

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022321\
 Data File : VU042415.D
 Acq On : 23 Feb 2021 12:46
 Operator : SY/MD
 Sample : M1344-05
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

Quant Time: Feb 24 03:53:11 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 03:51:21 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.256	114	200503	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.423	117	189883	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.819	152	95745	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68793	45.59	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	91.18%		
7) Chloroethane-d5	1.919	69	56409	54.51	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	109.02%		
11) 1,1-Dichloroethene-d2	2.572	63	121937	37.86	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	75.72%		
21) 2-Butanone-d5	4.639	46	163377	104.65	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	104.65%		
24) Chloroform-d	5.073	84	150557	49.68	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.36%		
26) 1,2-Dichloroethane-d4	5.710	65	112544	52.49	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	104.98%		
32) Benzene-d6	5.735	84	274855	49.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	99.64%		
36) 1,2-Dichloropropane-d6	6.700	67	92994	50.47	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	100.94%		
41) Toluene-d8	7.906	98	256457	49.07	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	98.14%		
43) trans-1,3-Dichloroprop...	8.185	79	46927	48.98	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.96%		
47) 2-Hexanone-d5	8.645	63	103608	99.43	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	99.43%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	136054	49.59	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	99.18%		
66) 1,2-Dichlorobenzene-d4	12.201	152	101357	50.49	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.98%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.388	85	4037	2.40	ug/L	98
3) Chloromethane	1.523	50	3765	2.45	ug/L	92
5) Vinyl chloride	1.607	62	3954	2.60	ug/L #	68
6) Bromomethane	1.864	94	2336	2.74	ug/L	96
8) Chloroethane	1.938	64	2418	2.89	ug/L	93
9) Trichlorofluoromethane	2.144	101	6014	2.56	ug/L	96
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4139	2.94	ug/L	87
12) 1,1-Dichloroethene	2.588	96	3689	2.87	ug/L #	1
13) Acetone	2.649	43	5388	3.82	ug/L	98
14) Carbon disulfide	2.800	76	9021	2.33	ug/L	96
15) Methyl Acetate	2.961	43	5321	2.45	ug/L	98
16) Methylene chloride	3.054	84	3727	2.56	ug/L	94
17) trans-1,2-Dichloroethene	3.363	96	3264	2.43	ug/L	91
18) Methyl tert-butyl Ether	3.375	73	11788	2.44	ug/L	97
19) 1,1-Dichloroethane	3.880	63	6501	2.34	ug/L	93
20) cis-1,2-Dichloroethene	4.674	96	3467	2.30	ug/L	98
22) 2-Butanone	4.723	43	7033	3.85	ug/L #	74
23) Bromochloromethane	4.989	128	1898	2.37	ug/L	91
25) Chloroform	5.096	83	7029	2.49	ug/L	92

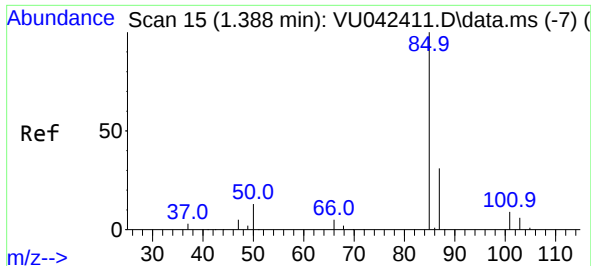
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022321\
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Quant Time: Feb 24 03:53:11 2021
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 Quant Title : VOC Analysis
 QLast Update : Wed Feb 24 03:51:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.803	62	6575	2.64	ug/L	99
29) Cyclohexane	5.401	56	5637	2.23	ug/L	92
30) 1,1,1-Trichloroethane	5.327	97	6262	2.41	ug/L	98
31) Carbon tetrachloride	5.533	117	4653	2.08	ug/L	100
33) Benzene	5.784	78	13986	2.41	ug/L	100
34) Trichloroethene	6.549	95	3629	2.39	ug/L	95
35) Methylcyclohexane	6.774	83	5232	2.23	ug/L	95
37) 1,2-Dichloropropane	6.796	63	3862	2.38	ug/L #	96
38) Bromodichloromethane	7.112	83	4853	2.22	ug/L	98
39) cis-1,3-Dichloropropene	7.616	75	5714	2.26	ug/L	99
40) 4-Methyl-2-pentanone	7.800	43	14957	4.66	ug/L	98
42) Toluene	7.973	91	14287	2.30	ug/L	98
44) trans-1,3-Dichloropropene	8.218	75	5504	2.21	ug/L	98
45) 1,1,2-Trichloroethane	8.407	97	3625	2.43	ug/L	92
46) Tetrachloroethene	8.558	164	2792	2.32	ug/L	93
48) 2-Hexanone	8.697	43	13931	5.36	ug/L #	98
49) Dibromochloromethane	8.819	129	4040	2.33	ug/L	87
50) 1,2-Dibromoethane	8.931	107	3822	2.29	ug/L #	92
51) Chlorobenzene	9.456	112	9292	2.36	ug/L	94
52) Ethylbenzene	9.578	91	15850	2.29	ug/L	95
53) m,p-Xylene	9.700	106	5842	2.27	ug/L	96
54) o-xylene	10.108	106	6103	2.38	ug/L	89
55) Styrene	10.121	104	8988	2.05	ug/L	94
57) 1,1,2,2-Tetrachloroethane	10.790	83	6186	2.28	ug/L #	88
59) Bromoform	10.298	173	2779	2.07	ug/L #	94
60) 1,2,3-Trichloropropane	10.828	75	5236	2.48	ug/L	98
61) Isopropylbenzene	10.491	105	14988	2.35	ug/L	99
62) 1,3,5-Trimethylbenzene	11.095	105	11923	2.16	ug/L	99
63) 1,2,4-Trimethylbenzene	11.475	105	11600	2.09	ug/L	96
64) 1,3-Dichlorobenzene	11.754	146	6983	2.32	ug/L	92
65) 1,4-Dichlorobenzene	11.844	146	8028	2.62	ug/L	87
67) 1,2-Dichlorobenzene	12.221	146	7390	2.39	ug/L #	87
68) 1,2-Dibromo-3-chloropr...	13.005	75	1539	2.19	ug/L	95
69) 1,3,5-Trichlorobenzene	13.227	180	5339	2.30	ug/L	96
70) 1,2,4-trichlorobenzene	13.848	180	3894	2.00	ug/L	96
71) Naphthalene	14.098	128	10401	1.70	ug/L	98
72) 1,2,3-Trichlorobenzene	14.340	180	4197	2.12	ug/L	98

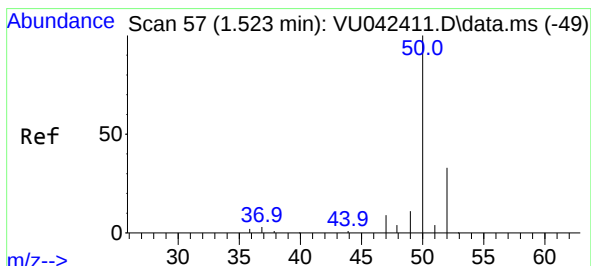
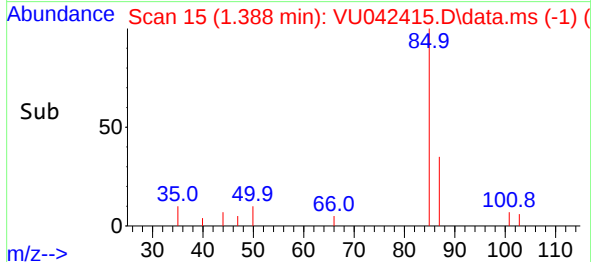
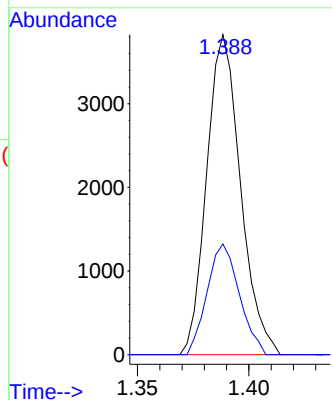
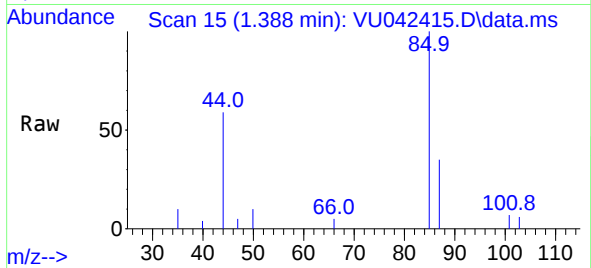
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.40 ug/L
RT: 1.388 min Scan# 15
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

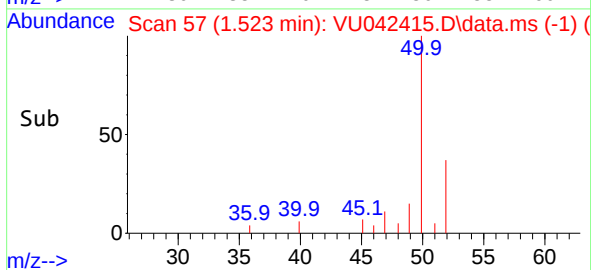
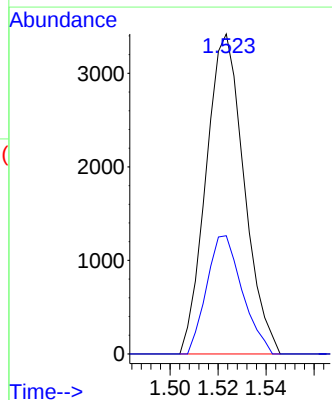
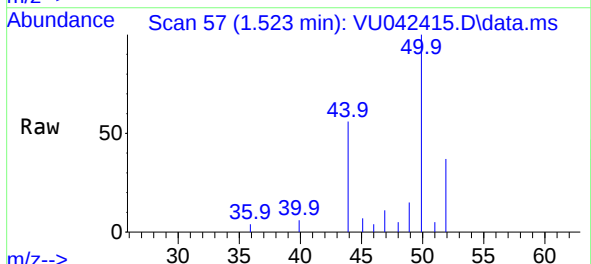
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

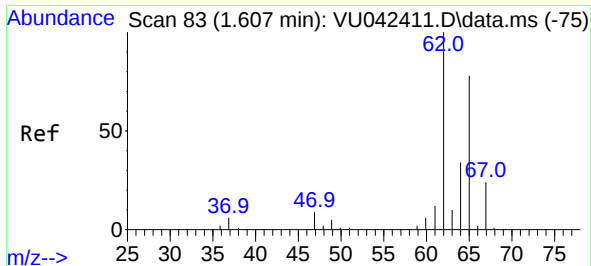
Tgt Ion: 85 Resp: 4037
Ion Ratio Lower Upper
85 100
87 32.9 25.4 38.2



#3
Chloromethane
Concen: 2.45 ug/L
RT: 1.523 min Scan# 57
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 50 Resp: 3765
Ion Ratio Lower Upper
50 100
52 36.9 22.8 42.4

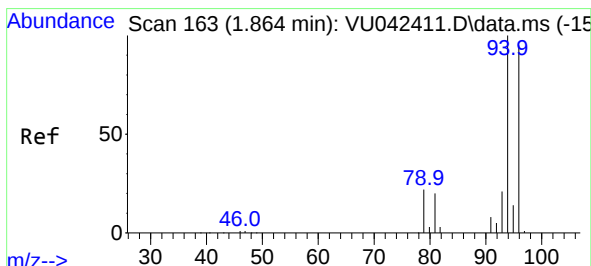
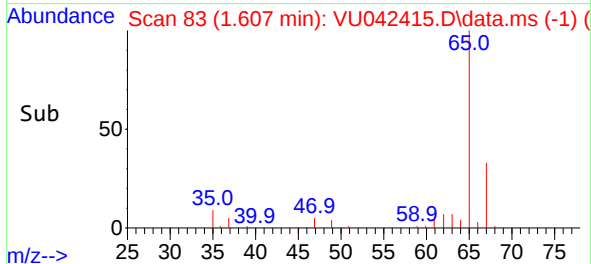
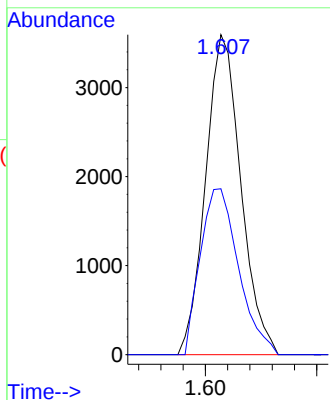
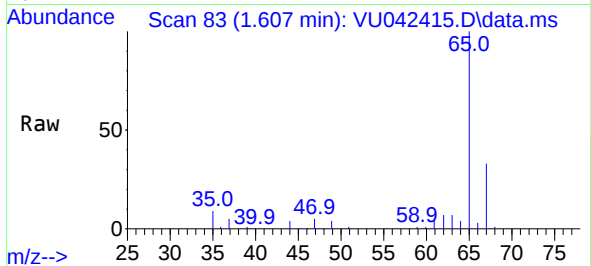




#5
 Vinyl chloride
 Concen: 2.60 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. 0.000 min
 Lab File: VU042415.D
 Acq: 23 Feb 2021 12:46

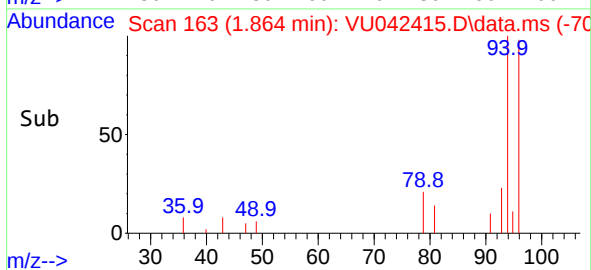
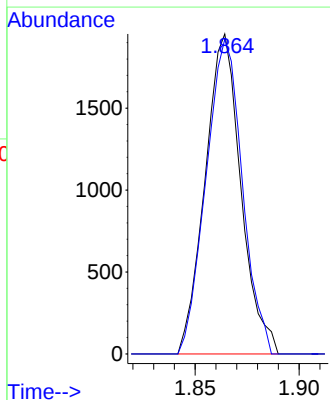
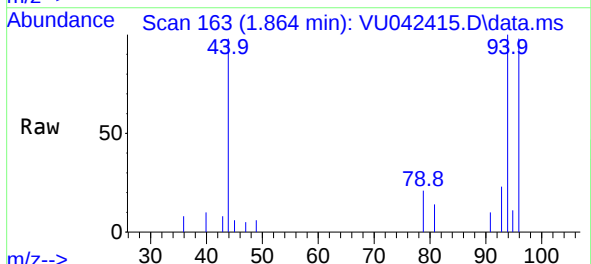
Instrument :
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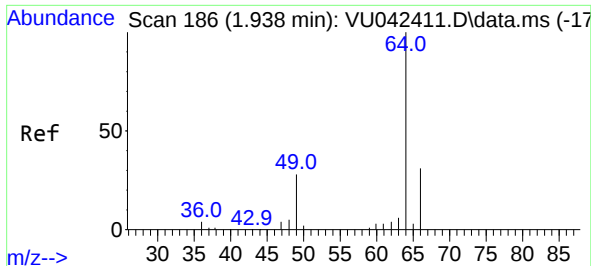
Tgt Ion: 62 Resp: 3954
 Ion Ratio Lower Upper
 62 100
 64 51.9 23.6 43.8#



#6
 Bromomethane
 Concen: 2.74 ug/L
 RT: 1.864 min Scan# 163
 Delta R.T. 0.000 min
 Lab File: VU042415.D
 Acq: 23 Feb 2021 12:46

Tgt Ion: 94 Resp: 2336
 Ion Ratio Lower Upper
 94 100
 96 98.4 66.3 123.1

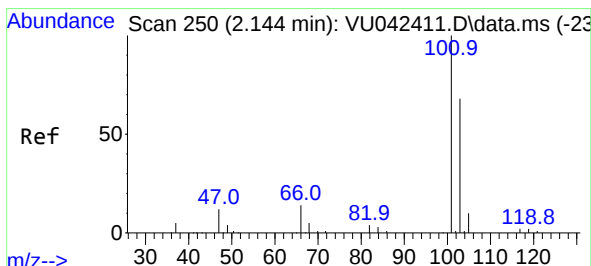
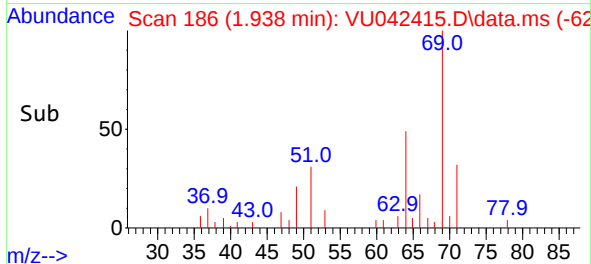
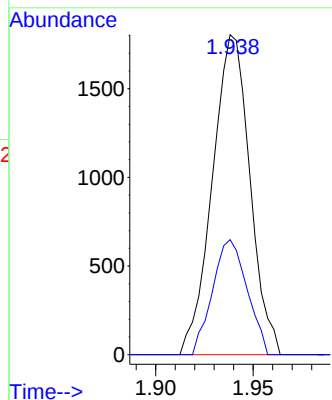
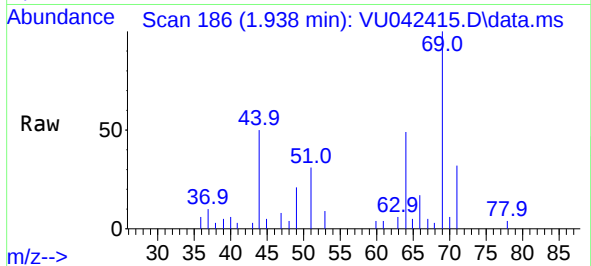




#8
Chloroethane
Concen: 2.89 ug/L
RT: 1.938 min Scan# 186
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

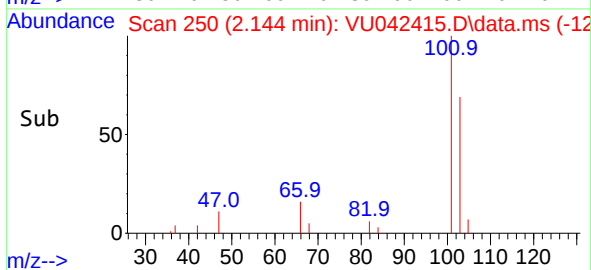
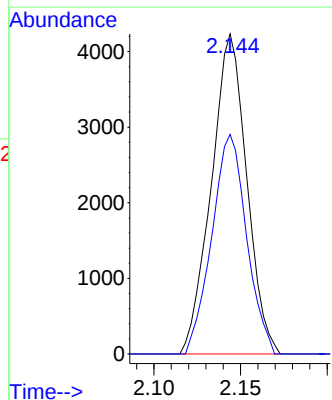
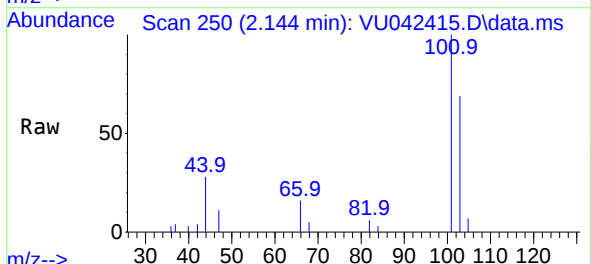
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

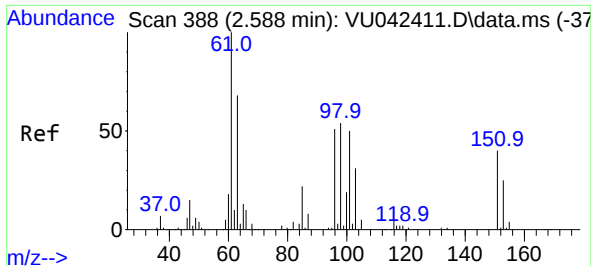
Tgt Ion: 64 Resp: 2418
Ion Ratio Lower Upper
64 100
66 36.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.56 ug/L
RT: 2.144 min Scan# 250
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:101 Resp: 6014
Ion Ratio Lower Upper
101 100
103 67.3 51.4 77.0

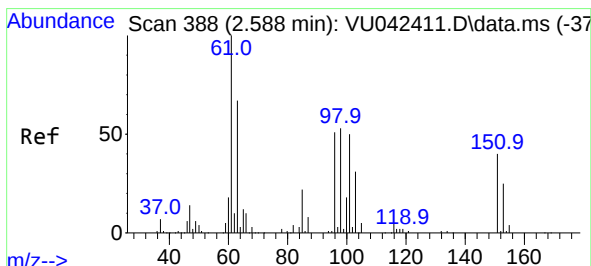
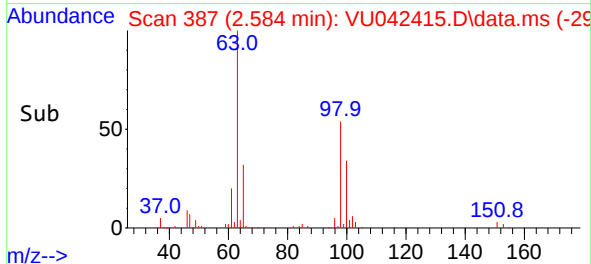
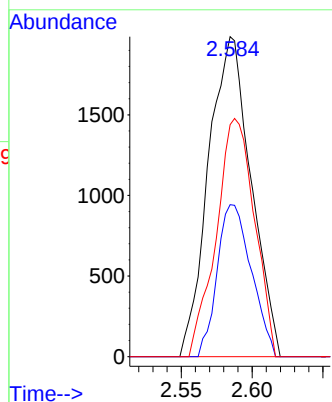
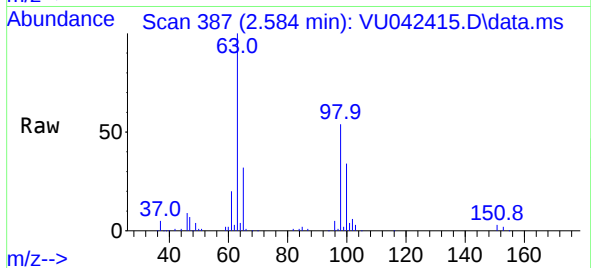




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 2.94 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

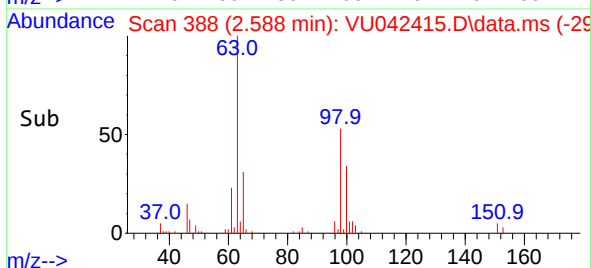
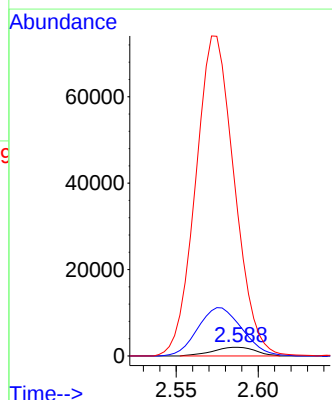
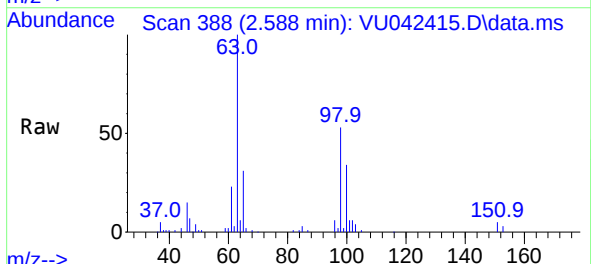
Instrument :
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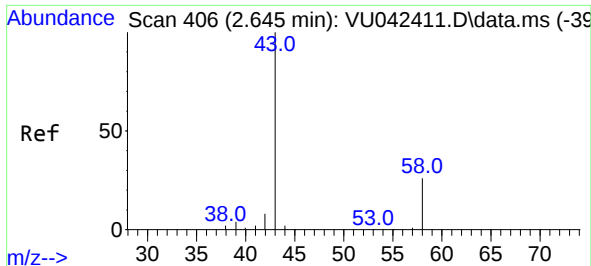
Tgt Ion:101 Resp: 4139
Ion Ratio Lower Upper
101 100
85 38.1 36.7 55.1
151 67.0 62.9 94.3



#12
1,1-Dichloroethene
Concen: 2.87 ug/L
RT: 2.588 min Scan# 388
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 96 Resp: 3689
Ion Ratio Lower Upper
96 100
61 372.5 131.6 244.4#
63 1619.8 92.6 172.0#

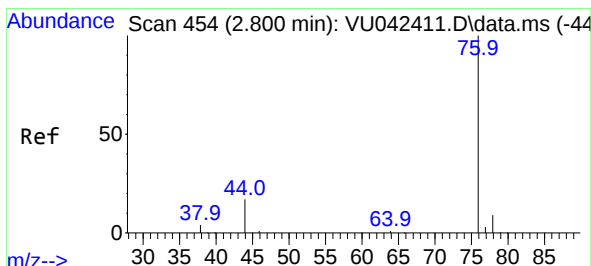
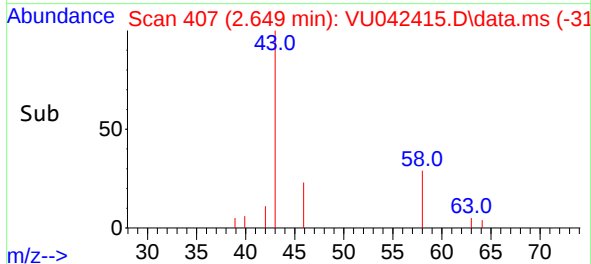
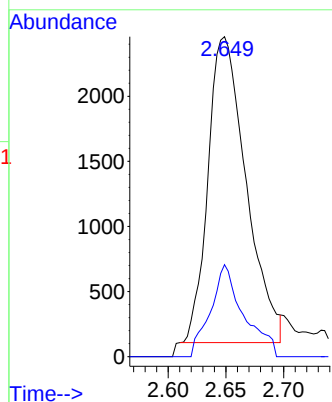
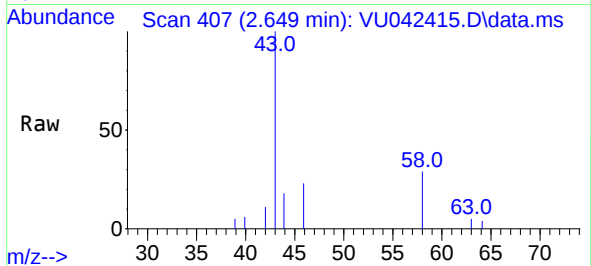




#13
Acetone
Concen: 3.82 ug/L
RT: 2.649 min Scan# 407
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

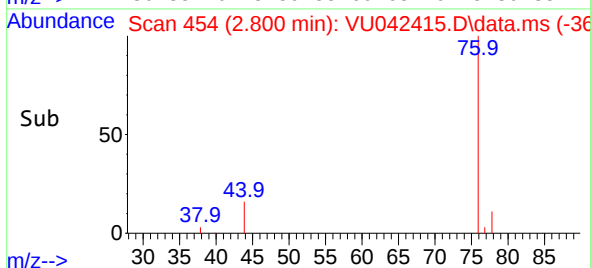
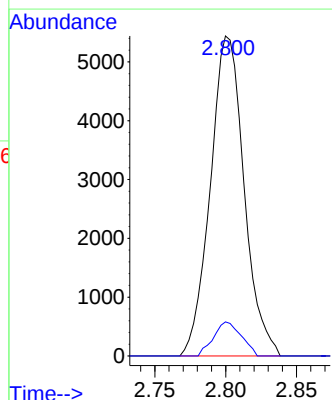
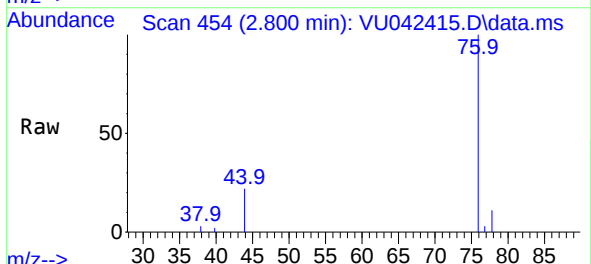
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

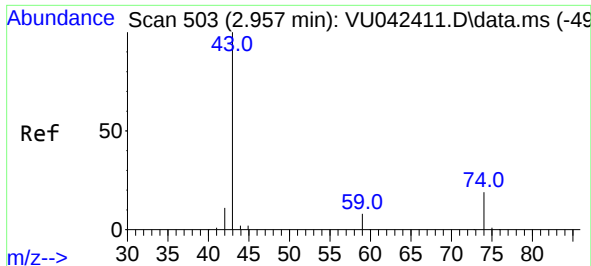
Tgt Ion: 43 Resp: 5388
Ion Ratio Lower Upper
43 100
58 26.2 0.0 54.0



#14
Carbon disulfide
Concen: 2.33 ug/L
RT: 2.800 min Scan# 454
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 76 Resp: 9021
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.0

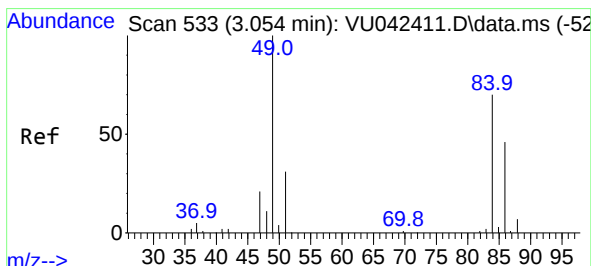
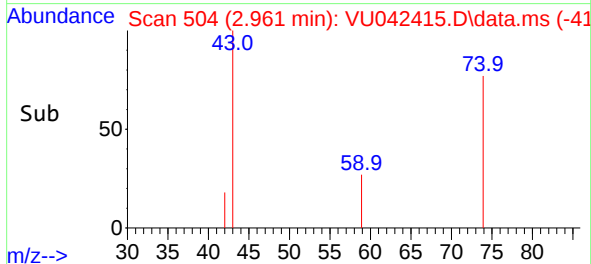
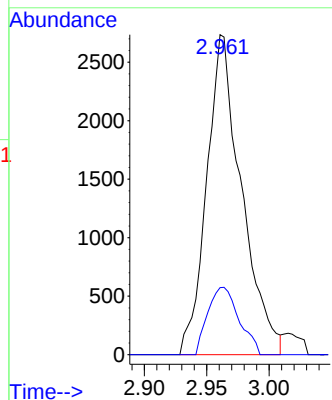
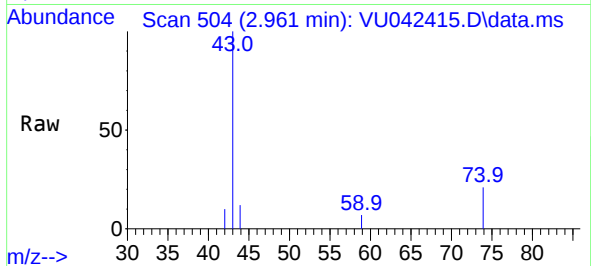




#15
Methyl Acetate
Concen: 2.45 ug/L
RT: 2.961 min Scan# 504
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

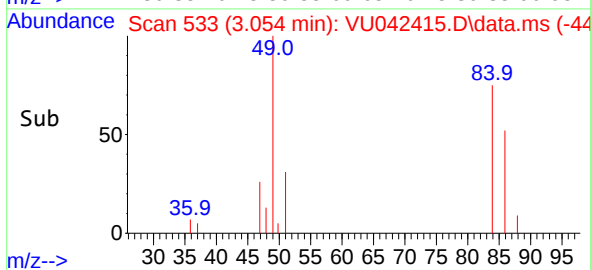
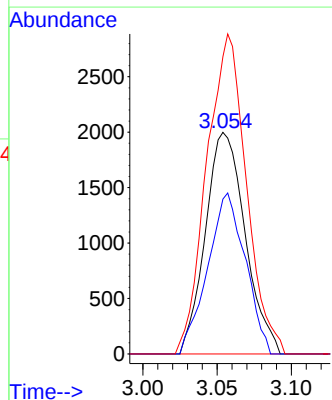
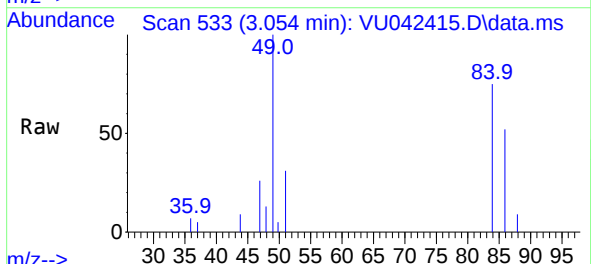
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

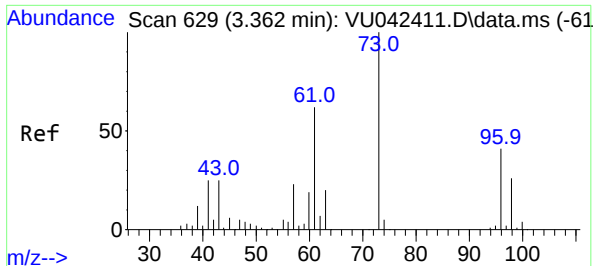
Tgt Ion: 43 Resp: 5321
Ion Ratio Lower Upper
43 100
74 18.9 15.8 23.6



#16
Methylene chloride
Concen: 2.56 ug/L
RT: 3.054 min Scan# 533
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 84 Resp: 3727
Ion Ratio Lower Upper
84 100
86 69.9 46.0 85.4
49 134.2 99.5 184.9

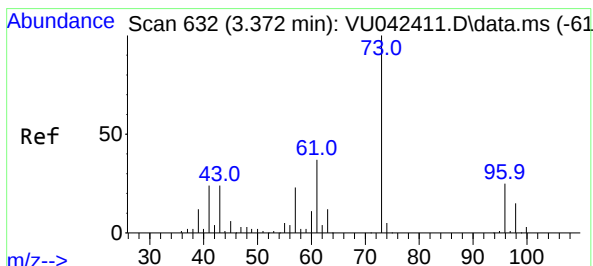
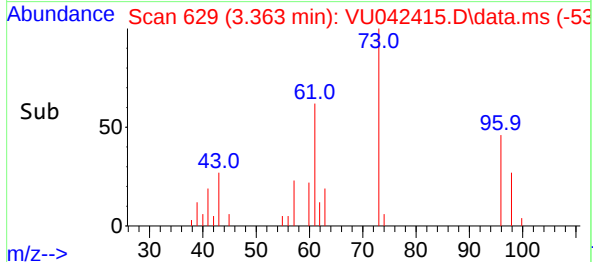
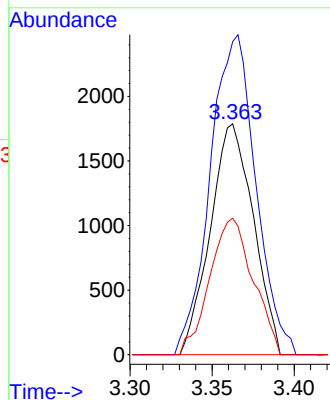
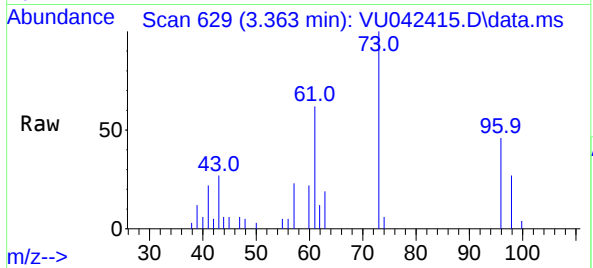




#17
trans-1,2-Dichloroethene
Concen: 2.43 ug/L
RT: 3.363 min Scan# 629
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

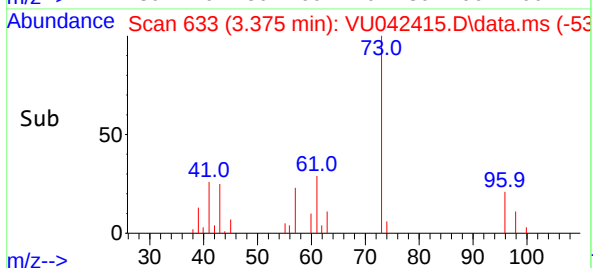
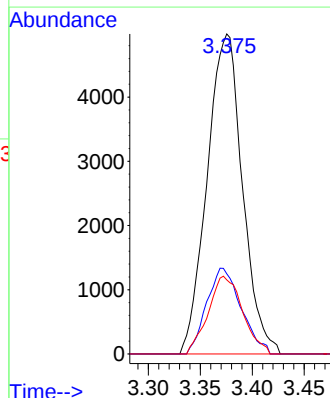
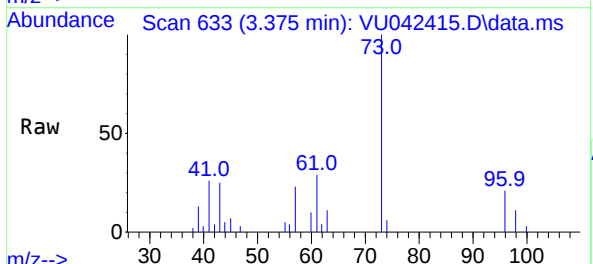
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

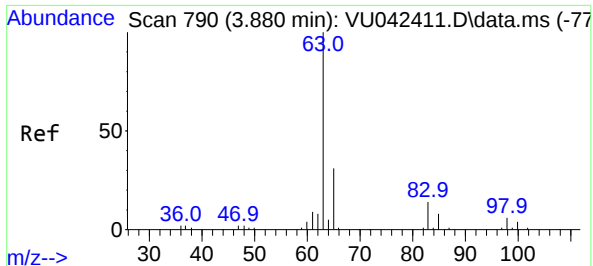
Tgt Ion: 96 Resp: 3264
Ion Ratio Lower Upper
96 100
61 135.5 104.6 194.2
98 59.1 44.4 82.4



#18
Methyl tert-butyl Ether
Concen: 2.44 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 73 Resp: 11788
Ion Ratio Lower Upper
73 100
43 26.2 19.4 29.0
57 23.7 18.2 27.2

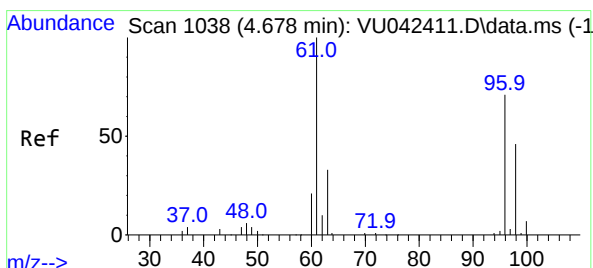
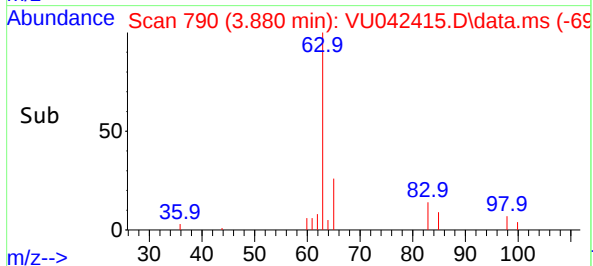
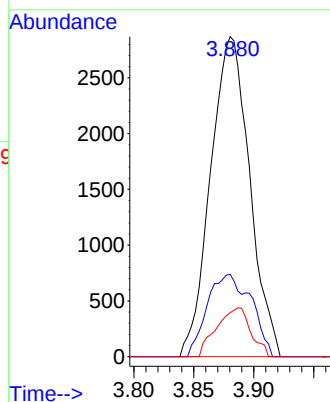
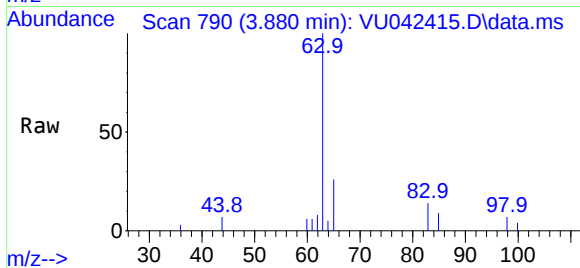




#19
1,1-Dichloroethane
Concen: 2.34 ug/L
RT: 3.880 min Scan# 790
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

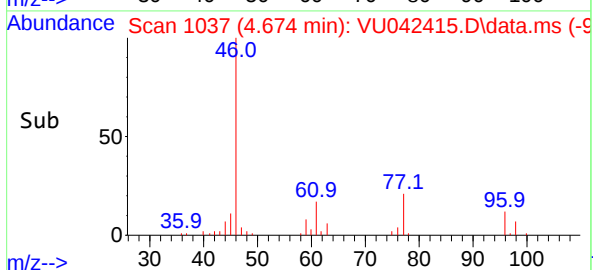
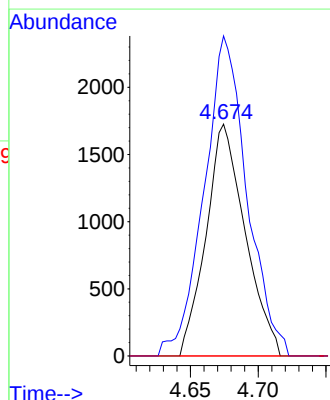
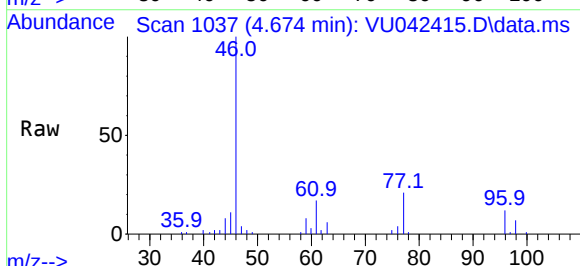
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

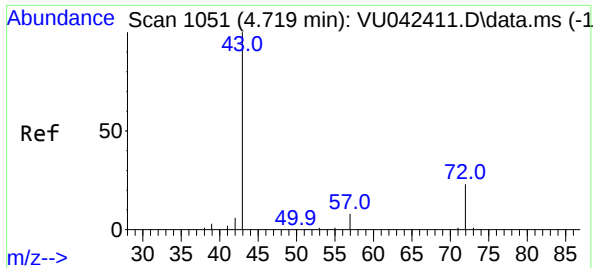
Tgt Ion:	63	Resp:	6501
Ion	Ratio	Lower	Upper
63	100		
65	25.8	21.8	40.4
83	13.7	9.1	16.9



#20
cis-1,2-Dichloroethene
Concen: 2.30 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:	96	Resp:	3467
Ion	Ratio	Lower	Upper
96	100		
61	138.0	98.6	183.0
68	0.0	0.0	0.0

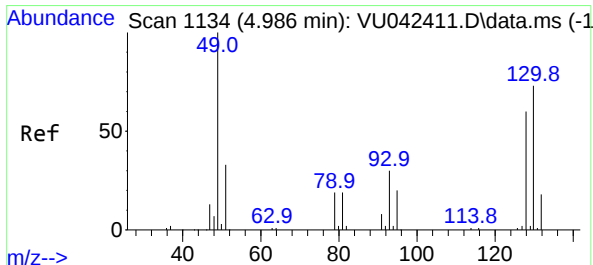
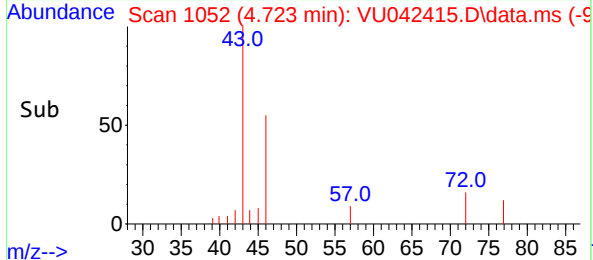
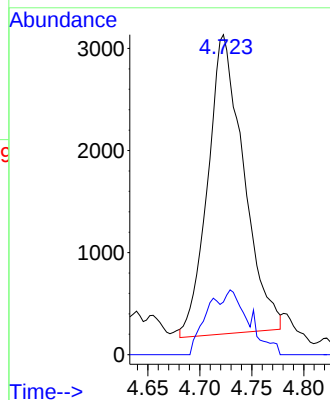
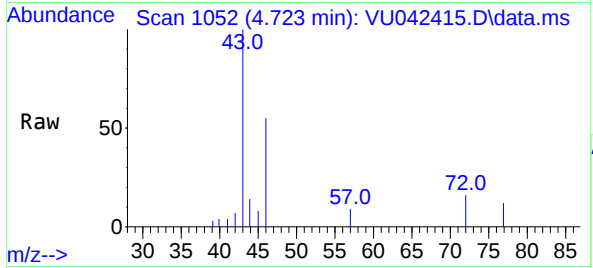




#22
2-Butanone
Concen: 3.85 ug/L
RT: 4.723 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

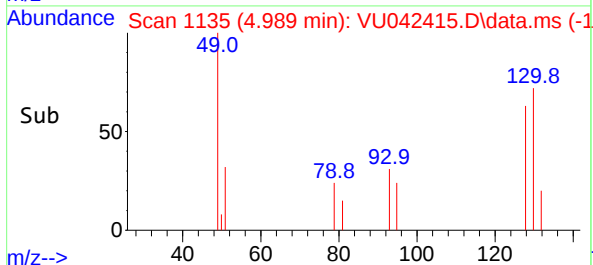
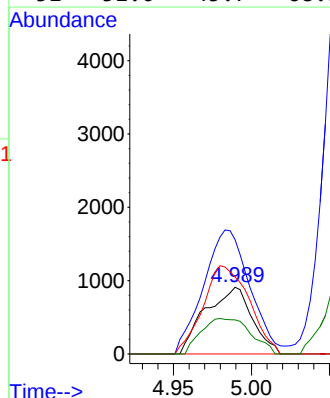
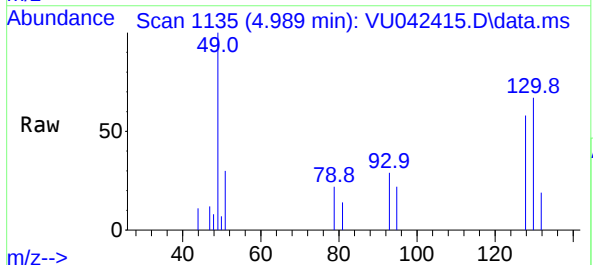
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

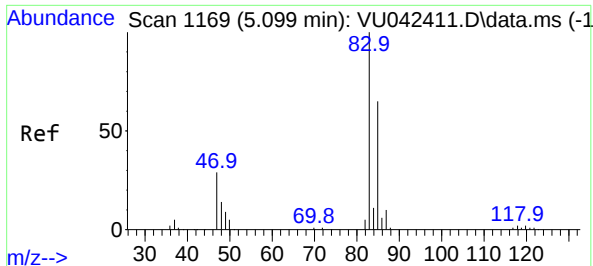
Tgt Ion: 43 Resp: 7033
Ion Ratio Lower Upper
43 100
72 10.5 11.7 35.1#



#23
Bromochloromethane
Concen: 2.37 ug/L
RT: 4.989 min Scan# 1135
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 128 Resp: 1898
Ion Ratio Lower Upper
128 100
49 171.2 125.9 233.9
130 115.2 91.7 170.3
51 51.0 45.7 68.5



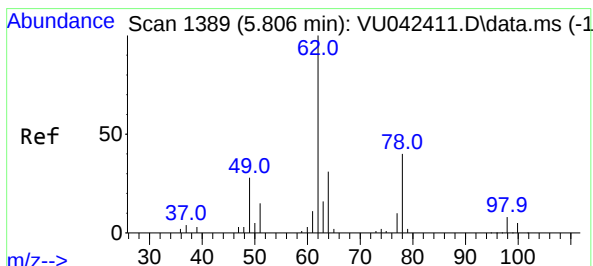
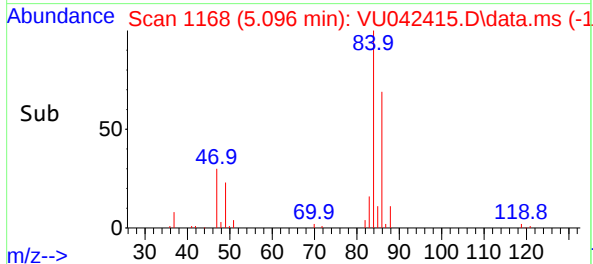
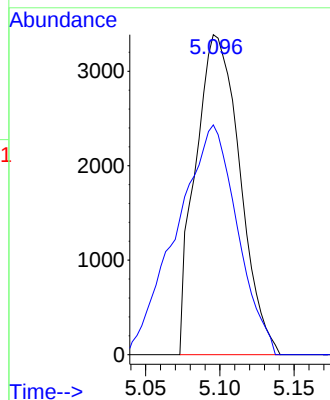
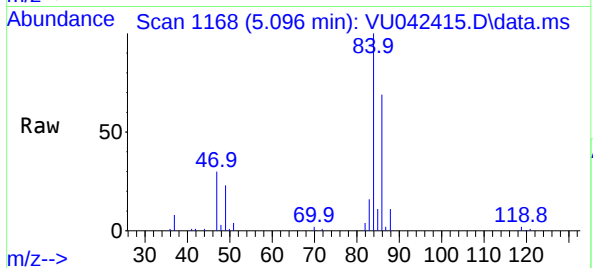


#25

Chloroform
Concen: 2.49 ug/L
RT: 5.096 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

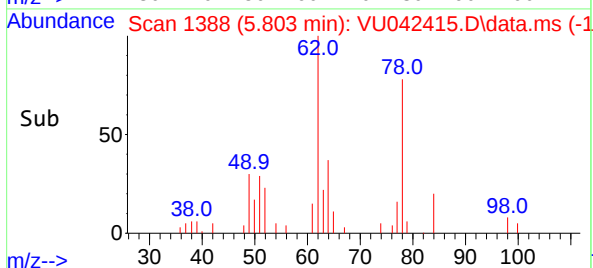
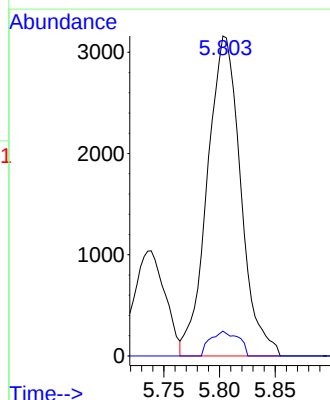
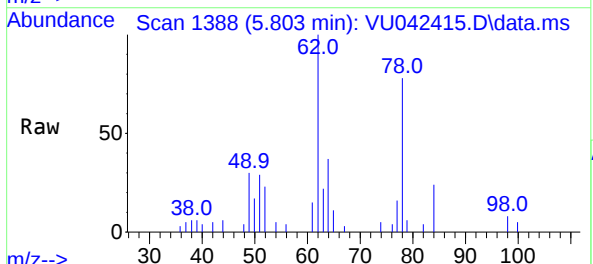
Tgt Ion: 83 Resp: 7029
Ion Ratio Lower Upper
83 100
85 71.8 46.1 85.5

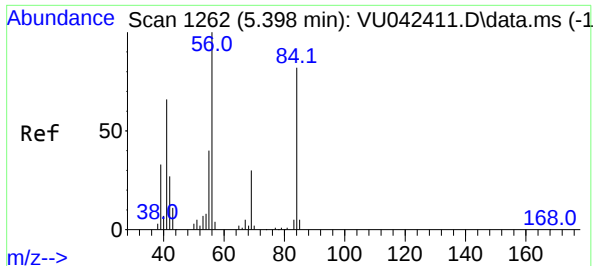


#27

1,2-Dichloroethane
Concen: 2.64 ug/L
RT: 5.803 min Scan# 1388
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 62 Resp: 6575
Ion Ratio Lower Upper
62 100
98 7.7 5.8 8.8





#29

Cyclohexane

Concen: 2.23 ug/L

RT: 5.401 min Scan# 1263

Delta R.T. 0.003 min

Lab File: VU042415.D

Acq: 23 Feb 2021 12:46

Instrument :

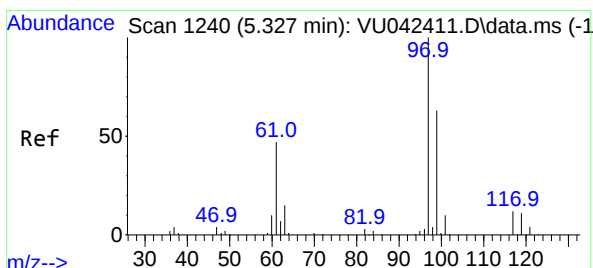
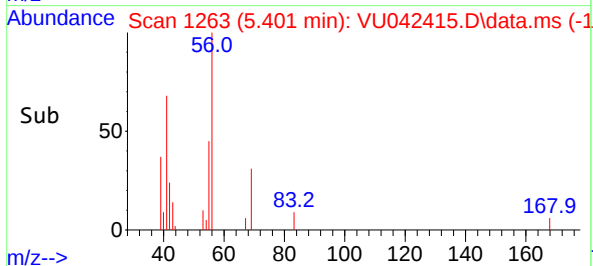
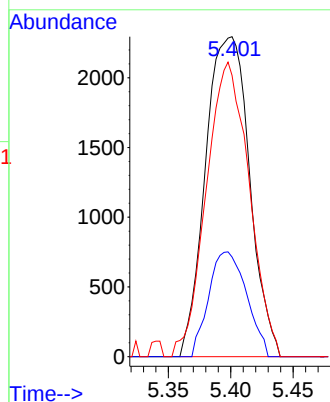
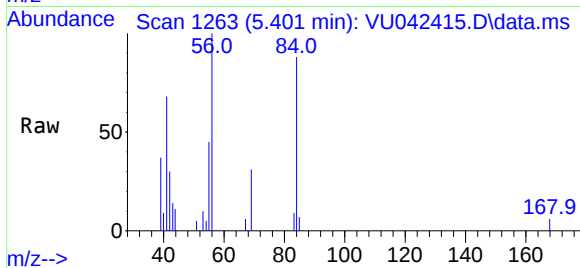
MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2021-03

Tgt Ion: 56 Resp: 5637

Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.5	35.3
84	89.5	64.2	96.2



#30

1,1,1-Trichloroethane

Concen: 2.41 ug/L

RT: 5.327 min Scan# 1240

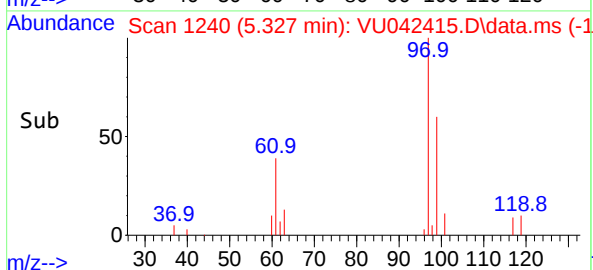
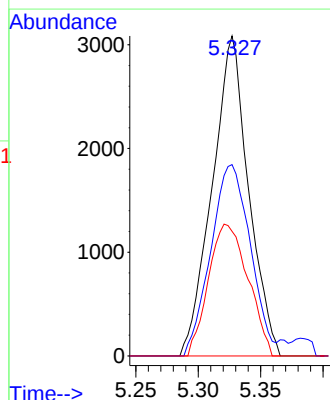
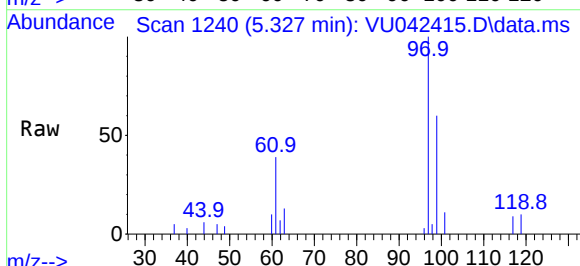
Delta R.T. 0.000 min

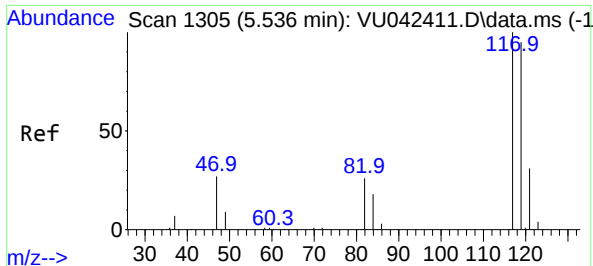
Lab File: VU042415.D

Acq: 23 Feb 2021 12:46

Tgt Ion: 97 Resp: 6262

Ion	Ratio	Lower	Upper
97	100		
99	65.2	51.3	76.9
61	44.7	37.7	56.5

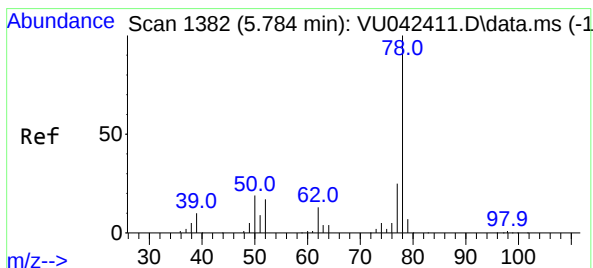
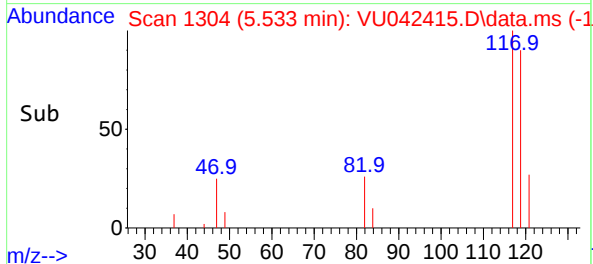
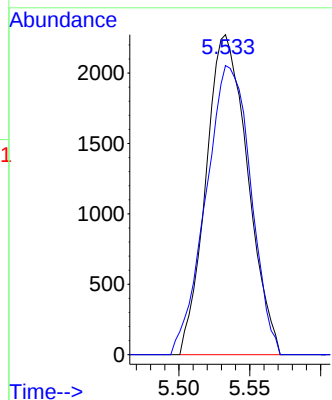
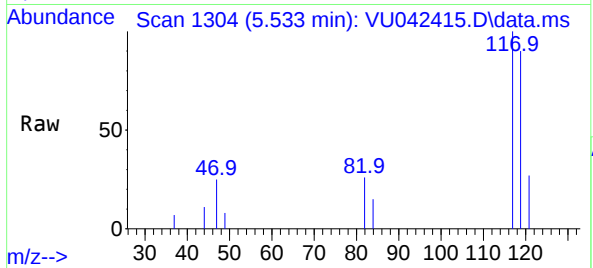




#31
Carbon tetrachloride
Concen: 2.08 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

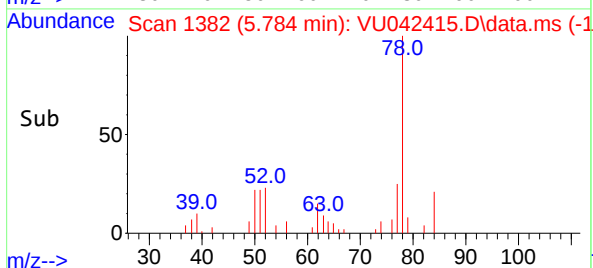
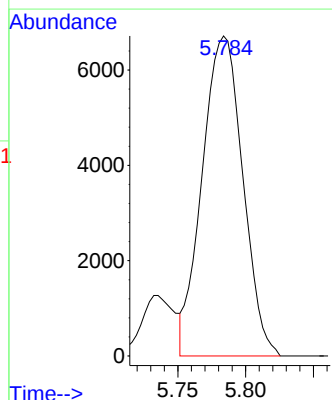
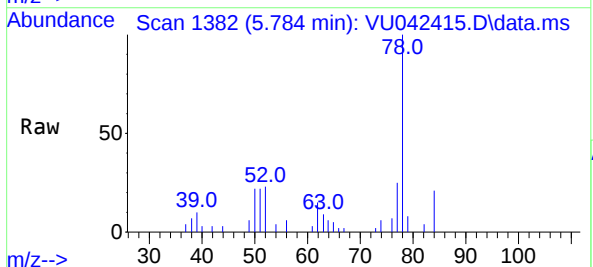
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

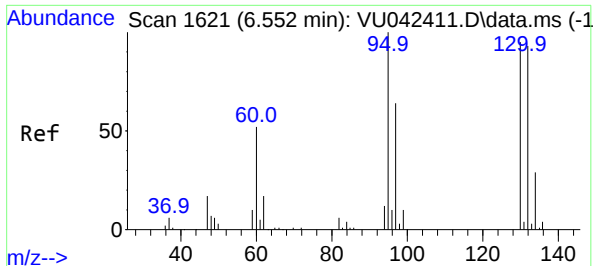
Tgt Ion:117 Resp: 4653
Ion Ratio Lower Upper
117 100
119 97.2 77.5 116.3



#33
Benzene
Concen: 2.41 ug/L
RT: 5.784 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 78 Resp: 13986



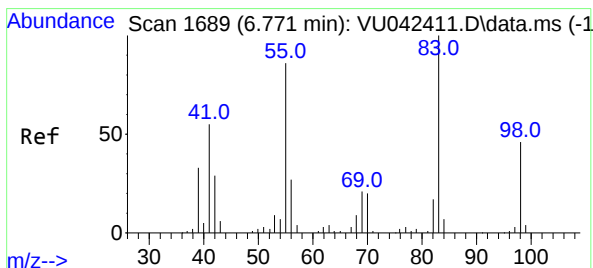
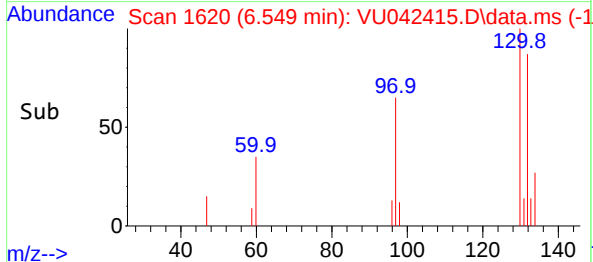
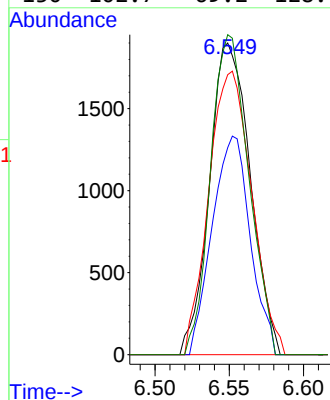
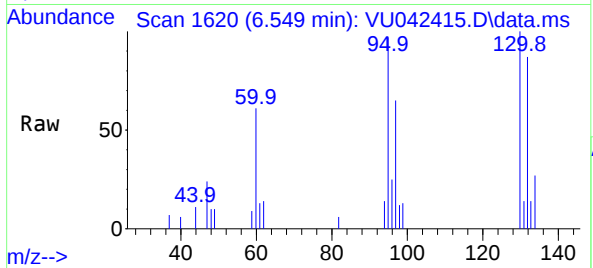


#34
Trichloroethene
Concen: 2.39 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Instrument :
MSVOA_U
ClientSampleId :
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Tgt Ion: 95 Resp: 3629

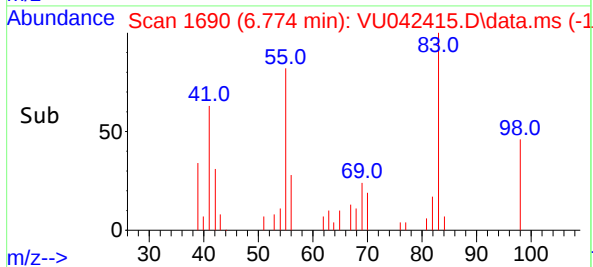
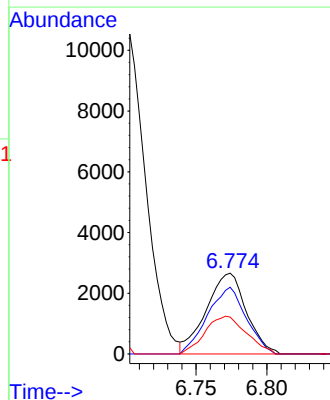
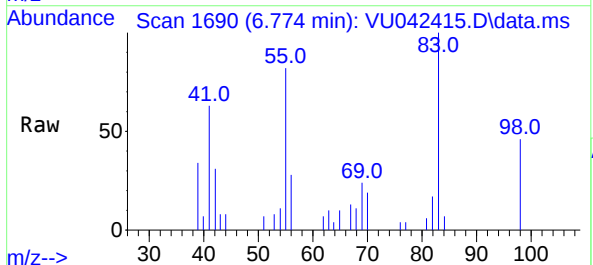
Ion	Ratio	Lower	Upper
95	100		
97	66.4	45.3	84.1
132	104.6	67.5	125.4
130	102.7	69.2	128.4

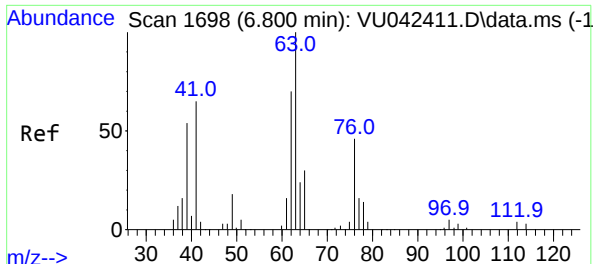


#35
Methylcyclohexane
Concen: 2.23 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 83 Resp: 5232

Ion	Ratio	Lower	Upper
83	100		
55	79.7	68.6	102.8
98	48.2	37.6	56.4

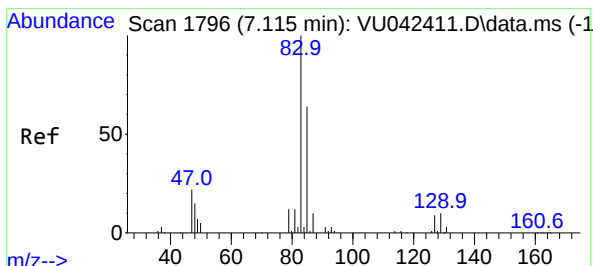
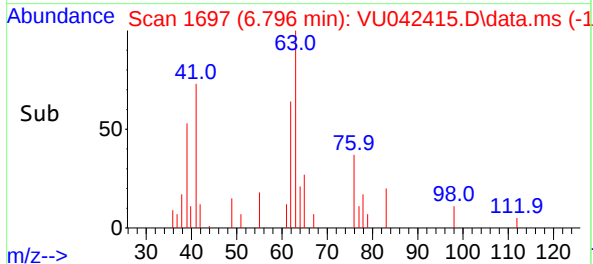
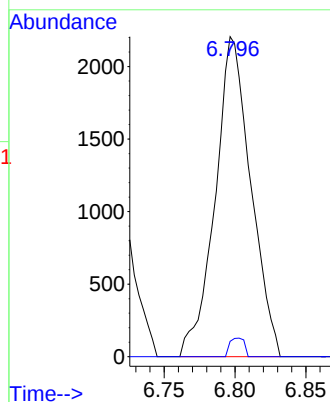
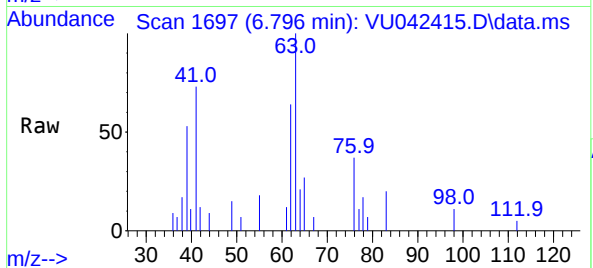




#37
1,2-Dichloropropane
Concen: 2.38 ug/L
RT: 6.796 min Scan# 1697
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

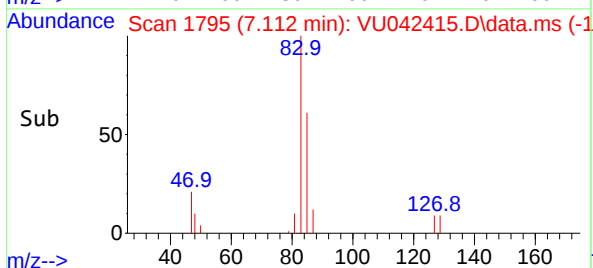
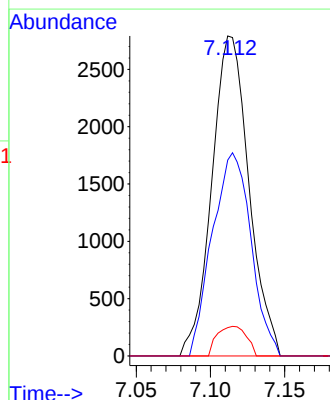
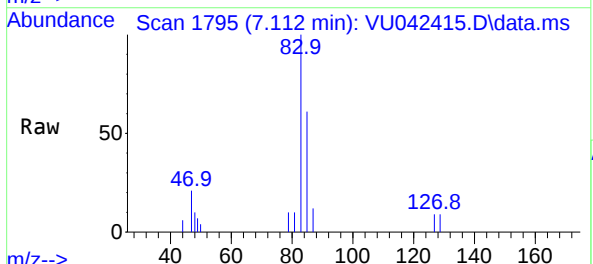
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

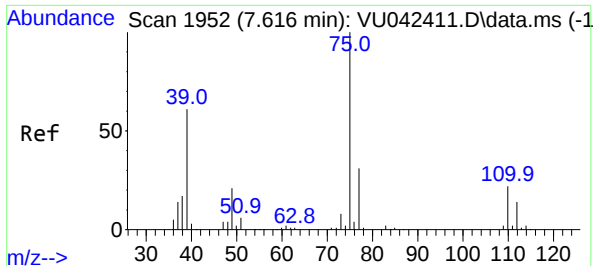
Tgt Ion: 63 Resp: 3862
Ion Ratio Lower Upper
63 100
112 2.4 3.0 4.4#



#38
Bromodichloromethane
Concen: 2.22 ug/L
RT: 7.112 min Scan# 1795
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 83 Resp: 4853
Ion Ratio Lower Upper
83 100
85 61.2 43.8 81.4
127 8.8 6.8 10.2

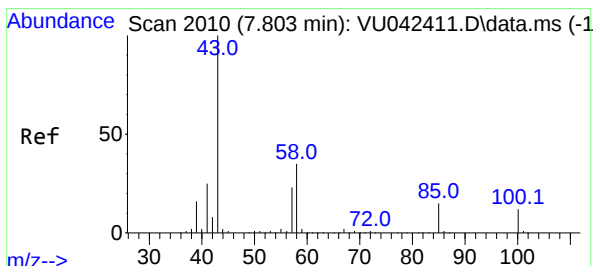
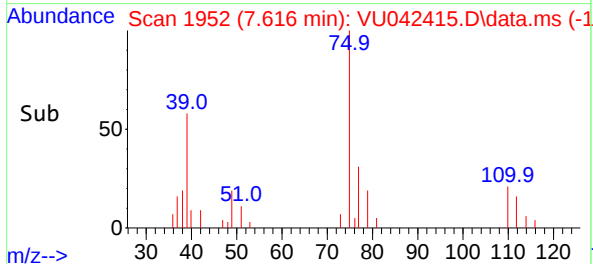
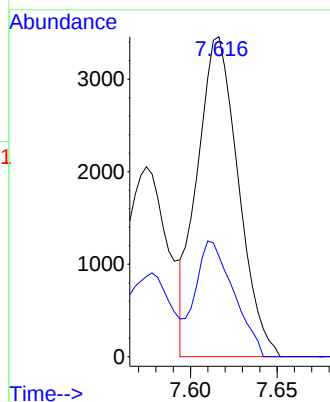
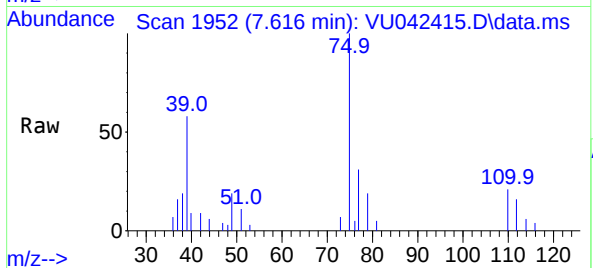




#39
 cis-1,3-Dichloropropene
 Concen: 2.26 ug/L
 RT: 7.616 min Scan# 1952
 Delta R.T. 0.000 min
 Lab File: VU042415.D
 Acq: 23 Feb 2021 12:46

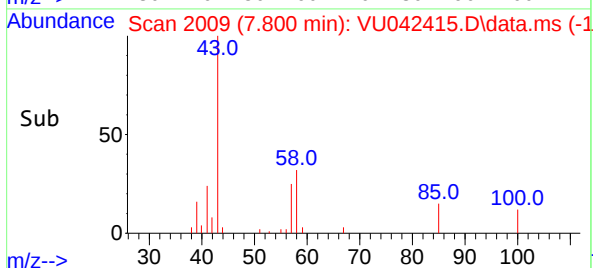
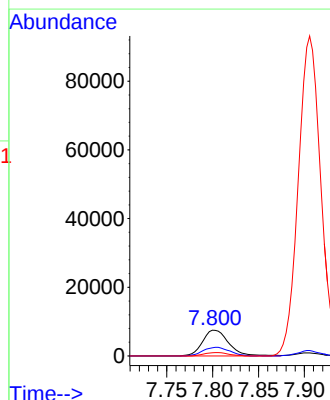
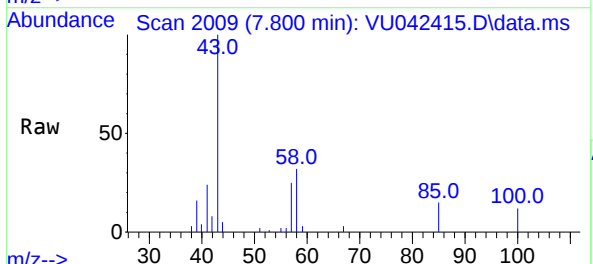
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-03

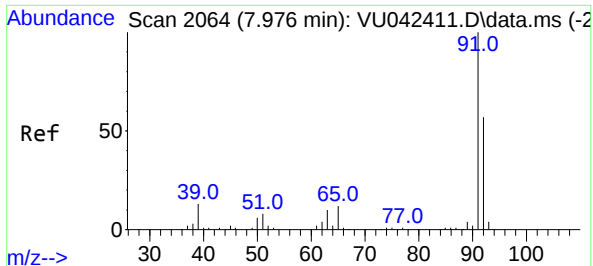
Tgt Ion: 75 Resp: 5714
 Ion Ratio Lower Upper
 75 100
 77 31.4 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 4.66 ug/L
 RT: 7.800 min Scan# 2009
 Delta R.T. -0.003 min
 Lab File: VU042415.D
 Acq: 23 Feb 2021 12:46

Tgt Ion: 43 Resp: 14957
 Ion Ratio Lower Upper
 43 100
 58 34.1 28.7 43.1
 100 12.2 9.7 14.5





#42

Toluene

Concen: 2.30 ug/L

RT: 7.973 min Scan# 2063

Delta R.T. -0.003 min

Lab File: VU042415.D

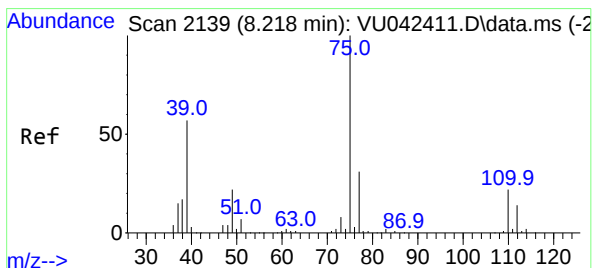
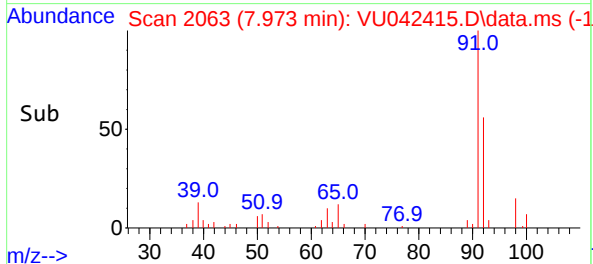
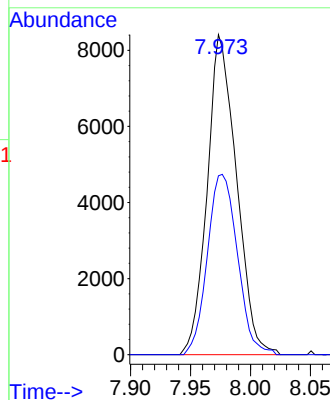
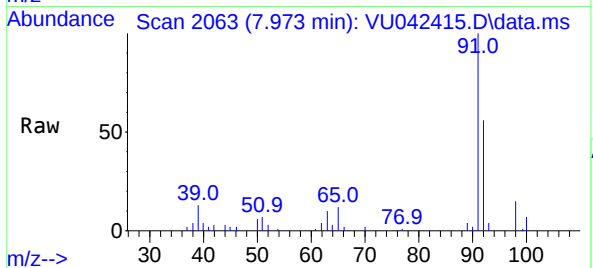
Acq: 23 Feb 2021 12:46

Tgt Ion: 91 Resp: 14287

Ion Ratio Lower Upper

91 100

92 55.9 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 2.21 ug/L

RT: 8.218 min Scan# 2139

Delta R.T. 0.000 min

Lab File: VU042415.D

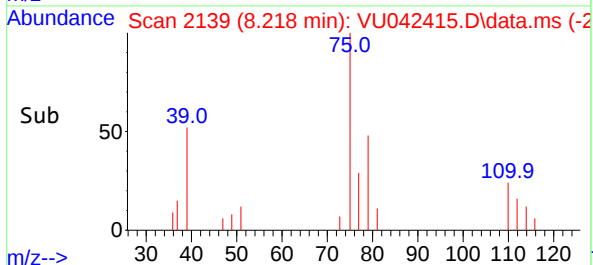
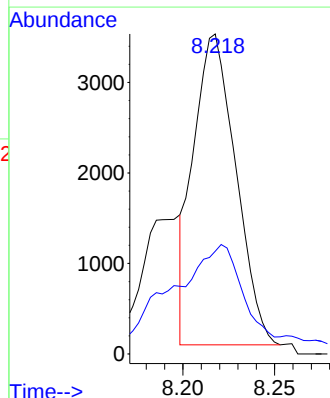
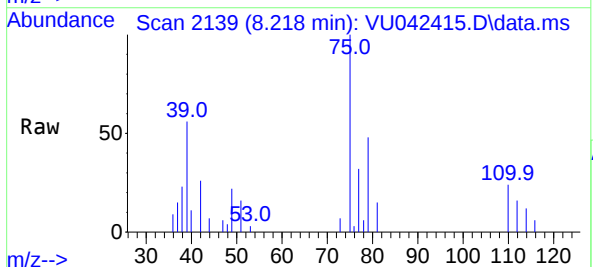
Acq: 23 Feb 2021 12:46

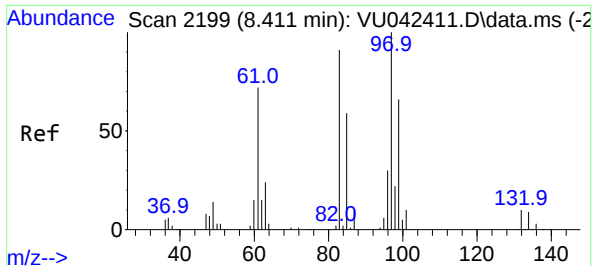
Tgt Ion: 75 Resp: 5504

Ion Ratio Lower Upper

75 100

77 32.1 21.6 40.2





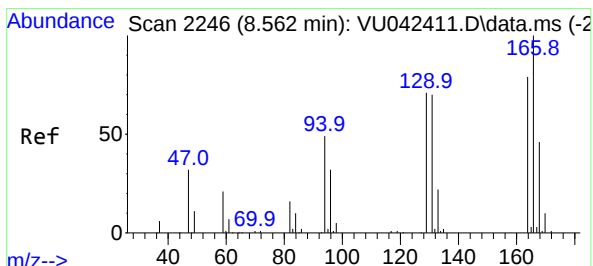
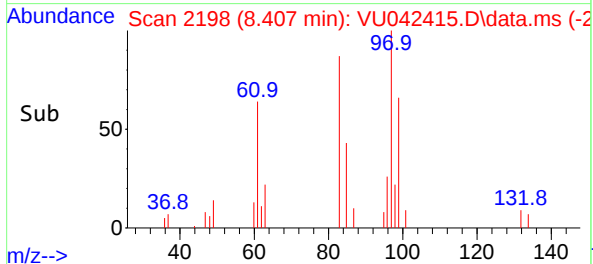
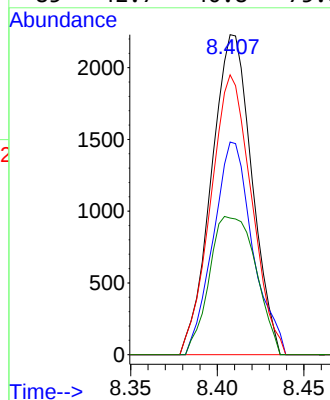
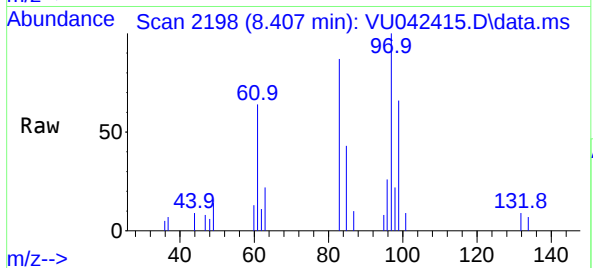
#45

1,1,2-Trichloroethane
Concen: 2.43 ug/L
RT: 8.407 min Scan# 2198
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

Tgt Ion: 97 Resp: 3625

Ion	Ratio	Lower	Upper
97	100		
99	66.5	43.7	81.1
83	87.4	61.7	114.7
85	42.7	40.8	75.8

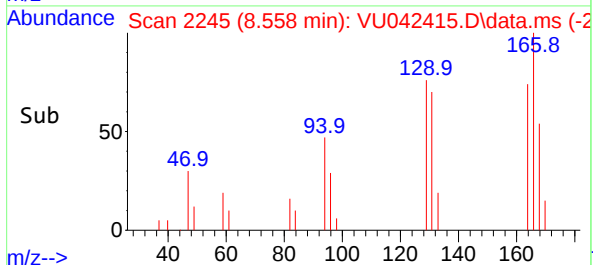
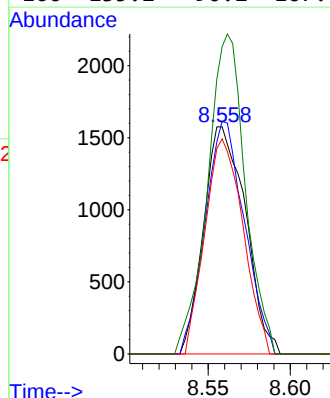
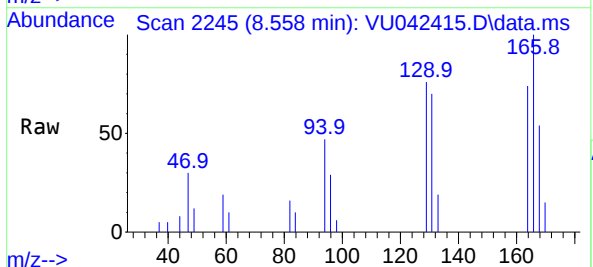


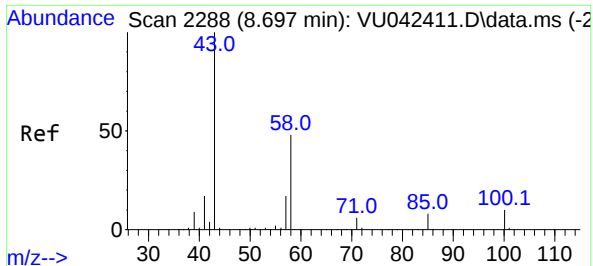
#46

Tetrachloroethene
Concen: 2.32 ug/L
RT: 8.558 min Scan# 2245
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 164 Resp: 2792

Ion	Ratio	Lower	Upper
164	100		
129	102.4	65.2	121.2
131	94.7	62.4	115.8
166	135.2	90.2	167.6

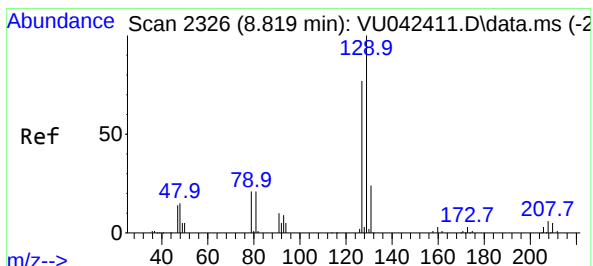
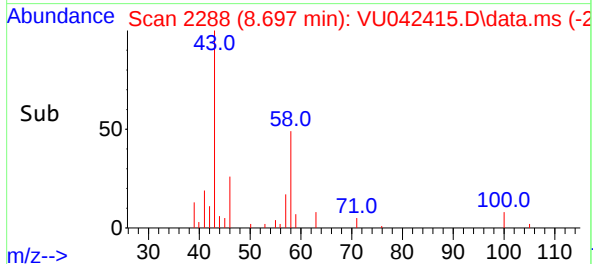
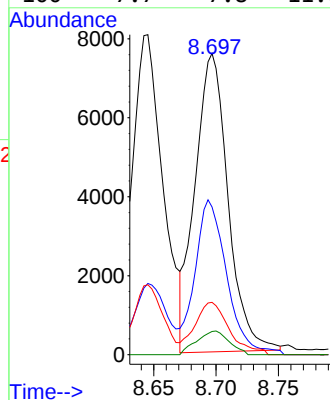
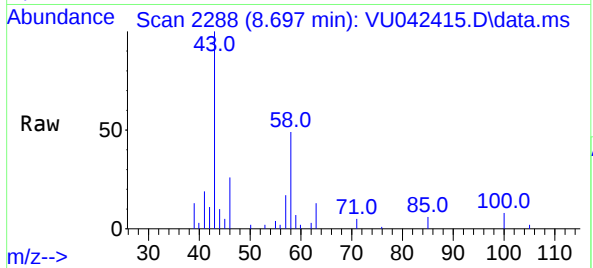




#48
2-Hexanone
Concen: 5.36 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

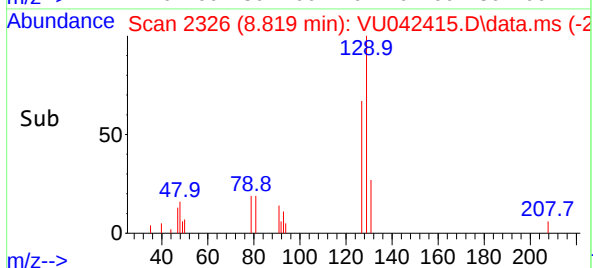
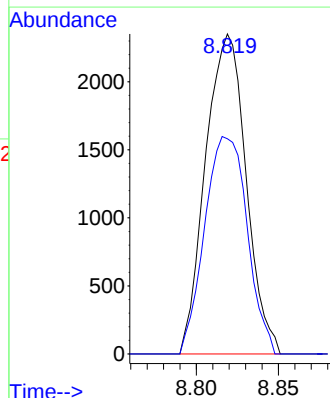
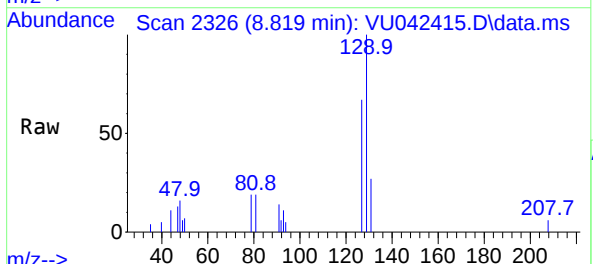
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

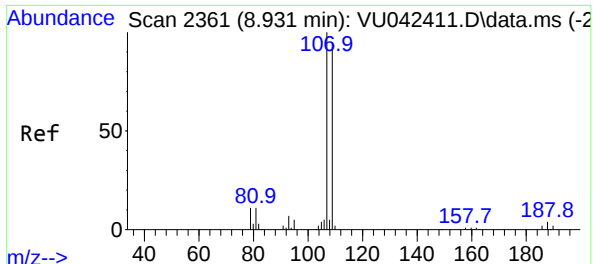
Tgt Ion: 43	Resp: 13931
Ion Ratio	Lower Upper
43 100	
58 50.5	39.2 58.8
57 18.3	14.4 21.6
100 7.7	7.8 11.6#



#49
Dibromochloromethane
Concen: 2.33 ug/L
RT: 8.819 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:129	Resp: 4040		
Ion Ratio	Lower	Upper	
129 100			
127 67.3	54.7	101.7	

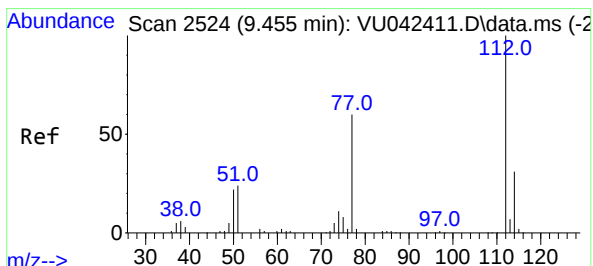
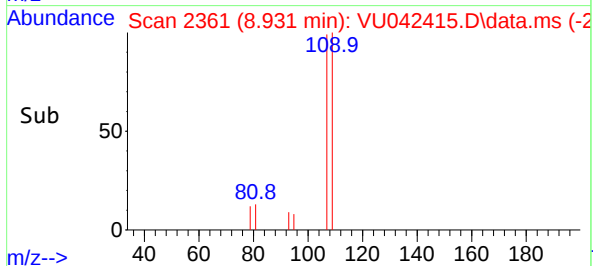
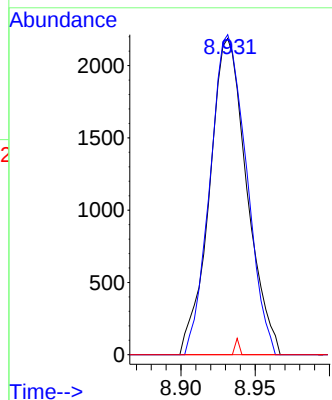
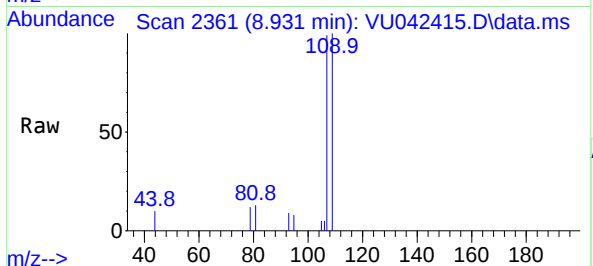




#50
1,2-Dibromoethane
Concen: 2.29 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

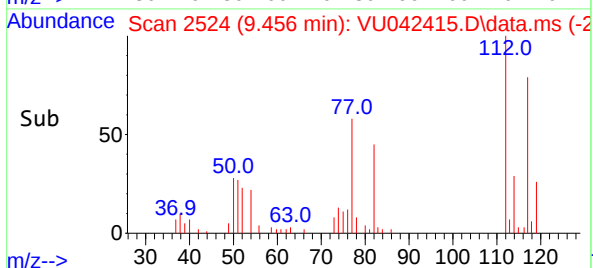
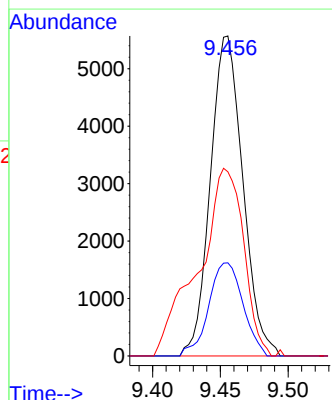
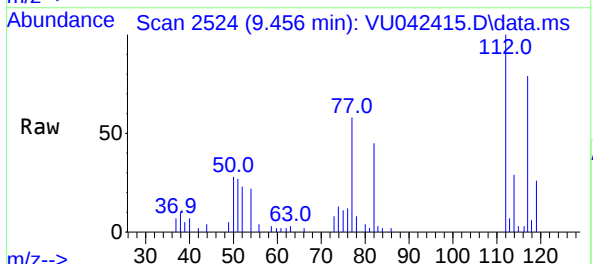
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

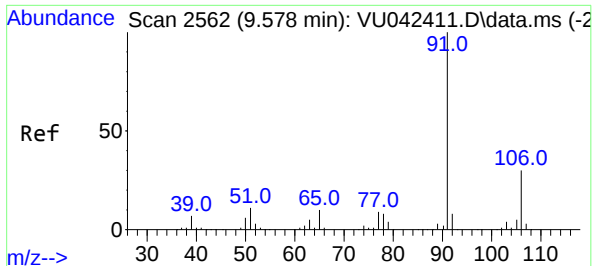
Tgt Ion:107 Resp: 3822
Ion Ratio Lower Upper
107 100
109 101.2 65.7 121.9
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 2.36 ug/L
RT: 9.456 min Scan# 2524
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:112 Resp: 9292
Ion Ratio Lower Upper
112 100
114 29.1 22.7 42.1
77 57.5 49.4 74.2

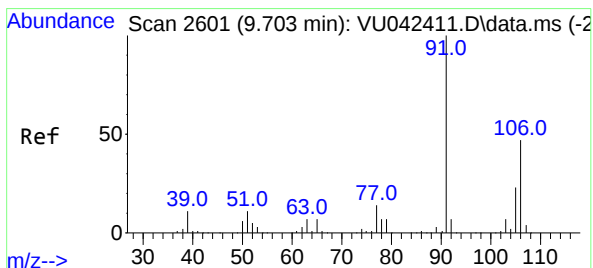
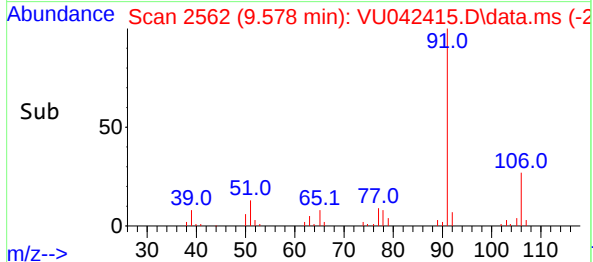
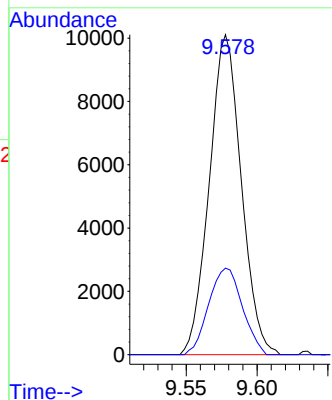
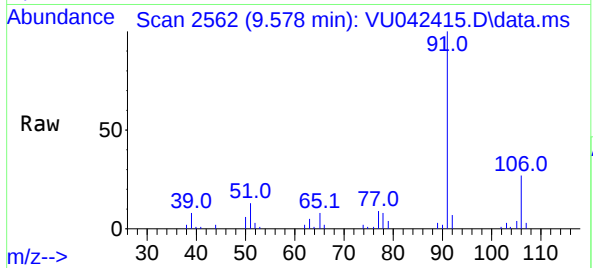




#52
Ethylbenzene
Concen: 2.29 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

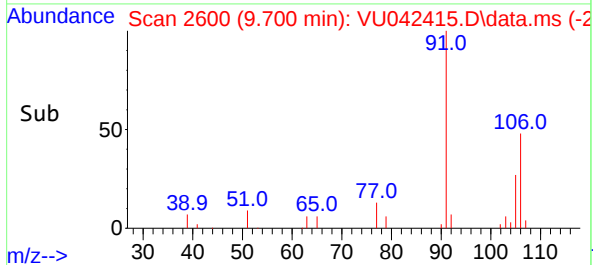
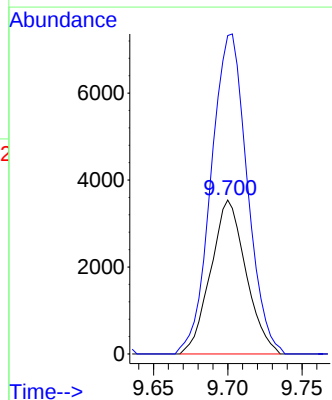
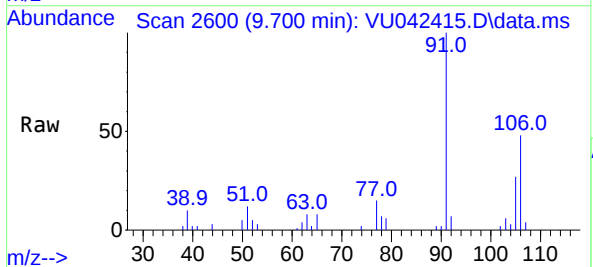
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

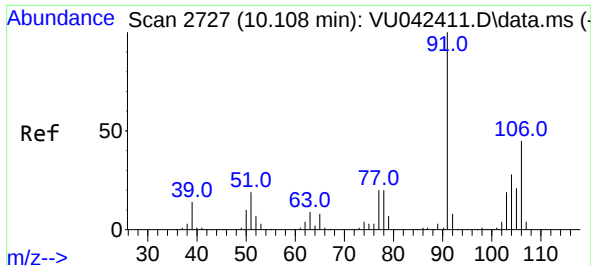
Tgt Ion: 91 Resp: 15850
Ion Ratio Lower Upper
91 100
106 27.0 20.8 38.6



#53
m,p-Xylene
Concen: 2.27 ug/L
RT: 9.700 min Scan# 2600
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 106 Resp: 5842
Ion Ratio Lower Upper
106 100
91 206.8 149.7 277.9

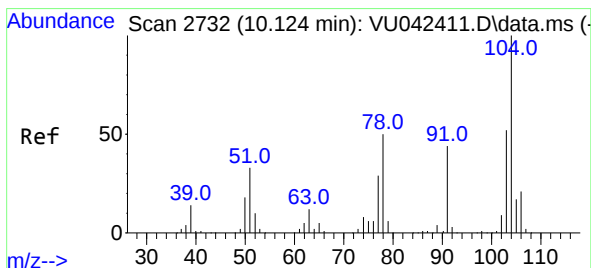
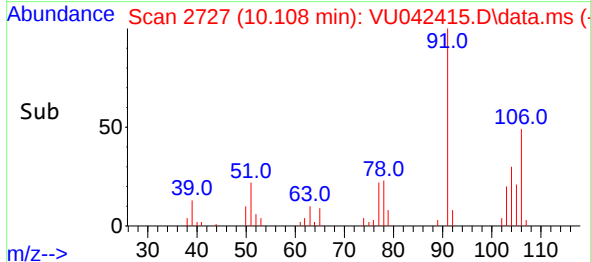
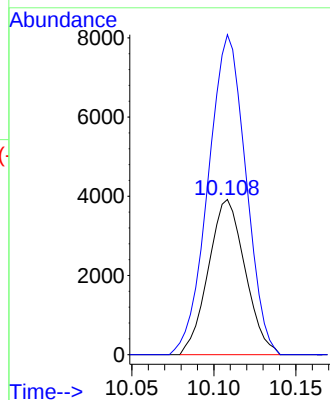
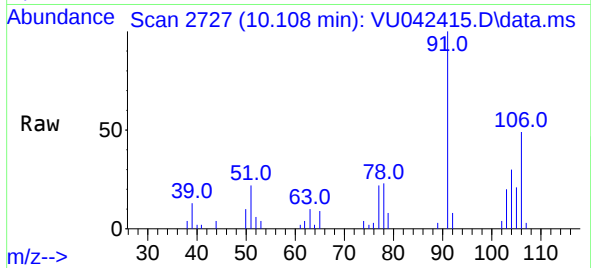




#54
o-xylene
Concen: 2.38 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

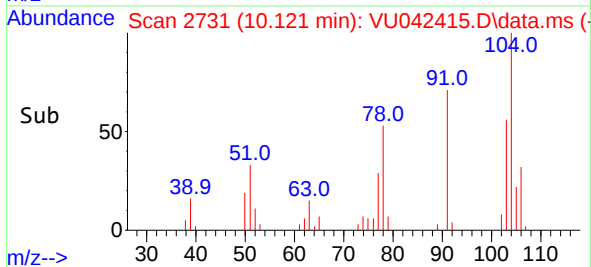
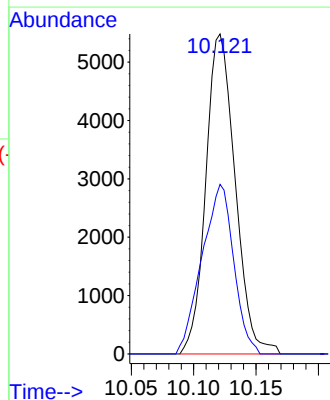
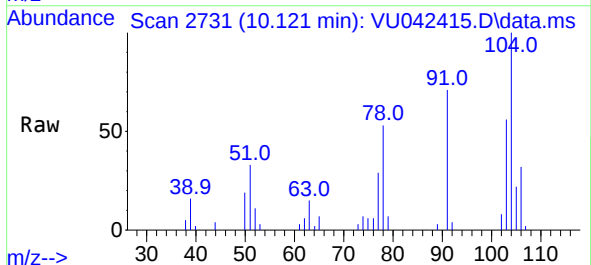
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

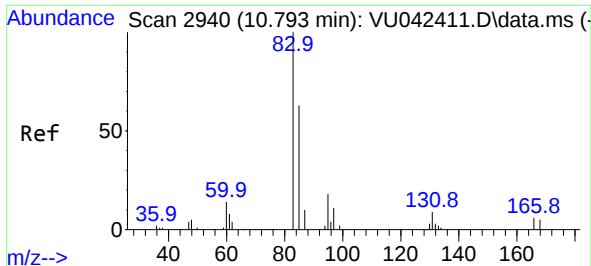
Tgt Ion:106 Resp: 6103
Ion Ratio Lower Upper
106 100
91 206.1 157.4 292.2



#55
Styrene
Concen: 2.05 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:104 Resp: 8988
Ion Ratio Lower Upper
104 100
78 53.0 34.4 64.0

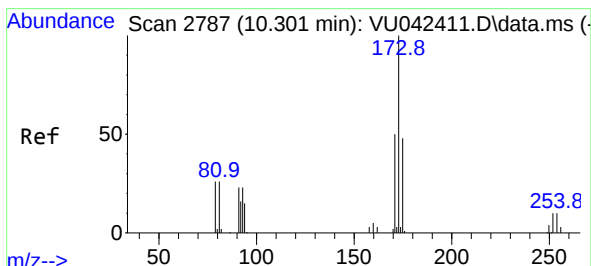
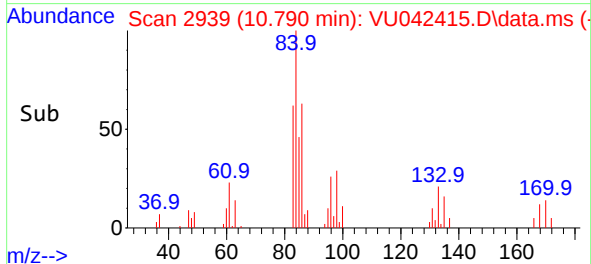
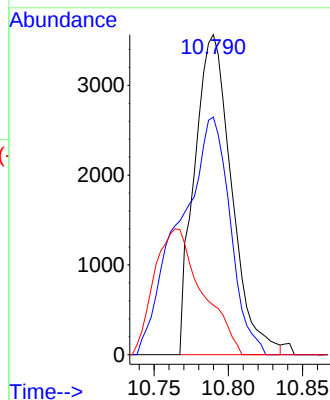
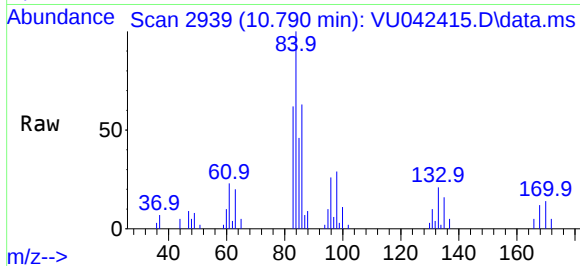




#57
1,1,2,2-Tetrachloroethane
Concen: 2.28 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

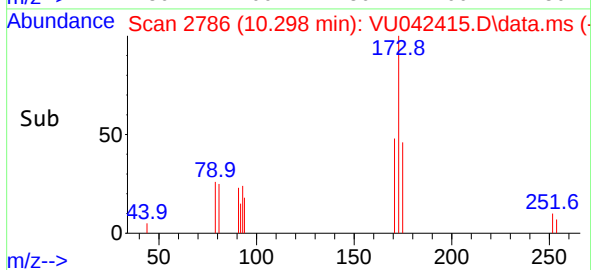
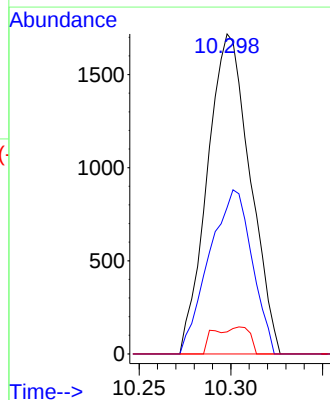
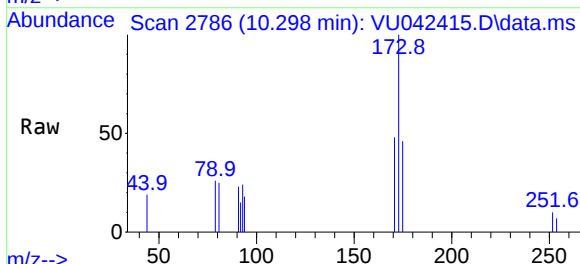
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

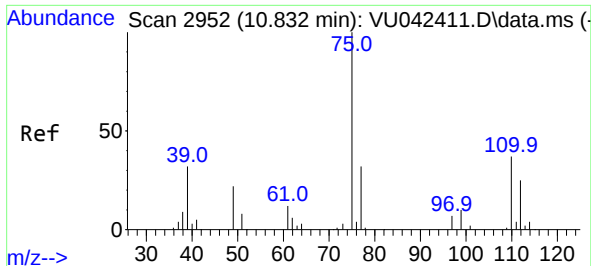
Tgt Ion:	83	Resp:	6186
Ion	Ratio	Lower	Upper
83	100		
85	74.2	45.4	84.2
131	15.5	8.1	12.1#



#59
Bromoform
Concen: 2.07 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:	173	Resp:	2779
Ion	Ratio	Lower	Upper
173	100		
175	51.5	39.0	58.4
254	4.5	7.4	11.0#

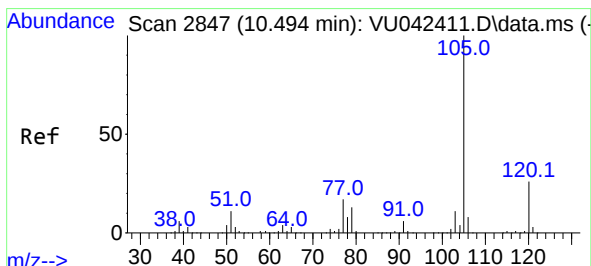
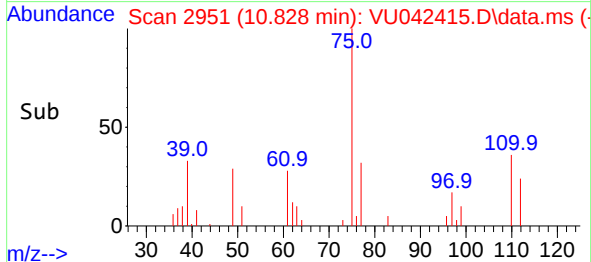
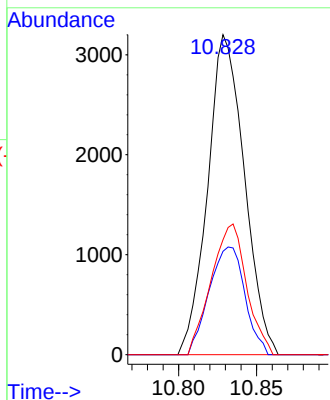
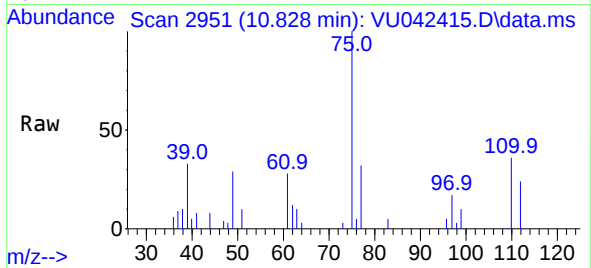




#60
1,2,3-Trichloropropane
Concen: 2.48 ug/L
RT: 10.828 min Scan# 2951
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

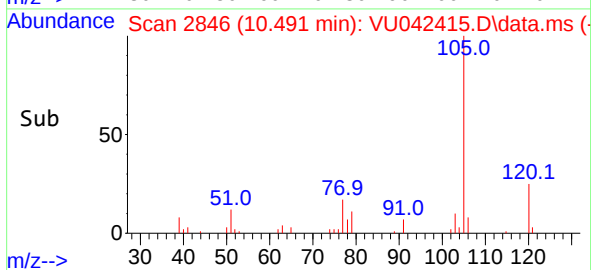
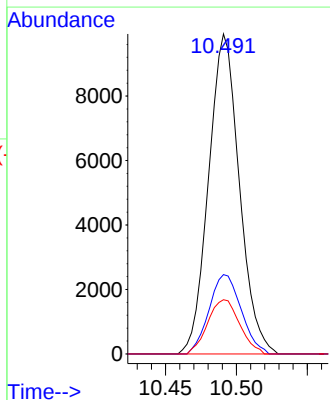
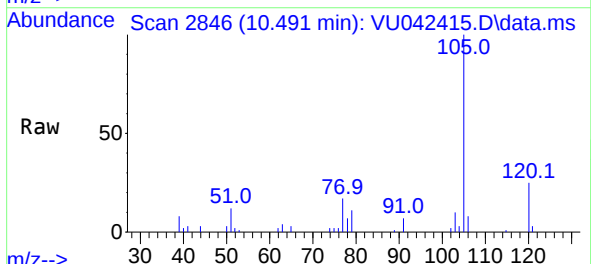
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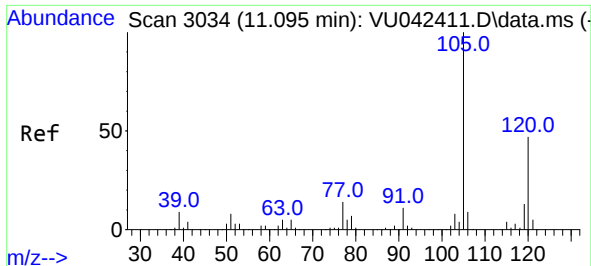
Tgt Ion:	75	Resp:	5236
Ion	Ratio	Lower	Upper
75	100		
77	32.8	25.4	38.2
110	39.4	30.3	45.5



#61
Isopropylbenzene
Concen: 2.35 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:	105	Resp:	14988
Ion	Ratio	Lower	Upper
105	100		
120	25.9	20.5	30.7
77	17.6	13.6	20.4

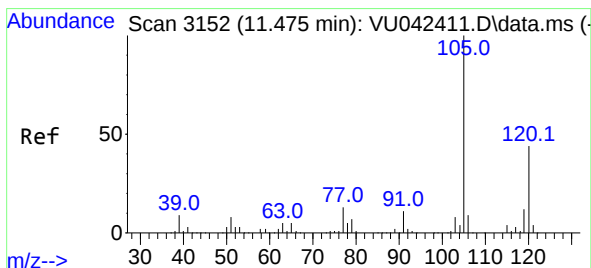
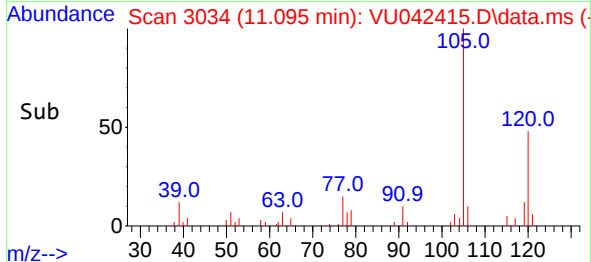
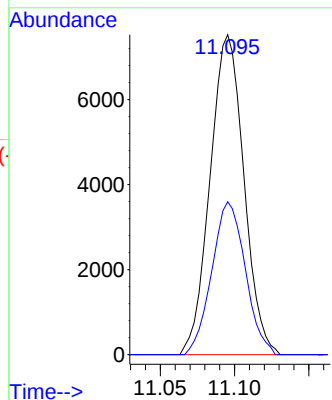
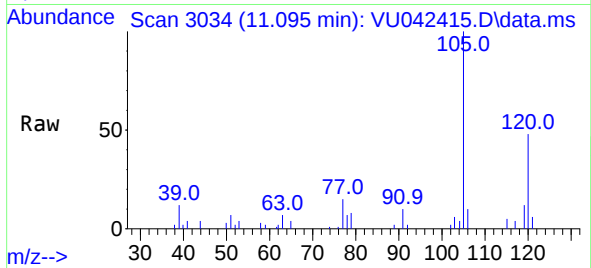




#62
1,3,5-Trimethylbenzene
Concen: 2.16 ug/L
RT: 11.095 min Scan# 3034
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

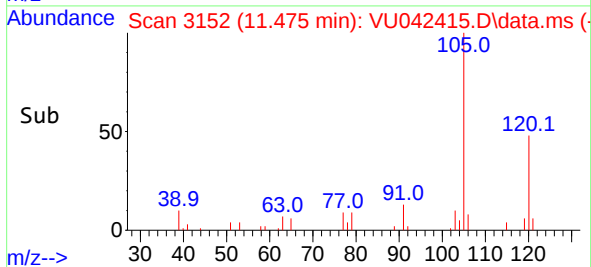
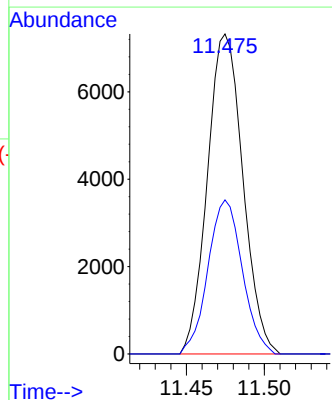
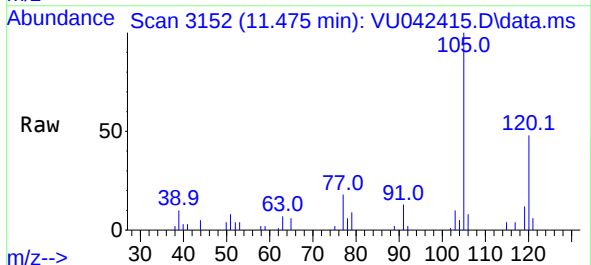
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-03

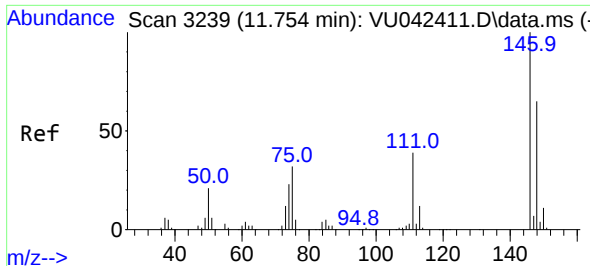
Tgt Ion:105 Resp: 11923
Ion Ratio Lower Upper
105 100
120 47.3 37.2 55.8



#63
1,2,4-Trimethylbenzene
Concen: 2.09 ug/L
RT: 11.475 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:105 Resp: 11600
Ion Ratio Lower Upper
105 100
120 46.6 35.2 52.8

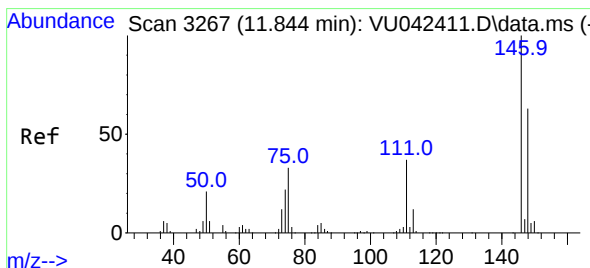
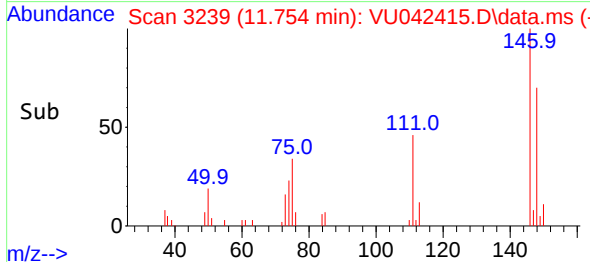
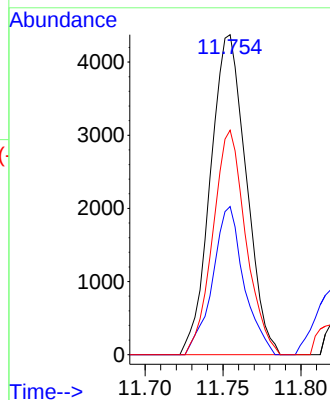
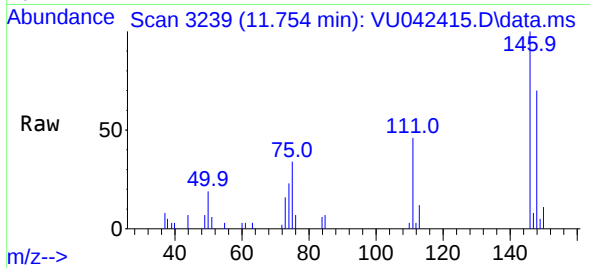




#64
1,3-Dichlorobenzene
Concen: 2.32 ug/L
RT: 11.754 min Scan# 3239
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

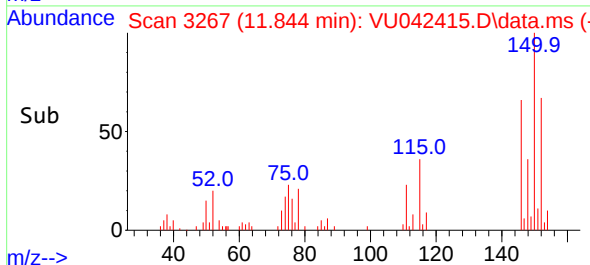
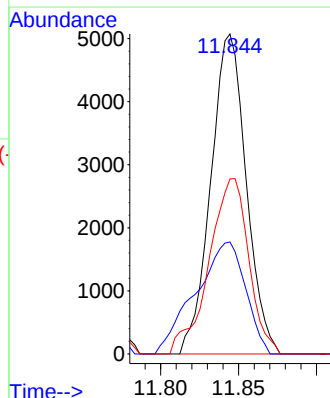
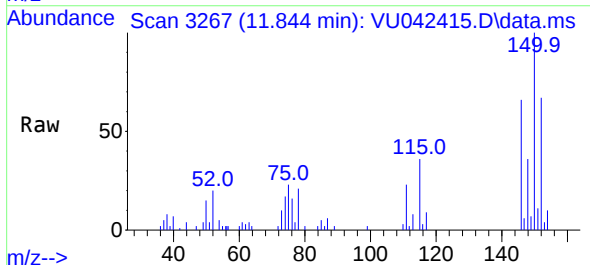
Instrument :
MSVOA_U
ClientSampleId :
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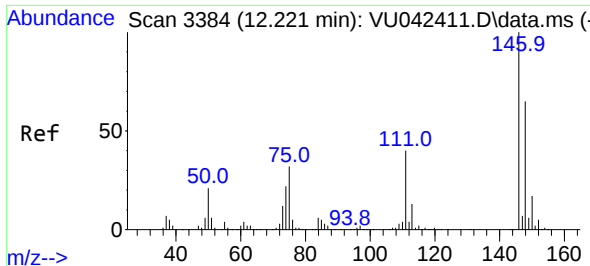
Tgt Ion:146 Resp: 6983
Ion Ratio Lower Upper
146 100
111 46.3 27.6 51.2
148 70.1 45.4 84.2



#65
1,4-Dichlorobenzene
Concen: 2.62 ug/L
RT: 11.844 min Scan# 3267
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:146 Resp: 8028
Ion Ratio Lower Upper
146 100
111 34.9 26.6 49.4
148 50.3 44.6 82.8

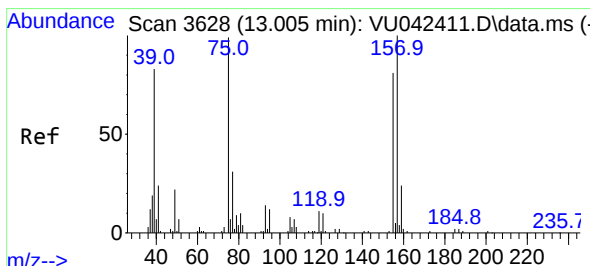
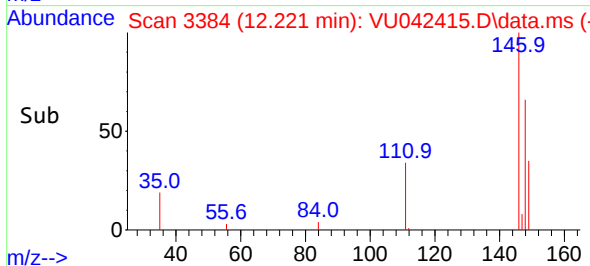
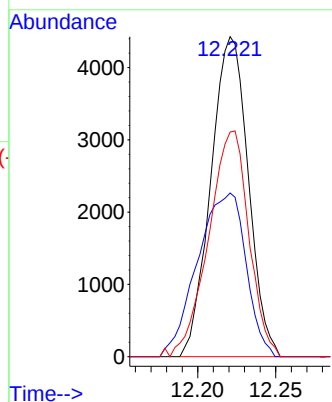
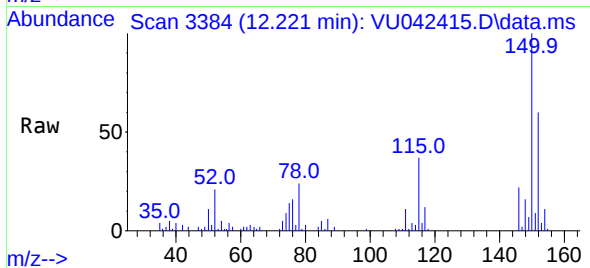




#67
1,2-Dichlorobenzene
Concen: 2.39 ug/L
RT: 12.221 min Scan# 3384
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

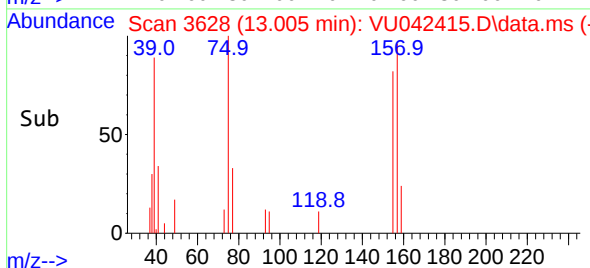
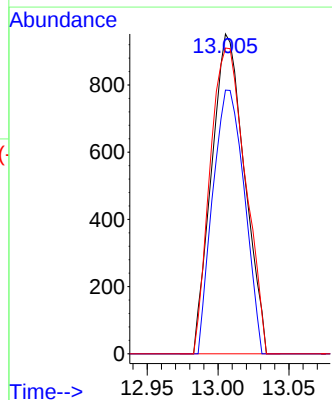
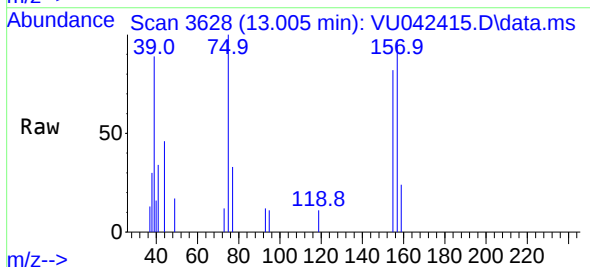
Instrument :
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ClientSampleId :
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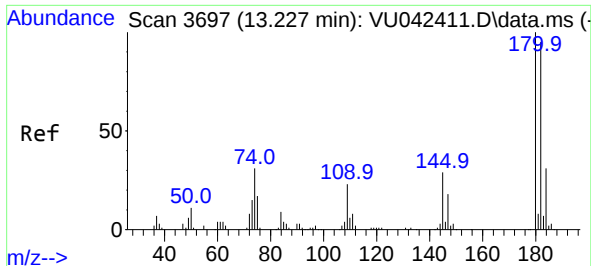
Tgt Ion:146 Resp: 7390
Ion Ratio Lower Upper
146 100
111 51.2 31.9 47.9#
148 70.2 50.2 75.4



#68
1,2-Dibromo-3-chloropropane
Concen: 2.19 ug/L
RT: 13.005 min Scan# 3628
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion: 75 Resp: 1539
Ion Ratio Lower Upper
75 100
155 82.5 65.2 97.8
157 95.6 82.7 124.1



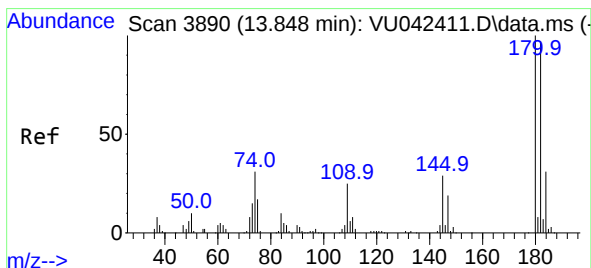
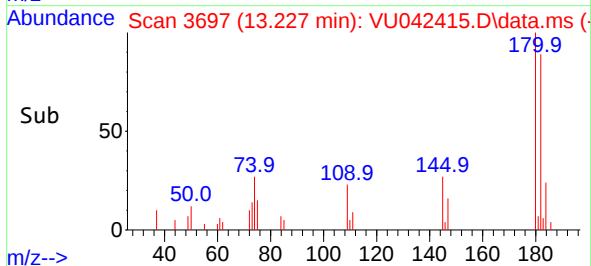
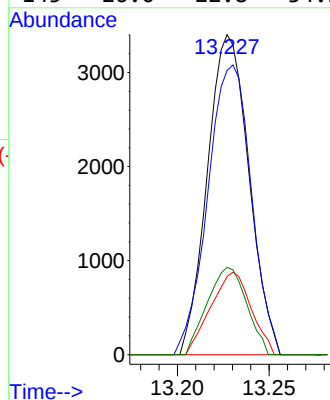
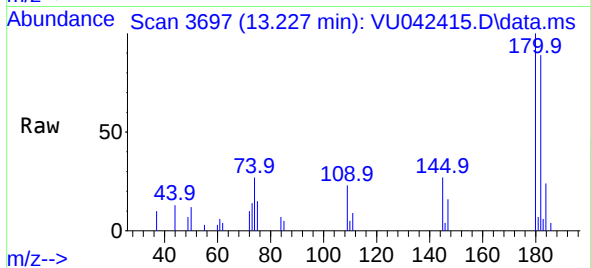


#69
1,3,5-Trichlorobenzene
Concen: 2.30 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Instrument :
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ClientSampleId :
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Tgt Ion:180 Resp: 5339

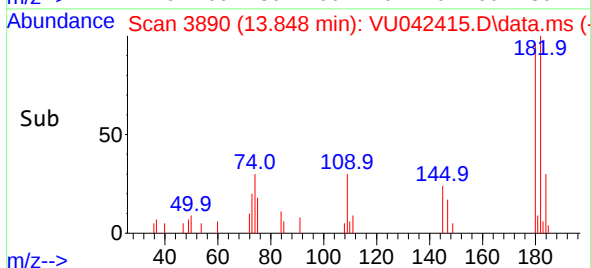
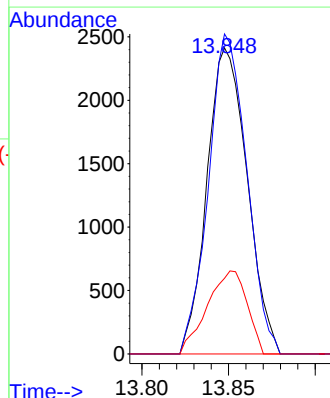
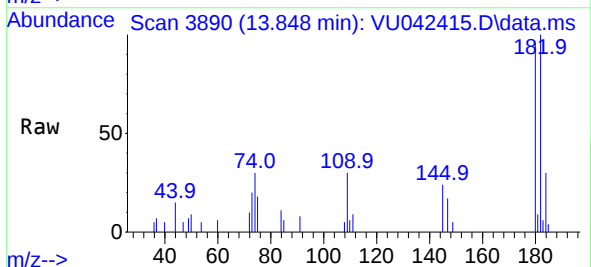
Ion	Ratio	Lower	Upper
180	100		
182	94.6	76.8	115.2
184	25.1	24.1	36.1
145	26.0	22.8	34.2

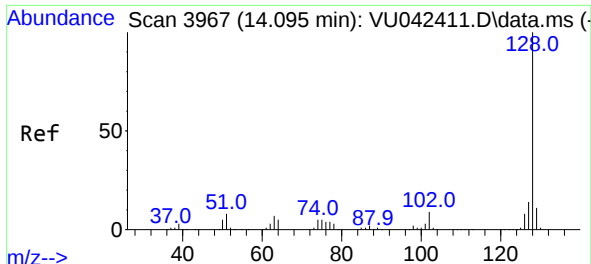


#70
1,2,4-trichlorobenzene
Concen: 2.00 ug/L
RT: 13.848 min Scan# 3890
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Tgt Ion:180 Resp: 3894

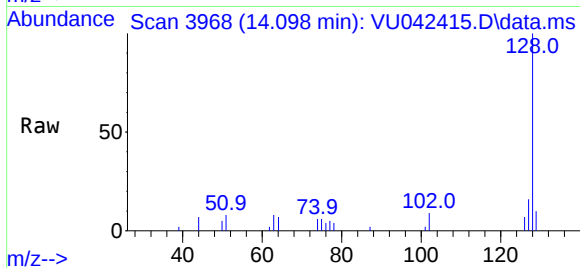
Ion	Ratio	Lower	Upper
180	100		
182	99.7	77.2	115.8
145	26.8	23.7	35.5





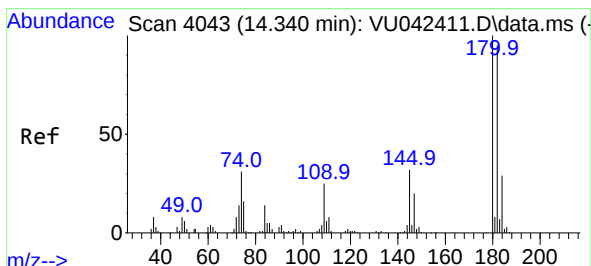
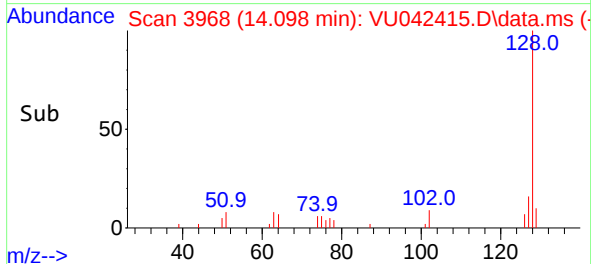
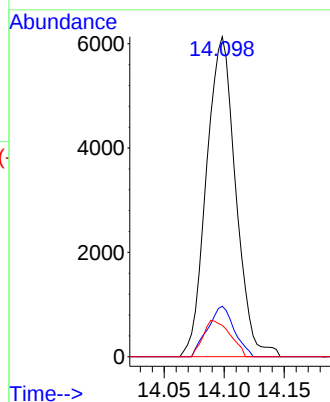
#71
Naphthalene
Concen: 1.70 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46

Instrument :
MSVOA_U
ClientSampleId :
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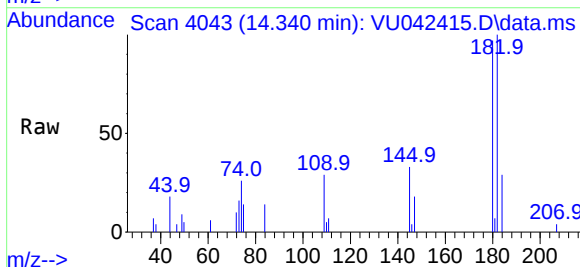


Tgt Ion:128 Resp: 10401

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.8	16.2
129	10.5	8.7	13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.12 ug/L
RT: 14.340 min Scan# 4043
Delta R.T. 0.000 min
Lab File: VU042415.D
Acq: 23 Feb 2021 12:46



Tgt Ion:180 Resp: 4197

Ion	Ratio	Lower	Upper
180	100		
182	97.7	76.2	114.2
145	31.2	24.6	37.0

