

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU022421\
 Data File : VU042422.D
 Acq On : 24 Feb 2021 11:41
 Operator : SY/MD
 Sample : M1344-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Quant Time: Feb 25 02:15:51 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM020521WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Feb 25 02:14:03 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	204817	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.426	117	193057	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.822	152	98577	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.604	65	68269	44.29	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	88.58%		
7) Chloroethane-d5	1.915	69	57554	54.45	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	108.90%		
11) 1,1-Dichloroethene-d2	2.571	63	120766	36.71	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	73.42%		
21) 2-Butanone-d5	4.639	46	163178	102.32	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	102.32%		
24) Chloroform-d	5.073	84	149526	48.30	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	96.60%		
26) 1,2-Dichloroethane-d4	5.713	65	113480	51.82	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	103.64%		
32) Benzene-d6	5.738	84	276948	49.37	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	98.74%		
36) 1,2-Dichloropropane-d6	6.700	67	93392	49.85	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	99.70%		
41) Toluene-d8	7.906	98	259576	48.85	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	97.70%		
43) trans-1,3-Dichloroprop...	8.189	79	47719	48.99	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	97.98%		
47) 2-Hexanone-d5	8.645	63	106028	100.08	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	100.08%		
56) 1,1,2,2-Tetrachloroeth...	10.764	84	133893	48.00	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	96.00%		
66) 1,2-Dichlorobenzene-d4	12.201	152	104238	50.43	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	100.86%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.388	85	3485	2.03	ug/L	96
3) Chloromethane	1.523	50	3825	2.44	ug/L	99
5) Vinyl chloride	1.607	62	3770	2.43	ug/L #	56
6) Bromomethane	1.861	94	2373	2.73	ug/L	93
8) Chloroethane	1.938	64	2452	2.87	ug/L	100
9) Trichlorofluoromethane	2.144	101	5493	2.29	ug/L	100
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	4082	2.84	ug/L #	81
12) 1,1-Dichloroethene	2.581	96	3552	2.70	ug/L #	1
13) Acetone	2.649	43	6252	4.34	ug/L	94
14) Carbon disulfide	2.800	76	8600	2.17	ug/L	95
15) Methyl Acetate	2.960	43	4943	2.23	ug/L #	87
16) Methylene chloride	3.057	84	3778	2.54	ug/L	93
17) trans-1,2-Dichloroethene	3.366	96	2950	2.15	ug/L	89
18) Methyl tert-butyl Ether	3.375	73	10725	2.18	ug/L #	87
19) 1,1-Dichloroethane	3.880	63	6193	2.18	ug/L	98
20) cis-1,2-Dichloroethene	4.674	96	3460	2.25	ug/L	82
22) 2-Butanone	4.722	43	6998	3.75	ug/L	77
23) Bromochloromethane	4.989	128	1646	2.01	ug/L	86
25) Chloroform	5.095	83	6677	2.32	ug/L	94
27) 1,2-Dichloroethane	5.806	62	6109	2.40	ug/L	100

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 ALS Vial : 7 Sample Multiplier: 1

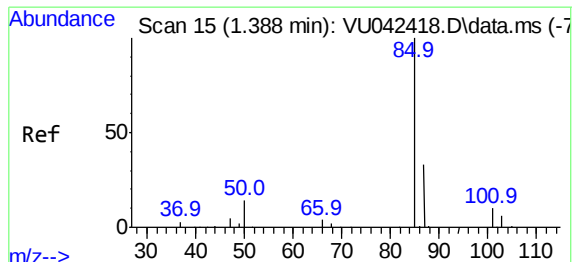
Instrument :
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 ClientSampleId :
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Quant Time: Feb 25 02:15:51 2021
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 Quant Title : VOC Analysis
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 Response via : Initial Calibration

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

29) Cyclohexane	5.398	56	5410	2.10	ug/L #	93
30) 1,1,1-Trichloroethane	5.327	97	5797	2.19	ug/L	98
31) Carbon tetrachloride	5.533	117	4517	1.99	ug/L	97
33) Benzene	5.783	78	13432	2.28	ug/L	100
34) Trichloroethene	6.552	95	3285	2.12	ug/L	92
35) Methylcyclohexane	6.771	83	4767	2.00	ug/L	99
37) 1,2-Dichloropropane	6.800	63	3633	2.20	ug/L #	89
38) Bromodichloromethane	7.118	83	4432	2.00	ug/L #	89
39) cis-1,3-Dichloropropene	7.616	75	5870	2.28	ug/L	96
40) 4-Methyl-2-pentanone	7.803	43	13100	4.01	ug/L	98
42) Toluene	7.976	91	13321	2.11	ug/L	93
44) trans-1,3-Dichloropropene	8.217	75	5226	2.06	ug/L	95
45) 1,1,2-Trichloroethane	8.410	97	3179	2.10	ug/L	86
46) Tetrachloroethene	8.558	164	2701	2.21	ug/L	93
48) 2-Hexanone	8.697	43	13389	5.07	ug/L #	95
49) Dibromochloromethane	8.816	129	3531	2.00	ug/L	99
50) 1,2-Dibromoethane	8.931	107	3539	2.08	ug/L #	96
51) Chlorobenzene	9.459	112	8183	2.04	ug/L	96
52) Ethylbenzene	9.578	91	15159	2.16	ug/L	99
53) m,p-Xylene	9.703	106	5486	2.10	ug/L	92
54) o-xylene	10.108	106	5356	2.06	ug/L	99
55) Styrene	10.121	104	8484	1.91	ug/L	97
57) 1,1,2,2-Tetrachloroethane	10.790	83	5854	2.12	ug/L	96
59) Bromoform	10.298	173	2702	1.95	ug/L	99
60) 1,2,3-Trichloropropane	10.832	75	4882	2.25	ug/L	95
61) Isopropylbenzene	10.491	105	14030	2.14	ug/L	100
62) 1,3,5-Trimethylbenzene	11.095	105	12025	2.12	ug/L	97
63) 1,2,4-Trimethylbenzene	11.478	105	11761	2.06	ug/L	99
64) 1,3-Dichlorobenzene	11.751	146	6704	2.17	ug/L	96
65) 1,4-Dichlorobenzene	11.844	146	6957	2.21	ug/L	96
67) 1,2-Dichlorobenzene	12.221	146	7189	2.26	ug/L	94
68) 1,2-Dibromo-3-chloropr...	13.005	75	1444	2.00	ug/L	87
69) 1,3,5-Trichlorobenzene	13.227	180	5057	2.12	ug/L	97
70) 1,2,4-trichlorobenzene	13.847	180	3798	1.90	ug/L	97
71) Naphthalene	14.098	128	9528	1.51	ug/L	98
72) 1,2,3-Trichlorobenzene	14.339	180	3970	1.95	ug/L	87

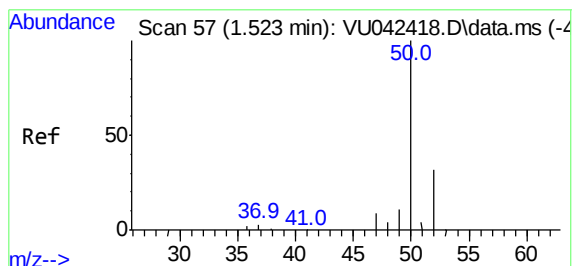
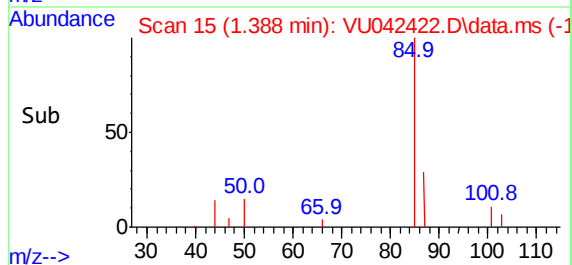
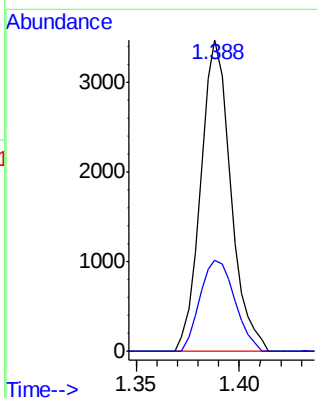
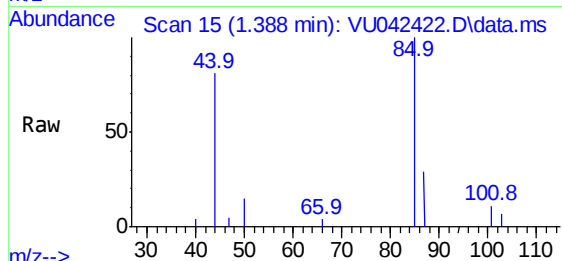
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#2
Dichlorodifluoromethane
Concen: 2.03 ug/L
RT: 1.388 min Scan# 15
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

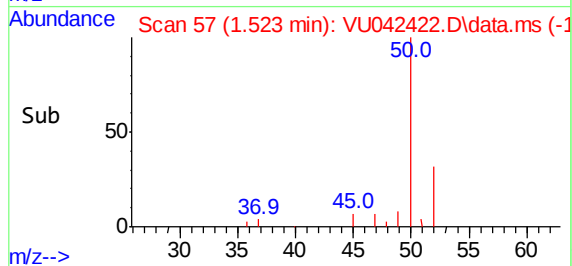
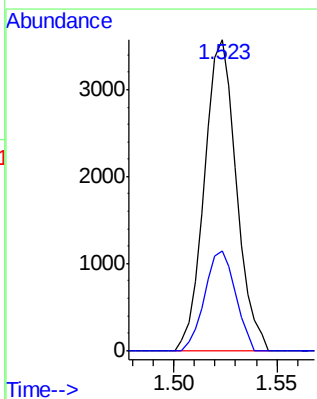
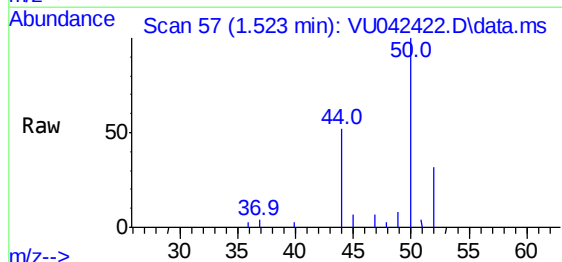
Instrument :
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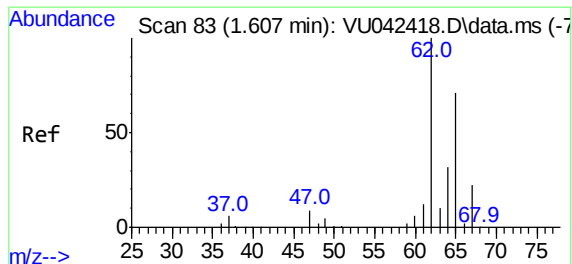
Tgt Ion: 85 Resp: 3485
Ion Ratio Lower Upper
85 100
87 33.8 25.4 38.2



#3
Chloromethane
Concen: 2.44 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 50 Resp: 3825
Ion Ratio Lower Upper
50 100
52 32.1 22.8 42.4

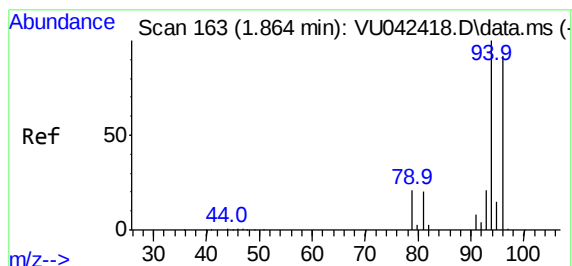
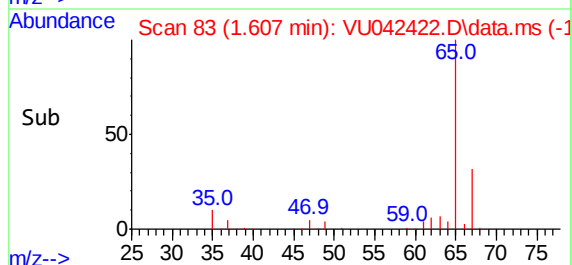
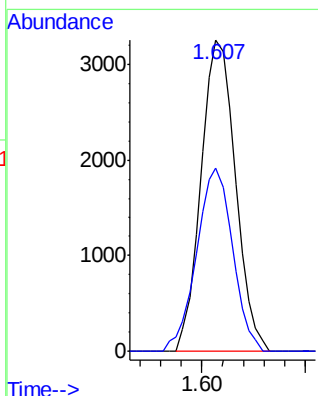
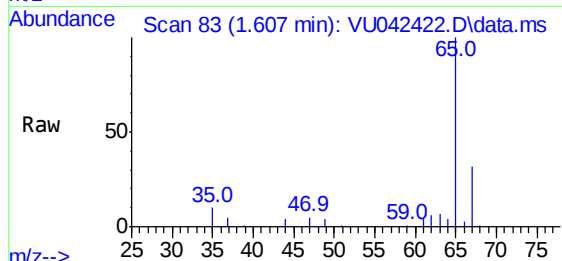




#5
 Vinyl chloride
 Concen: 2.43 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

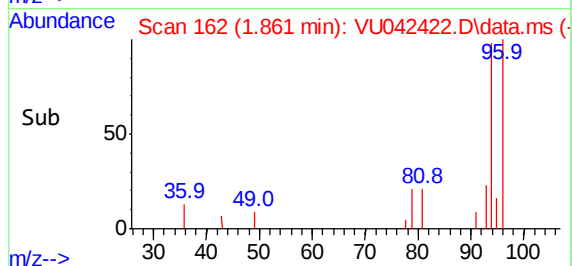
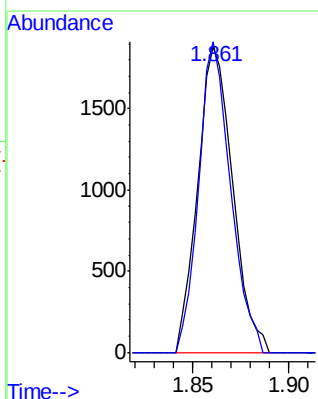
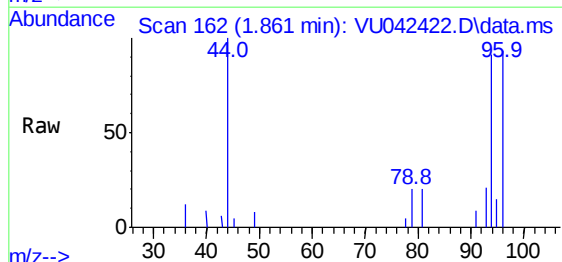
Instrument :
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 MDL-MED-SOIL-QT2-2021-04

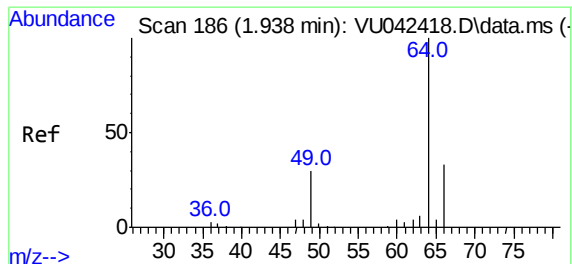
Tgt Ion: 62 Resp: 3770
 Ion Ratio Lower Upper
 62 100
 64 58.9 23.6 43.8#



#6
 Bromomethane
 Concen: 2.73 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.003 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion: 94 Resp: 2373
 Ion Ratio Lower Upper
 94 100
 96 101.8 66.3 123.1

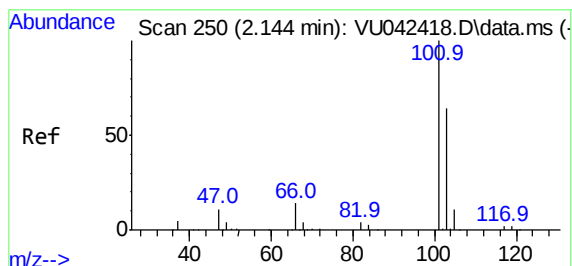
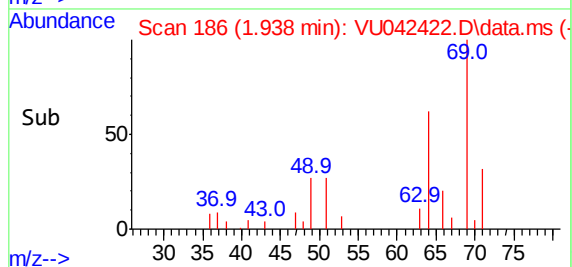
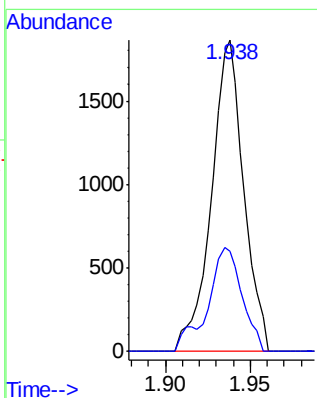
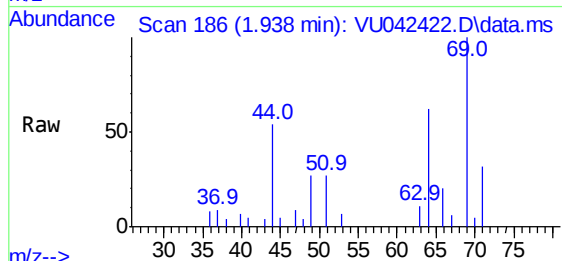




#8
Chloroethane
Concen: 2.87 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

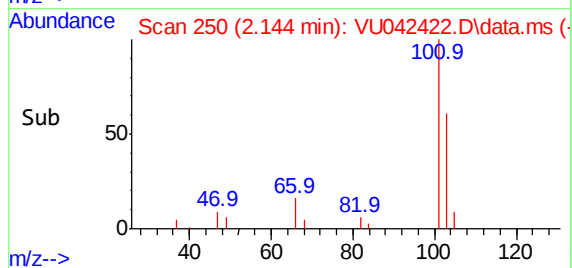
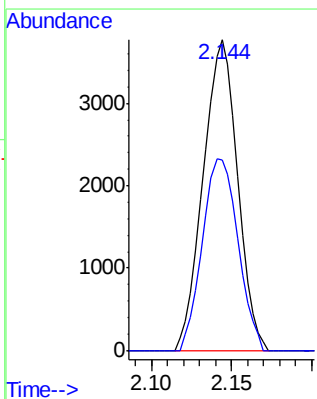
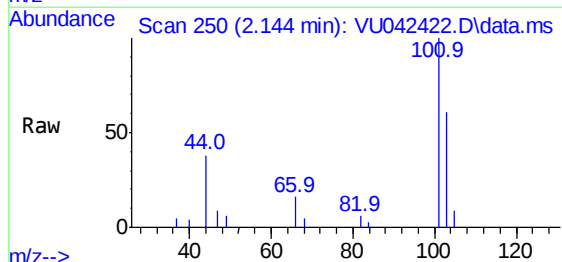
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

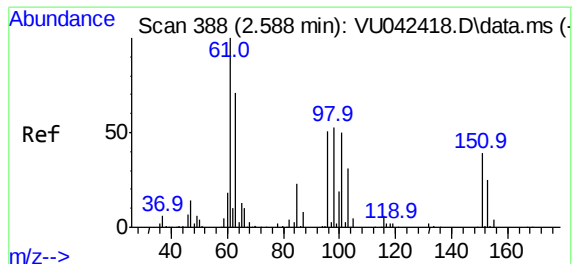
Tgt Ion: 64 Resp: 2452
Ion Ratio Lower Upper
64 100
66 32.0 22.5 41.7



#9
Trichlorofluoromethane
Concen: 2.29 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 101 Resp: 5493
Ion Ratio Lower Upper
101 100
103 63.9 51.4 77.0

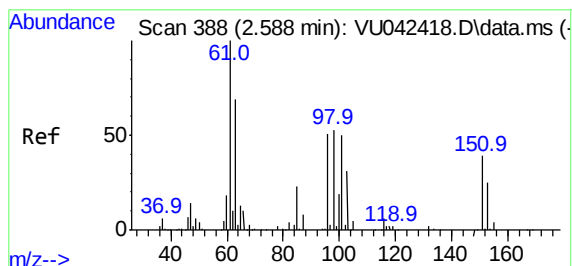
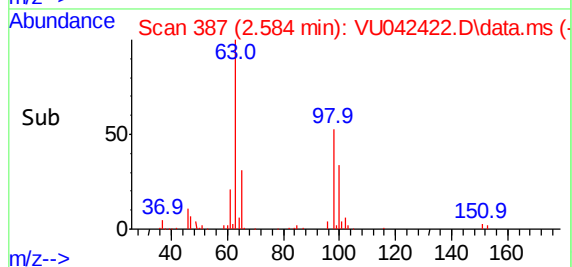
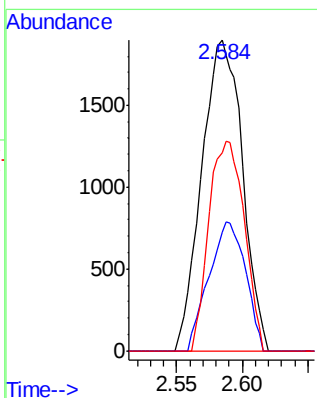
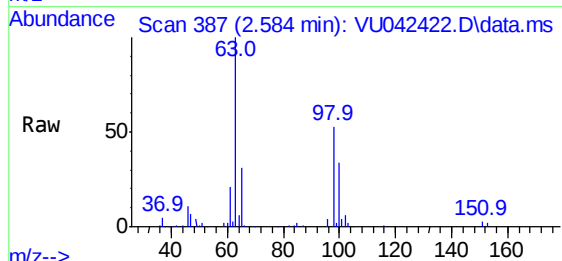




#10
 1,1,2-Trichloro-1,2,2-trifluoroethane
 Concen: 2.84 ug/L
 RT: 2.584 min Scan# 387
 Delta R.T. -0.003 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

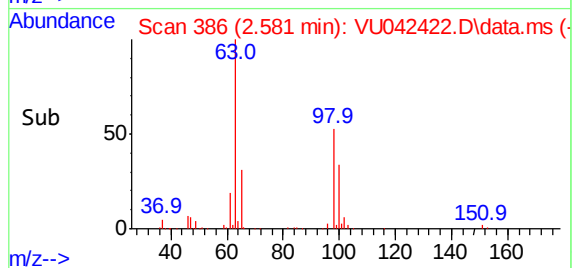
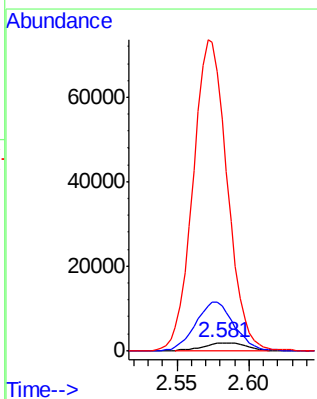
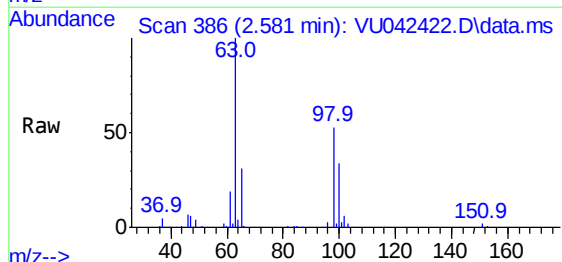
Instrument :
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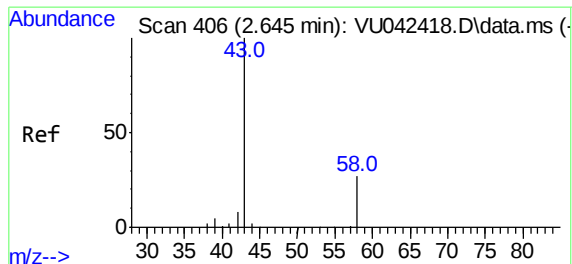
Tgt Ion:101 Resp: 4082
 Ion Ratio Lower Upper
 101 100
 85 37.2 36.7 55.1
 151 58.9 62.9 94.3#



#12
 1,1-Dichloroethene
 Concen: 2.70 ug/L
 RT: 2.581 min Scan# 386
 Delta R.T. -0.007 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion: 96 Resp: 3552
 Ion Ratio Lower Upper
 96 100
 61 563.2 131.6 244.4#
 63 2931.6 92.6 172.0#

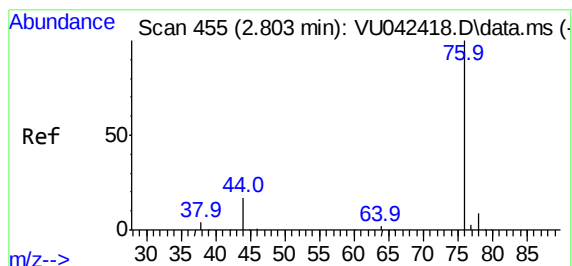
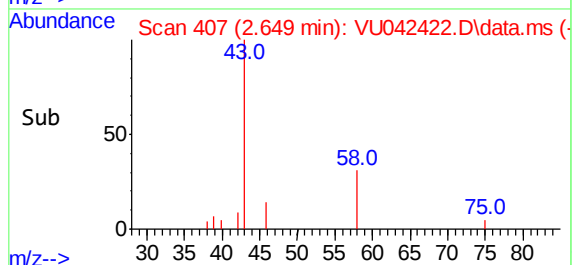
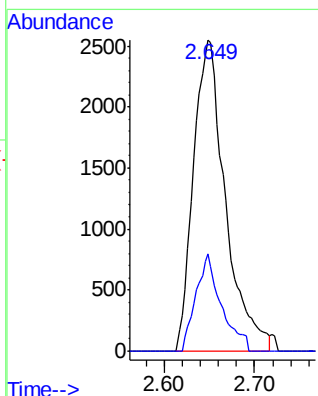
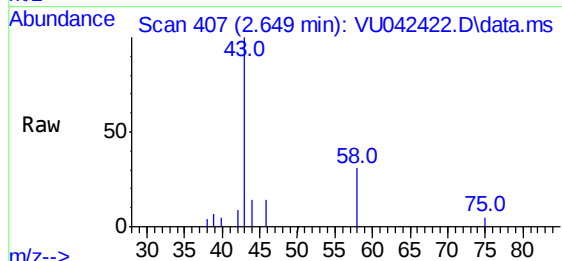




#13
Acetone
Concen: 4.34 ug/L
RT: 2.649 min Scan# 407
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

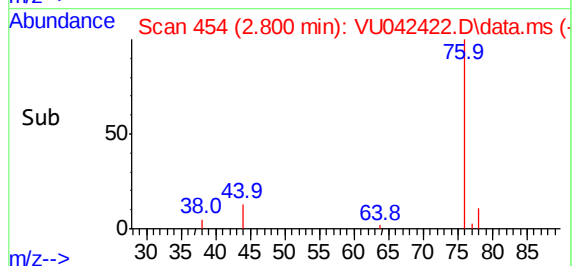
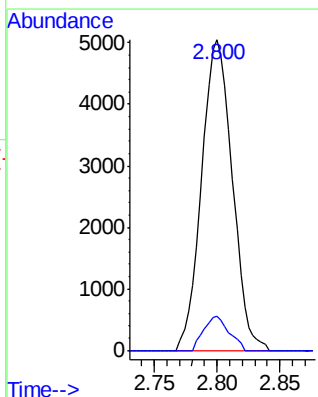
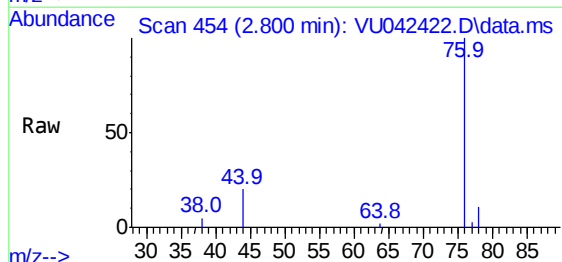
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

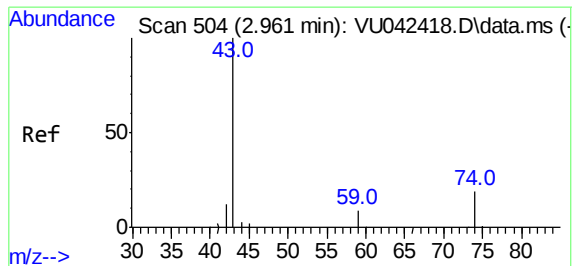
Tgt Ion: 43 Resp: 6252
Ion Ratio Lower Upper
43 100
58 23.9 0.0 54.0



#14
Carbon disulfide
Concen: 2.17 ug/L
RT: 2.800 min Scan# 454
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 76 Resp: 8600
Ion Ratio Lower Upper
76 100
78 11.0 7.4 11.0

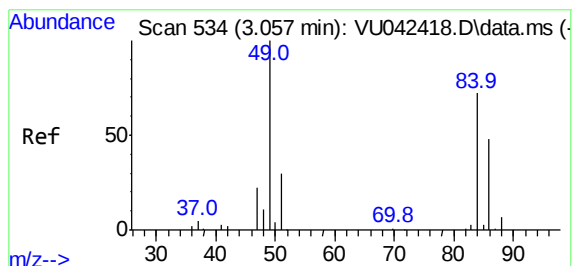
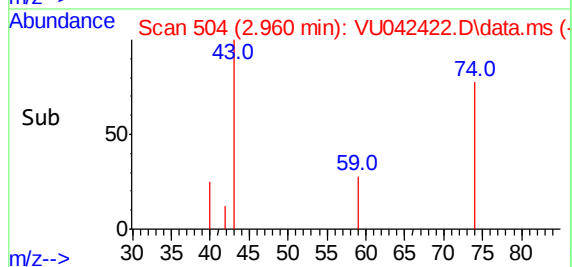
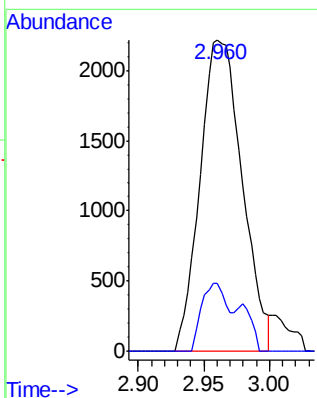
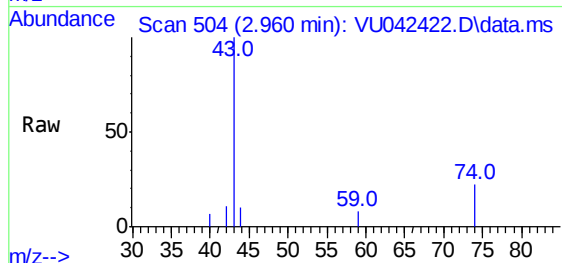




#15
Methyl Acetate
Concen: 2.23 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

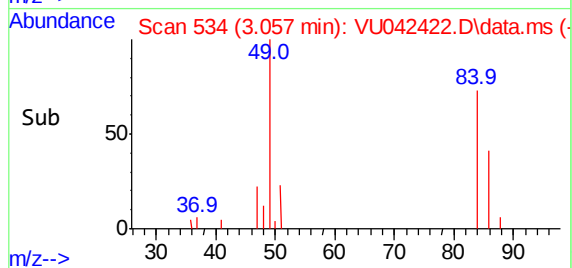
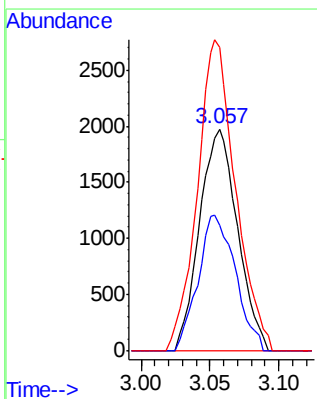
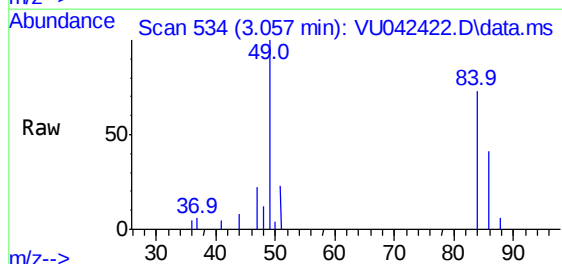
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

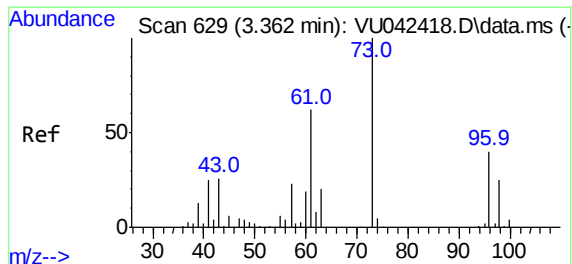
Tgt Ion: 43 Resp: 4943
Ion Ratio Lower Upper
43 100
74 13.8 15.8 23.6#



#16
Methylene chloride
Concen: 2.54 ug/L
RT: 3.057 min Scan# 534
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 84 Resp: 3778
Ion Ratio Lower Upper
84 100
86 56.7 46.0 85.4
49 136.9 99.5 184.9

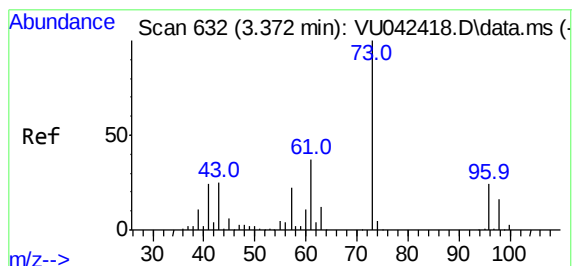
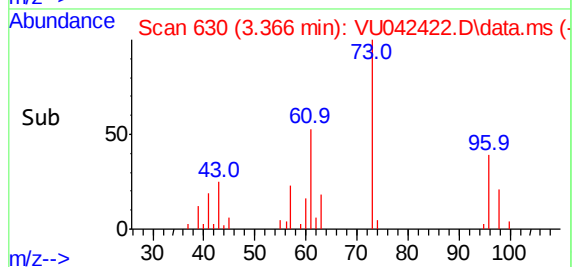
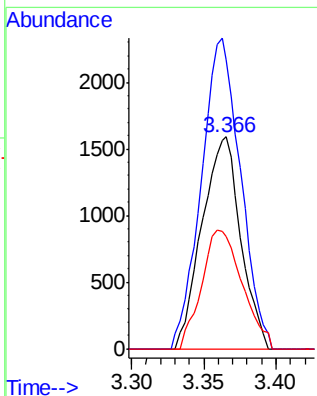
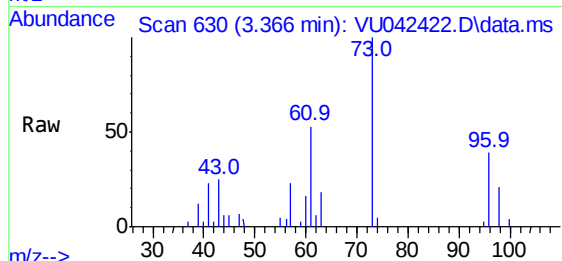




#17
trans-1,2-Dichloroethene
Concen: 2.15 ug/L
RT: 3.366 min Scan# 630
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

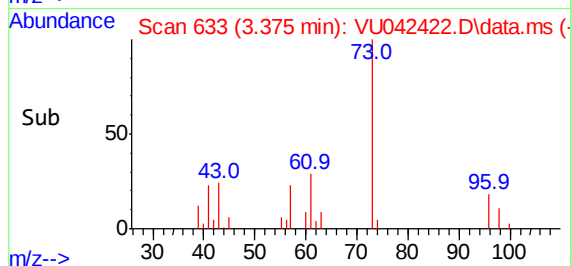
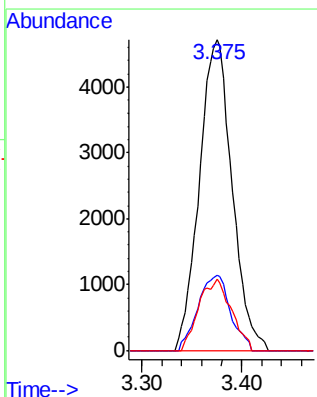
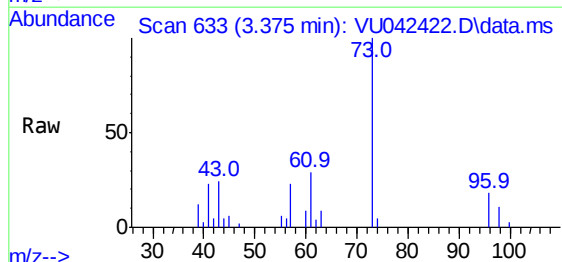
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

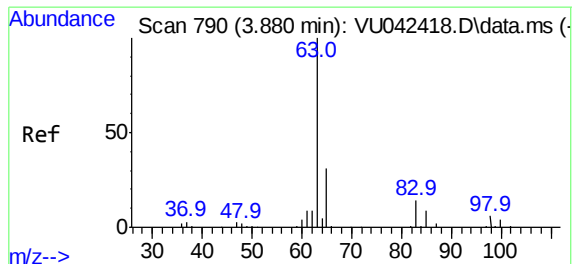
Tgt Ion: 96 Resp: 2950
Ion Ratio Lower Upper
96 100
61 136.3 104.6 194.2
98 53.2 44.4 82.4



#18
Methyl tert-butyl Ether
Concen: 2.18 ug/L
RT: 3.375 min Scan# 633
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 73 Resp: 10725
Ion Ratio Lower Upper
73 100
43 24.0 19.4 29.0
57 9.6 18.2 27.2#

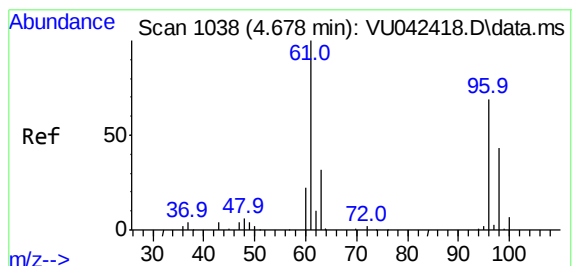
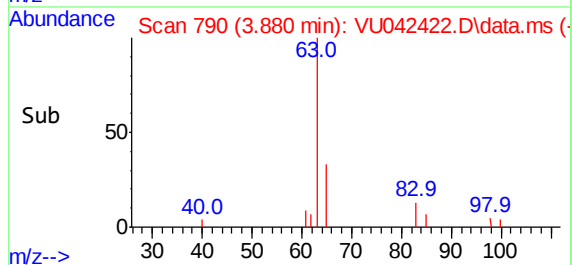
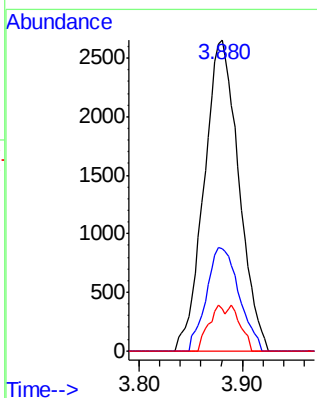
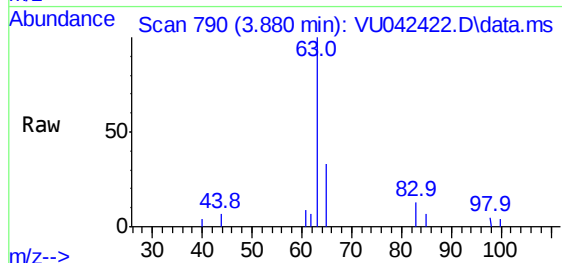




#19
1,1-Dichloroethane
Concen: 2.18 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

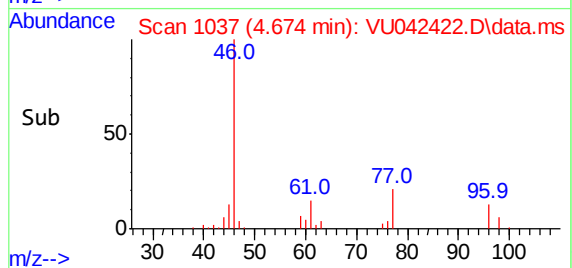
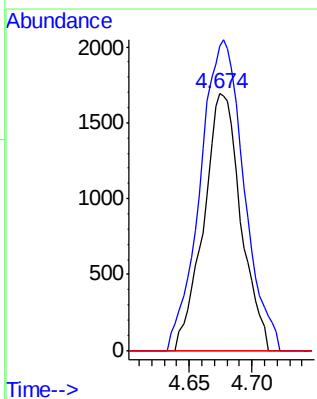
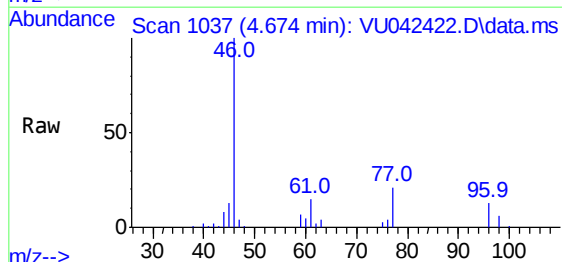
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

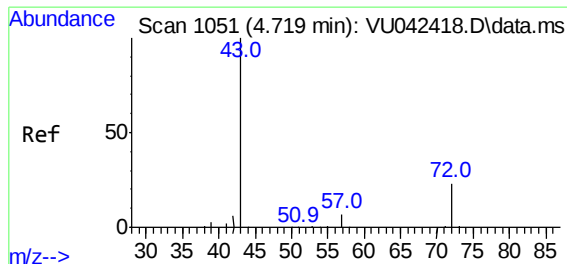
Tgt Ion:	63	Resp:	6193
Ion	Ratio	Lower	Upper
63	100		
65	32.7	21.8	40.4
83	13.3	9.1	16.9



#20
cis-1,2-Dichloroethene
Concen: 2.25 ug/L
RT: 4.674 min Scan# 1037
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion:	96	Resp:	3460
Ion	Ratio	Lower	Upper
96	100		
61	118.9	98.6	183.0
68	0.0	0.0	0.0

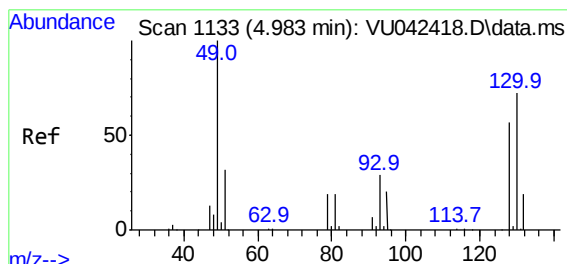
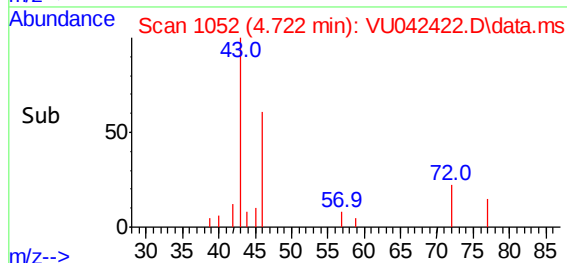
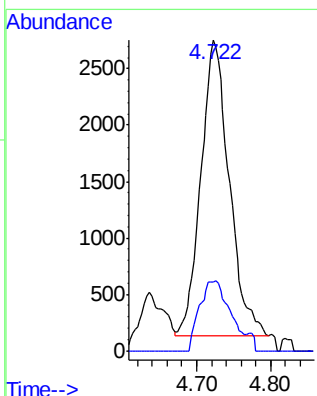
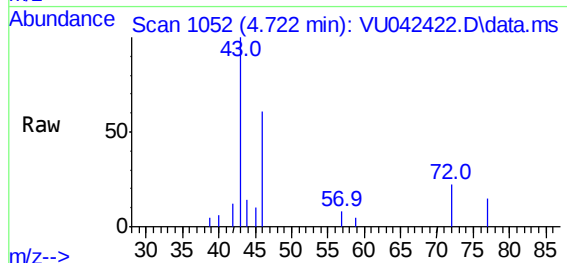




#22
2-Butanone
Concen: 3.75 ug/L
RT: 4.722 min Scan# 1052
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

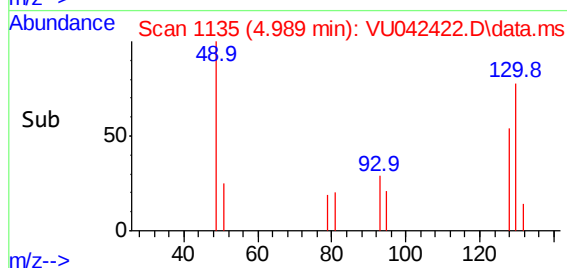
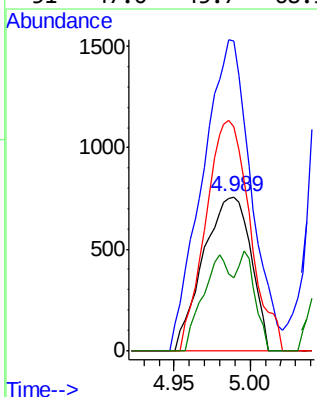
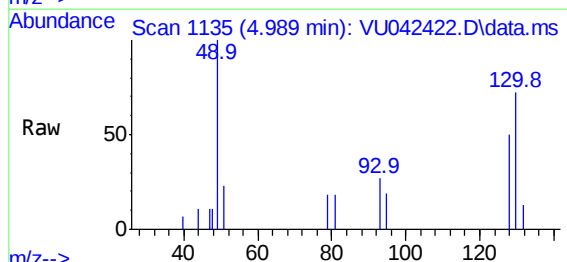
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

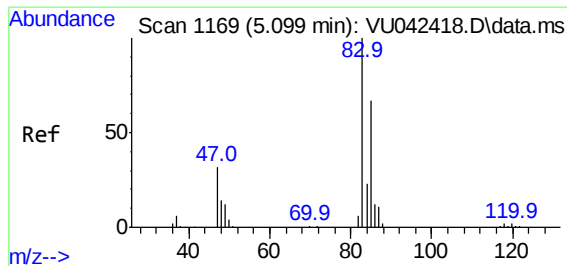
Tgt Ion: 43 Resp: 6998
Ion Ratio Lower Upper
43 100
72 12.0 11.7 35.1



#23
Bromochloromethane
Concen: 2.01 ug/L
RT: 4.989 min Scan# 1135
Delta R.T. 0.006 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 128 Resp: 1646
Ion Ratio Lower Upper
128 100
49 201.3 125.9 233.9
130 145.1 91.7 170.3
51 47.0 45.7 68.5

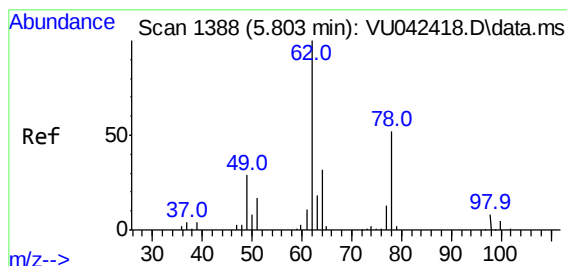
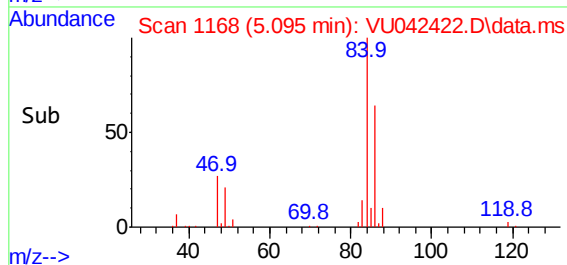
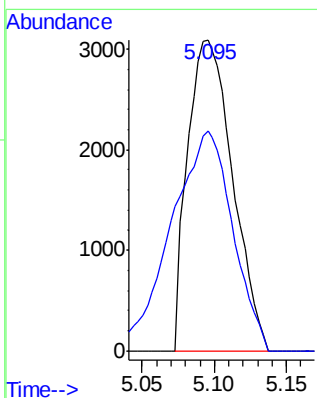
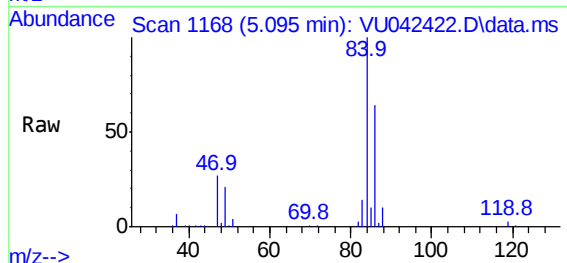




#25
Chloroform
Concen: 2.32 ug/L
RT: 5.095 min Scan# 1168
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

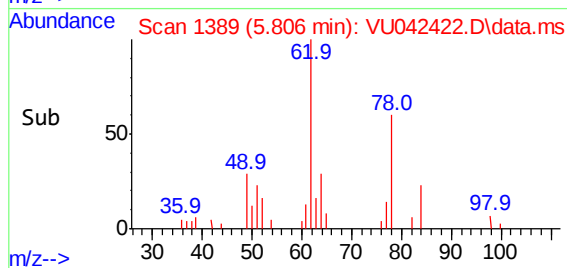
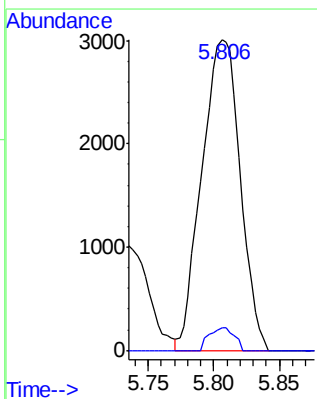
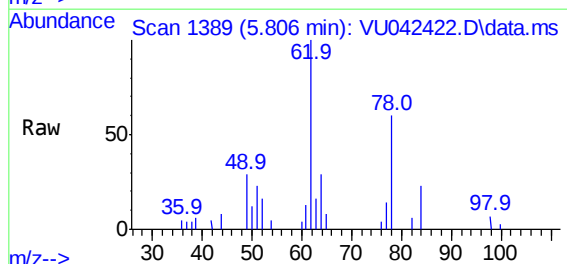
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

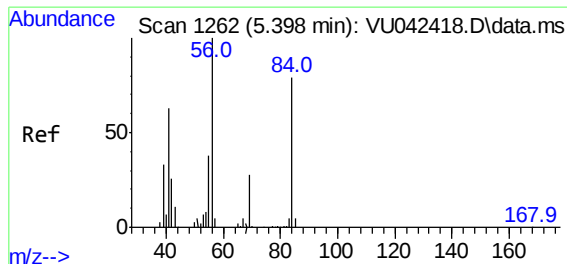
Tgt Ion: 83 Resp: 6677
Ion Ratio Lower Upper
83 100
85 70.8 46.1 85.5



#27
1,2-Dichloroethane
Concen: 2.40 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 62 Resp: 6109
Ion Ratio Lower Upper
62 100
98 7.4 5.8 8.8

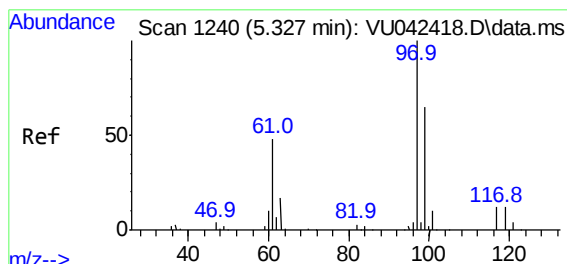
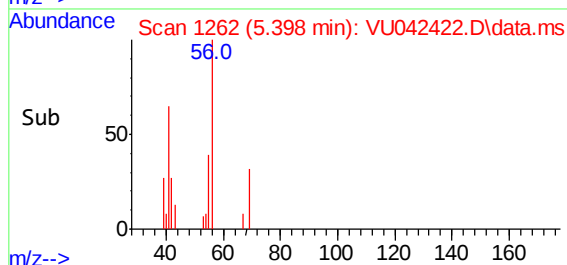
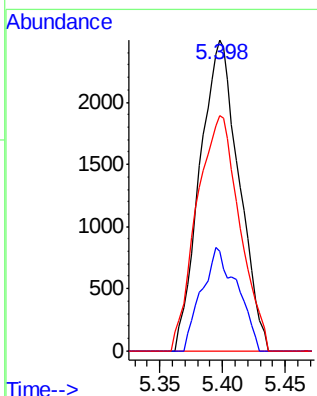
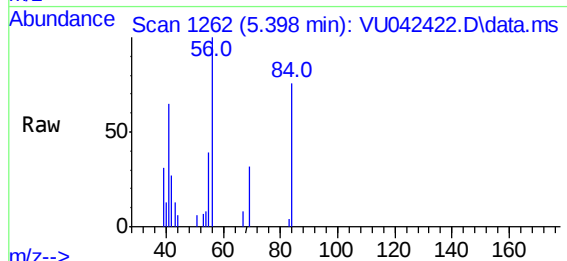




#29
Cyclohexane
Concen: 2.10 ug/L
RT: 5.398 min Scan# 1262
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

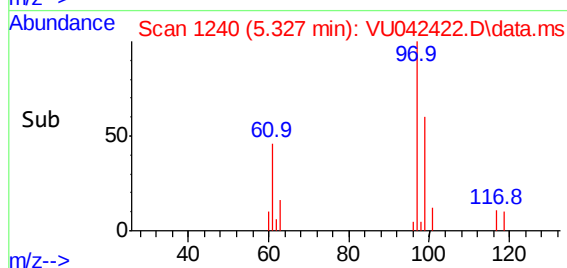
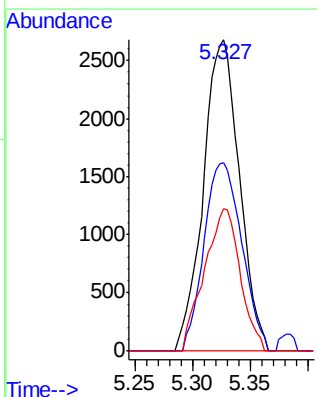
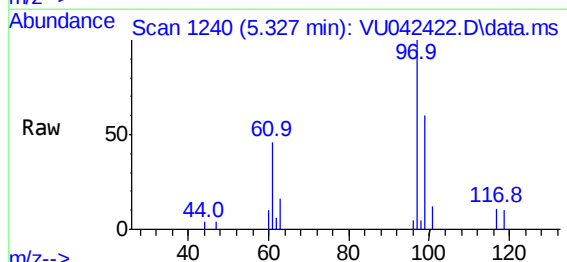
Instrument :
MSVOA_U
ClientSampleId :
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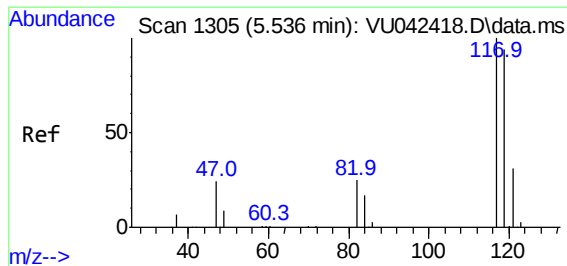
Tgt Ion: 56 Resp: 5410
Ion Ratio Lower Upper
56 100
69 20.9 23.5 35.3#
84 83.1 64.2 96.2



#30
1,1,1-Trichloroethane
Concen: 2.19 ug/L
RT: 5.327 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 97 Resp: 5797
Ion Ratio Lower Upper
97 100
99 63.2 51.3 76.9
61 45.2 37.7 56.5

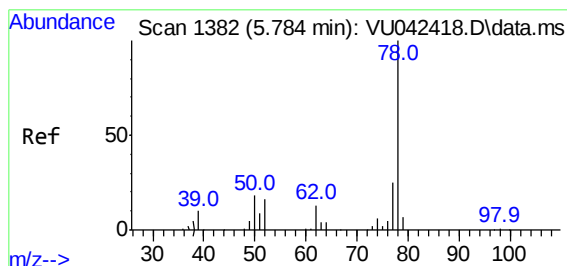
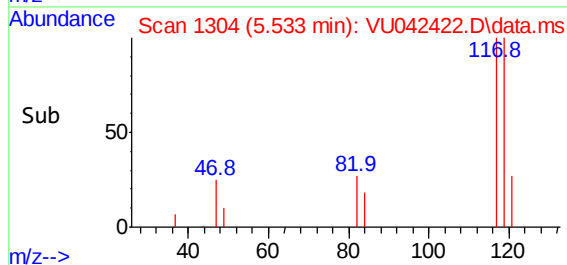
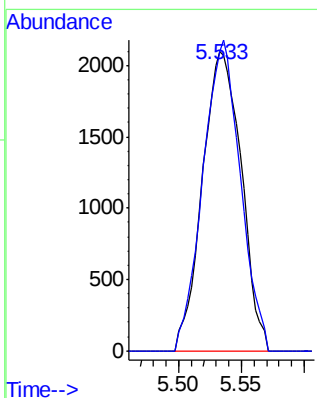
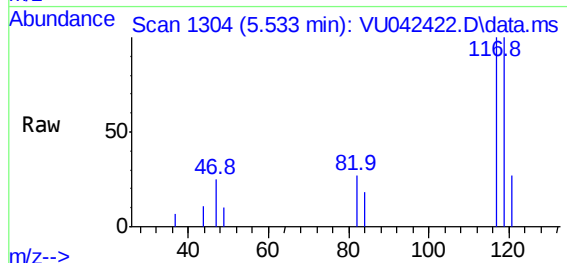




#31
Carbon tetrachloride
Concen: 1.99 ug/L
RT: 5.533 min Scan# 1304
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

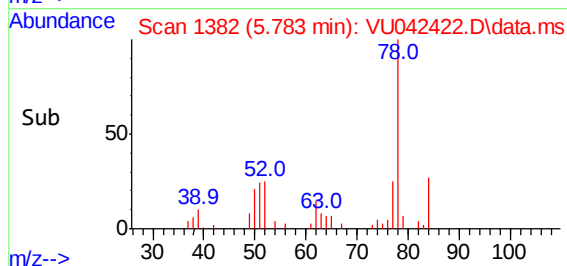
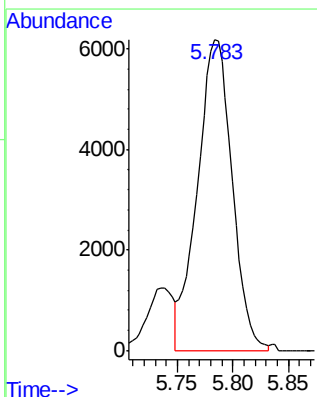
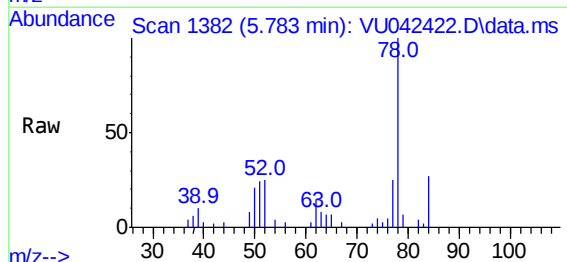
Instrument :
MSVOA_U
ClientSampleId :
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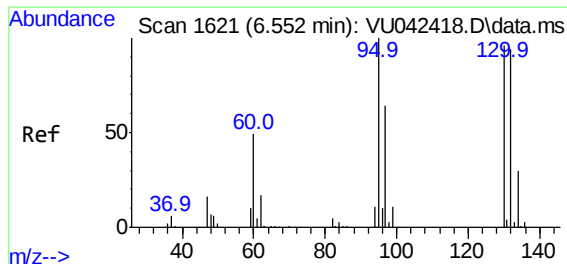
Tgt Ion:117 Resp: 4517
Ion Ratio Lower Upper
117 100
119 100.0 77.5 116.3



#33
Benzene
Concen: 2.28 ug/L
RT: 5.783 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 78 Resp: 13432



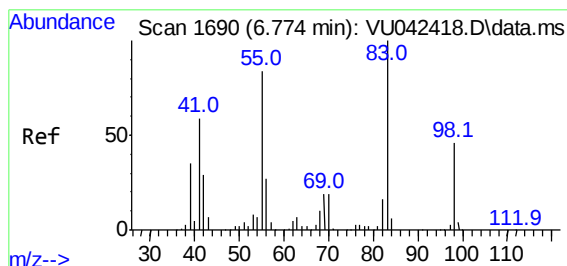
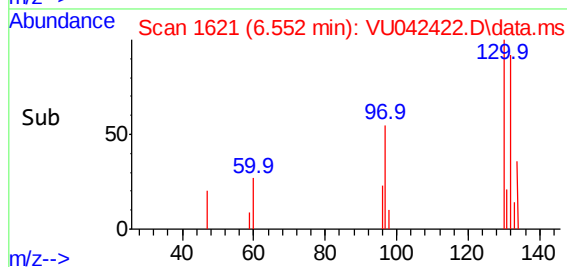
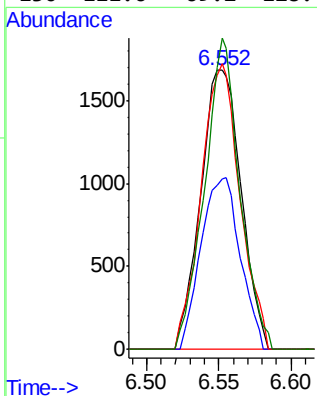
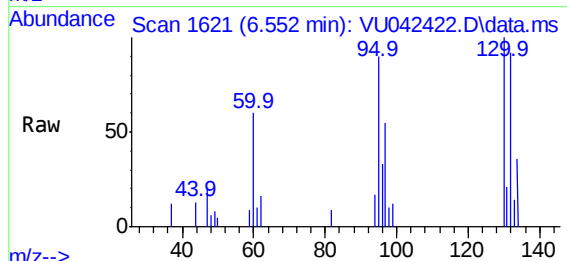


#34
Trichloroethene
Concen: 2.12 ug/L
RT: 6.552 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

Tgt Ion: 95 Resp: 3285

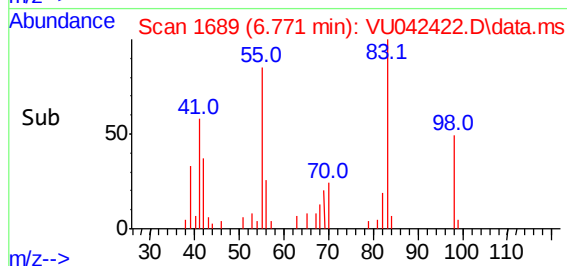
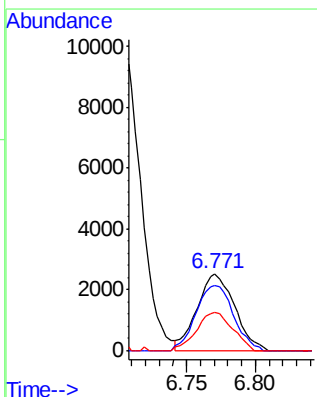
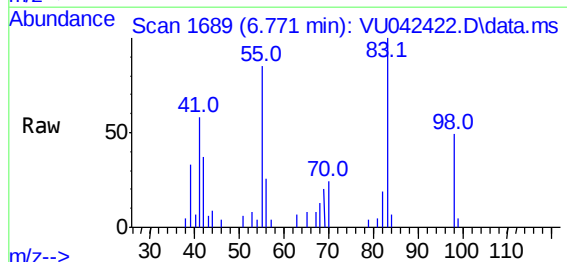
Ion	Ratio	Lower	Upper
95	100		
97	61.0	45.3	84.1
132	102.4	67.5	125.4
130	111.6	69.2	128.4

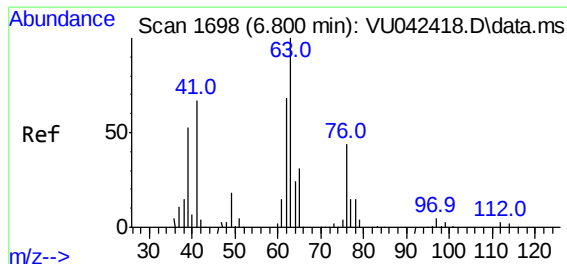


#35
Methylcyclohexane
Concen: 2.00 ug/L
RT: 6.771 min Scan# 1689
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 83 Resp: 4767

Ion	Ratio	Lower	Upper
83	100		
55	84.9	68.6	102.8
98	47.5	37.6	56.4

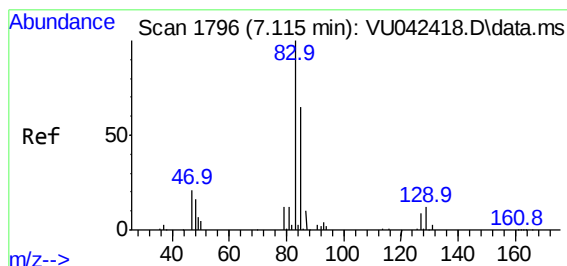
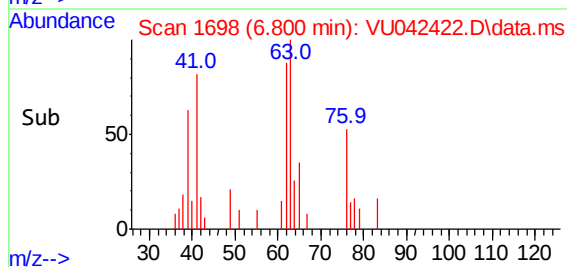
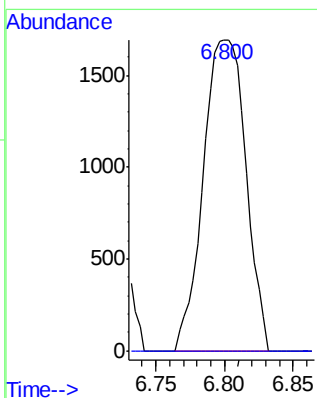
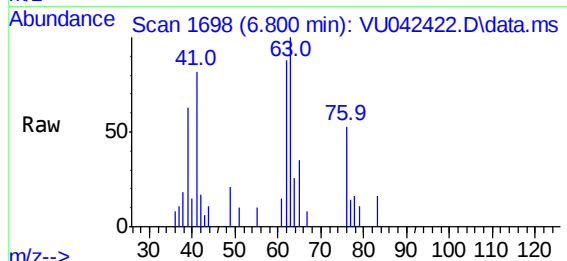




#37
1,2-Dichloropropane
Concen: 2.20 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

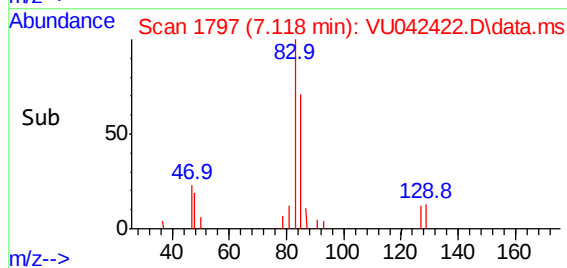
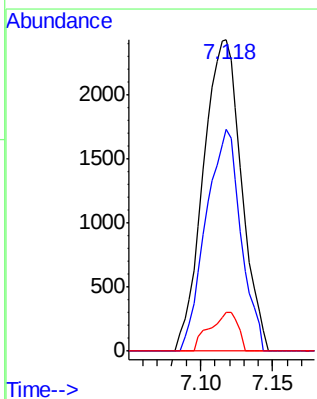
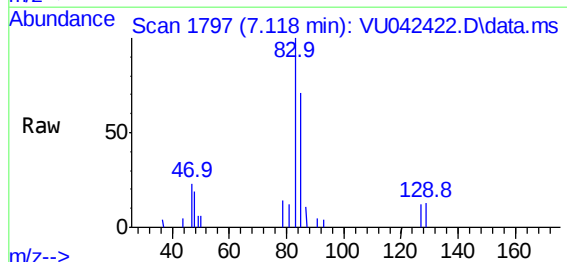
Instrument :
MSVOA_U
ClientSampleId :
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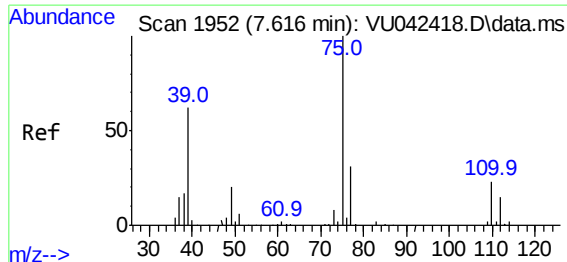
Tgt Ion: 63 Resp: 3633
Ion Ratio Lower Upper
63 100
112 0.0 3.0 4.4#



#38
Bromodichloromethane
Concen: 2.00 ug/L
RT: 7.118 min Scan# 1797
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 83 Resp: 4432
Ion Ratio Lower Upper
83 100
85 71.3 43.8 81.4
127 12.1 6.8 10.2#

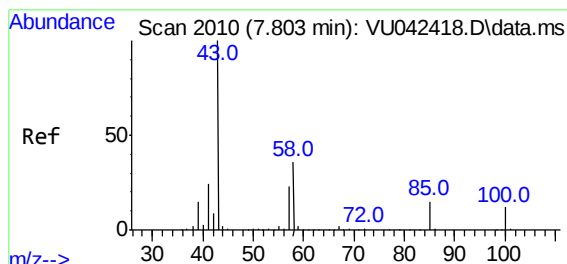
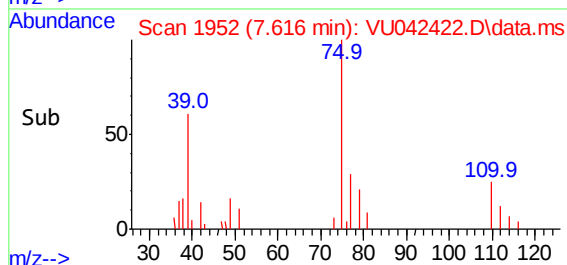
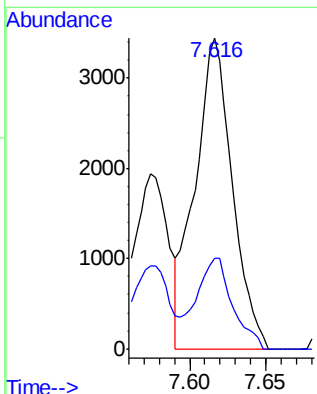
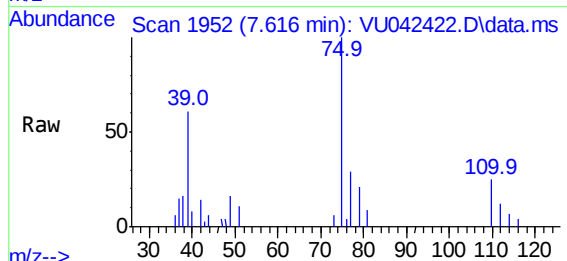




#39
 cis-1,3-Dichloropropene
 Concen: 2.28 ug/L
 RT: 7.616 min Scan# 1952
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

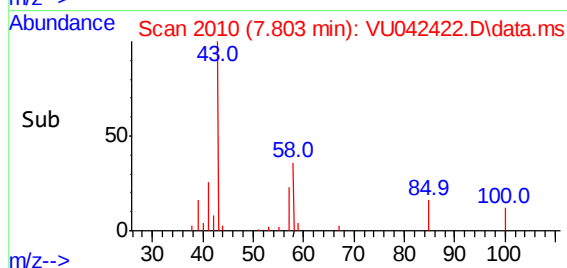
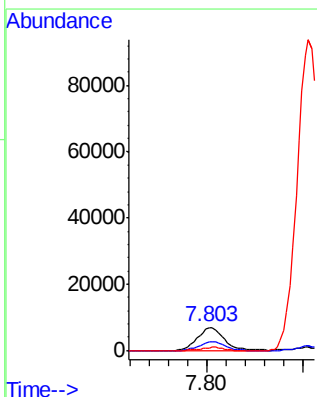
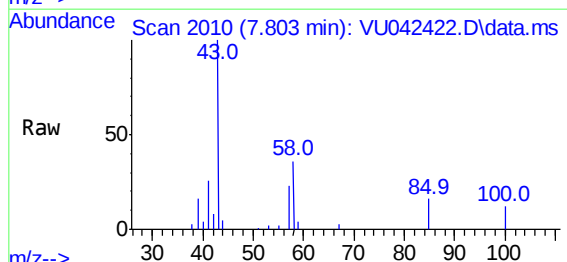
Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

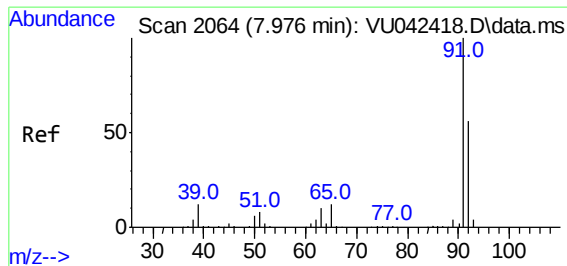
Tgt Ion: 75 Resp: 5870
 Ion Ratio Lower Upper
 75 100
 77 29.0 21.7 40.3



#40
 4-Methyl-2-pentanone
 Concen: 4.01 ug/L
 RT: 7.803 min Scan# 2010
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion: 43 Resp: 13100
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.7 43.1
 100 10.7 9.7 14.5

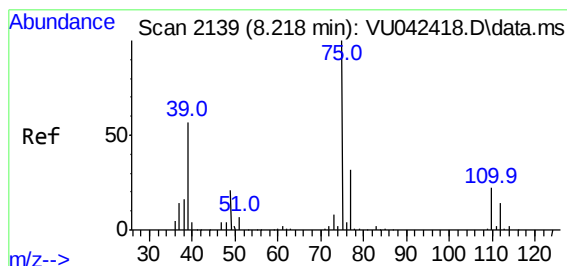
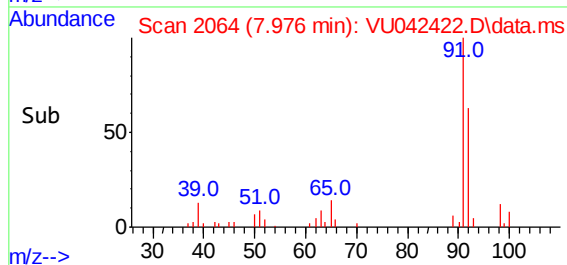
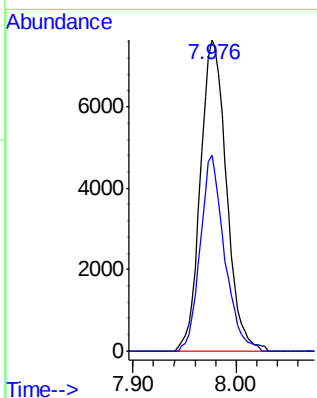
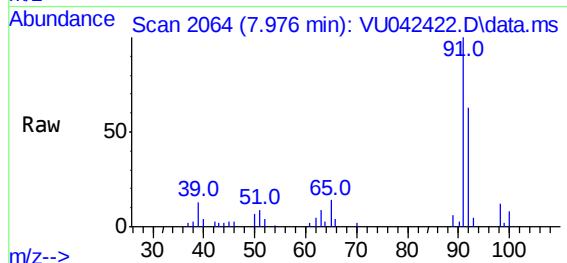




#42
Toluene
Concen: 2.11 ug/L
RT: 7.976 min Scan# 2064
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

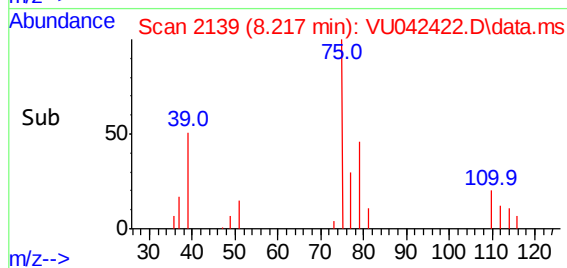
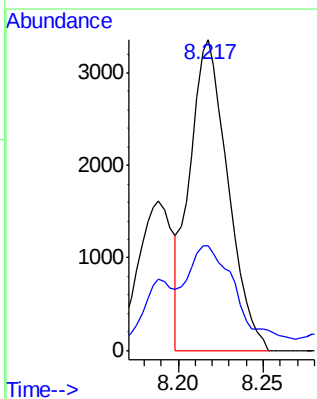
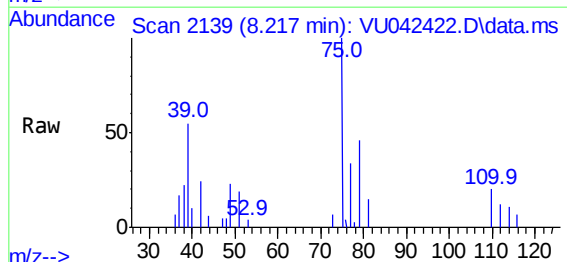
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

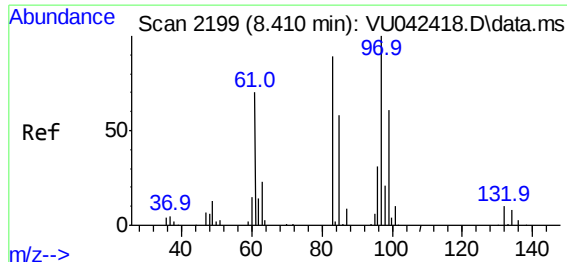
Tgt Ion: 91 Resp: 13321
Ion Ratio Lower Upper
91 100
92 62.9 40.3 74.8



#44
trans-1,3-Dichloropropene
Concen: 2.06 ug/L
RT: 8.217 min Scan# 2139
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 75 Resp: 5226
Ion Ratio Lower Upper
75 100
77 33.7 21.6 40.2





#45

1,1,2-Trichloroethane

Concen: 2.10 ug/L

RT: 8.410 min Scan# 2199

Delta R.T. -0.000 min

Lab File: VU042422.D

Acq: 24 Feb 2021 11:41

Instrument :

MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT2-2021-04

Tgt Ion: 97 Resp: 3179

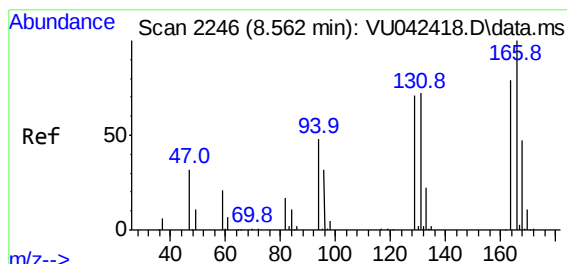
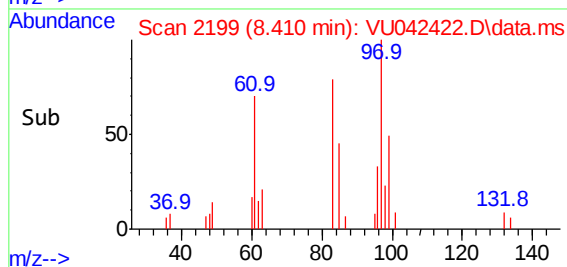
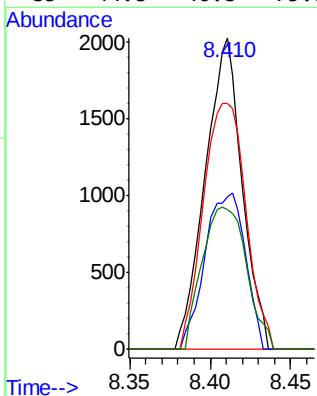
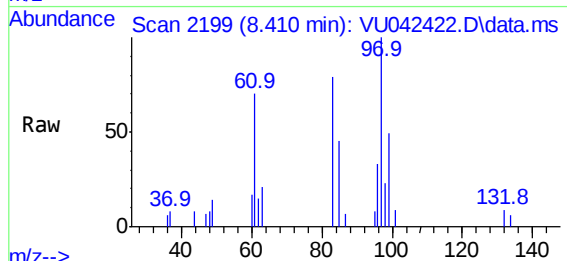
Ion Ratio Lower Upper

97 100

99 48.9 43.7 81.1

83 79.1 61.7 114.7

85 44.8 40.8 75.8



#46

Tetrachloroethene

Concen: 2.21 ug/L

RT: 8.558 min Scan# 2245

Delta R.T. -0.003 min

Lab File: VU042422.D

Acq: 24 Feb 2021 11:41

Tgt Ion: 164 Resp: 2701

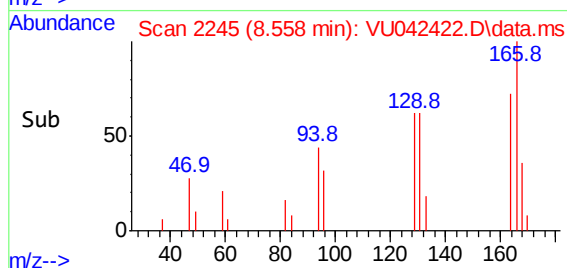
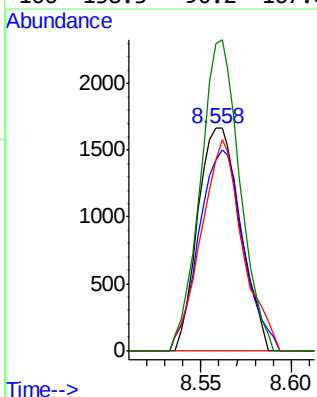
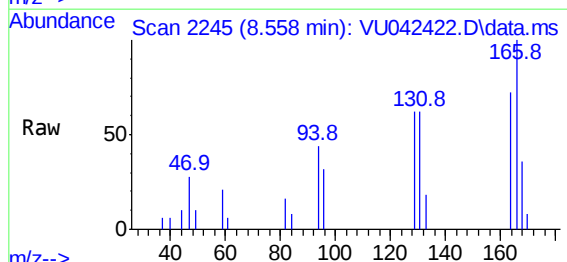
Ion Ratio Lower Upper

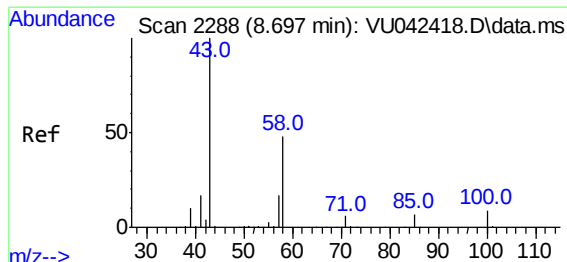
164 100

129 85.4 65.2 121.2

131 85.5 62.4 115.8

166 138.3 90.2 167.6

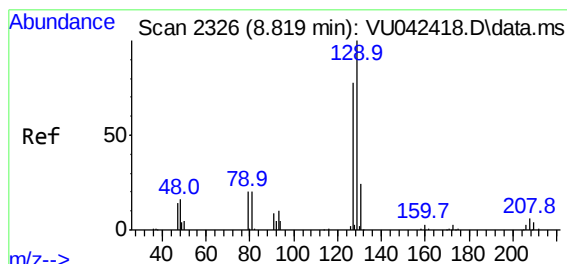
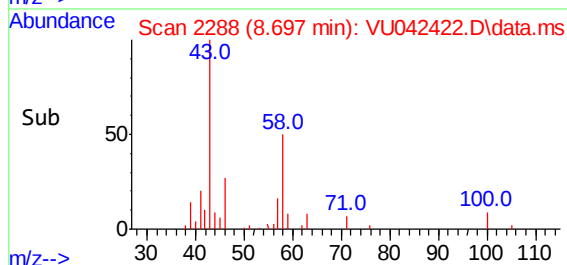
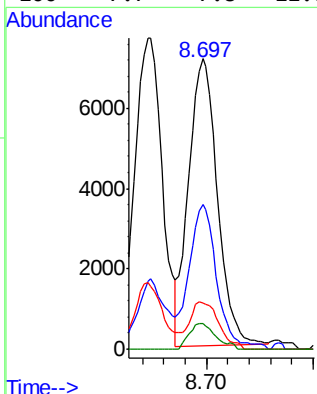
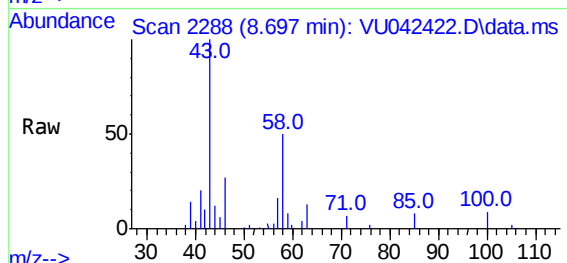




#48
2-Hexanone
Concen: 5.07 ug/L
RT: 8.697 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

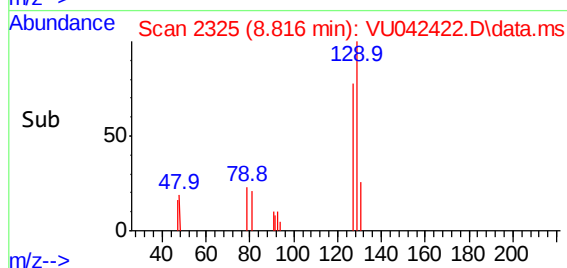
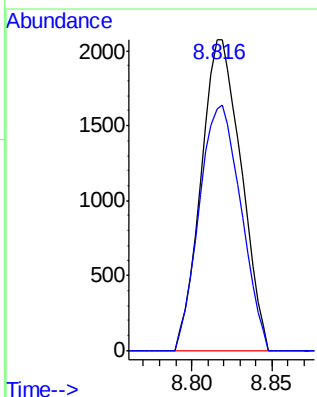
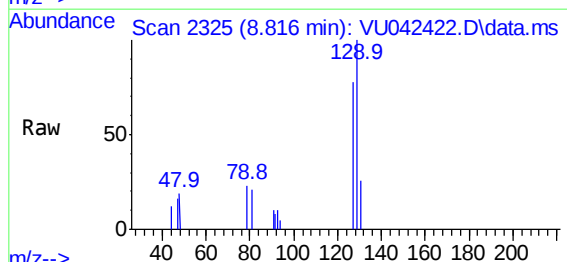
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

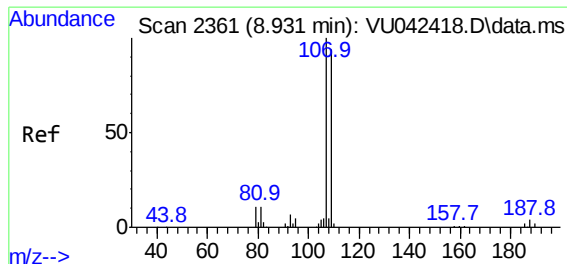
Tgt Ion: 43 Resp: 13389
Ion Ratio Lower Upper
43 100
58 45.3 39.2 58.8
57 16.3 14.4 21.6
100 7.7 7.8 11.6#



#49
Dibromochloromethane
Concen: 2.00 ug/L
RT: 8.816 min Scan# 2325
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 129 Resp: 3531
Ion Ratio Lower Upper
129 100
127 77.6 54.7 101.7

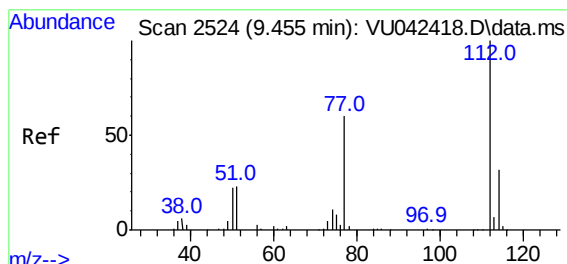
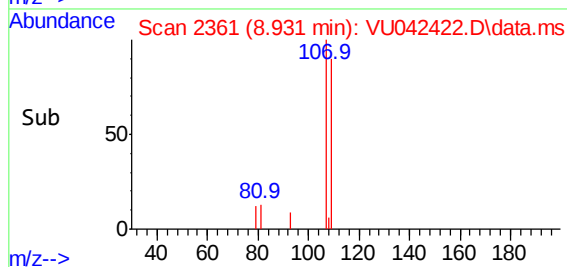
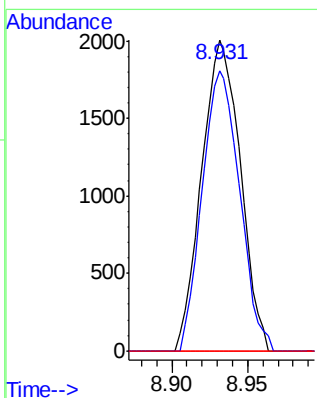
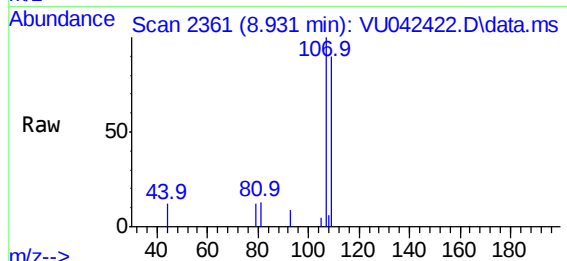




#50
1,2-Dibromoethane
Concen: 2.08 ug/L
RT: 8.931 min Scan# 2361
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

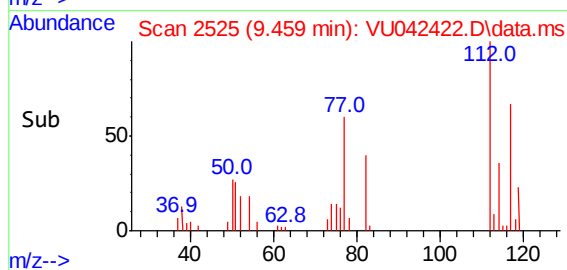
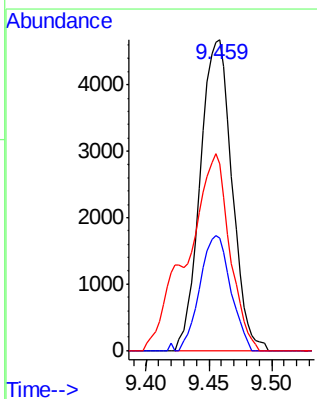
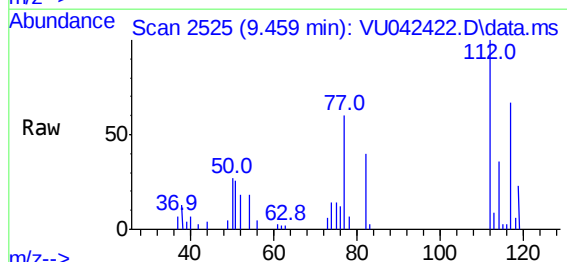
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

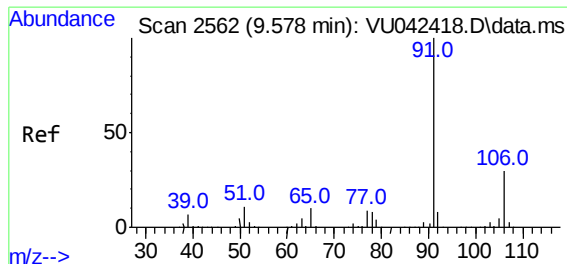
Tgt Ion:107 Resp: 3539
Ion Ratio Lower Upper
107 100
109 90.0 65.7 121.9
188 0.0 3.4 5.0#



#51
Chlorobenzene
Concen: 2.04 ug/L
RT: 9.459 min Scan# 2525
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion:112 Resp: 8183
Ion Ratio Lower Upper
112 100
114 36.1 22.7 42.1
77 60.0 49.4 74.2

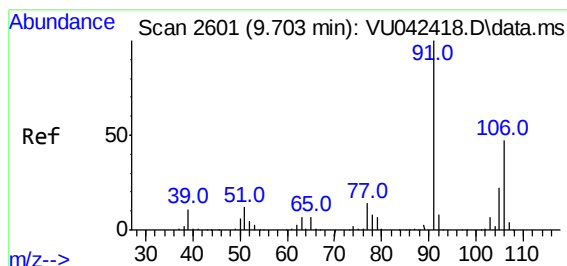
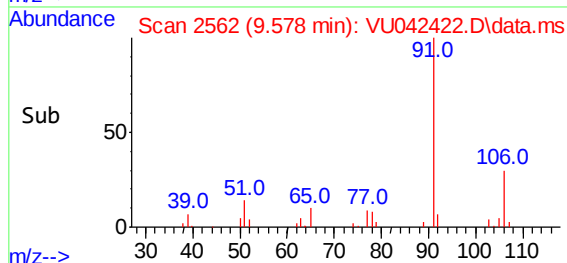
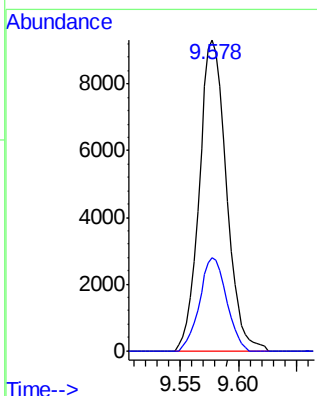
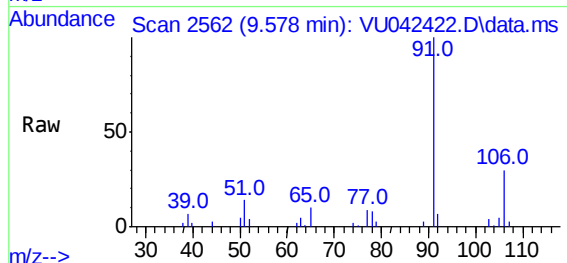




#52
Ethylbenzene
Concen: 2.16 ug/L
RT: 9.578 min Scan# 2562
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

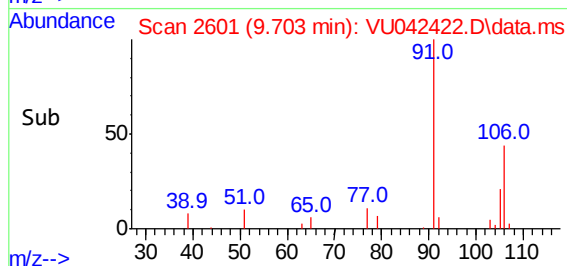
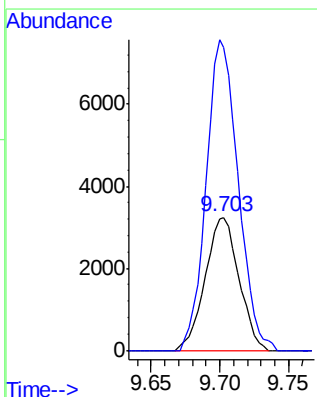
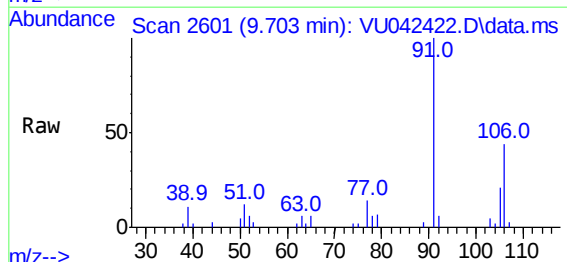
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

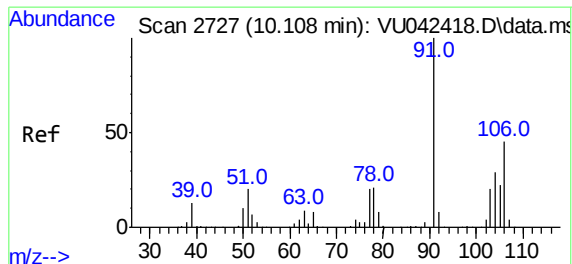
Tgt Ion: 91 Resp: 15159
Ion Ratio Lower Upper
91 100
106 30.1 20.8 38.6



#53
m,p-Xylene
Concen: 2.10 ug/L
RT: 9.703 min Scan# 2601
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 106 Resp: 5486
Ion Ratio Lower Upper
106 100
91 227.2 149.7 277.9

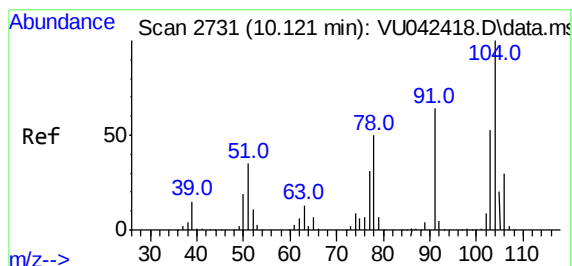
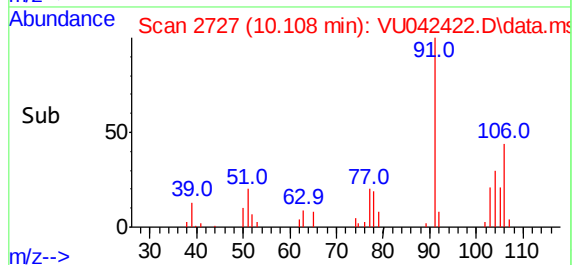
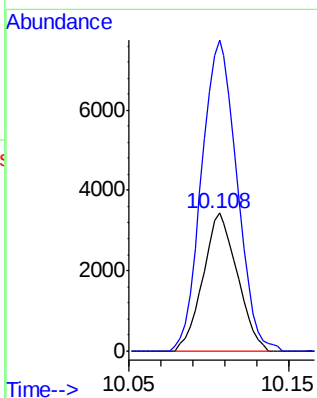
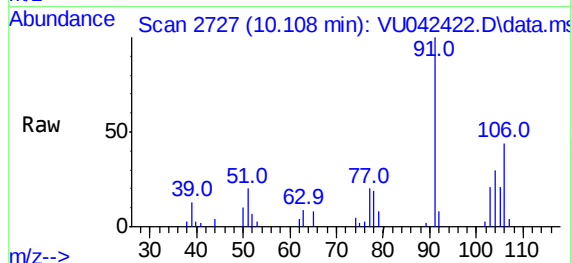




#54
o-xylene
Concen: 2.06 ug/L
RT: 10.108 min Scan# 2727
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

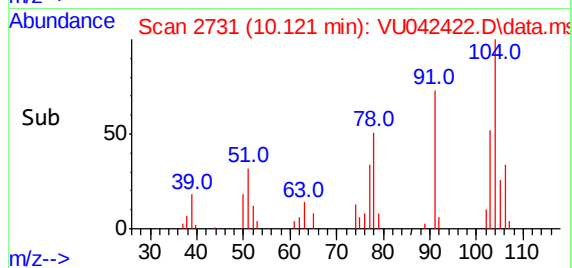
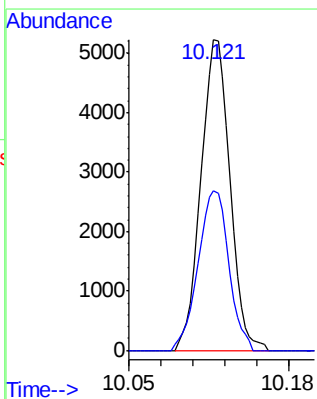
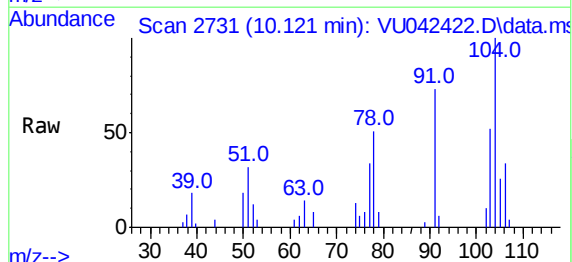
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

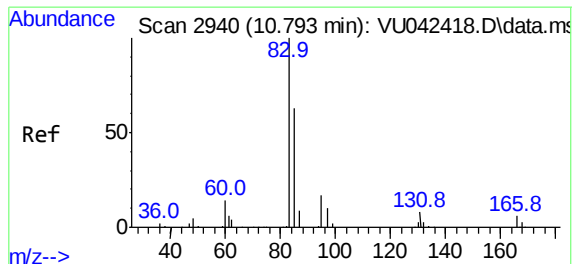
Tgt Ion:106 Resp: 5356
Ion Ratio Lower Upper
106 100
91 226.0 157.4 292.2



#55
Styrene
Concen: 1.91 ug/L
RT: 10.121 min Scan# 2731
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion:104 Resp: 8484
Ion Ratio Lower Upper
104 100
78 51.4 34.4 64.0

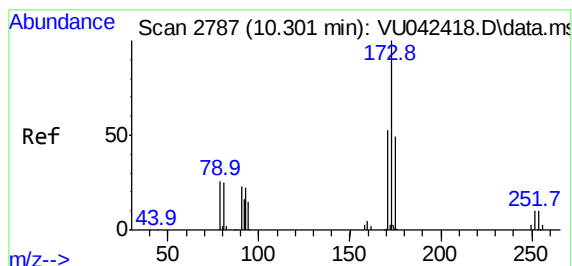
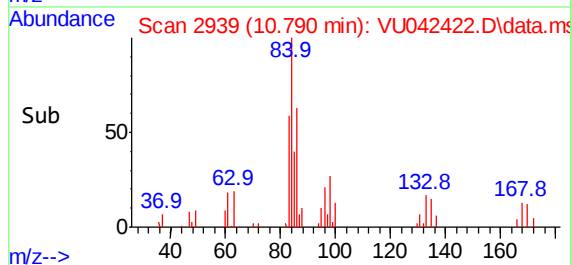
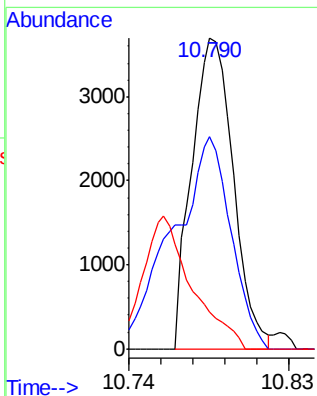
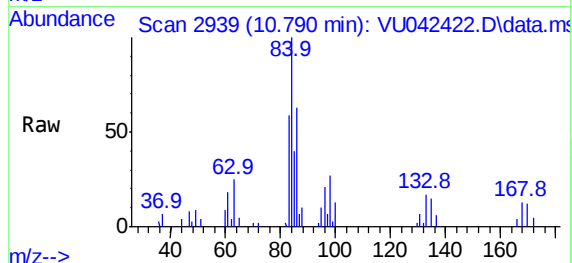




#57
1,1,2,2-Tetrachloroethane
Concen: 2.12 ug/L
RT: 10.790 min Scan# 2939
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

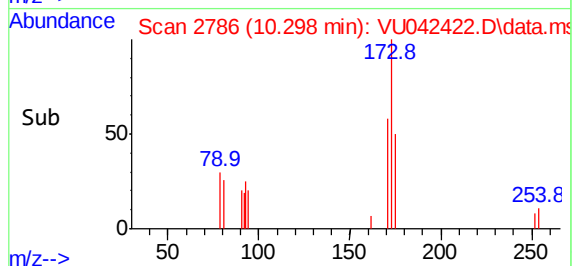
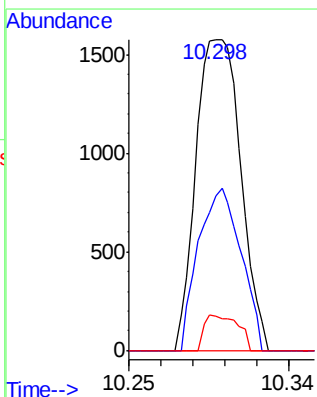
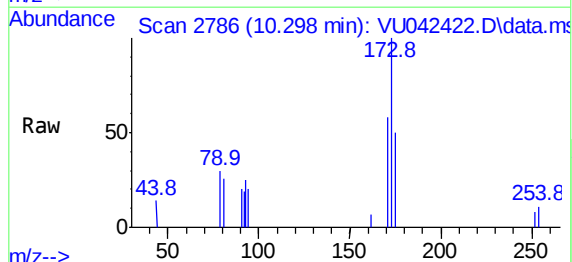
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

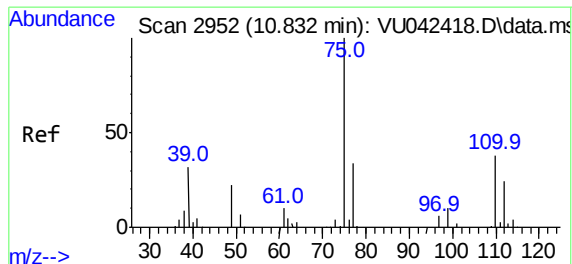
Tgt Ion: 83 Resp: 5854
Ion Ratio Lower Upper
83 100
85 68.1 45.4 84.2
131 11.8 8.1 12.1



#59
Bromoform
Concen: 1.95 ug/L
RT: 10.298 min Scan# 2786
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 173 Resp: 2702
Ion Ratio Lower Upper
173 100
175 49.5 39.0 58.4
254 8.7 7.4 11.0

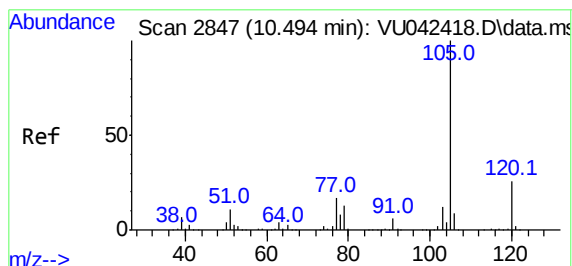
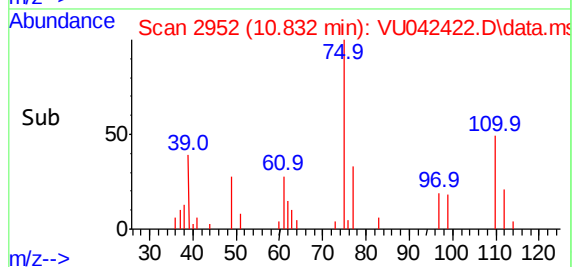
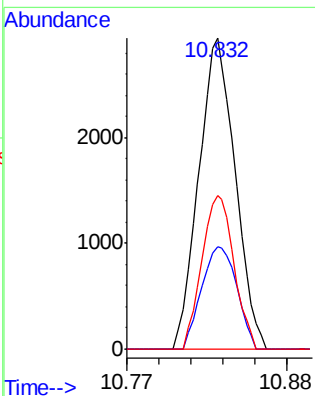
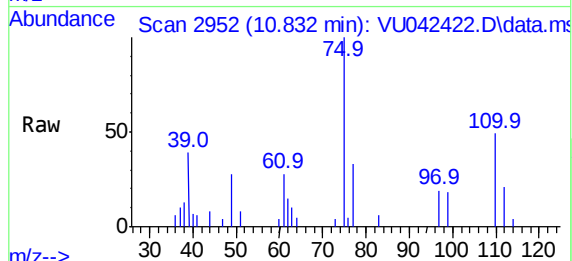




#60
1,2,3-Trichloropropane
Concen: 2.25 ug/L
RT: 10.832 min Scan# 2952
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

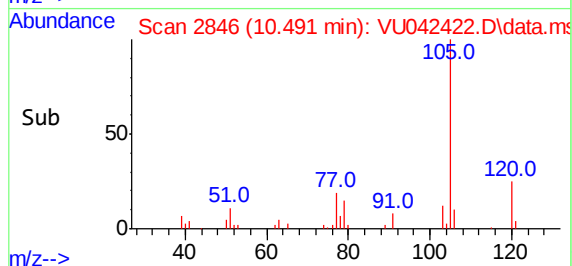
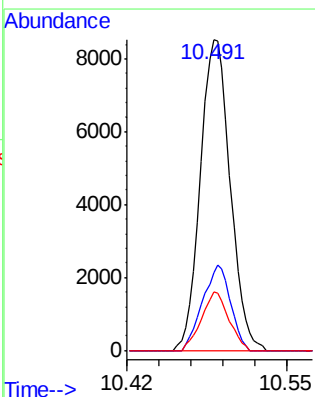
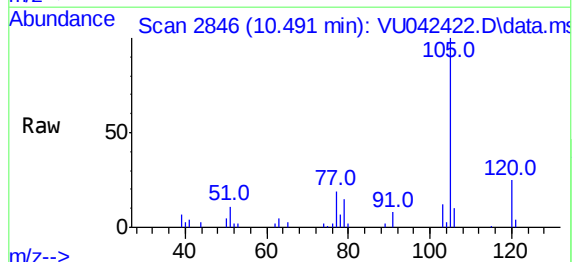
Instrument :
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MDL-MED-SOIL-QT2-2021-04

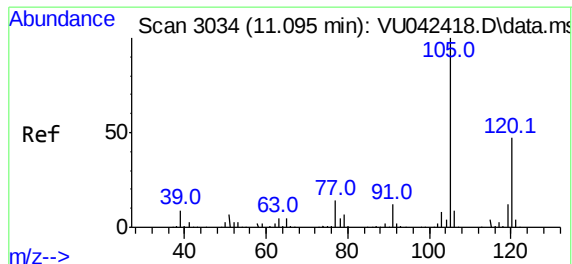
Tgt Ion: 75 Resp: 4882
Ion Ratio Lower Upper
75 100
77 31.7 25.4 38.2
110 43.5 30.3 45.5



#61
Isopropylbenzene
Concen: 2.14 ug/L
RT: 10.491 min Scan# 2846
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion: 105 Resp: 14030
Ion Ratio Lower Upper
105 100
120 25.6 20.5 30.7
77 17.1 13.6 20.4



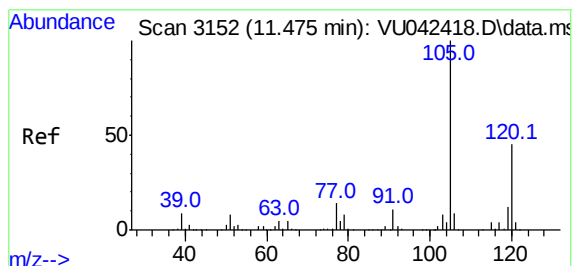
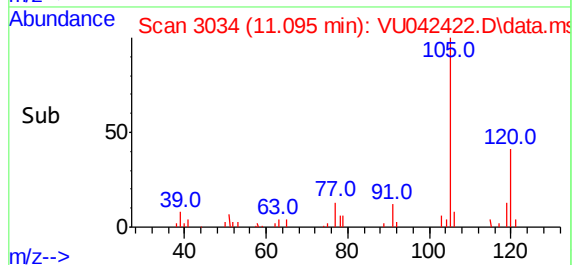
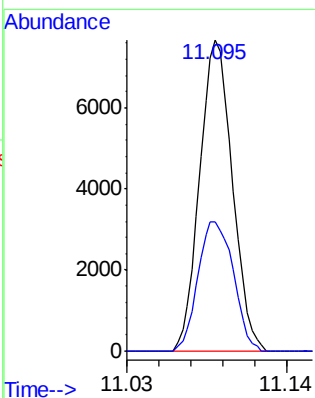
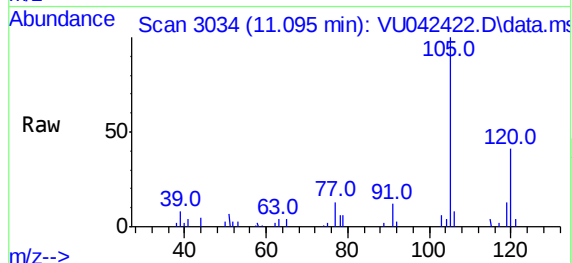


#62
 1,3,5-Trimethylbenzene
 Concen: 2.12 ug/L
 RT: 11.095 min Scan# 3034
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Tgt Ion:105 Resp: 12025

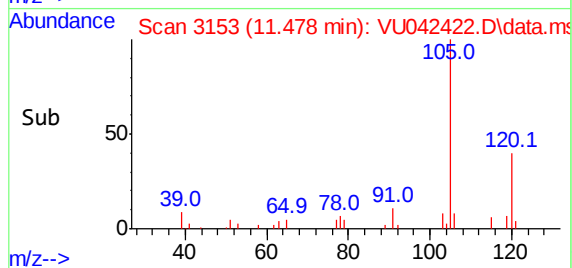
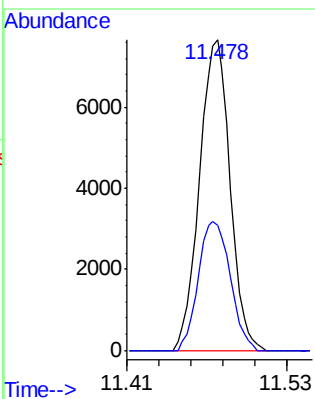
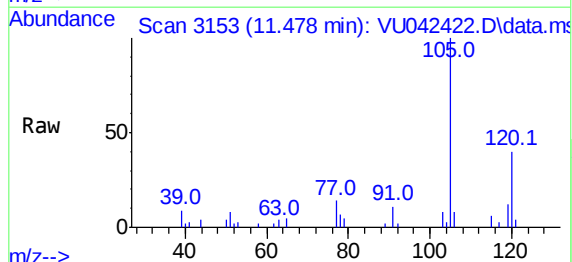
Ion	Ratio	Lower	Upper
105	100		
120	44.8	37.2	55.8

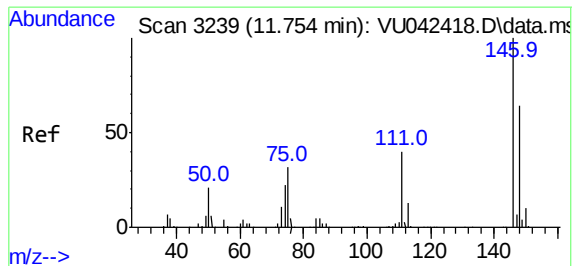


#63
 1,2,4-Trimethylbenzene
 Concen: 2.06 ug/L
 RT: 11.478 min Scan# 3153
 Delta R.T. 0.003 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion:105 Resp: 11761

Ion	Ratio	Lower	Upper
105	100		
120	43.3	35.2	52.8



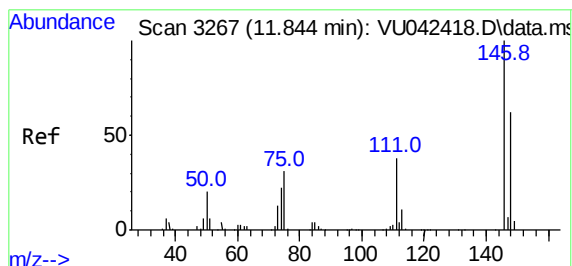
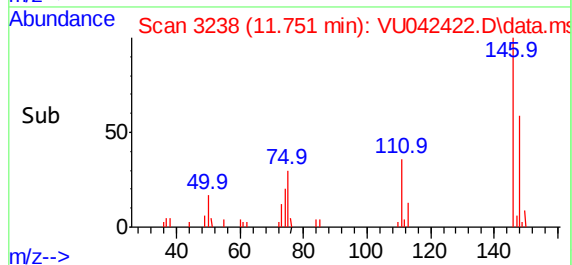
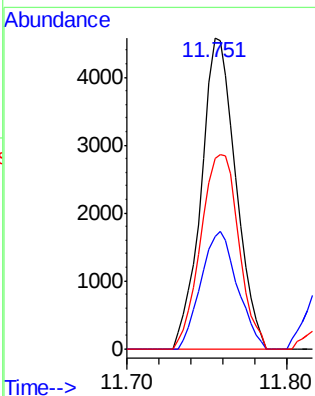
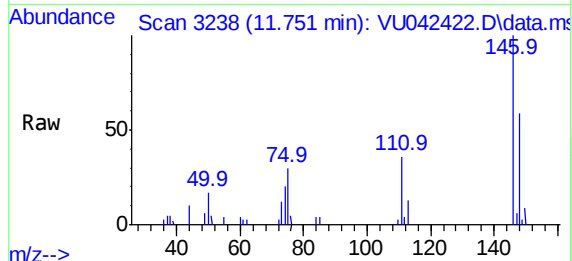


#64
 1,3-Dichlorobenzene
 Concen: 2.17 ug/L
 RT: 11.751 min Scan# 3238
 Delta R.T. -0.003 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Tgt Ion:146 Resp: 6704

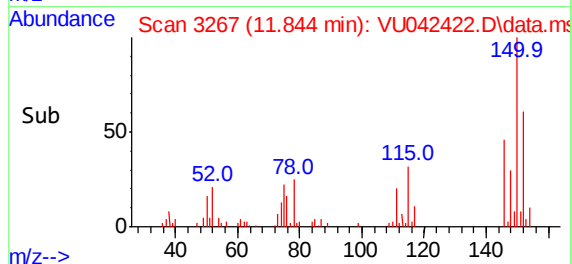
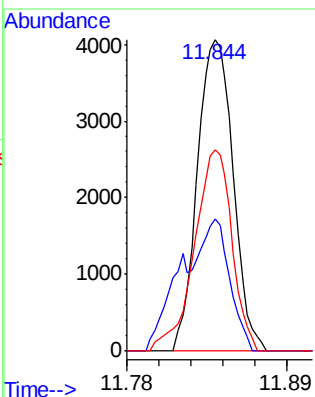
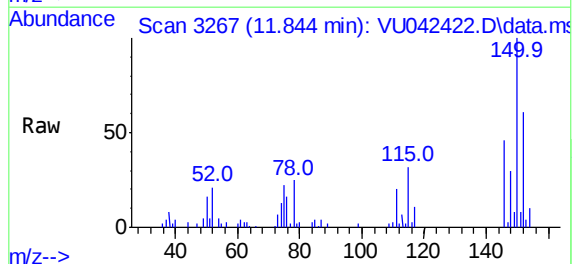
Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.6	51.2
148	61.1	45.4	84.2

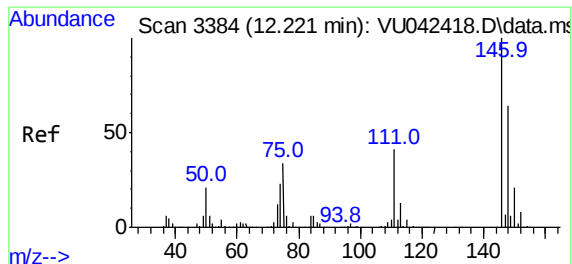


#65
 1,4-Dichlorobenzene
 Concen: 2.21 ug/L
 RT: 11.844 min Scan# 3267
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion:146 Resp: 6957

Ion	Ratio	Lower	Upper
146	100		
111	42.4	26.6	49.4
148	64.8	44.6	82.8



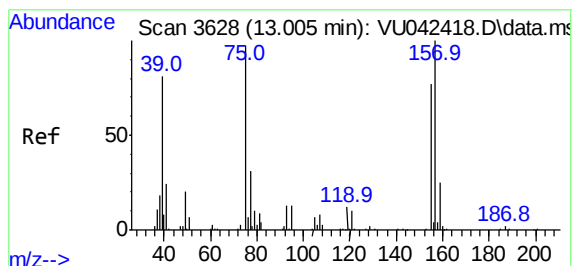
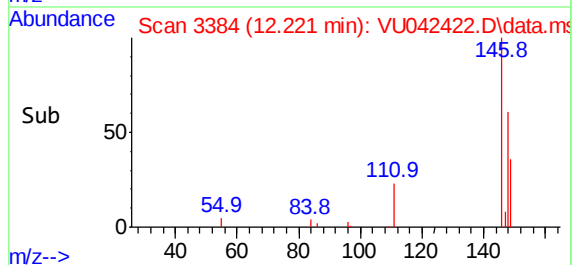
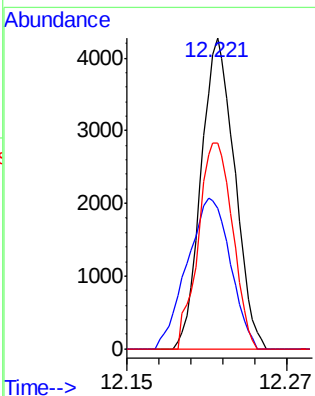
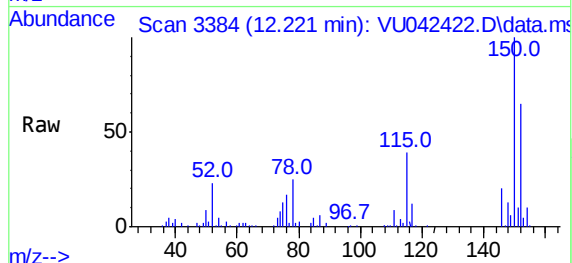


#67
 1,2-Dichlorobenzene
 Concen: 2.26 ug/L
 RT: 12.221 min Scan# 3384
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT2-2021-04

Tgt Ion:146 Resp: 7189

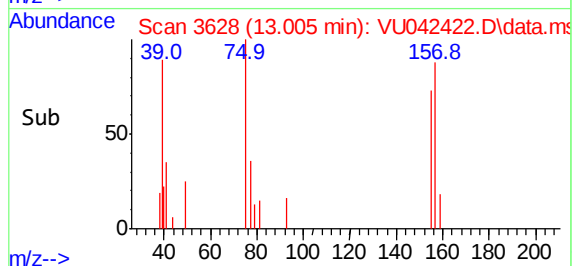
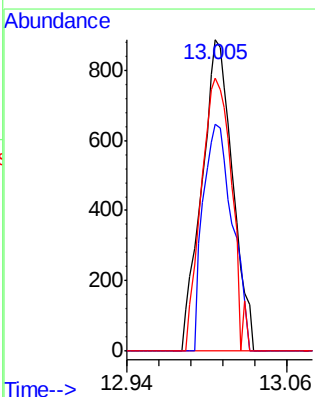
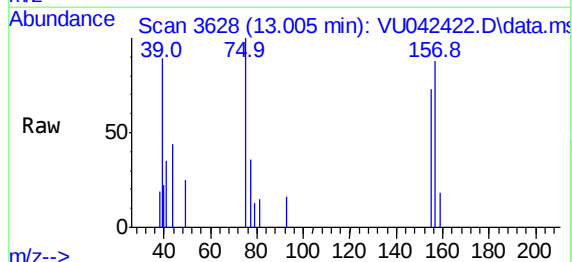
Ion	Ratio	Lower	Upper
146	100		
111	45.3	31.9	47.9
148	66.4	50.2	75.4

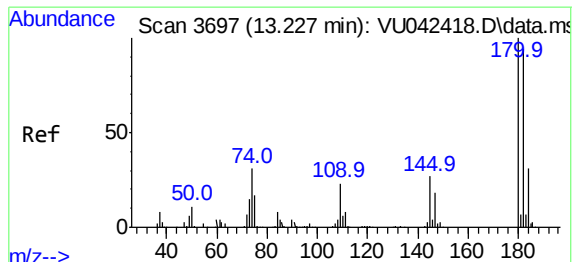


#68
 1,2-Dibromo-3-chloropropane
 Concen: 2.00 ug/L
 RT: 13.005 min Scan# 3628
 Delta R.T. -0.000 min
 Lab File: VU042422.D
 Acq: 24 Feb 2021 11:41

Tgt Ion: 75 Resp: 1444

Ion	Ratio	Lower	Upper
75	100		
155	72.9	65.2	97.8
157	87.9	82.7	124.1

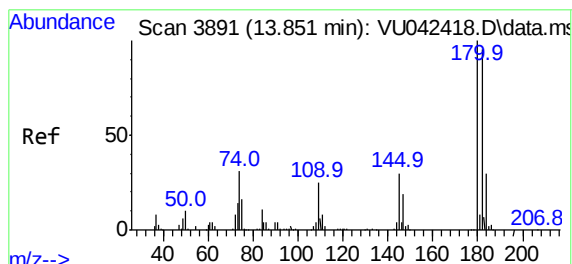
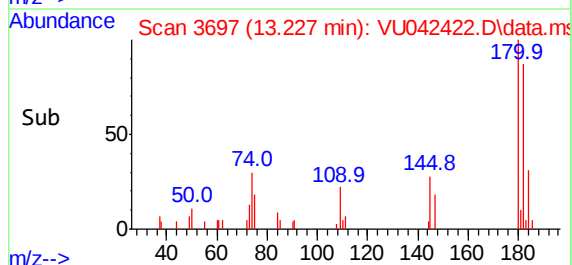
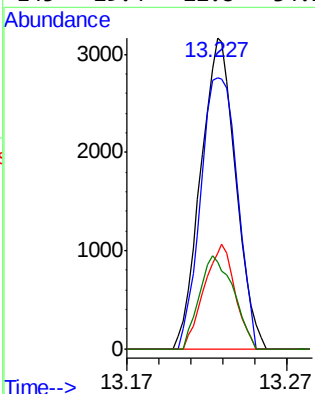
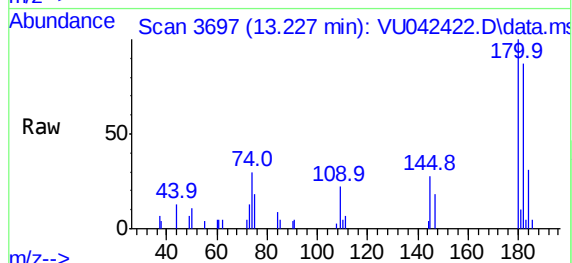




#69
1,3,5-Trichlorobenzene
Concen: 2.12 ug/L
RT: 13.227 min Scan# 3697
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

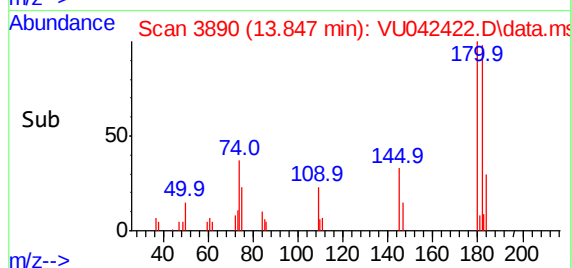
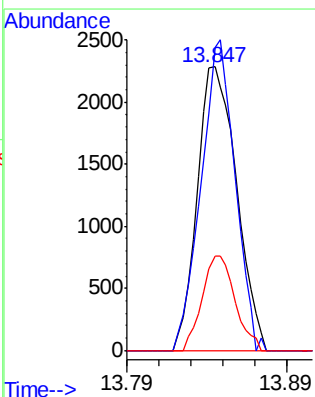
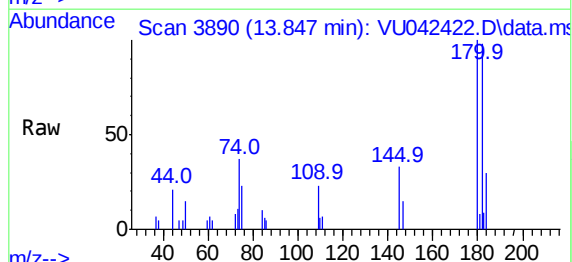
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

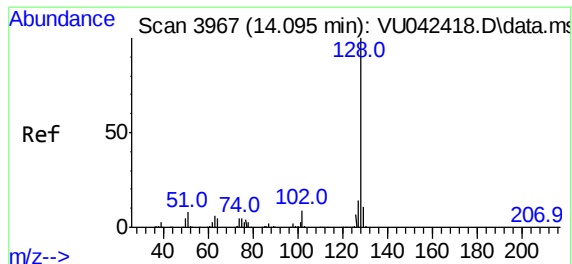
Tgt Ion:180 Resp: 5057
Ion Ratio Lower Upper
180 100
182 91.4 76.8 115.2
184 29.7 24.1 36.1
145 29.4 22.8 34.2



#70
1,2,4-trichlorobenzene
Concen: 1.90 ug/L
RT: 13.847 min Scan# 3890
Delta R.T. -0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion:180 Resp: 3798
Ion Ratio Lower Upper
180 100
182 94.2 77.2 115.8
145 27.9 23.7 35.5

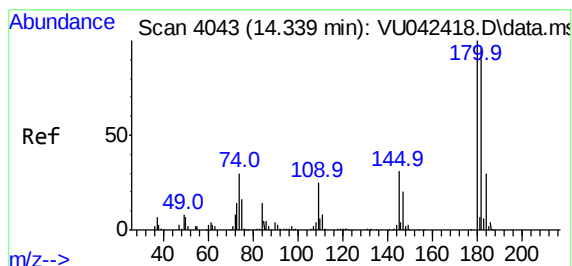
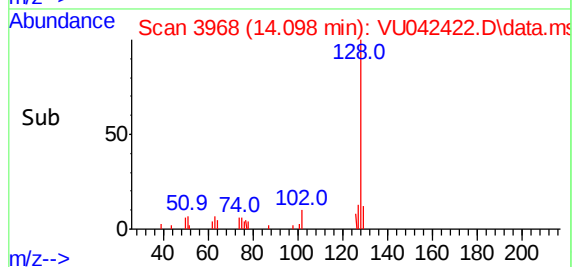
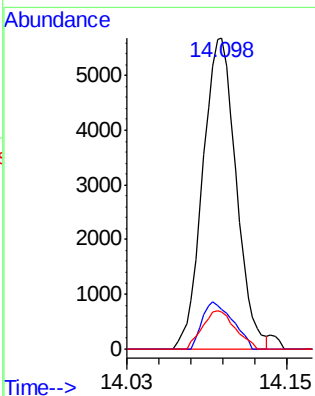
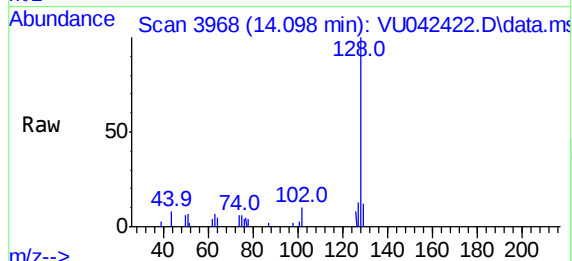




#71
Naphthalene
Concen: 1.51 ug/L
RT: 14.098 min Scan# 3968
Delta R.T. 0.003 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT2-2021-04

Tgt Ion:128 Resp: 9528
Ion Ratio Lower Upper
128 100
127 13.8 10.8 16.2
129 12.0 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 1.95 ug/L
RT: 14.339 min Scan# 4043
Delta R.T. -0.000 min
Lab File: VU042422.D
Acq: 24 Feb 2021 11:41

Tgt Ion:180 Resp: 3970
Ion Ratio Lower Upper
180 100
182 82.3 76.2 114.2
145 25.0 24.6 37.0

