1-Trichloroethane	5.321	97	8845	2.473	ug/L	99
31) Carbon tetrachloride	5.533	117	6620	2.343	ug/L	97
33) Benzene	5.780	78	25229	2.633	ug/L	100
34) Trichloroethene	6.546	95	5854	2.543	ug/L	97
35) Methylcyclohexane	6.767	83	9111	2.364	ug/L	98
37) 1,2-Dichloropropane	6.796	63	6717	2.574	ug/L	98
38) Bromodichloromethane	7.111	83	7963	2.490	ug/L	99
39) cis-1,3-Dichloropropene	7.610	75	9731	2.607	ug/L	98
40) 4-Methyl-2-pentanone	7.796	43	20119	4.616	ug/L	100
42) Toluene	7.973	91	31492	3.234	ug/L	99
44) trans-1,3-Dichloropropene	8.214	75	9732	2.742	ug/L	96
45) 1,1,2-Trichloroethane	8.404	97	6531	2.762	ug/L	93
46) Tetrachloroethene	8.558	164	4112	2.499	ug/L	97
48) 2-Hexanone	8.687	43	21154	5.473	ug/L	97
49) Dibromochloromethane	8.812	129	5723	2.447	ug/L	98
50) 1,2-Dibromoethane	8.928	107	6584	2.659	ug/L	96
51) Chlorobenzene	9.449	112	15682	2.609	ug/L	99
52) Ethylbenzene	9.574	91	25811	2.509	ug/L	90
53) m,p-Xylene	9.700	106	9944	2.552	ug/L	93
54) o-xylene	10.105	106	9428	2.462	ug/L	100
55) Styrene	10.118	104	14698	2.232	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.787	83	12250	2.706	ug/L	99
59) Bromoform	10.295	173	3979	2.738	ug/L	99
60) 1,2,3-Trichloropropane	10.828	75	9498	2.931	ug/L	98
61) Isopropylbenzene	10.488	105	23320	2.720	ug/L	99
62) 1,3,5-Trimethylbenzene	11.092	105	18339	2.561	ug/L	98
63) 1,2,4-Trimethylbenzene	11.471	105	18941	2.583	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	11131	2.809	ug/L	97
65) 1,4-Dichlorobenzene	11.841	146	11430	2.811	ug/L	99
67) 1,2-Dichlorobenzene	12.217	146	11738	2.885	ug/L	97
68) 1,2-Dibromo-3-chloropr...	13.002	75	2301	2.471	ug/L	95
69) 1,3,5-Trichlorobenzene	13.224	180	6895	2.507	ug/L	96
70) 1,2,4-trichlorobenzene	13.844	180	5559	2.433	ug/L	97
71) Naphthalene	14.092	128	19038	2.404	ug/L	97
72) 1,2,3-Trichlorobenzene	14.333	180	5806	2.483	ug/L	95

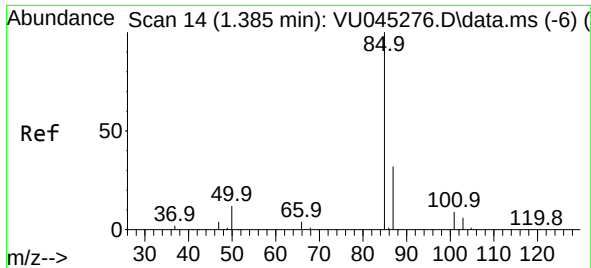
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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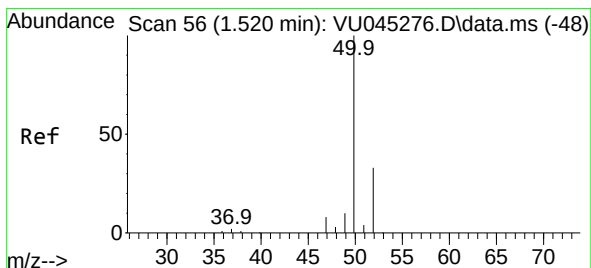
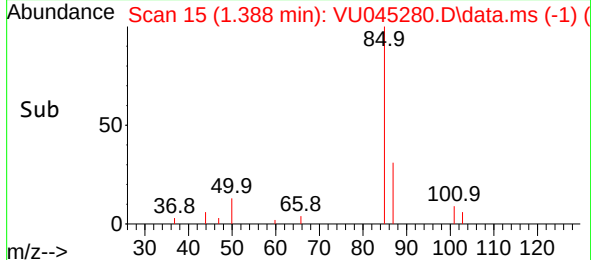
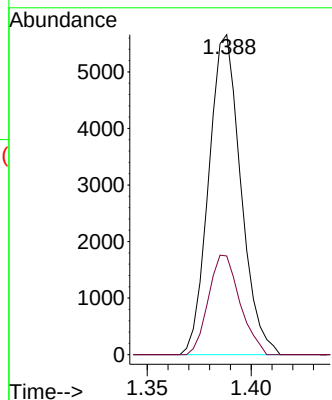
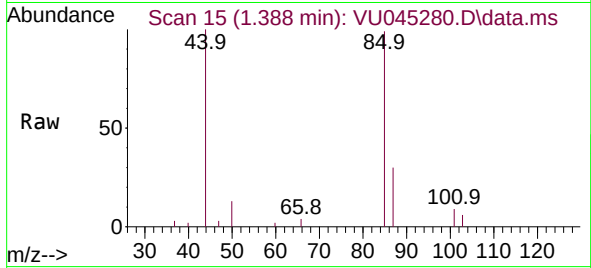




#2
Dichlorodifluoromethane
Concen: 2.390 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

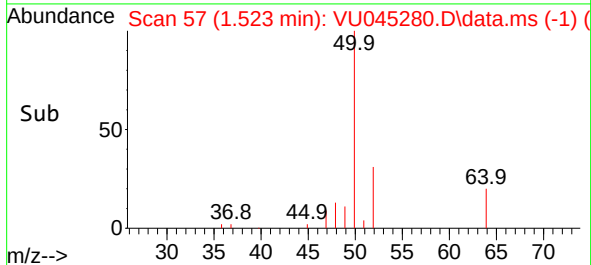
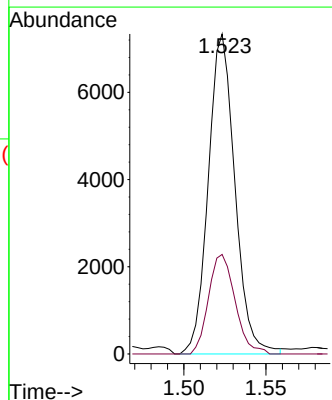
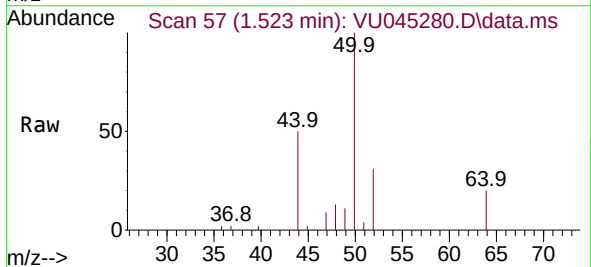
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

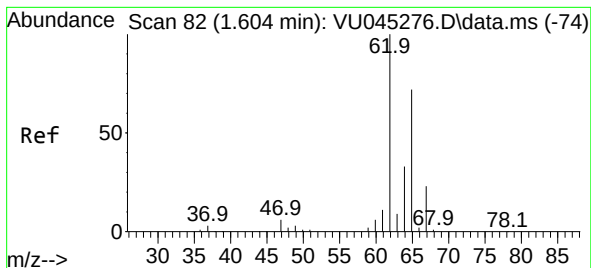
Tgt Ion: 85 Resp: 6076
Ion Ratio Lower Upper
85 100
87 30.5 25.2 37.8



#3
Chloromethane
Concen: 2.615 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: 2.635 ug/L

RT: 1.604 min Scan# 82

Delta R.T. -0.000 min

Lab File: VU045280.D

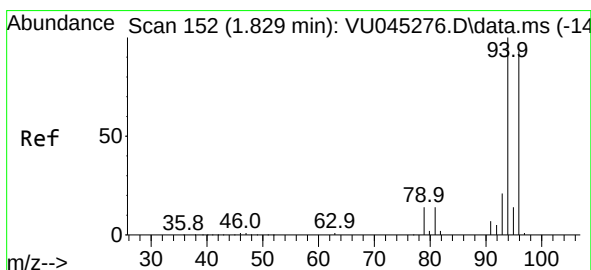
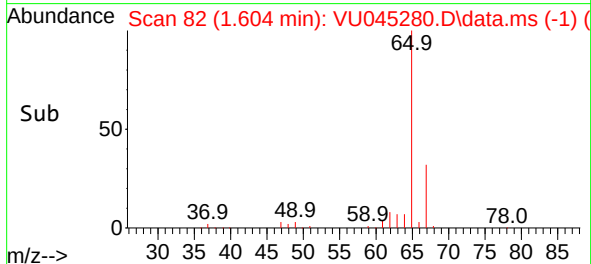
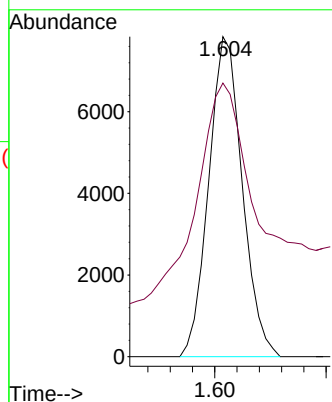
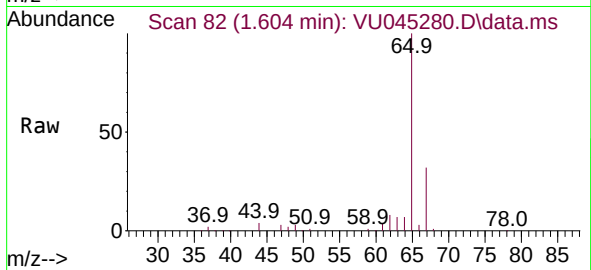
Acq: 11 Oct 2021 14:08

Tgt Ion: 62 Resp: 8180

Ion Ratio Lower Upper

62 100

64 85.5 23.4 43.6#



#6

Bromomethane

Concen: 3.219 ug/L

RT: 1.835 min Scan# 154

Delta R.T. 0.006 min

Lab File: VU045280.D

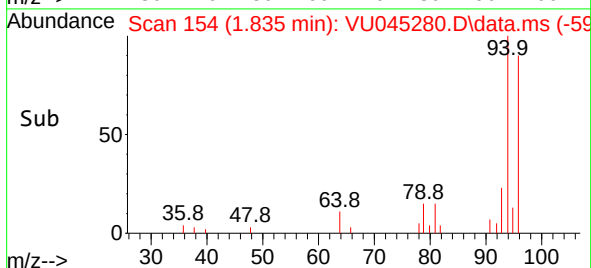
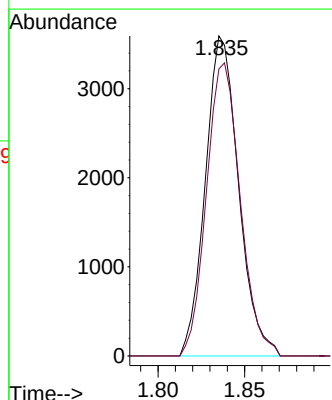
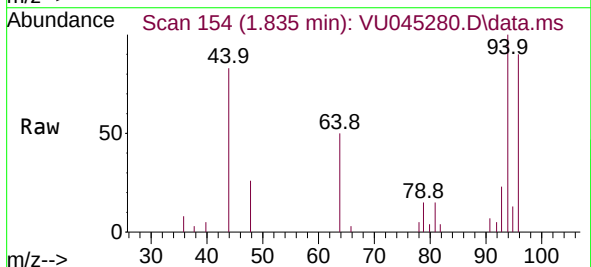
Acq: 11 Oct 2021 14:08

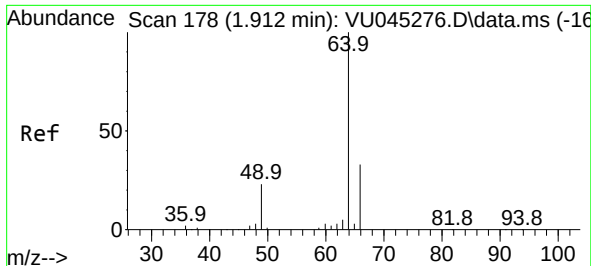
Tgt Ion: 94 Resp: 4793

Ion Ratio Lower Upper

94 100

96 89.7 65.7 121.9

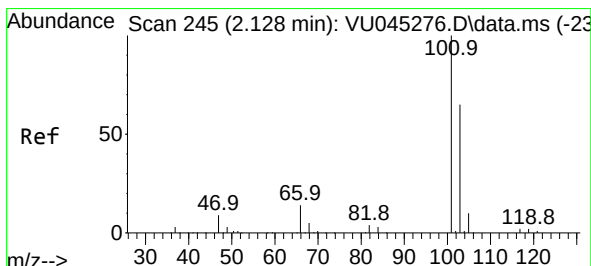
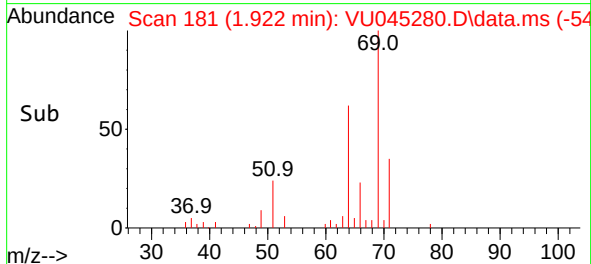
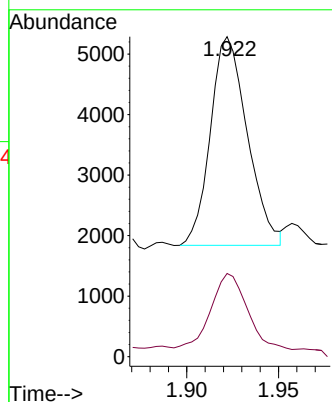
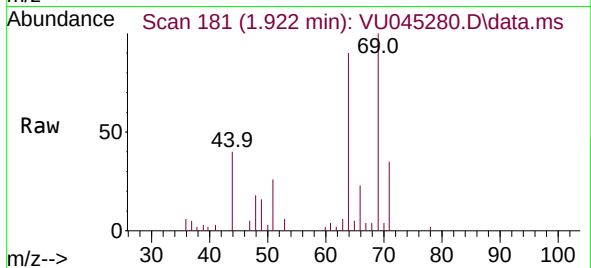




#8
Chloroethane
Concen: 2.476 ug/L
RT: 1.922 min Scan# 181
Delta R.T. 0.009 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

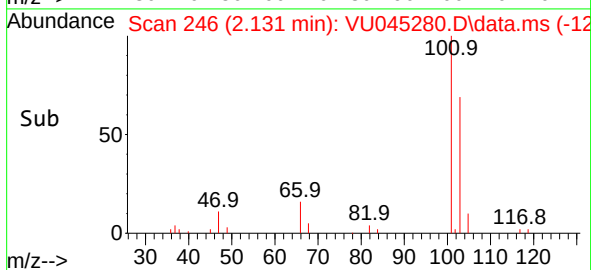
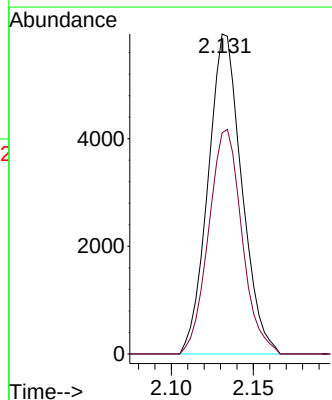
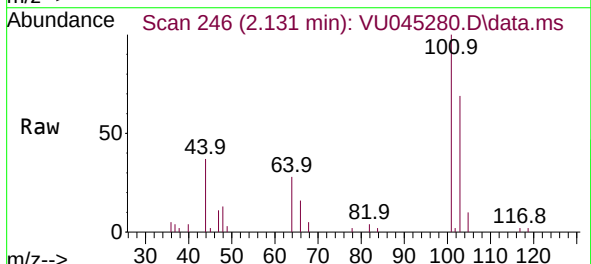
Instrument :
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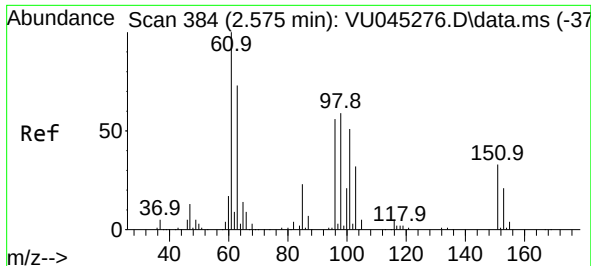
Tgt Ion: 64 Resp: 4824
Ion Ratio Lower Upper
64 100
66 26.0 22.3 41.3



#9
Trichlorofluoromethane
Concen: 2.389 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: 3.020 ug/L

RT: 2.575 min Scan# 384

Delta R.T. -0.000 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

Tgt Ion:101 Resp: 6773

Ion Ratio Lower Upper

101 100

85 34.8 36.4 54.6#

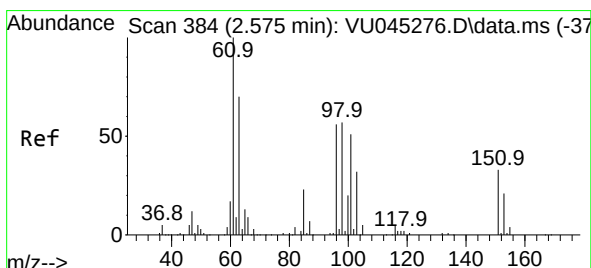
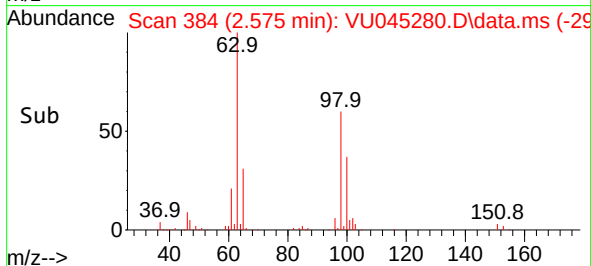
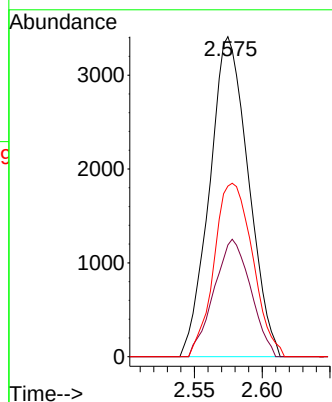
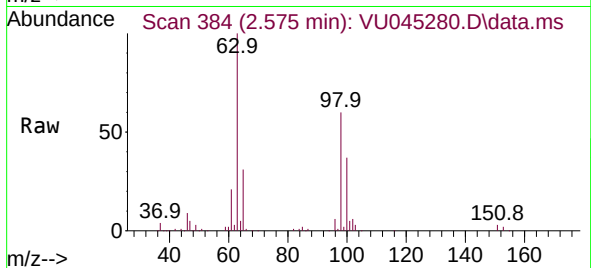
151 54.0 54.4 81.6#

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2021-07



#12

1,1-Dichloroethene

Concen: 3.033 ug/L

RT: 2.578 min Scan# 385

Delta R.T. 0.003 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

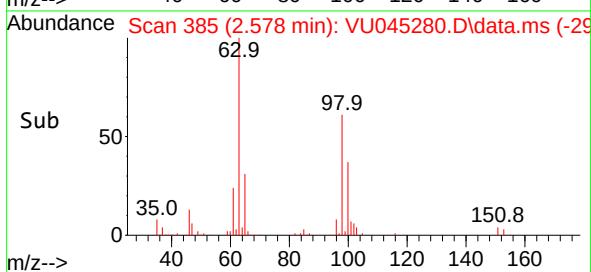
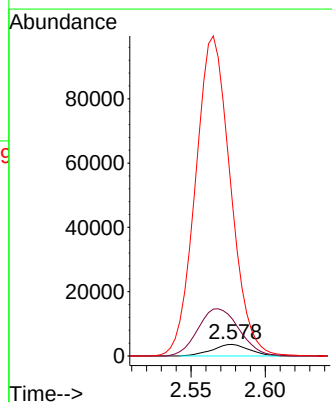
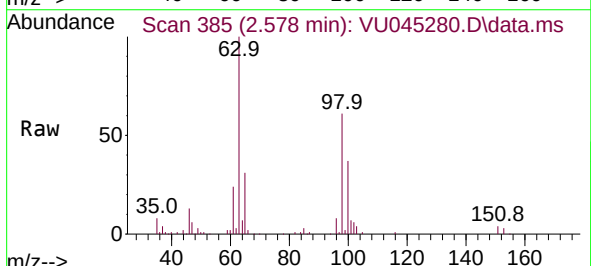
Tgt Ion: 96 Resp: 6236

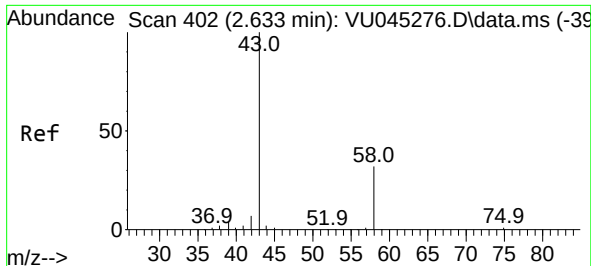
Ion Ratio Lower Upper

96 100

61 318.4 131.3 243.9#

63 1316.8 102.5 190.3#

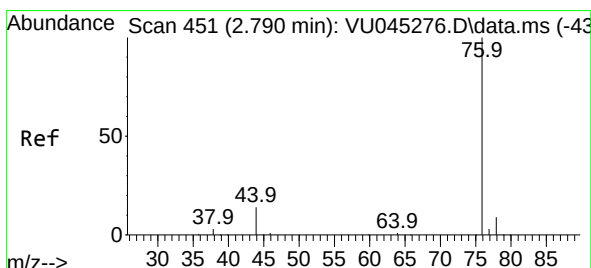
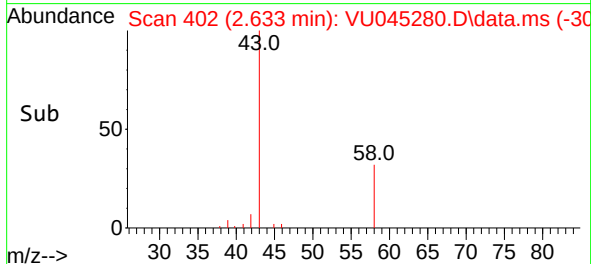
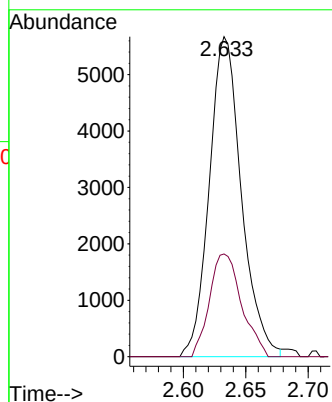
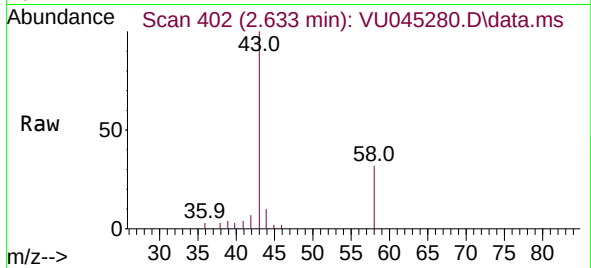




#13
Acetone
Concen: 3.827 ug/L
RT: 2.633 min Scan# 402
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

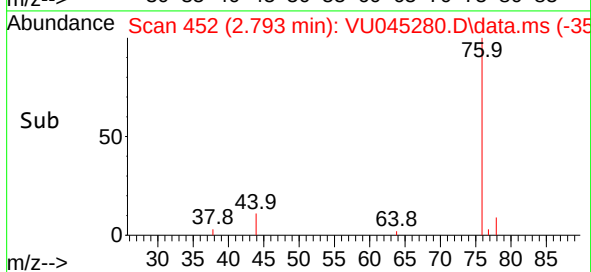
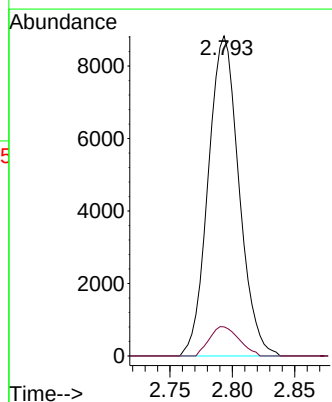
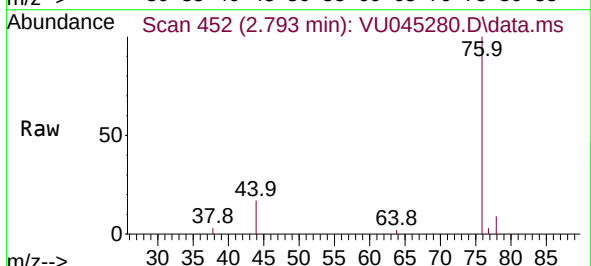
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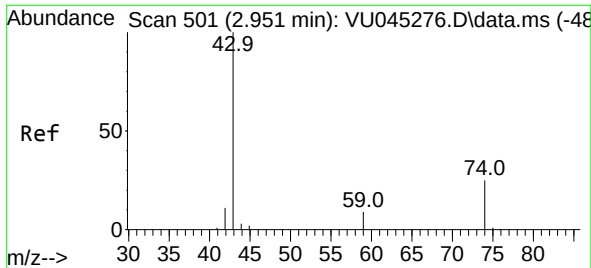
Tgt Ion: 43 Resp: 10165
Ion Ratio Lower Upper
43 100
58 32.0 0.0 62.8



#14
Carbon disulfide
Concen: 2.304 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

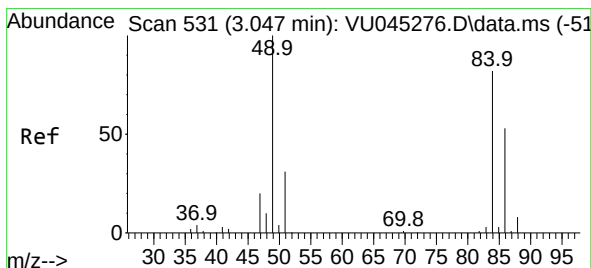
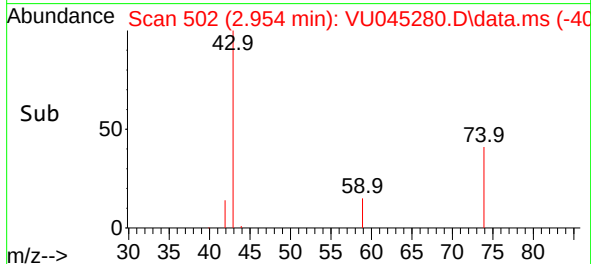
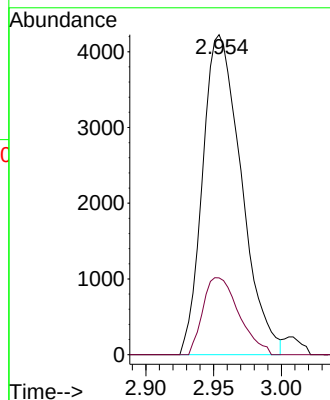
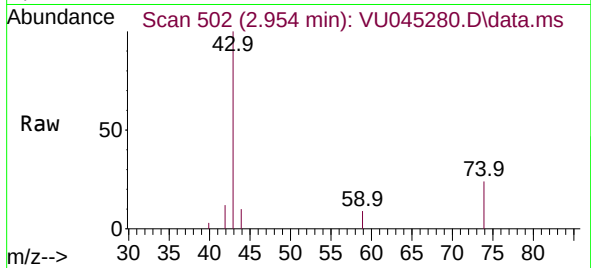




#15
Methyl Acetate
Concen: 2.561 ug/L
RT: 2.954 min Scan# 502
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

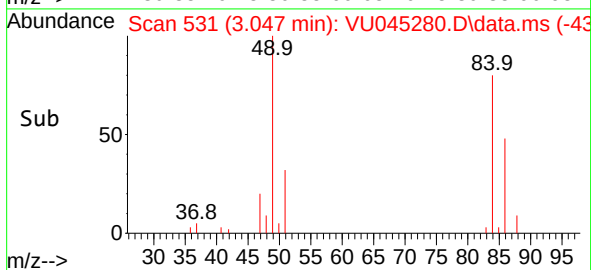
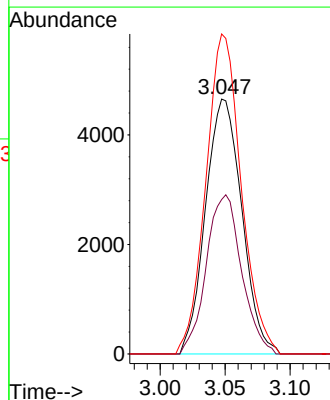
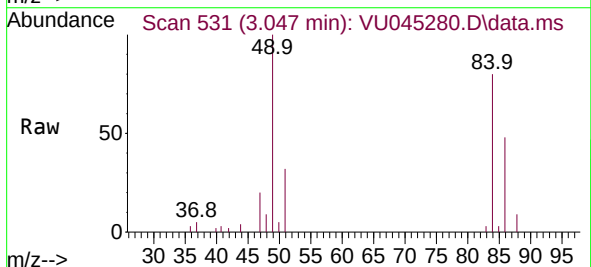
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

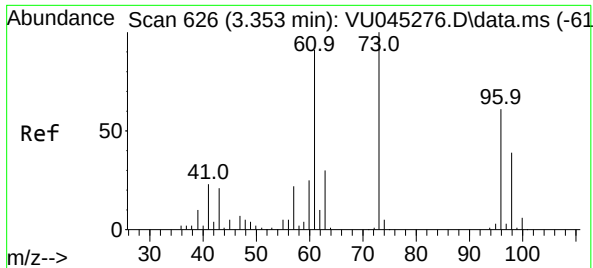
Tgt Ion: 43 Resp: 8390
Ion Ratio Lower Upper
43 100
74 22.4 18.4 27.6



#16
Methylene chloride
Concen: 3.479 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

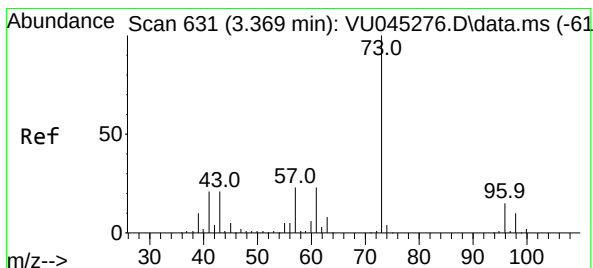
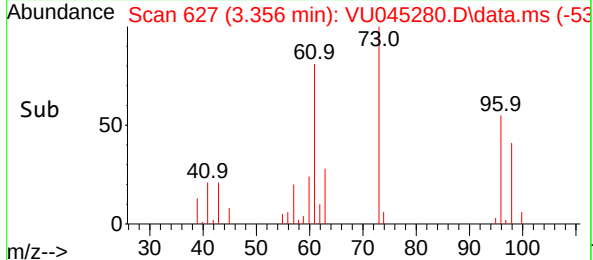
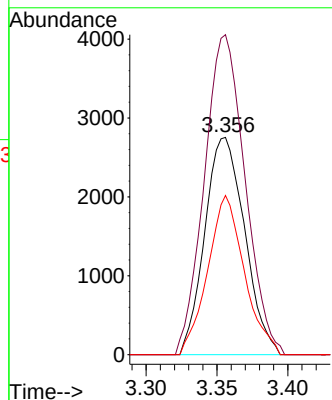
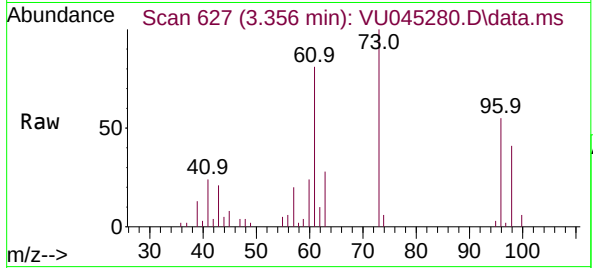




#17
trans-1,2-Dichloroethene
Concen: 2.494 ug/L
RT: 3.356 min Scan# 627
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

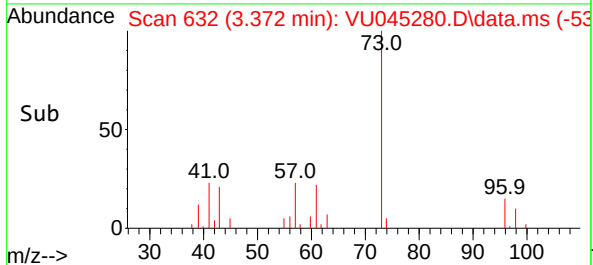
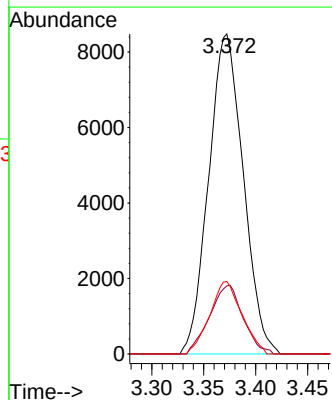
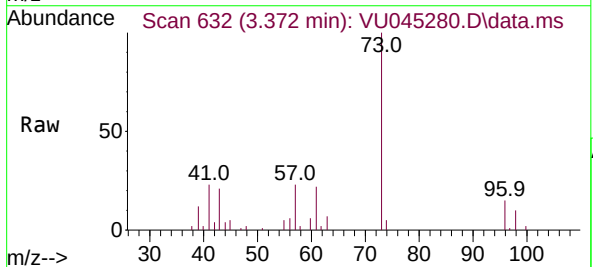
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

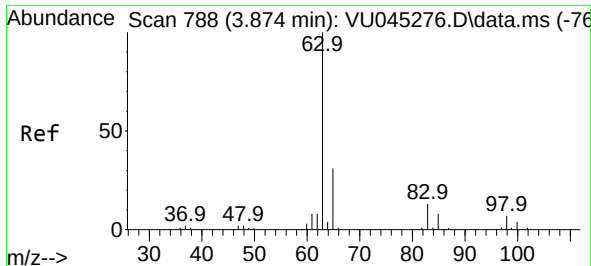
Tgt Ion: 96 Resp: 5401
Ion Ratio Lower Upper
96 100
61 147.2 105.1 195.3
98 73.2 43.0 79.8



#18
Methyl tert-butyl Ether
Concen: 2.750 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

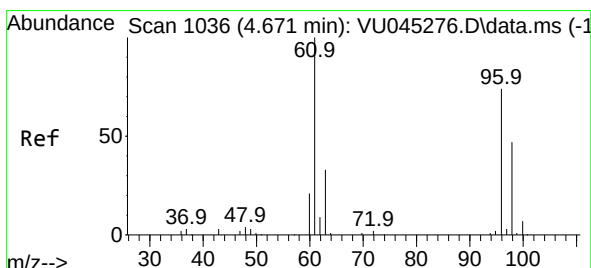
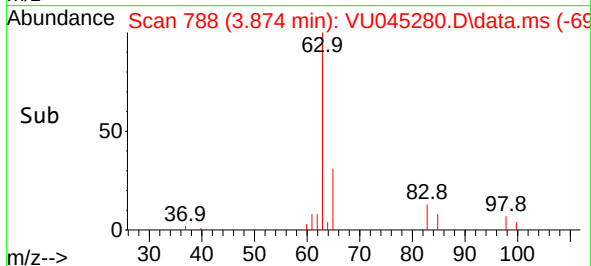
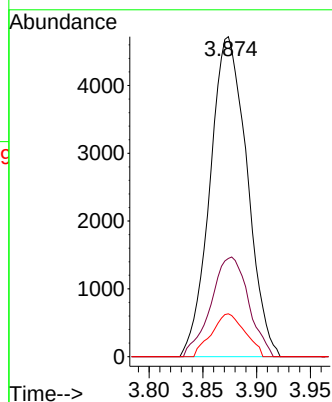
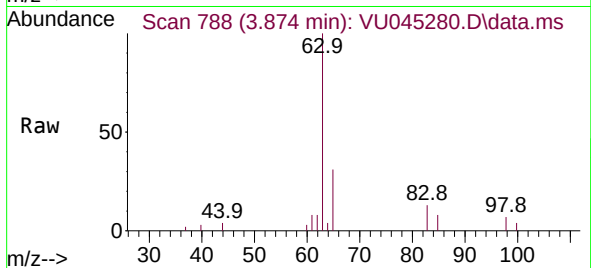




#19
1,1-Dichloroethane
Concen: 2.503 ug/L
RT: 3.874 min Scan# 788
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

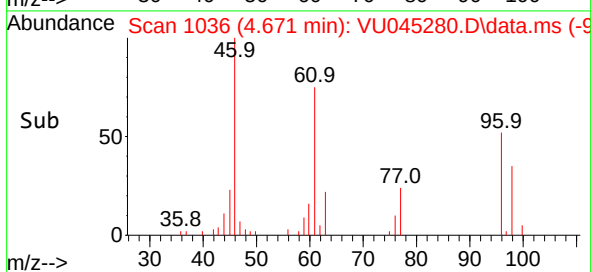
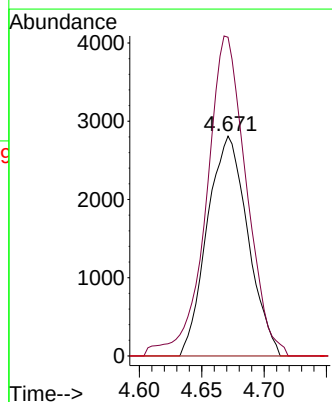
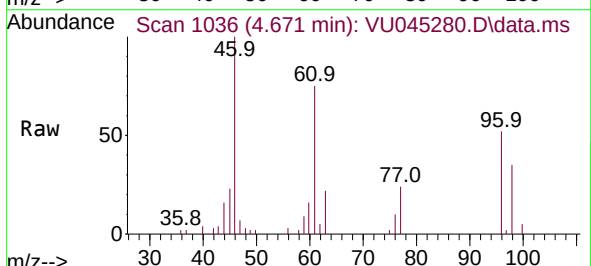
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

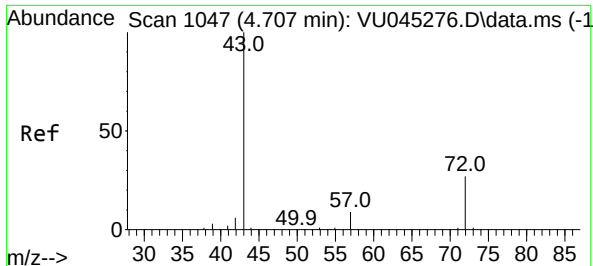
Tgt Ion:	63	Resp:	11276
Ion	Ratio	Lower	Upper
63	100		
65	30.7	22.0	40.8
83	13.4	9.0	16.6



#20
cis-1,2-Dichloroethene
Concen: 2.671 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: 4.080 ug/L

RT: 4.713 min Scan# 1049

Delta R.T. 0.006 min

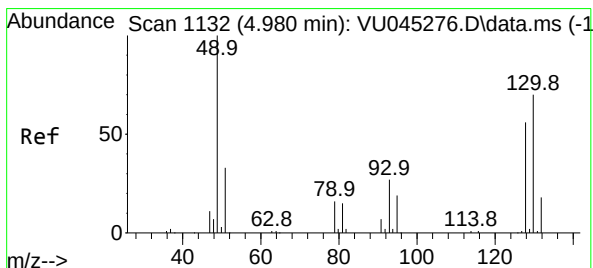
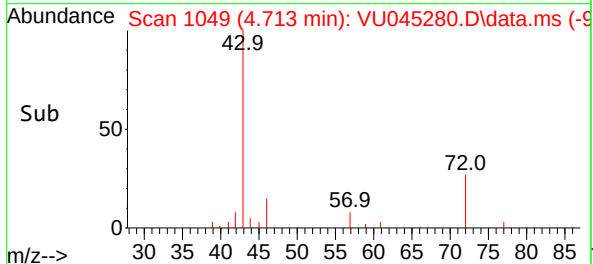
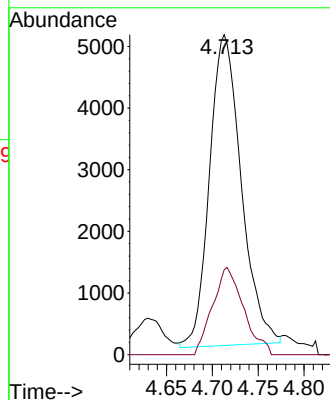
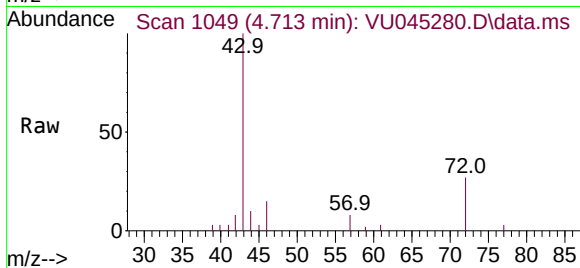
Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

Tgt Ion: 43 Resp: 12127

Ion Ratio Lower Upper

43	100		
72	27.4	13.3	39.9



#23

Bromochloromethane

Concen: 2.633 ug/L

RT: 4.976 min Scan# 1131

Delta R.T. -0.003 min

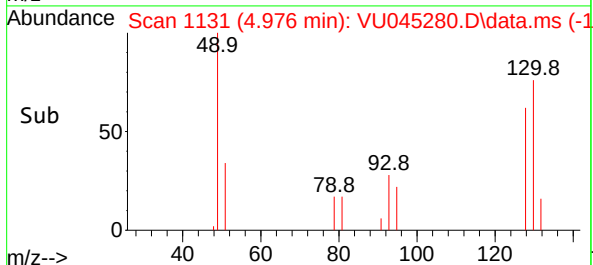
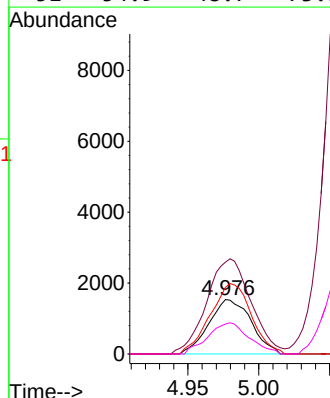
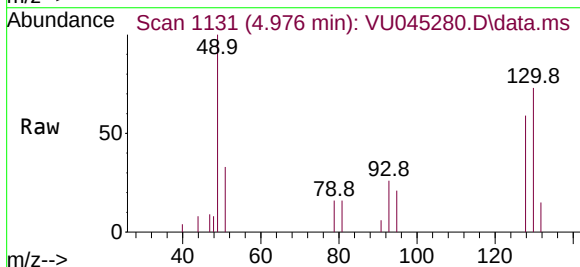
Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

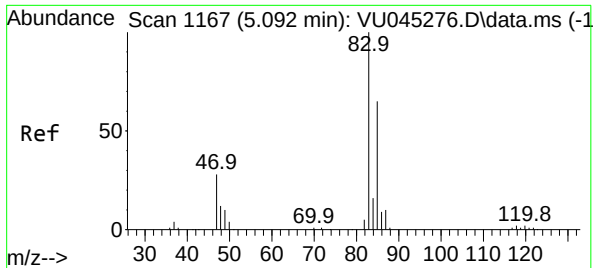
Tgt Ion: 128 Resp: 3186

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



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



#25

Chloroform

Concen: 3.228 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 :

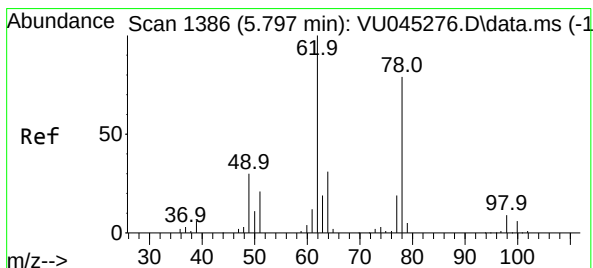
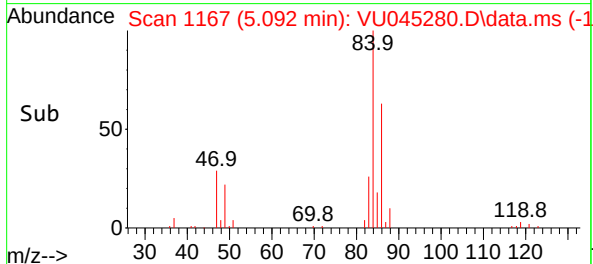
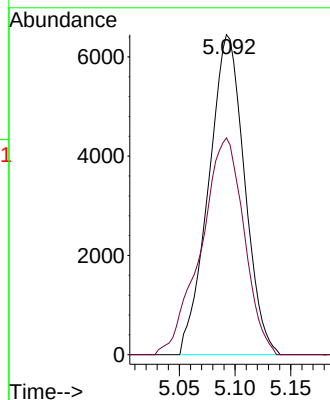
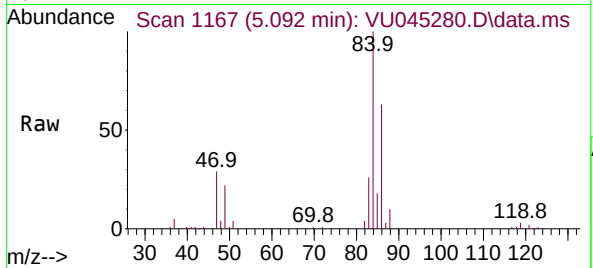
MDL-MED-SOIL-QT4-2021-07

Tgt Ion: 83 Resp: 14457

Ion Ratio Lower Upper

83 100

85 67.8 45.6 84.6



#27

1,2-Dichloroethane

Concen: 2.613 ug/L

RT: 5.796 min Scan# 1386

Delta R.T. -0.000 min

Lab File: VU045280.D

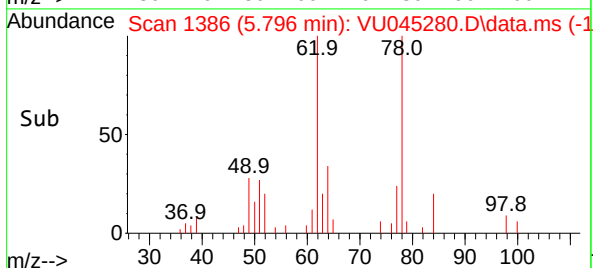
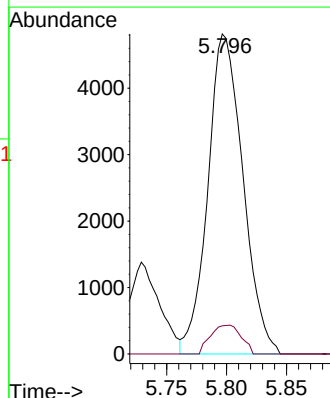
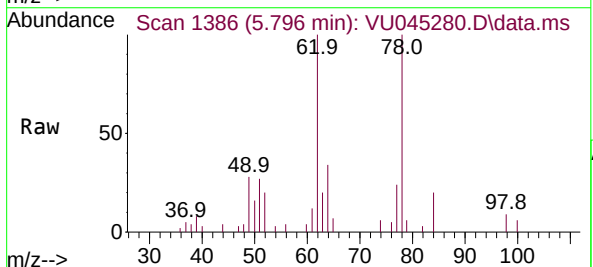
Acq: 11 Oct 2021 14:08

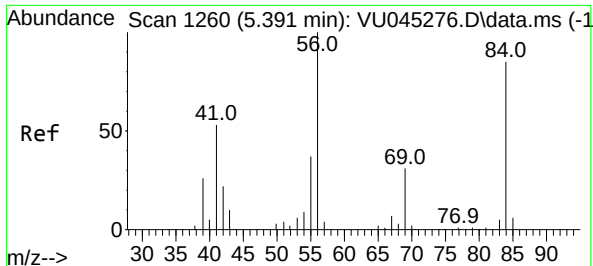
Tgt Ion: 62 Resp: 9788

Ion Ratio Lower Upper

62 100

98 8.8 7.1 10.7





#29

Cyclohexane

Concen: 2.435 ug/L

RT: 5.391 min Scan# 1260

Delta R.T. -0.000 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

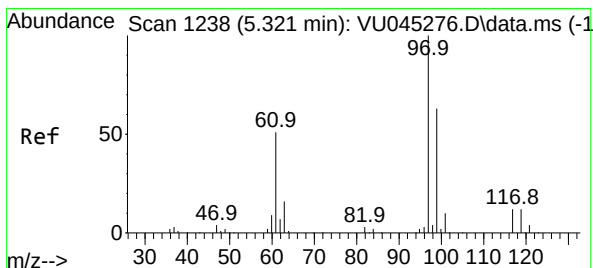
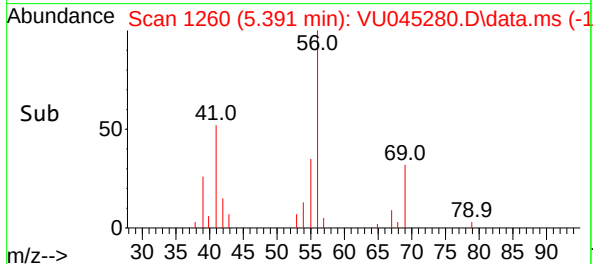
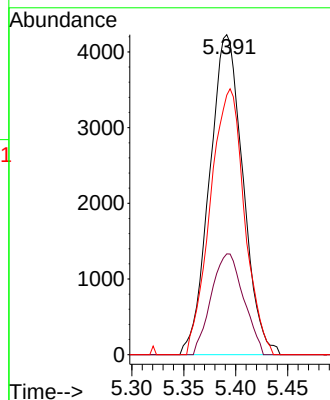
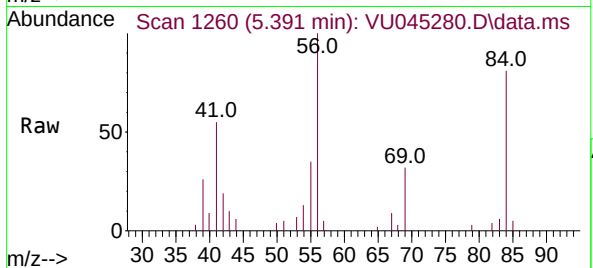
Instrument :

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: 2.473 ug/L

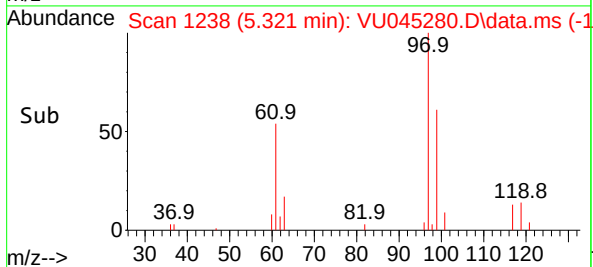
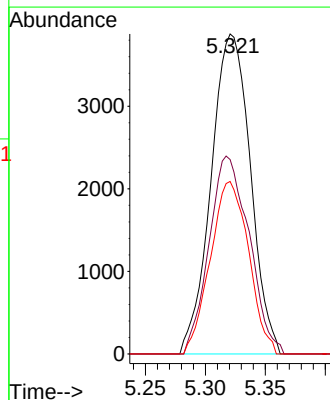
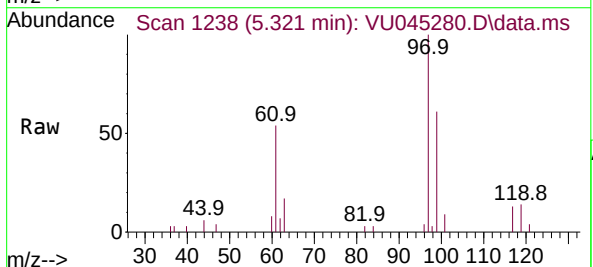
RT: 5.321 min Scan# 1238

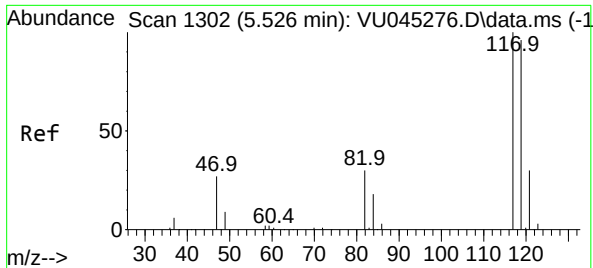
Delta R.T. -0.000 min

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

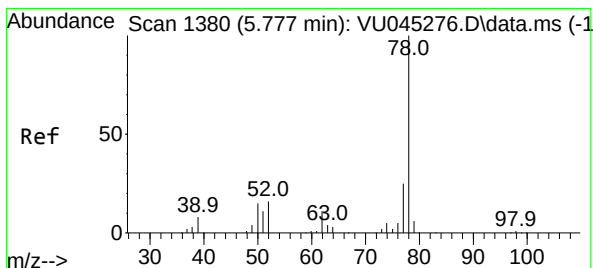
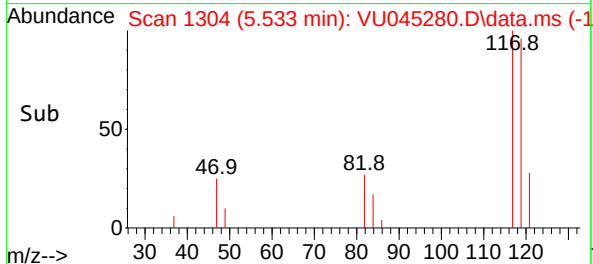
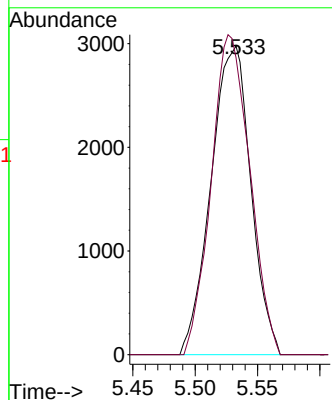
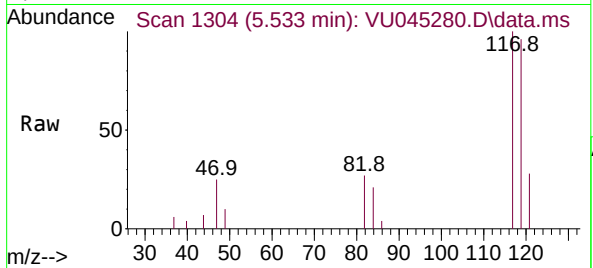




#31
Carbon tetrachloride
Concen: 2.343 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. 0.006 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

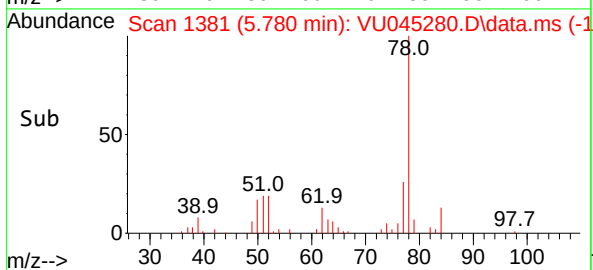
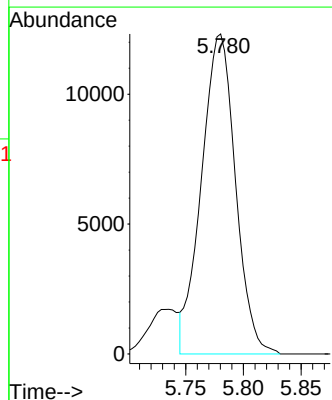
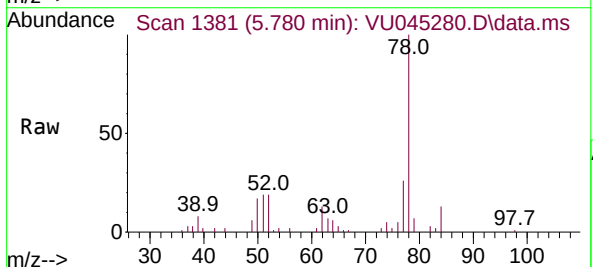
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

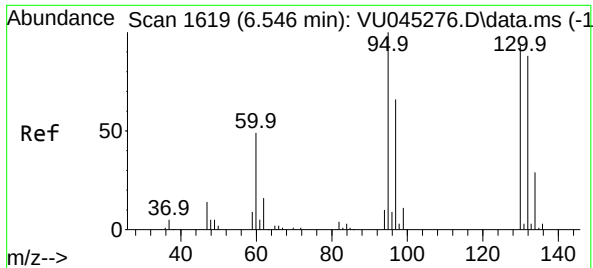
Tgt Ion:117 Resp: 6620
Ion Ratio Lower Upper
117 100
119 100.4 77.7 116.5



#33
Benzene
Concen: 2.633 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



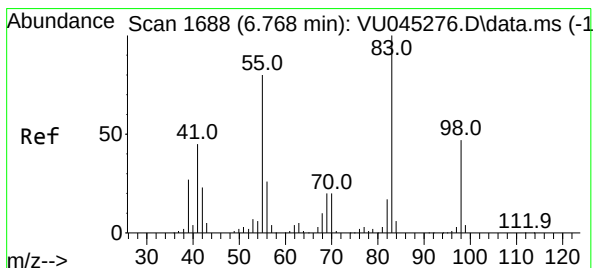
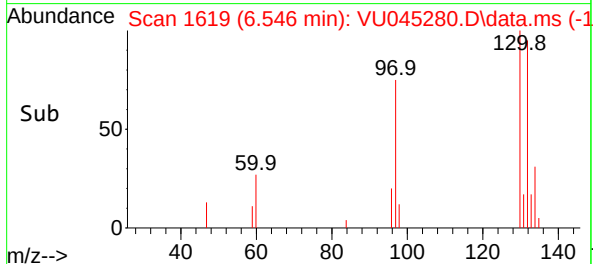
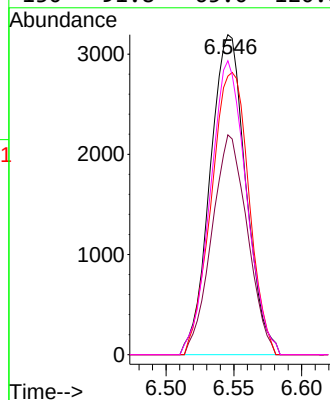
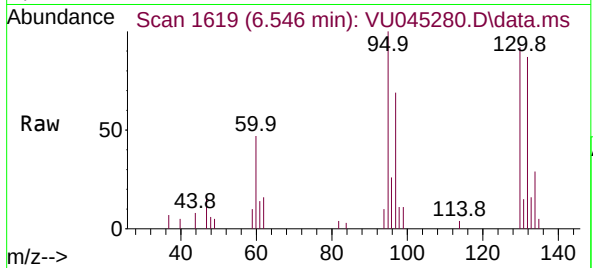


#34
Trichloroethene
Concen: 2.543 ug/L
RT: 6.546 min Scan# 1619
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

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

Tgt Ion: 95 Resp: 5854

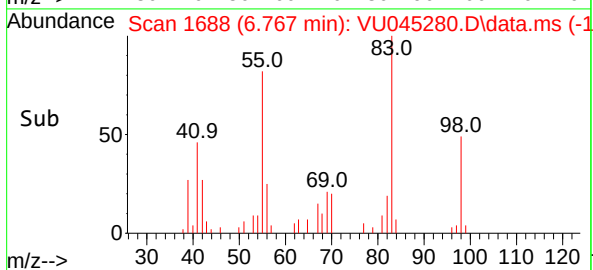
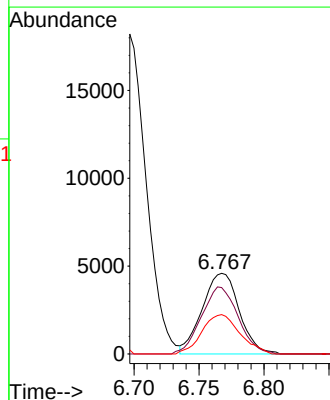
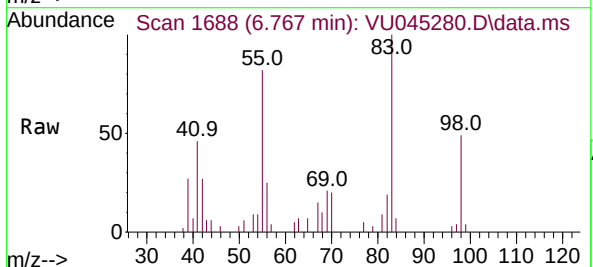
Ion	Ratio	Lower	Upper
95	100		
97	68.7	44.4	82.4
132	87.1	62.9	116.9
130	91.8	65.0	120.8

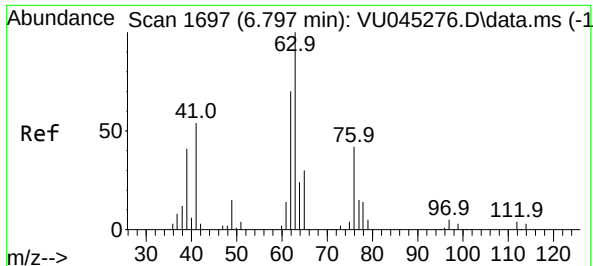


#35
Methylcyclohexane
Concen: 2.364 ug/L
RT: 6.767 min Scan# 1688
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

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



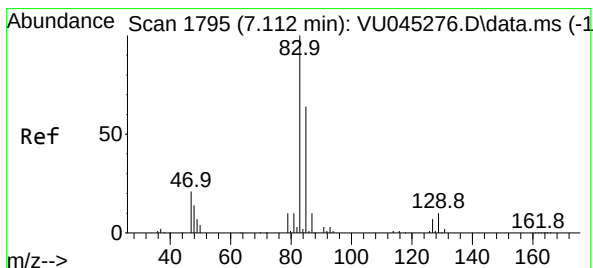
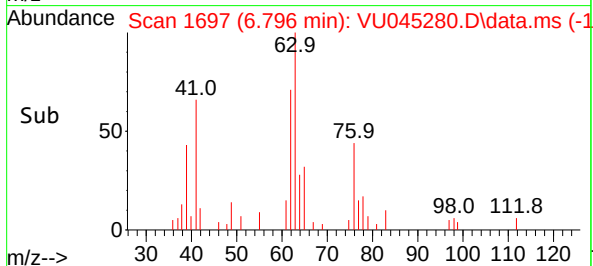
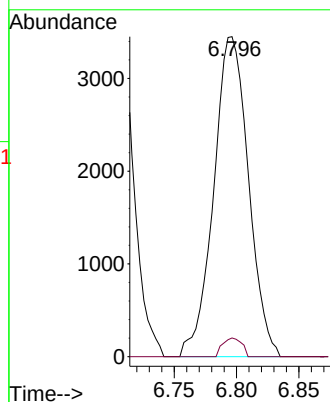
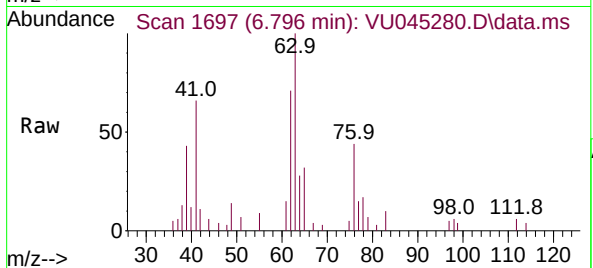


#37

1,2-Dichloropropane
Concen: 2.574 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 :
MDL-MED-SOIL-QT4-2021-07

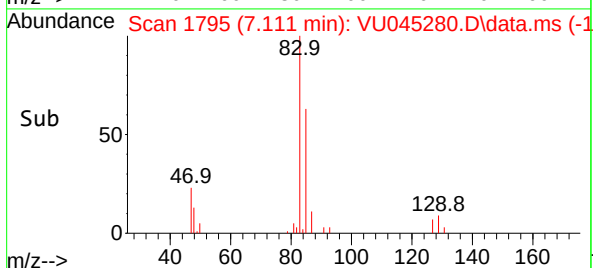
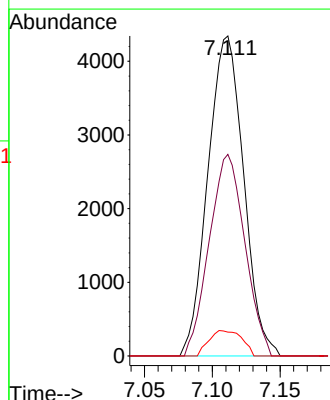
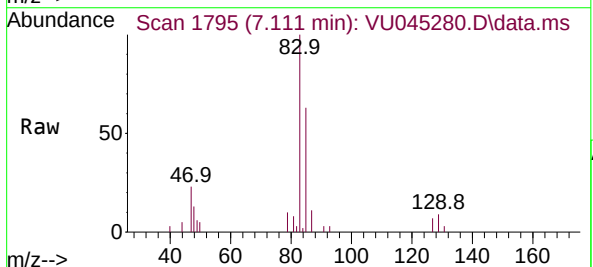
Tgt Ion: 63 Resp: 6717
Ion Ratio Lower Upper
63 100
112 3.2 3.2 4.8

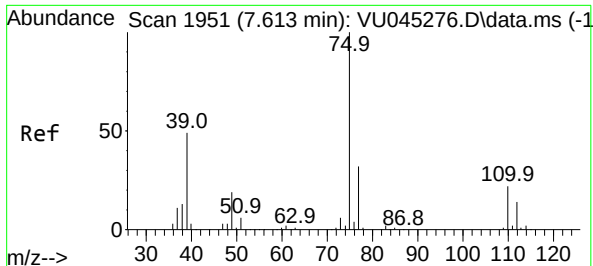


#38

Bromodichloromethane
Concen: 2.490 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

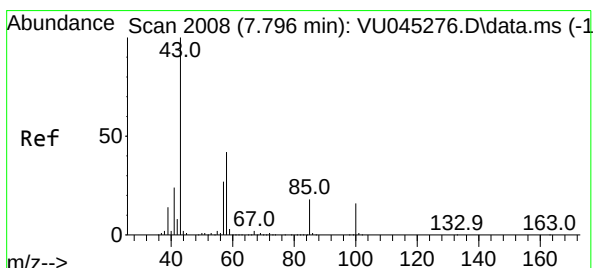
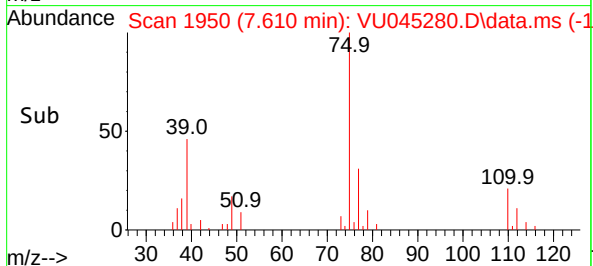
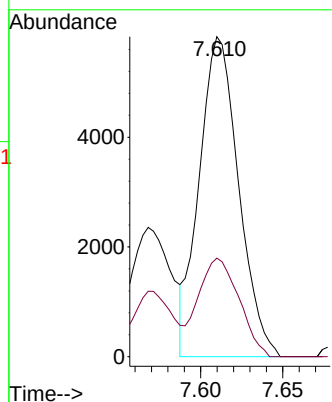
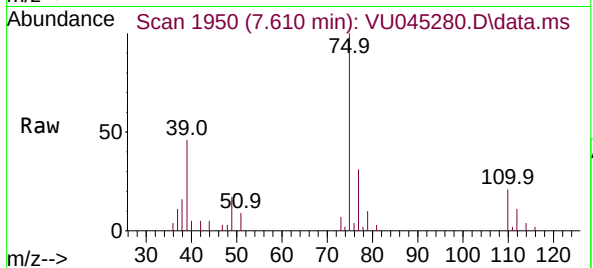




#39
 cis-1,3-Dichloropropene
 Concen: 2.607 ug/L
 RT: 7.610 min Scan# 1950
 Delta R.T. -0.003 min
 Lab File: VU045280.D
 Acq: 11 Oct 2021 14:08

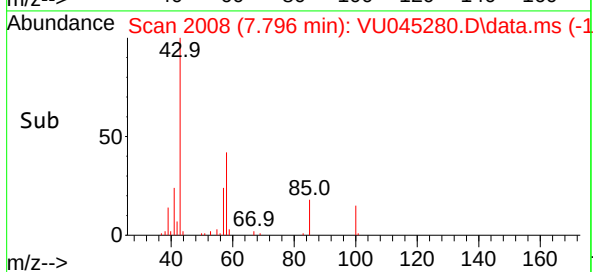
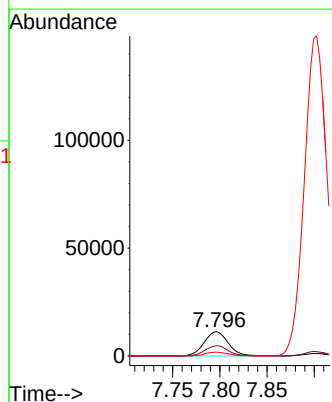
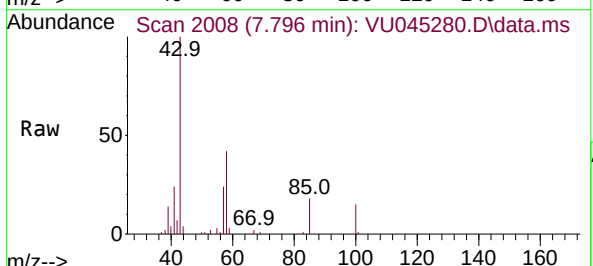
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT4-2021-07

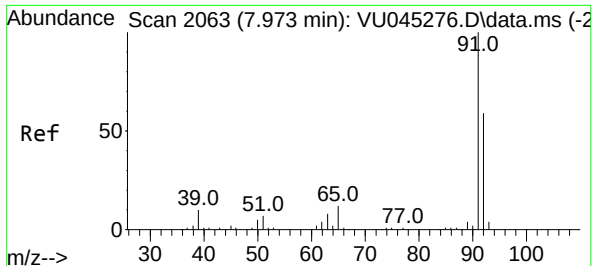
Tgt Ion: 75 Resp: 9731
 Ion Ratio Lower Upper
 75 100
 77 30.8 22.4 41.6



#40
 4-Methyl-2-pentanone
 Concen: 4.616 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

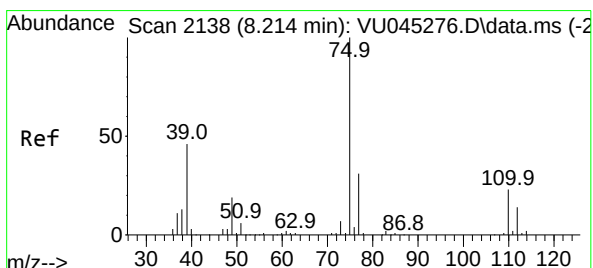
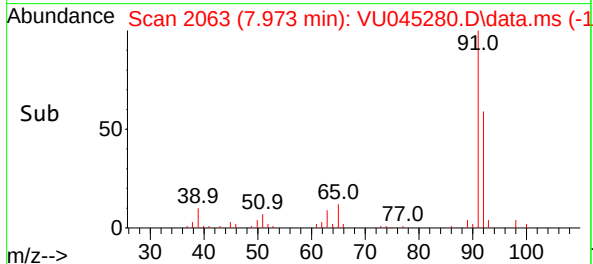
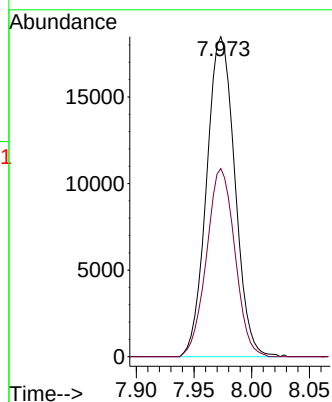
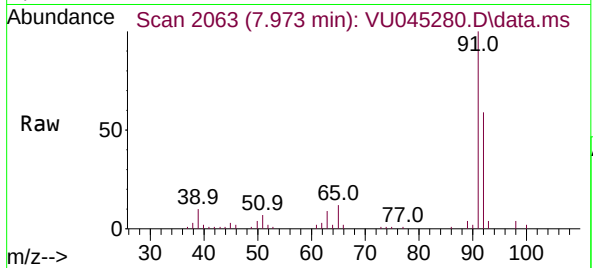




#42
Toluene
Concen: 3.234 ug/L
RT: 7.973 min Scan# 2063
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

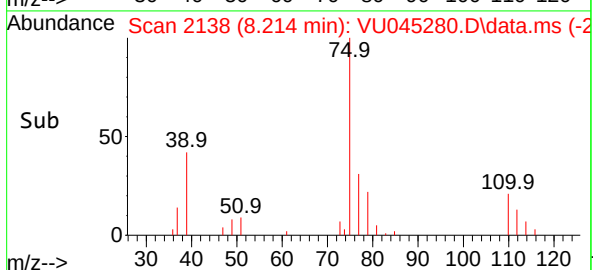
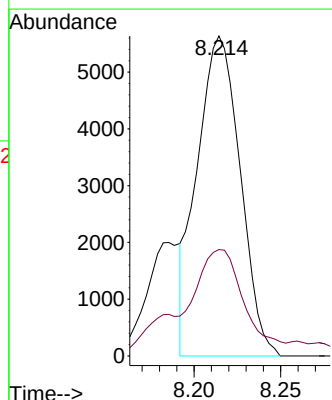
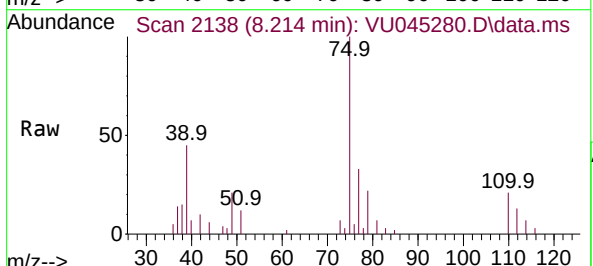
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

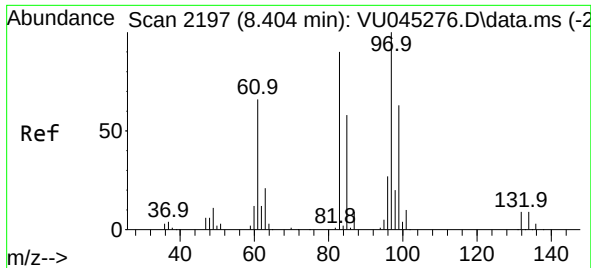
Tgt Ion: 91 Resp: 31492
Ion Ratio Lower Upper
91 100
92 58.8 40.5 75.1



#44
trans-1,3-Dichloropropene
Concen: 2.742 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

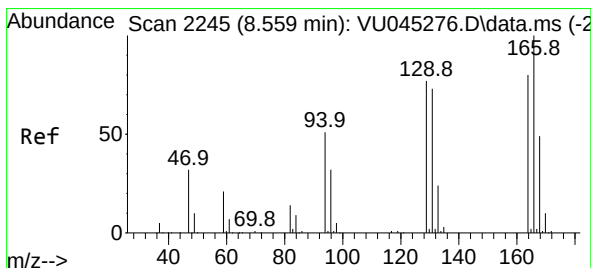
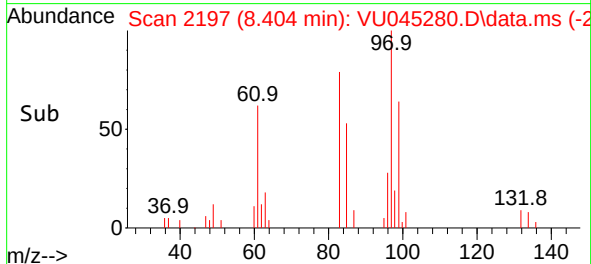
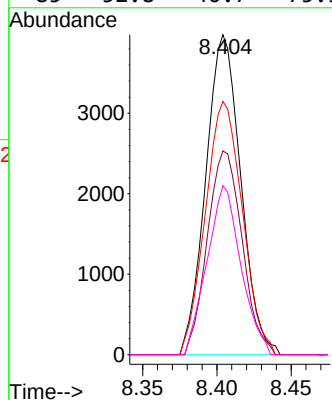
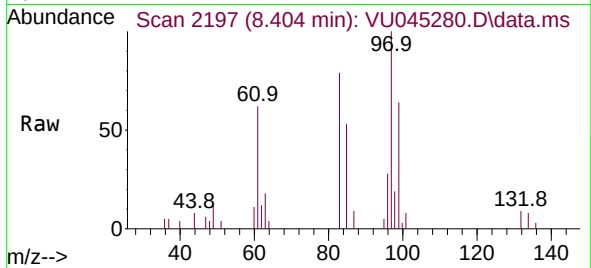




#45
1,1,2-Trichloroethane
Concen: 2.762 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

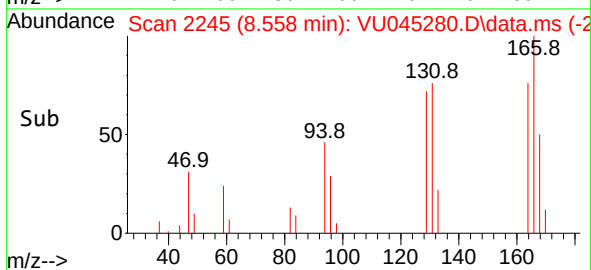
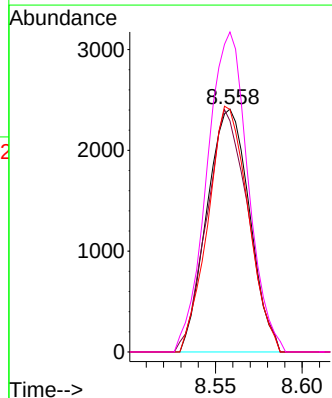
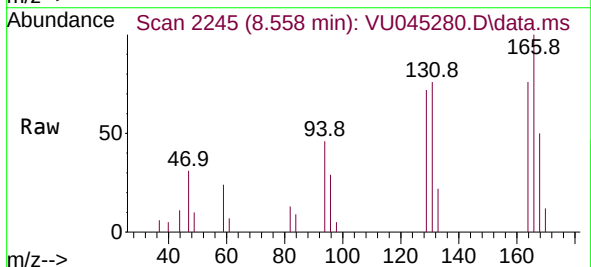
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

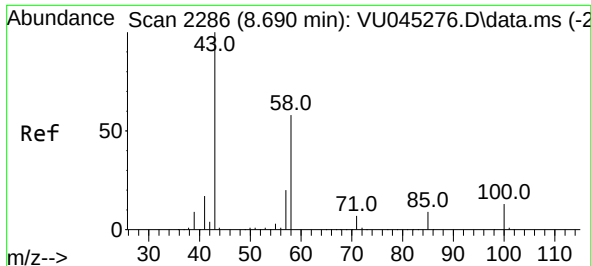
Tgt Ion:	97	Resp:	6531
Ion	Ratio	Lower	Upper
97	100		
99	63.7	43.7	81.1
83	79.2	61.9	115.1
85	52.8	40.7	75.5



#46
Tetrachloroethene
Concen: 2.499 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

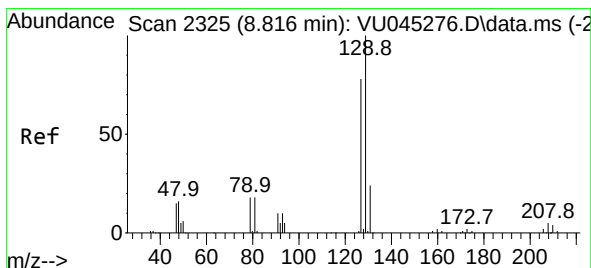
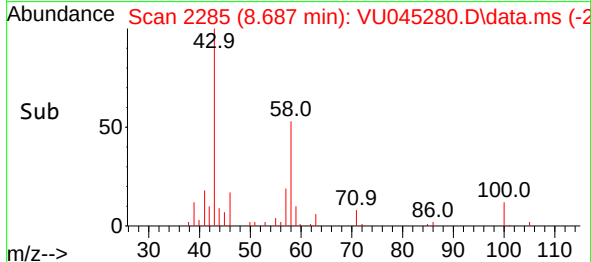
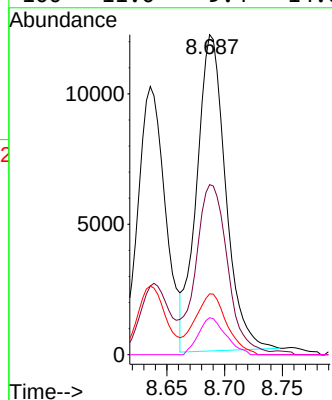
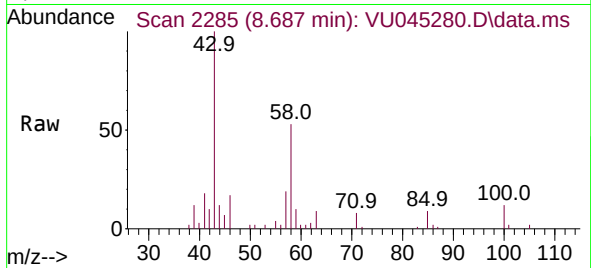




#48
2-Hexanone
Concen: 5.473 ug/L
RT: 8.687 min Scan# 2285
Delta R.T. -0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

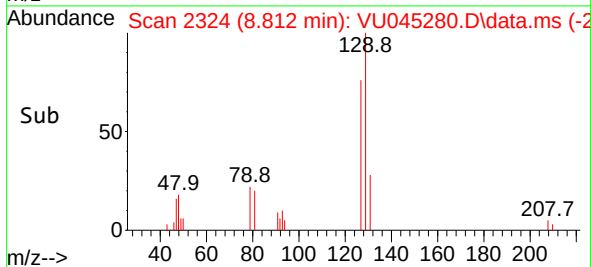
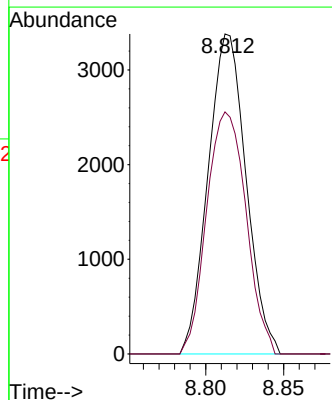
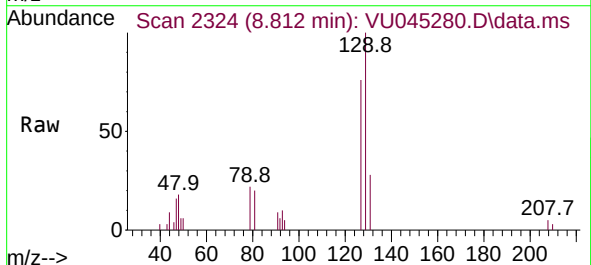
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

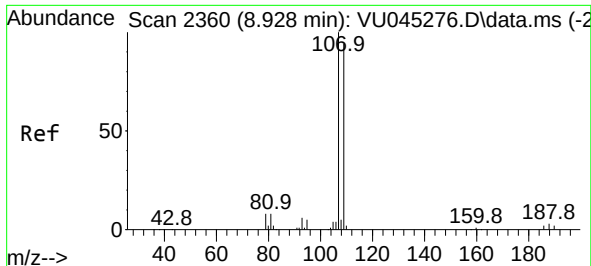
Tgt Ion:	43	Resp:	21154
Ion	Ratio	Lower	Upper
43	100		
58	58.8	44.9	67.3
57	21.2	15.5	23.3
100	11.0	9.4	14.0



#49
Dibromochloromethane
Concen: 2.447 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: 2.659 ug/L

RT: 8.928 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

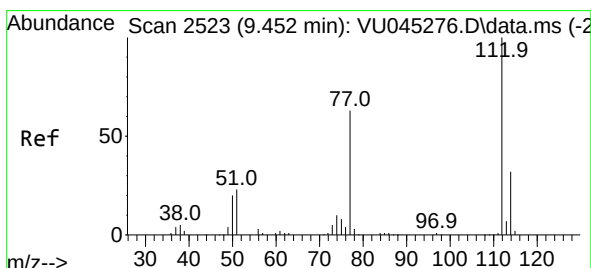
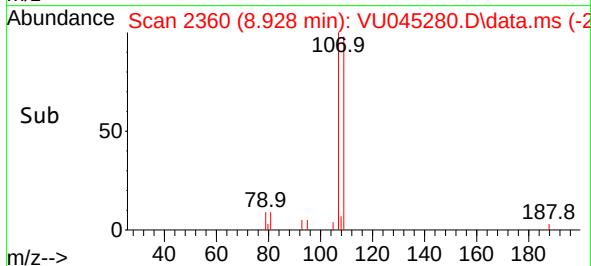
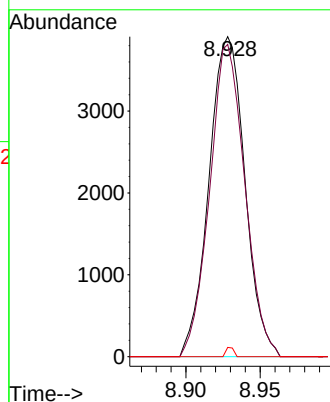
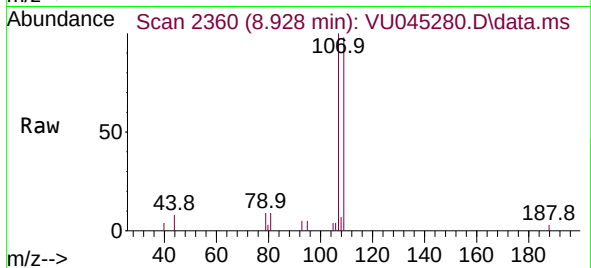
Instrument :

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: 2.609 ug/L

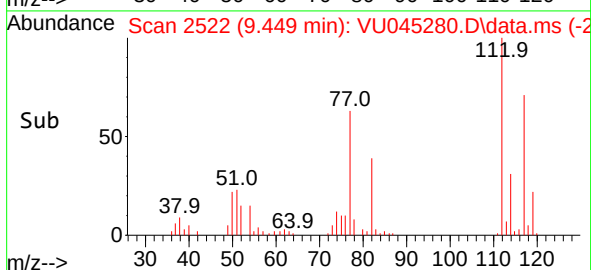
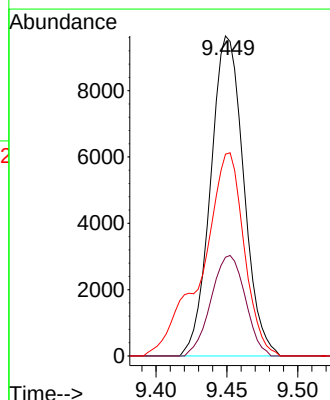
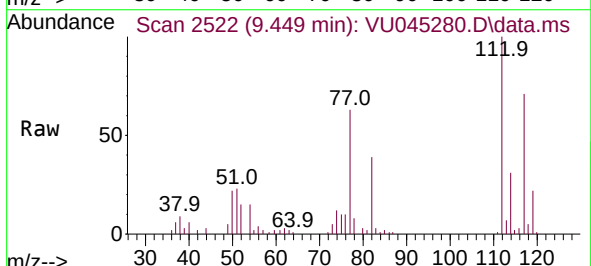
RT: 9.449 min Scan# 2522

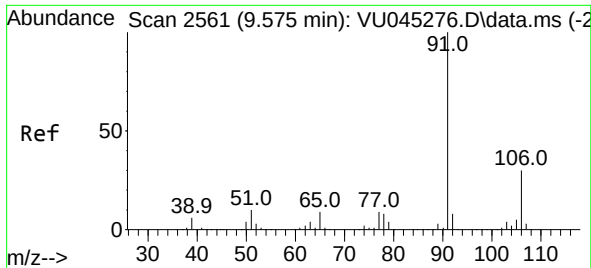
Delta R.T. -0.003 min

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

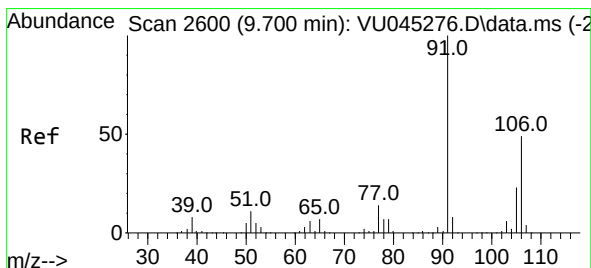
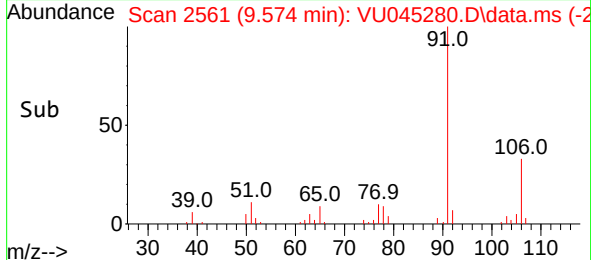
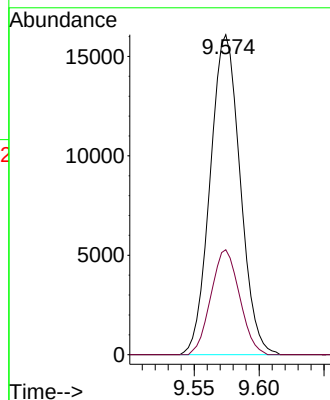
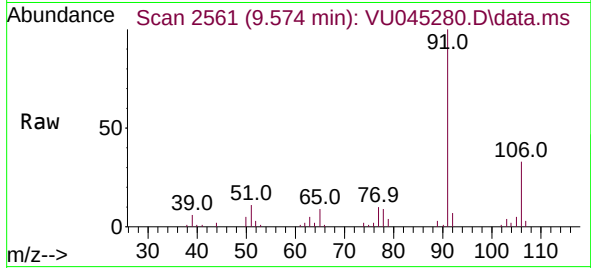




#52
Ethylbenzene
Concen: 2.509 ug/L
RT: 9.574 min Scan# 2561
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

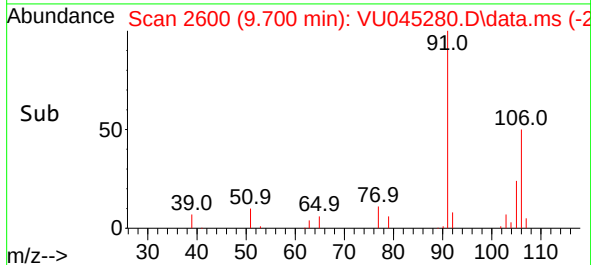
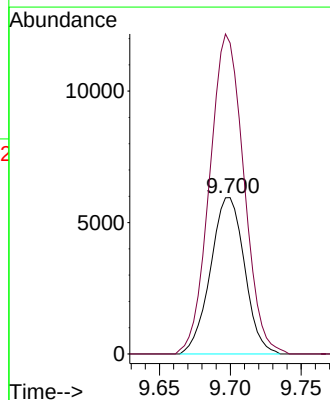
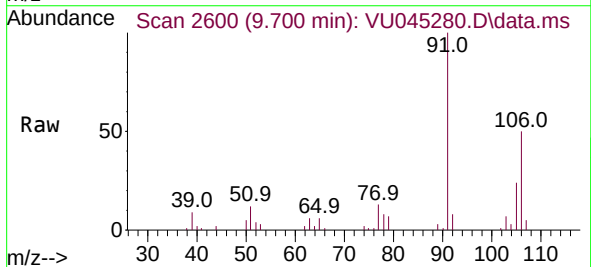
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

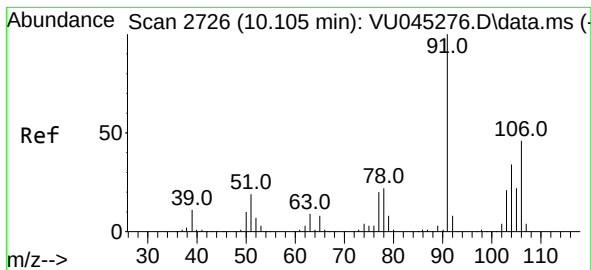
Tgt Ion: 91 Resp: 25811
Ion Ratio Lower Upper
91 100
106 35.6 21.2 39.4



#53
m,p-Xylene
Concen: 2.552 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: 2.462 ug/L

RT: 10.105 min Scan# 2726

Delta R.T. -0.000 min

Lab File: VU045280.D

Acq: 11 Oct 2021 14:08

Tgt Ion:106 Resp: 9428

Ion Ratio Lower Upper

106 100

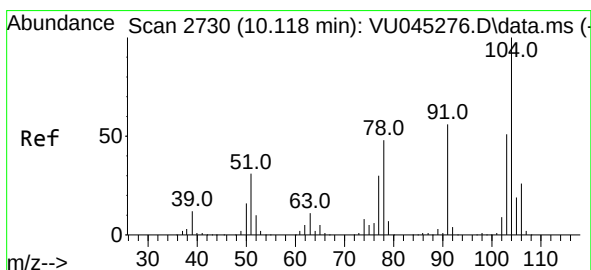
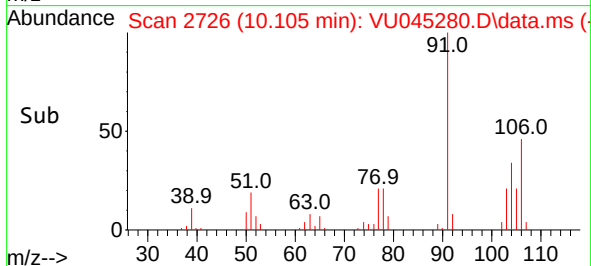
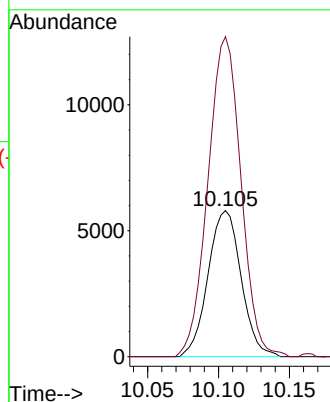
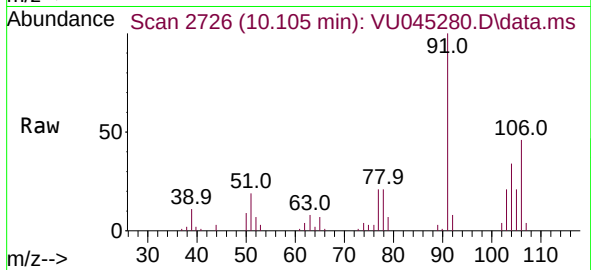
91 219.0 152.9 283.9

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT4-2021-07



#55

Styrene

Concen: 2.232 ug/L

RT: 10.118 min Scan# 2730

Delta R.T. -0.000 min

Lab File: VU045280.D

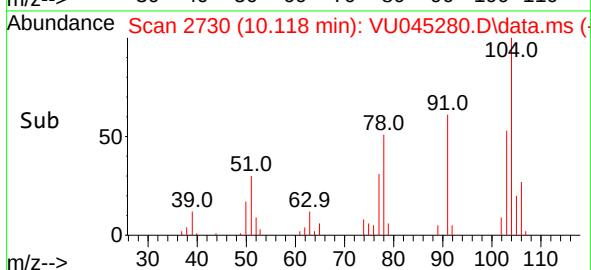
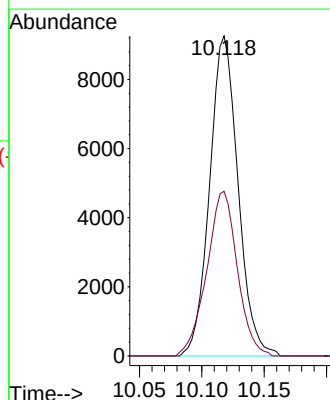
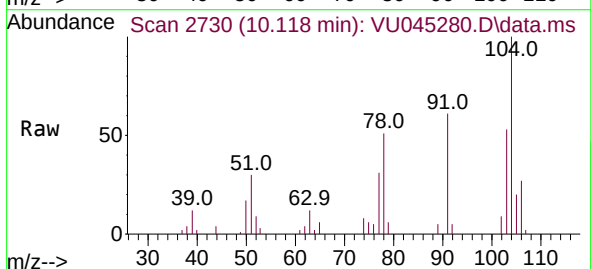
Acq: 11 Oct 2021 14:08

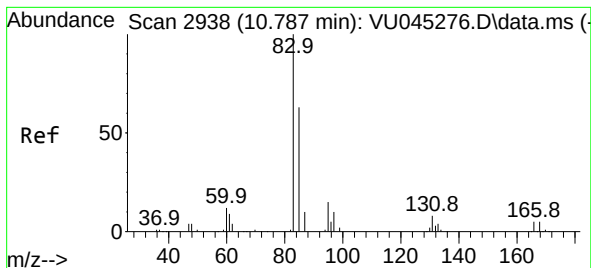
Tgt Ion:104 Resp: 14698

Ion Ratio Lower Upper

104 100

78 51.4 33.3 61.9

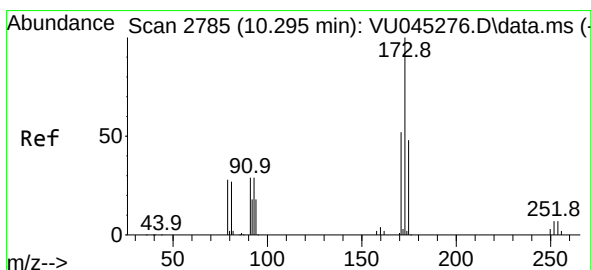
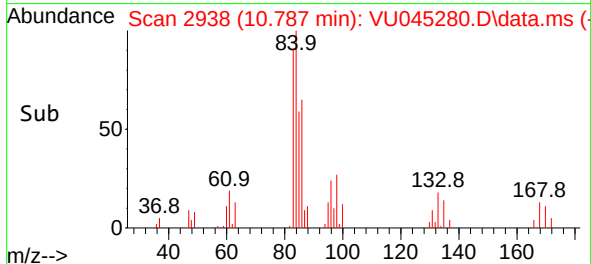
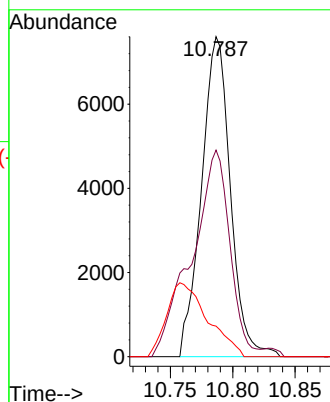
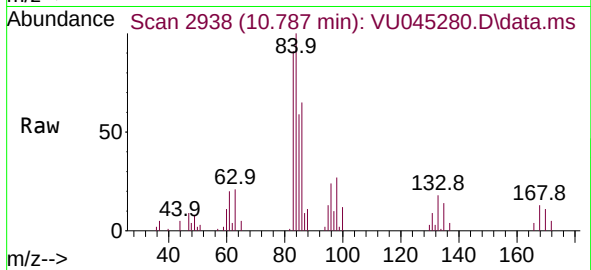




#57
1,1,2,2-Tetrachloroethane
Concen: 2.706 ug/L
RT: 10.787 min Scan# 2938
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

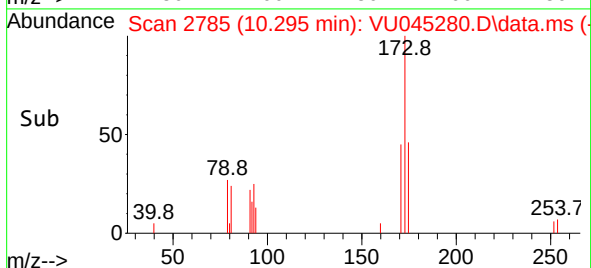
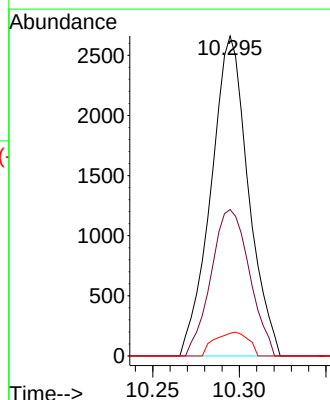
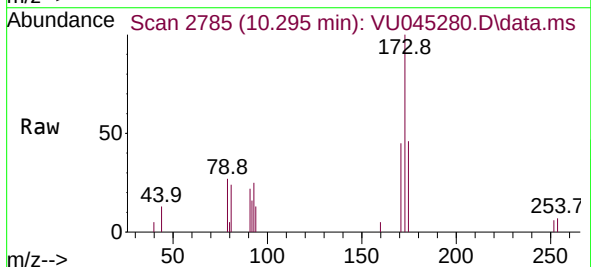
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

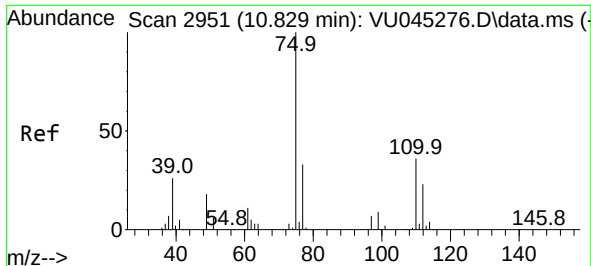
Tgt Ion:	83	Resp:	12250
Ion	Ratio	Lower	Upper
83	100		
85	64.6	45.1	83.7
131	9.5	6.9	10.3



#59
Bromoform
Concen: 2.738 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

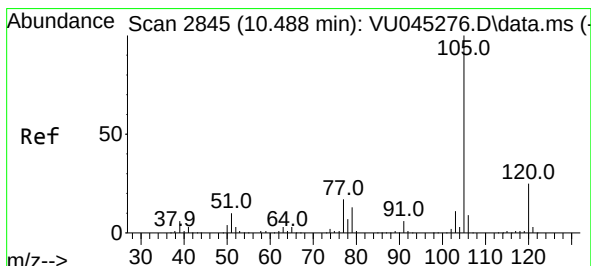
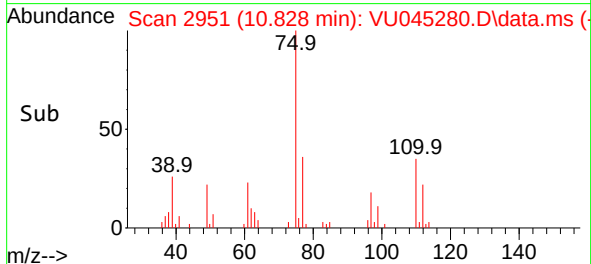
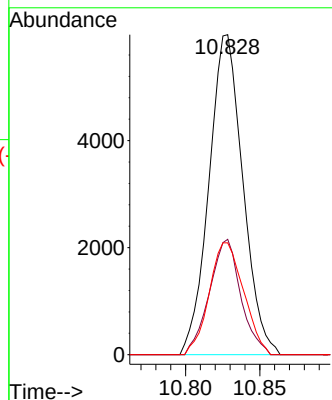
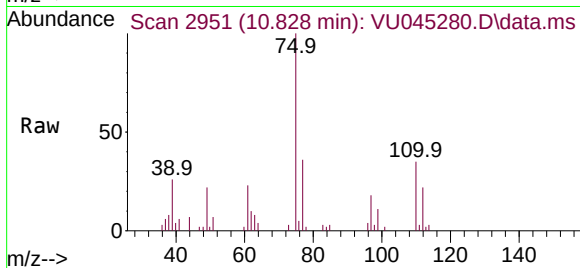




#60
1,2,3-Trichloropropane
Concen: 2.931 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

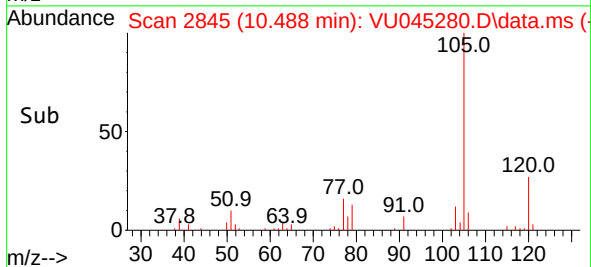
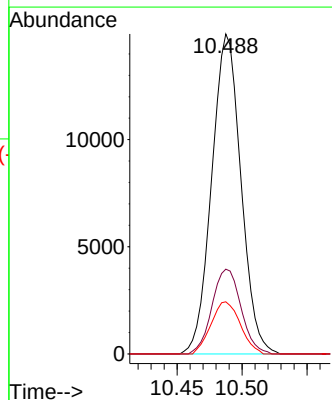
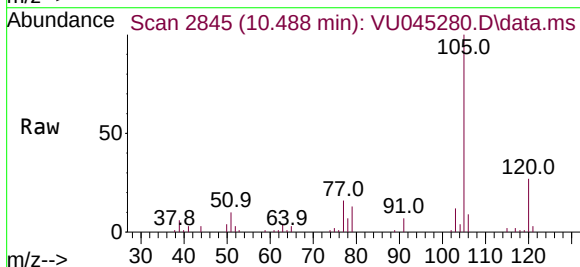
Instrument :
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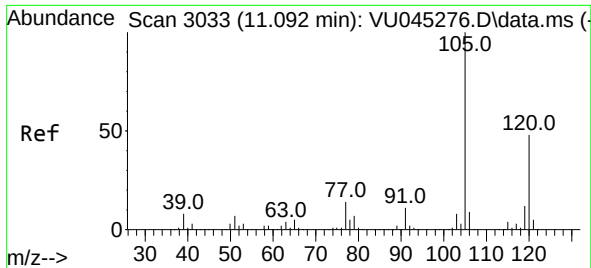
Tgt Ion:	75	Resp:	9498
Ion	Ratio	Lower	Upper
75	100		
77	33.3	25.5	38.3
110	35.4	29.0	43.4



#61
Isopropylbenzene
Concen: 2.720 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

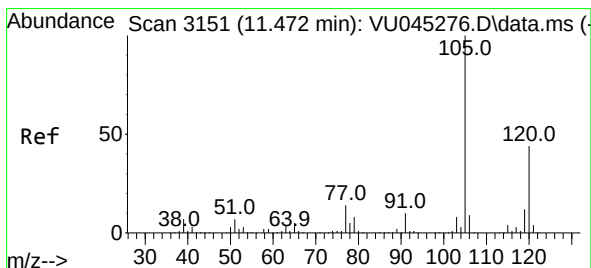
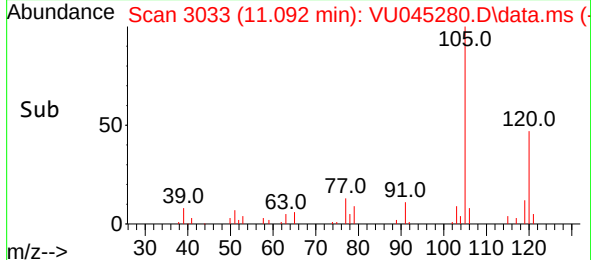
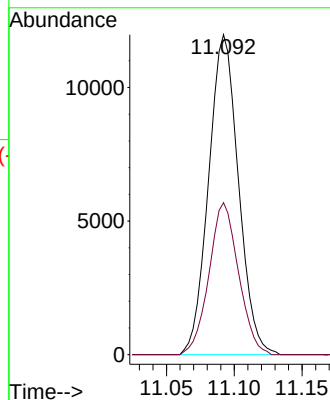
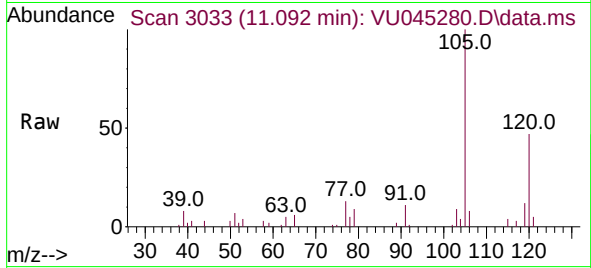




#62
1,3,5-Trimethylbenzene
Concen: 2.561 ug/L
RT: 11.092 min Scan# 3033
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

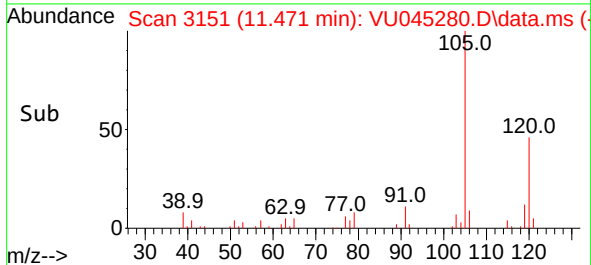
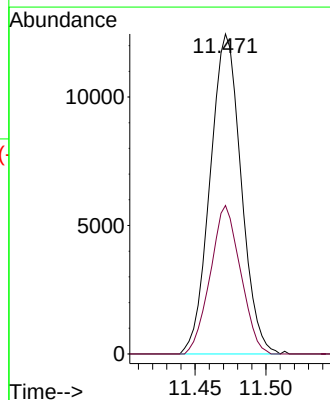
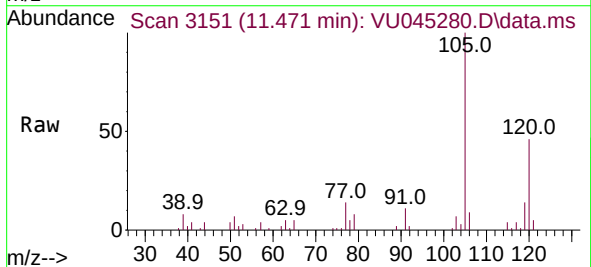
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT4-2021-07

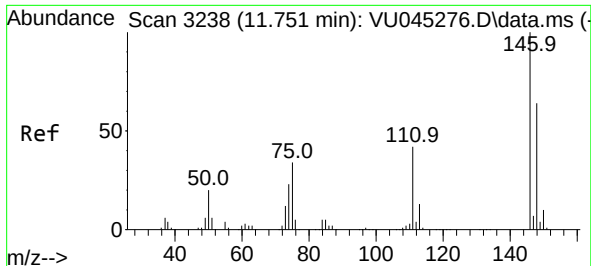
Tgt Ion:105 Resp: 18339
Ion Ratio Lower Upper
105 100
120 47.0 38.8 58.2



#63
1,2,4-Trimethylbenzene
Concen: 2.583 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

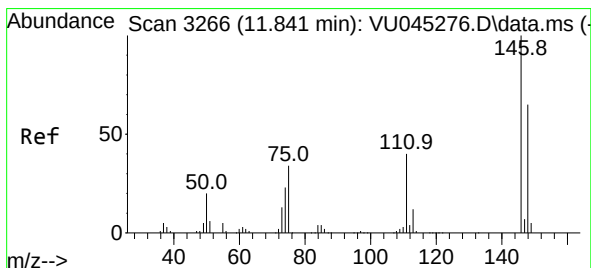
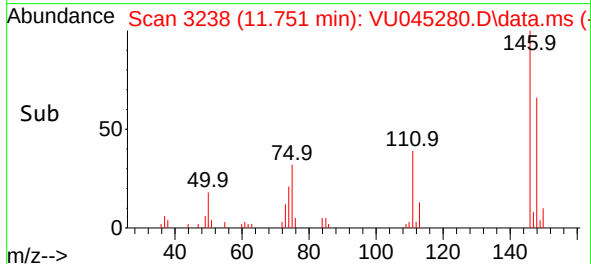
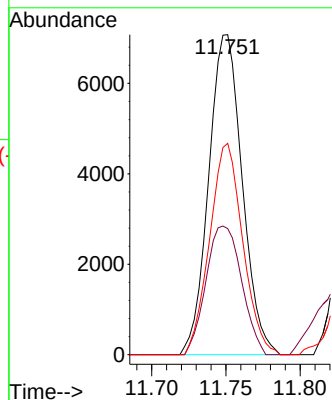
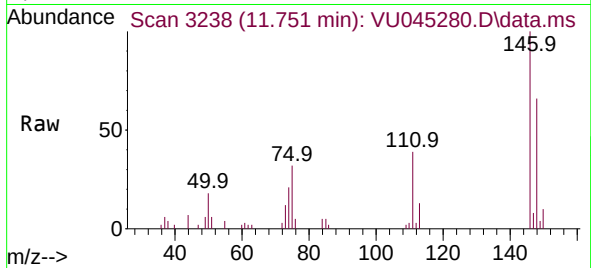




#64
1,3-Dichlorobenzene
Concen: 2.809 ug/L
RT: 11.751 min Scan# 3238
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

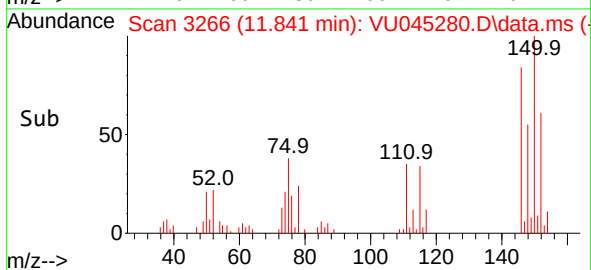
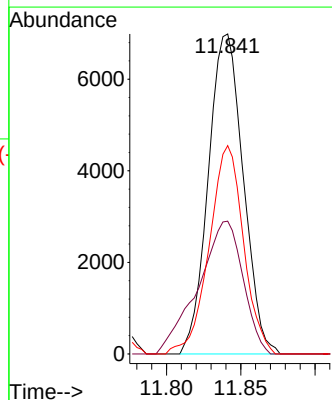
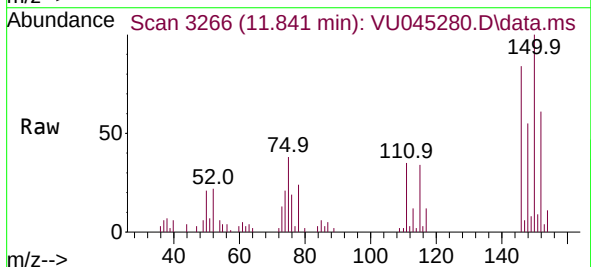
Instrument :
MSVOA_U
ClientSampleId :
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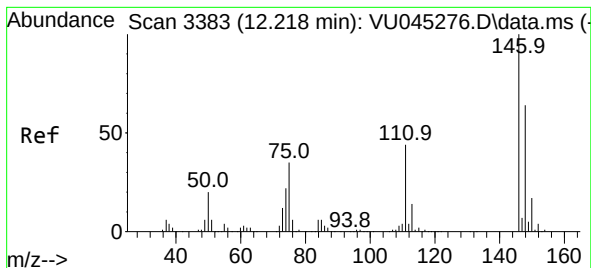
Tgt Ion:146 Resp: 11131
Ion Ratio Lower Upper
146 100
111 39.4 29.0 53.8
148 66.0 44.8 83.2



#65
1,4-Dichlorobenzene
Concen: 2.811 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

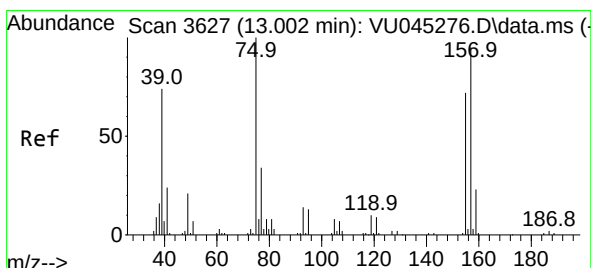
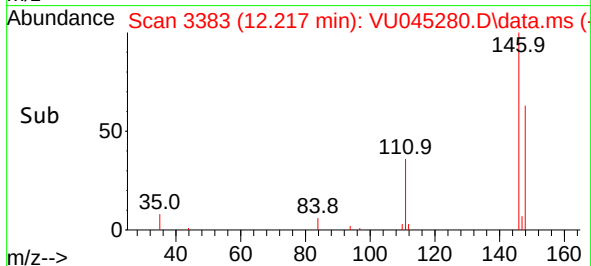
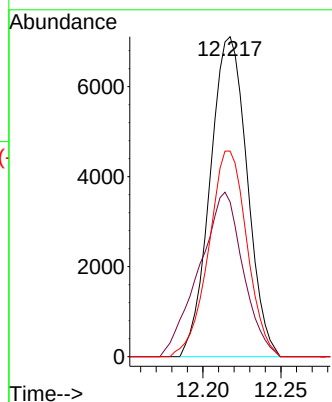
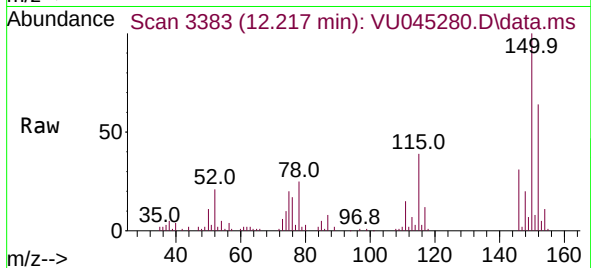




#67
1,2-Dichlorobenzene
Concen: 2.885 ug/L
RT: 12.217 min Scan# 3383
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

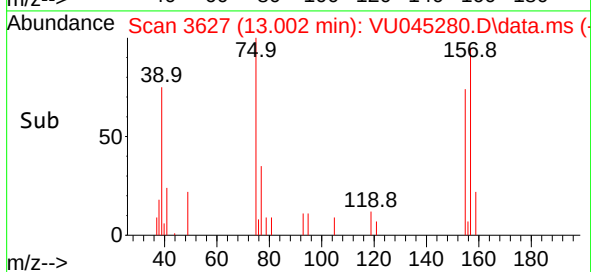
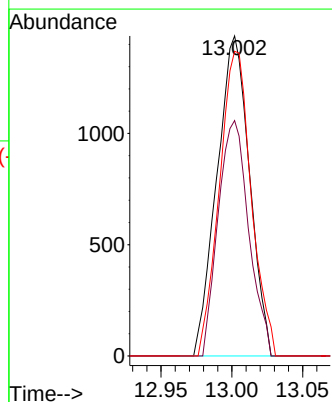
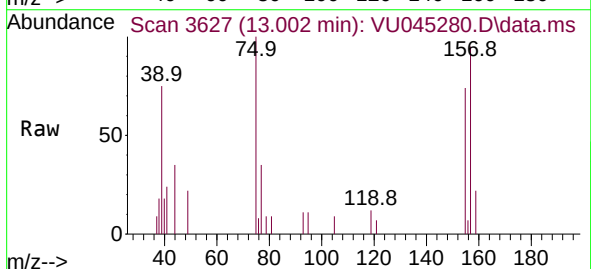
Instrument :
MSVOA_U
ClientSampleId :
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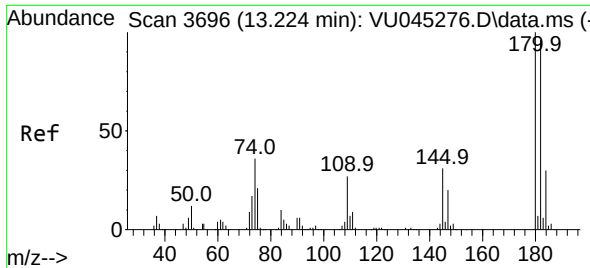
Tgt Ion:146 Resp: 11738
Ion Ratio Lower Upper
146 100
111 48.3 34.7 52.1
148 64.3 51.0 76.6



#68
1,2-Dibromo-3-chloropropane
Concen: 2.471 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

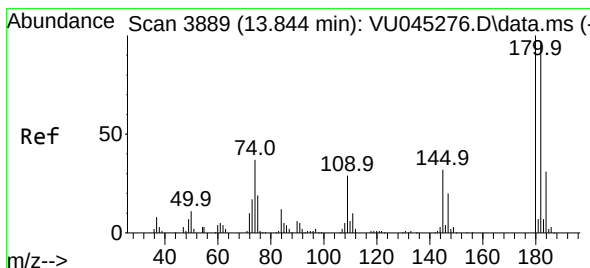
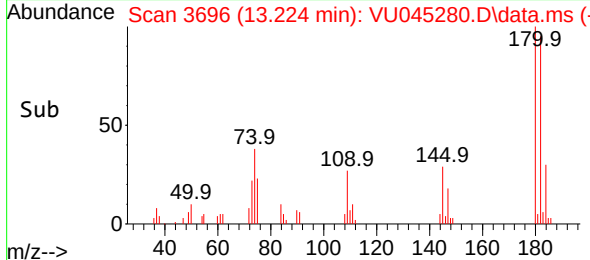
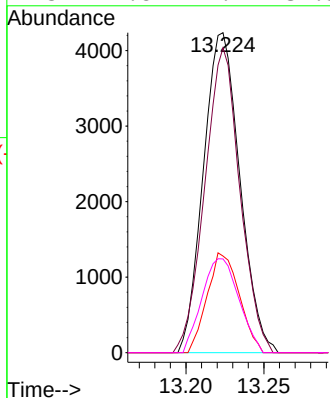
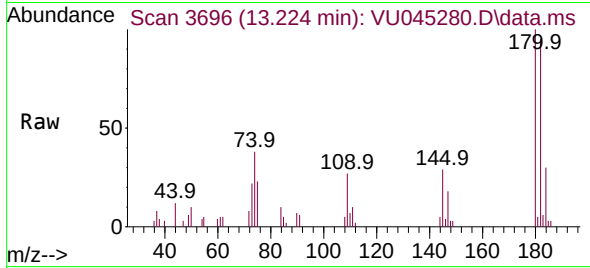




#69
1,3,5-Trichlorobenzene
Concen: 2.507 ug/L
RT: 13.224 min Scan# 3696
Delta R.T. -0.000 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

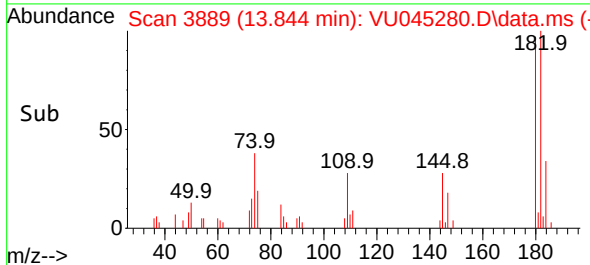
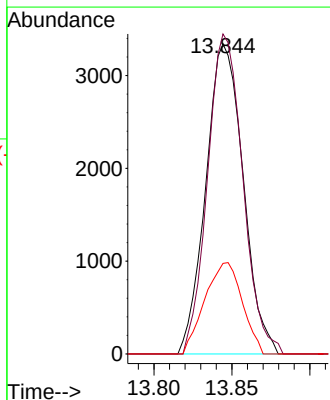
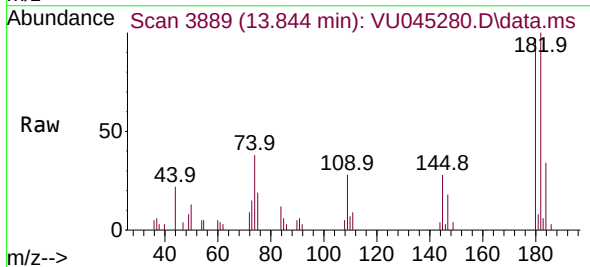
Instrument :
MSVOA_U
ClientSampleId :
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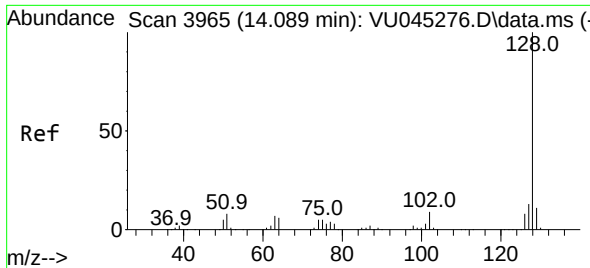
Tgt Ion:180 Resp: 6895
Ion Ratio Lower Upper
180 100
182 91.6 76.8 115.2
184 27.5 24.4 36.6
145 29.8 24.9 37.3



#70
1,2,4-trichlorobenzene
Concen: 2.433 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

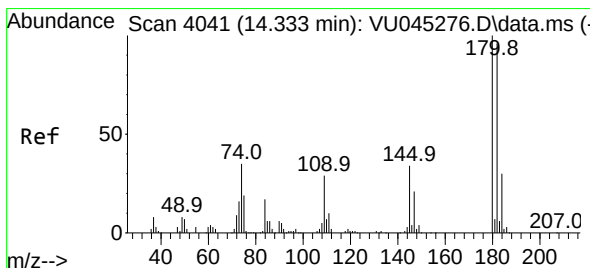
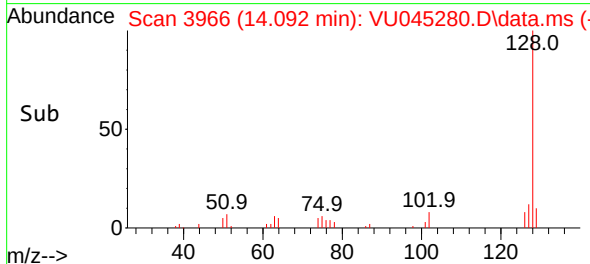
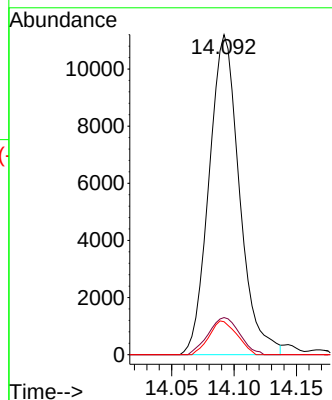
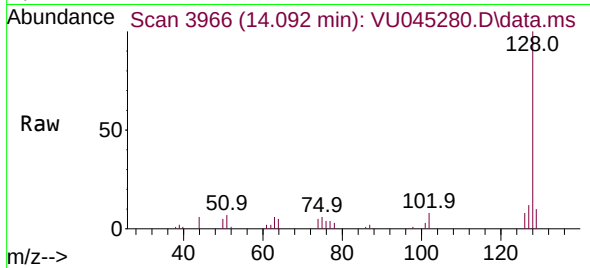




#71
Naphthalene
Concen: 2.404 ug/L
RT: 14.092 min Scan# 3966
Delta R.T. 0.003 min
Lab File: VU045280.D
Acq: 11 Oct 2021 14:08

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: 2.483 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

