

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011821\
 Data File : VU042092.D
 Acq On : 18 Jan 2021 13:44
 Operator : SY/MD
 Sample : L5214-06
 Misc : 5.0g/5.0mL/100uL/5.0mL/MSVOA_U/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 MDL-MED-SOIL-QT1-2021-02

Quant Time: Jan 19 01:03:52 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMULM011221WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jan 19 01:00:57 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Difluorobenzene	6.259	114	270828	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.420	117	269613	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.809	152	130625	50.00	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.600	65	117980	39.72	ug/L	0.00
Spiked Amount 50.000	Range 60 - 135		Recovery =	79.44%		
7) Chloroethane-d5	1.919	69	95958	40.66	ug/L	0.00
Spiked Amount 50.000	Range 70 - 130		Recovery =	81.32%		
11) 1,1-Dichloroethene-d2	2.575	63	152630	31.65	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	63.30%		
21) 2-Butanone-d5	4.642	46	167835	74.54	ug/L	0.00
Spiked Amount 100.000	Range 40 - 130		Recovery =	74.54%		
24) Chloroform-d	5.079	84	191793	42.28	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	84.56%		
26) 1,2-Dichloroethane-d4	5.716	65	125409	43.97	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	87.94%		
32) Benzene-d6	5.739	84	391786	41.58	ug/L	0.00
Spiked Amount 50.000	Range 70 - 125		Recovery =	83.16%		
36) 1,2-Dichloropropane-d6	6.700	67	126262	41.96	ug/L	0.00
Spiked Amount 50.000	Range 70 - 120		Recovery =	83.92%		
41) Toluene-d8	7.902	98	357063	44.57	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	89.14%		
43) trans-1,3-Dichloroprop...	8.185	79	64619	43.50	ug/L	0.00
Spiked Amount 50.000	Range 60 - 125		Recovery =	87.00%		
47) 2-Hexanone-d5	8.639	63	132928	81.87	ug/L	0.00
Spiked Amount 100.000	Range 45 - 130		Recovery =	81.87%		
56) 1,1,2,2-Tetrachloroeth...	10.754	84	187966	43.19	ug/L	0.00
Spiked Amount 50.000	Range 65 - 120		Recovery =	86.38%		
66) 1,2-Dichlorobenzene-d4	12.188	152	137341	50.51	ug/L	0.00
Spiked Amount 50.000	Range 80 - 120		Recovery =	101.02%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.385	85	6384	2.46	ug/L	98
3) Chloromethane	1.523	50	5903	1.95	ug/L	86
5) Vinyl chloride	1.607	62	7225	2.32	ug/L #	71
6) Bromomethane	1.861	94	4409	2.32	ug/L	89
8) Chloroethane	1.938	64	4400	2.31	ug/L	97
9) Trichlorofluoromethane	2.144	101	8515	2.19	ug/L	97
10) 1,1,2-Trichloro-1,2,2-...	2.584	101	6823	3.15	ug/L #	85
12) 1,1-Dichloroethene	2.587	96	5811	2.81	ug/L #	1
13) Acetone	2.645	43	6967	3.66	ug/L	95
14) Carbon disulfide	2.803	76	15355	2.29	ug/L	99
15) Methyl Acetate	2.960	43	6205	2.08	ug/L	96
16) Methylene chloride	3.060	84	6070	2.53	ug/L	92
17) trans-1,2-Dichloroethene	3.366	96	4974	2.29	ug/L	96
18) Methyl tert-butyl Ether	3.375	73	16064	2.28	ug/L	94
19) 1,1-Dichloroethane	3.880	63	9172	2.13	ug/L	96
20) cis-1,2-Dichloroethene	4.681	96	5321	2.27	ug/L	98
22) 2-Butanone	4.726	43	10088	4.03	ug/L	97
23) Bromochloromethane	4.993	128	2846	2.53	ug/L	86
25) Chloroform	5.105	83	11392	2.67	ug/L	97

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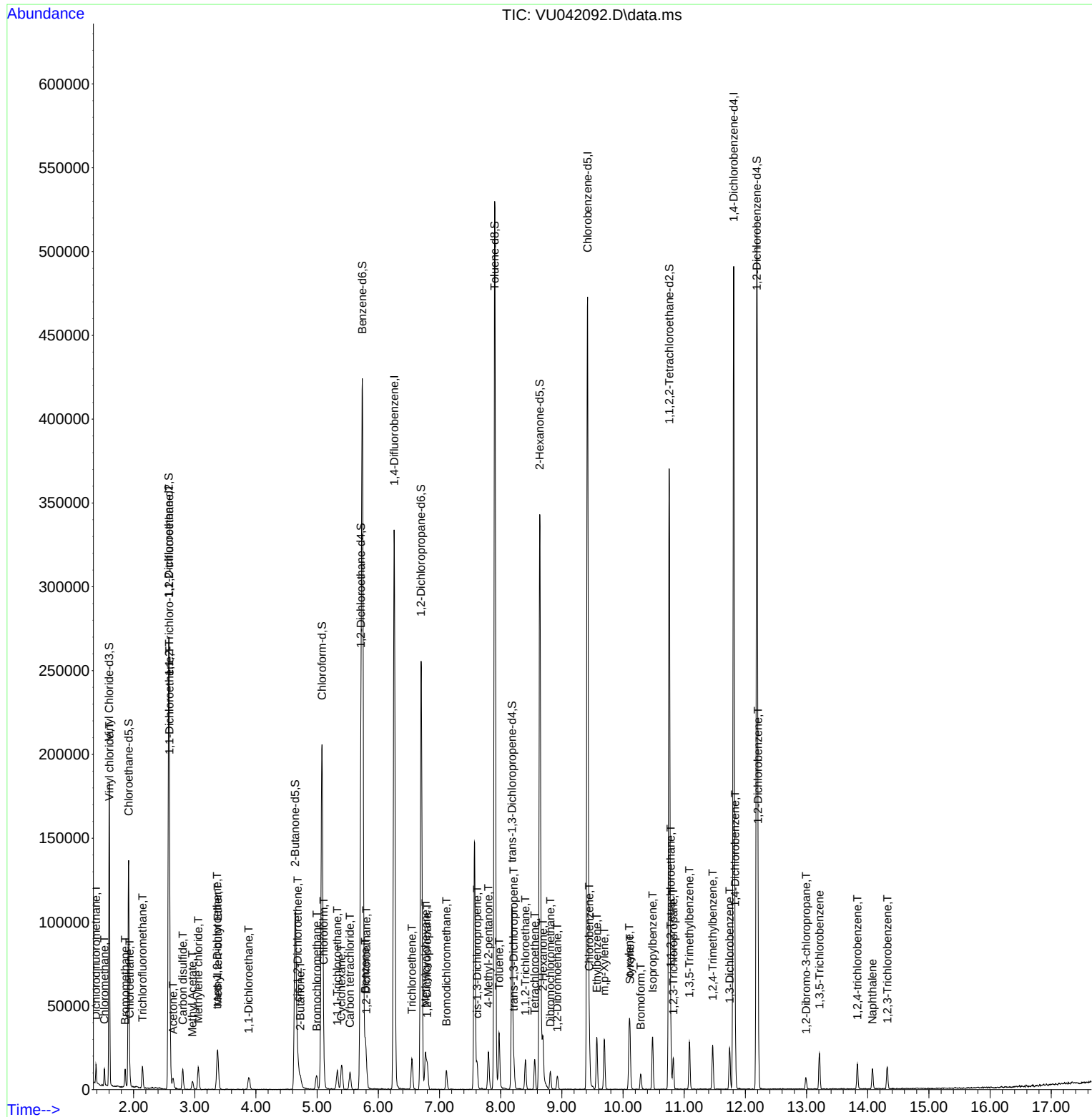
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) 1,2-Dichloroethane	5.806	62	7907	2.41	ug/L	99
29) Cyclohexane	5.398	56	7032	1.73	ug/L #	83
30) 1,1,1-Trichloroethane	5.330	97	8324	2.07	ug/L	96
31) Carbon tetrachloride	5.536	117	6819	2.04	ug/L	94
33) Benzene	5.787	78	22054	2.21	ug/L	100
34) Trichloroethene	6.549	95	5628	2.29	ug/L	91
35) Methylcyclohexane	6.774	83	8069	2.24	ug/L	95
37) 1,2-Dichloropropane	6.800	63	5854	2.23	ug/L #	93
38) Bromodichloromethane	7.111	83	7495	2.30	ug/L #	92
39) cis-1,3-Dichloropropene	7.616	75	8452	2.19	ug/L	98
40) 4-Methyl-2-pentanone	7.800	43	14764	3.64	ug/L	97
42) Toluene	7.976	91	23303	2.45	ug/L	98
44) trans-1,3-Dichloropropene	8.214	75	11208	3.02	ug/L	94
45) 1,1,2-Trichloroethane	8.404	97	5384	2.35	ug/L	87
46) Tetrachloroethene	8.555	164	4071	2.64	ug/L	93
48) 2-Hexanone	8.690	43	15604	4.65	ug/L #	91
49) Dibromochloromethane	8.812	129	5731	2.35	ug/L	99
50) 1,2-Dibromoethane	8.925	107	6092	2.54	ug/L #	91
51) Chlorobenzene	9.449	112	15110	2.58	ug/L	92
52) Ethylbenzene	9.571	91	22770	2.24	ug/L	97
53) m,p-Xylene	9.693	106	8553	2.32	ug/L	86
54) o-xylene	10.102	106	8297	2.33	ug/L	82
55) Styrene	10.115	104	13139	2.10	ug/L	86
57) 1,1,2,2-Tetrachloroethane	10.780	83	10027	2.36	ug/L #	95
59) Bromoform	10.288	173	4523	2.66	ug/L #	95
60) 1,2,3-Trichloropropane	10.825	75	8102	2.37	ug/L	98
61) Isopropylbenzene	10.484	105	20583	2.25	ug/L	97
62) 1,3,5-Trimethylbenzene	11.086	105	15600	2.01	ug/L	98
63) 1,2,4-Trimethylbenzene	11.465	105	15045	1.94	ug/L	98
64) 1,3-Dichlorobenzene	11.741	146	10467	2.50	ug/L	93
65) 1,4-Dichlorobenzene	11.832	146	11560	2.76	ug/L	93
67) 1,2-Dichlorobenzene	12.208	146	11119	2.60	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.992	75	1971	1.82	ug/L	86
69) 1,3,5-Trichlorobenzene	13.211	180	6825	2.41	ug/L	95
70) 1,2,4-trichlorobenzene	13.831	180	5250	2.41	ug/L	93
71) Naphthalene	14.076	128	10944	1.46	ug/L	99
72) 1,2,3-Trichlorobenzene	14.323	180	4561	2.04	ug/L	97

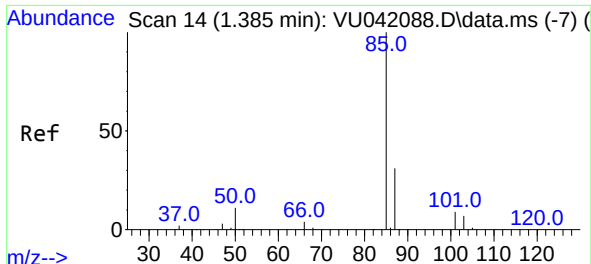
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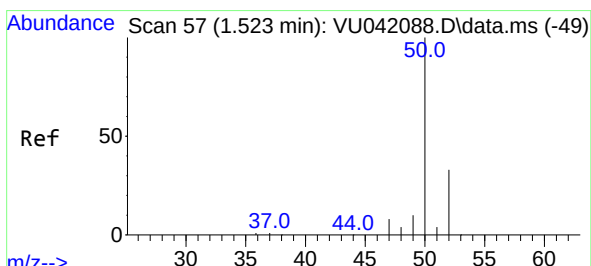
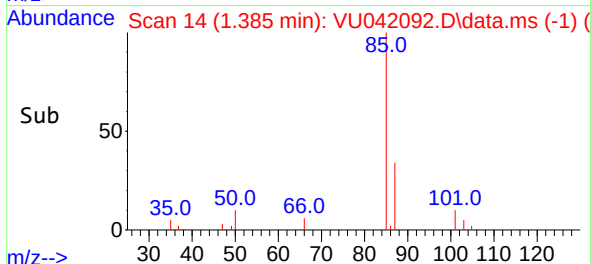
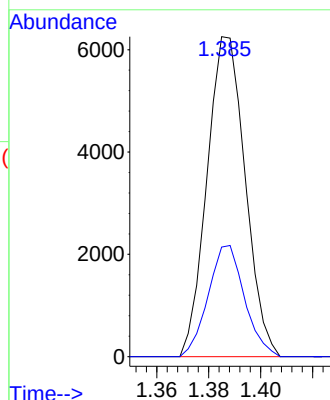
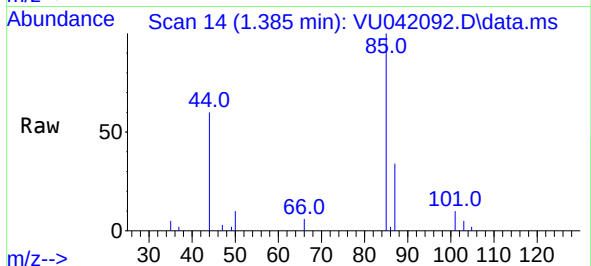




#2
Dichlorodifluoromethane
Concen: 2.46 ug/L
RT: 1.385 min Scan# 14
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

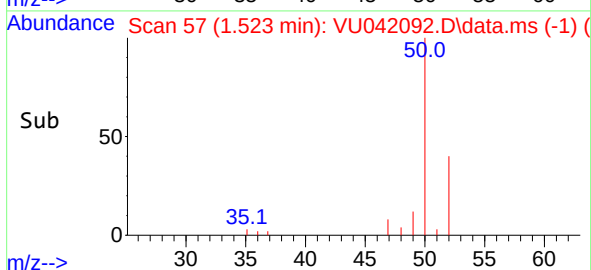
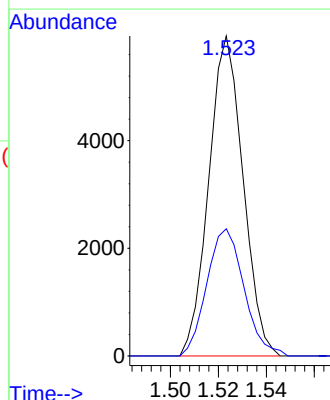
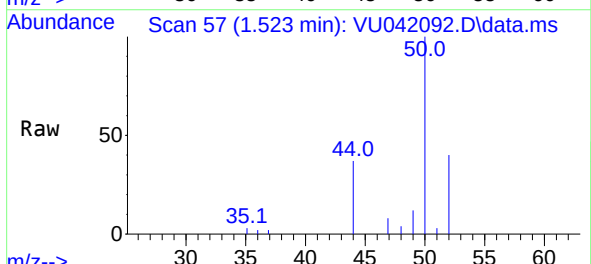
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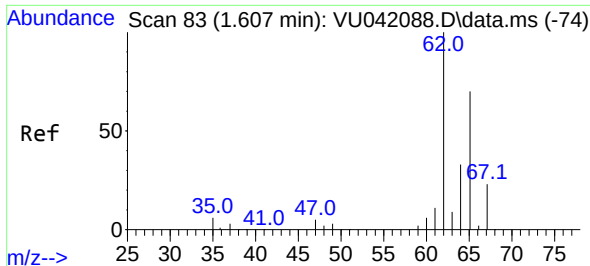
Tgt Ion: 85 Resp: 6384
Ion Ratio Lower Upper
85 100
87 33.1 25.8 38.6



#3
Chloromethane
Concen: 1.95 ug/L
RT: 1.523 min Scan# 57
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 50 Resp: 5903
Ion Ratio Lower Upper
50 100
52 39.8 22.5 41.9

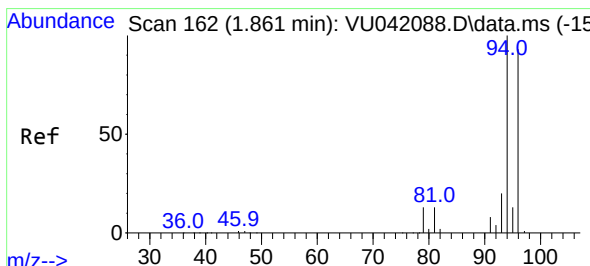
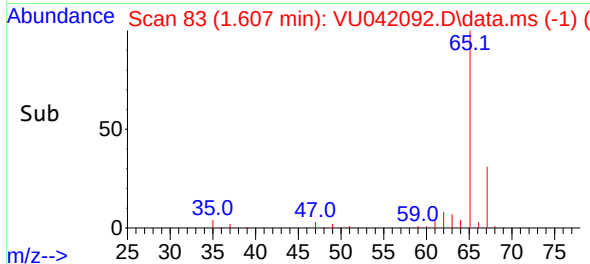
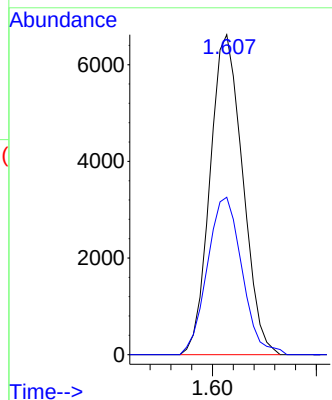
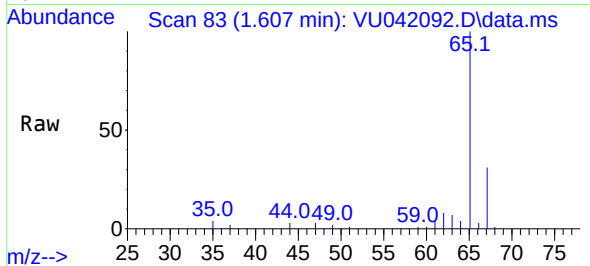




#5
 Vinyl chloride
 Concen: 2.32 ug/L
 RT: 1.607 min Scan# 83
 Delta R.T. -0.000 min
 Lab File: VU042092.D
 Acq: 18 Jan 2021 13:44

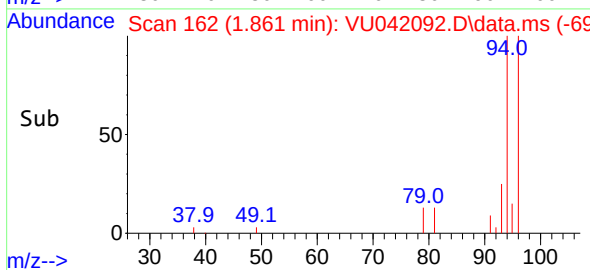
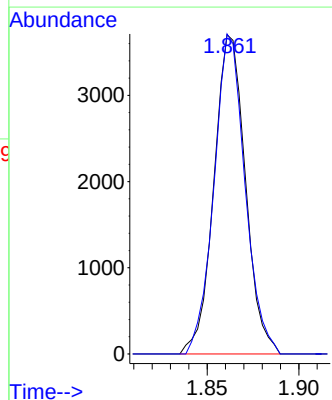
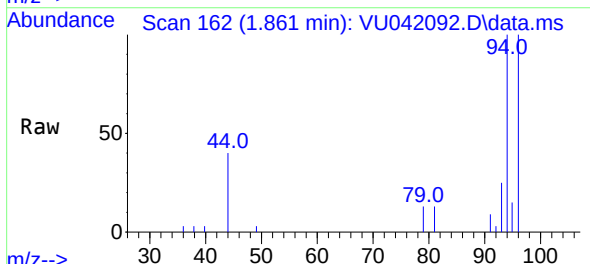
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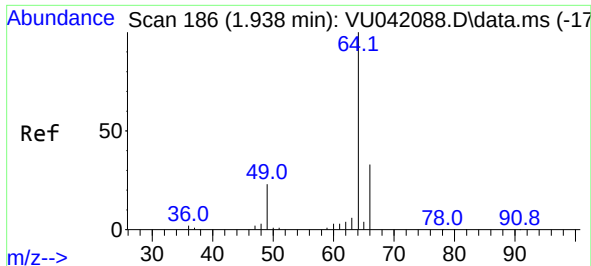
Tgt Ion: 62 Resp: 7225
 Ion Ratio Lower Upper
 62 100
 64 49.2 22.9 42.5#



#6
 Bromomethane
 Concen: 2.32 ug/L
 RT: 1.861 min Scan# 162
 Delta R.T. -0.000 min
 Lab File: VU042092.D
 Acq: 18 Jan 2021 13:44

Tgt Ion: 94 Resp: 4409
 Ion Ratio Lower Upper
 94 100
 96 100.3 62.8 116.6

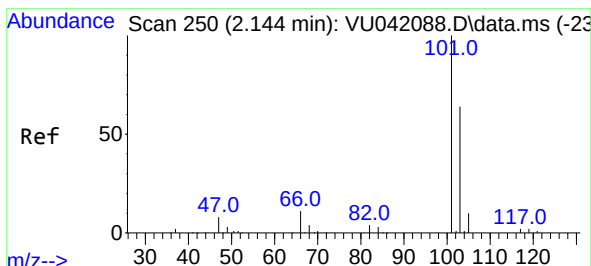
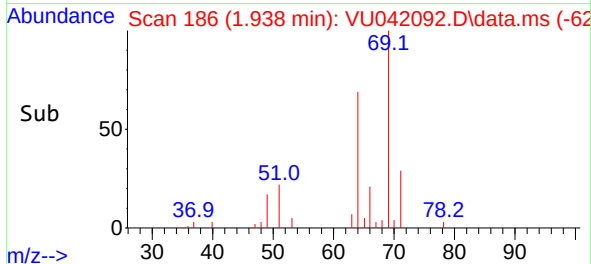
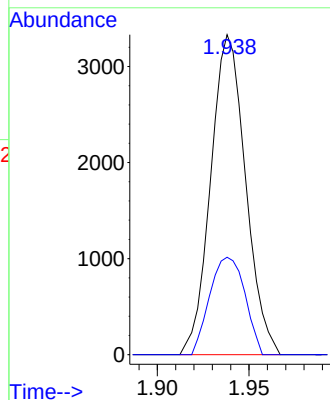
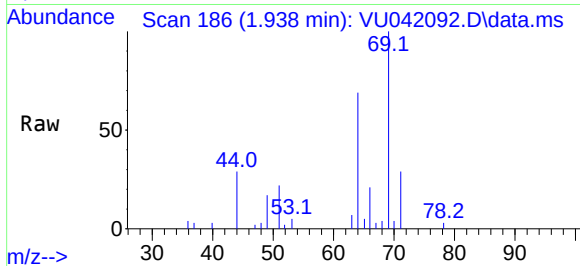




#8
Chloroethane
Concen: 2.31 ug/L
RT: 1.938 min Scan# 186
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

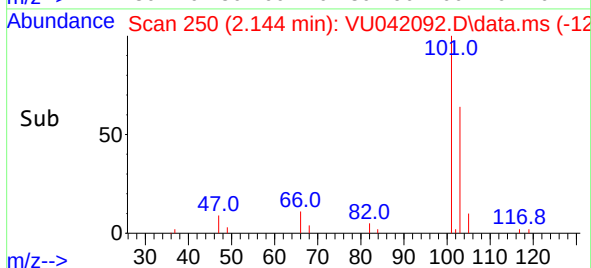
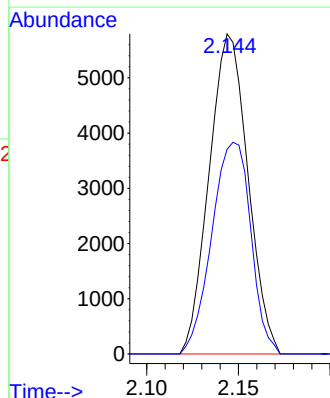
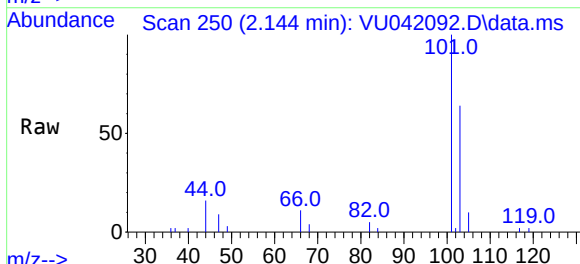
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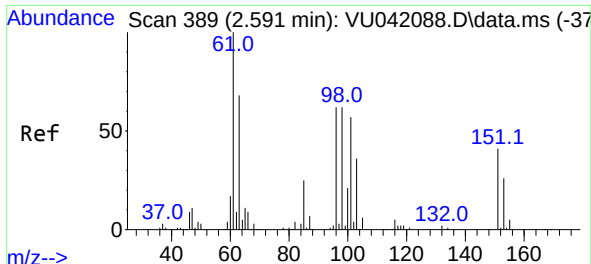
Tgt Ion: 64 Resp: 4400
Ion Ratio Lower Upper
64 100
66 30.4 22.7 42.1



#9
Trichlorofluoromethane
Concen: 2.19 ug/L
RT: 2.144 min Scan# 250
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:101 Resp: 8515
Ion Ratio Lower Upper
101 100
103 66.6 51.4 77.2

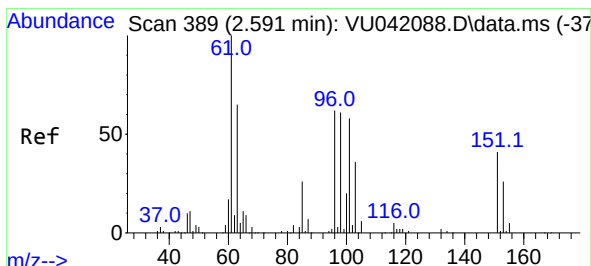
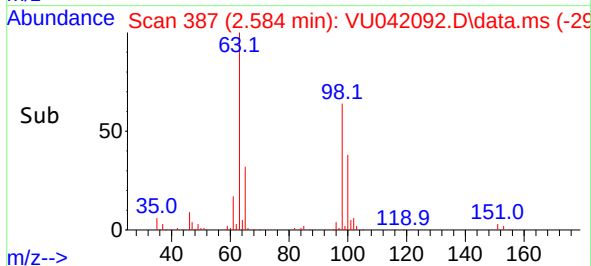
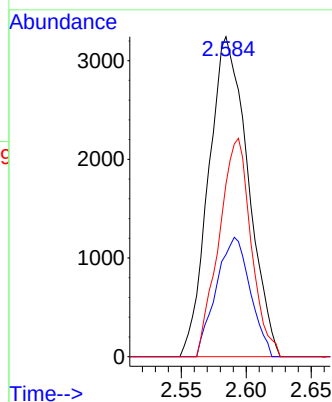
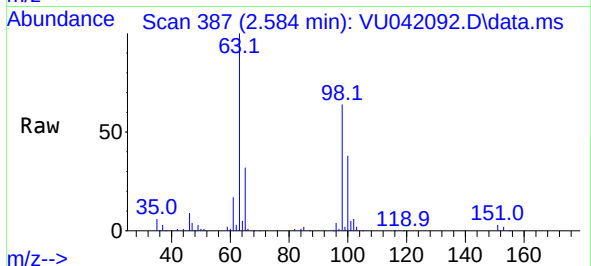




#10
1,1,2-Trichloro-1,2,2-trifluoroethane
Concen: 3.15 ug/L
RT: 2.584 min Scan# 387
Delta R.T. -0.006 min
Lab File: VU042092.D
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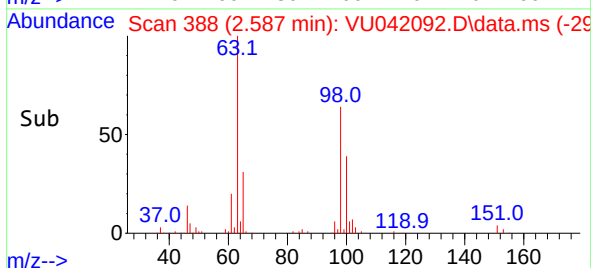
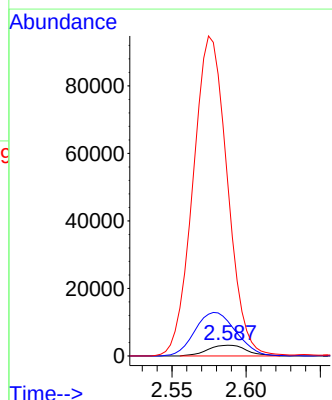
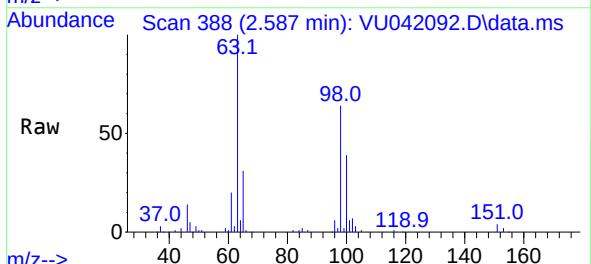
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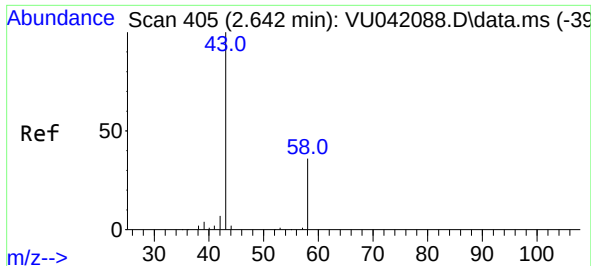
Tgt Ion:101 Resp: 6823
Ion Ratio Lower Upper
101 100
85 32.3 35.0 52.4#
151 55.7 52.6 79.0



#12
1,1-Dichloroethene
Concen: 2.81 ug/L
RT: 2.587 min Scan# 388
Delta R.T. -0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 96 Resp: 5811
Ion Ratio Lower Upper
96 100
61 326.7 127.8 237.4#
63 1625.5 91.2 169.4#

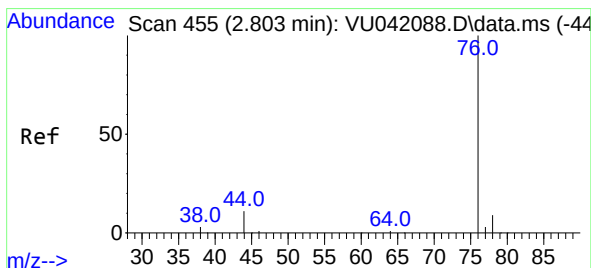
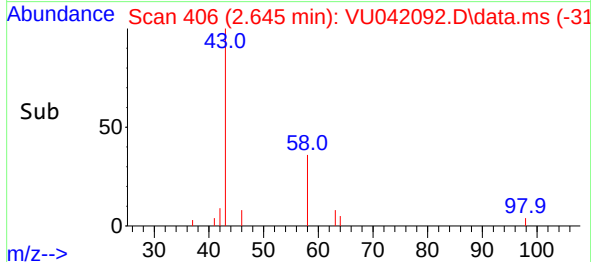
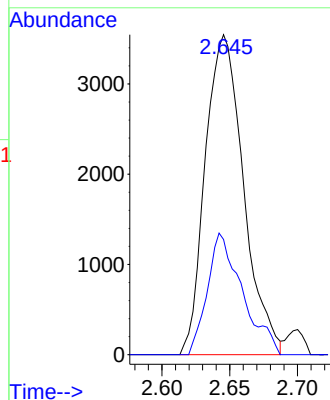
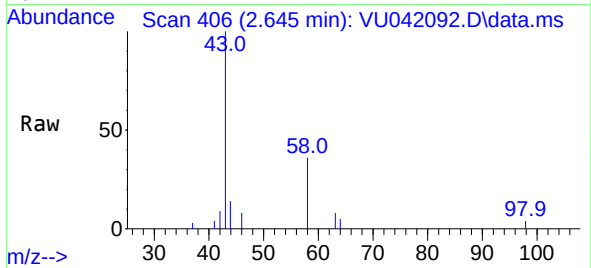




#13
Acetone
Concen: 3.66 ug/L
RT: 2.645 min Scan# 406
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

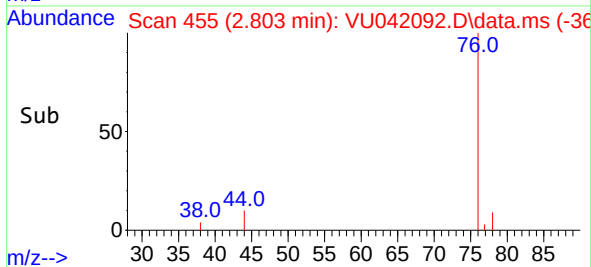
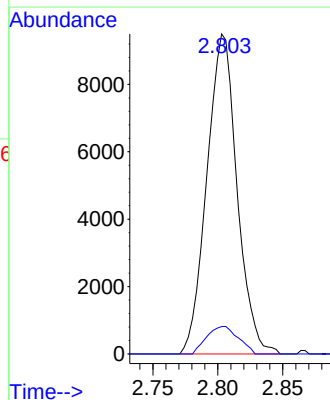
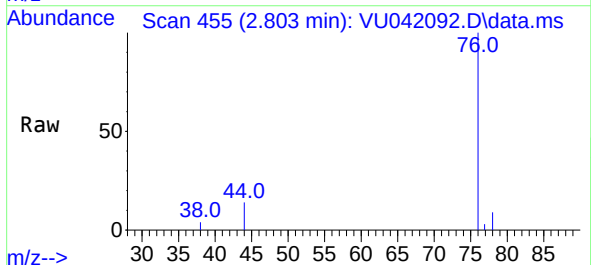
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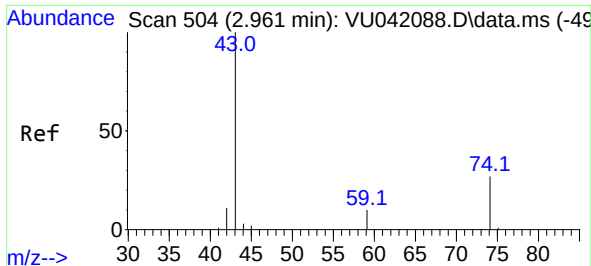
Tgt Ion: 43 Resp: 6967
Ion Ratio Lower Upper
43 100
58 32.1 0.0 70.0



#14
Carbon disulfide
Concen: 2.29 ug/L
RT: 2.803 min Scan# 455
Delta R.T. -0.000 min
Lab File: VU042092.D
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Tgt Ion: 76 Resp: 15355
Ion Ratio Lower Upper
76 100
78 8.6 7.3 10.9

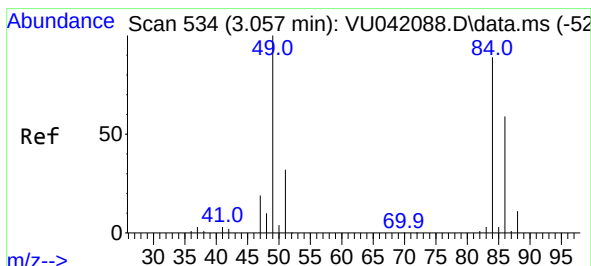
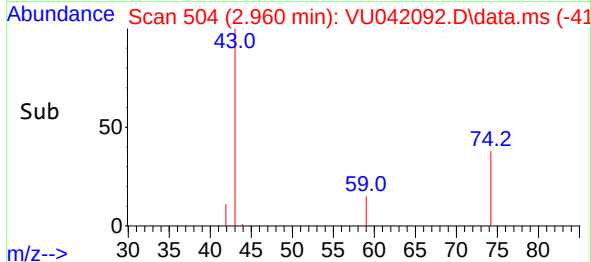
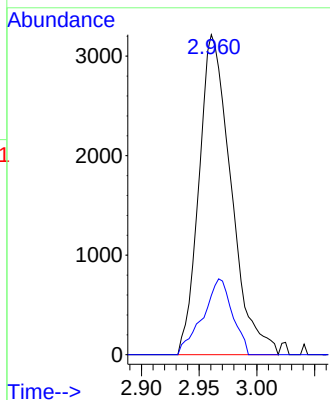
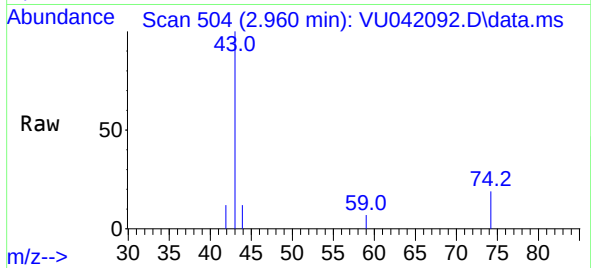




#15
Methyl Acetate
Concen: 2.08 ug/L
RT: 2.960 min Scan# 504
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

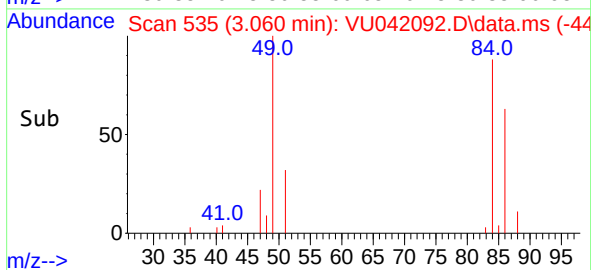
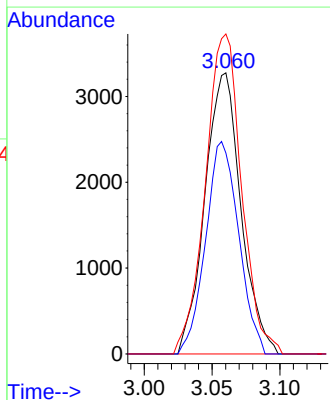
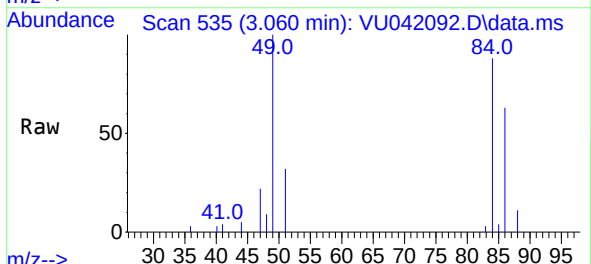
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

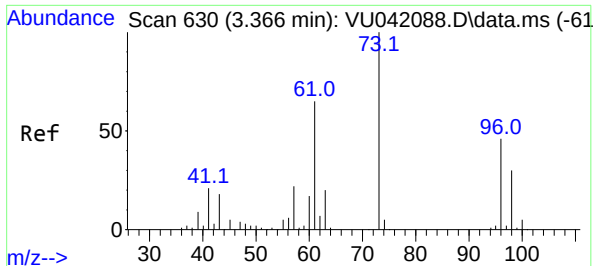
Tgt Ion: 43 Resp: 6205
Ion Ratio Lower Upper
43 100
74 21.9 19.3 28.9



#16
Methylene chloride
Concen: 2.53 ug/L
RT: 3.060 min Scan# 535
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 84 Resp: 6070
Ion Ratio Lower Upper
84 100
86 71.5 45.6 84.6
49 113.8 86.0 159.6

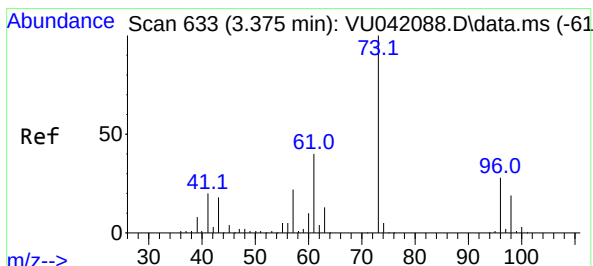
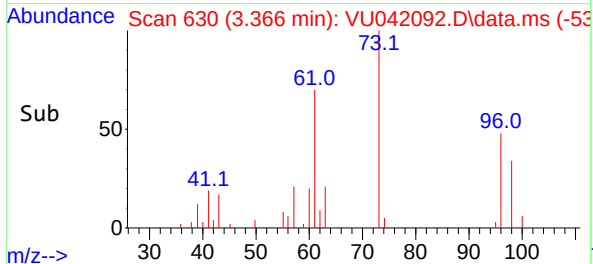
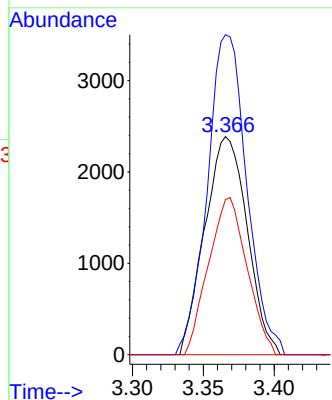
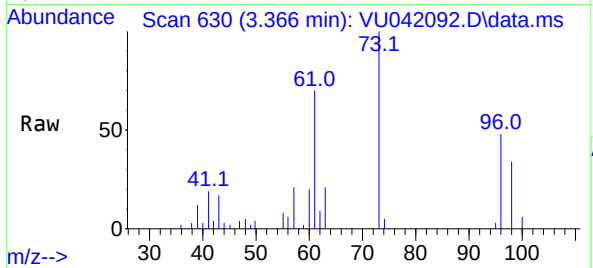




#17
trans-1,2-Dichloroethene
Concen: 2.29 ug/L
RT: 3.366 min Scan# 630
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

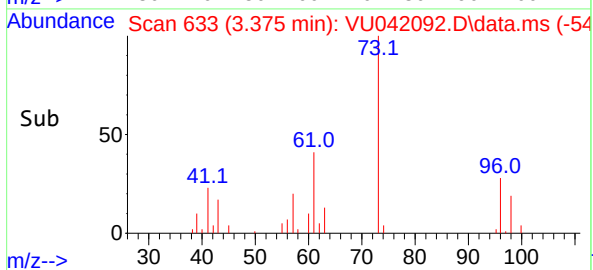
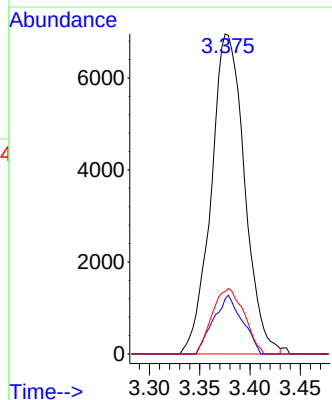
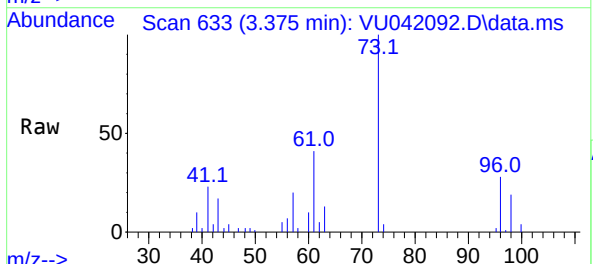
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

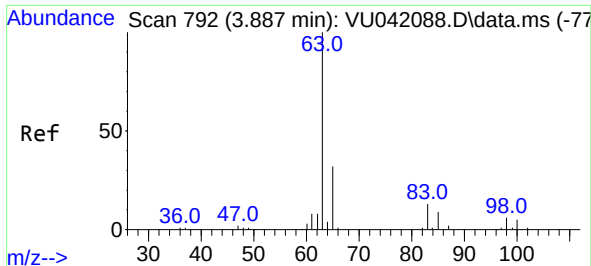
Tgt Ion: 96 Resp: 4974
Ion Ratio Lower Upper
96 100
61 146.8 105.3 195.6
98 71.1 45.3 84.1



#18
Methyl tert-butyl Ether
Concen: 2.28 ug/L
RT: 3.375 min Scan# 633
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 73 Resp: 16064
Ion Ratio Lower Upper
73 100
43 15.8 15.0 22.4
57 19.5 18.1 27.1



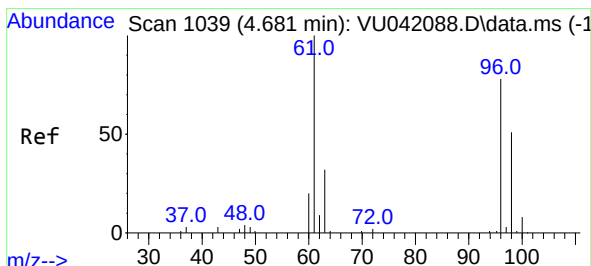
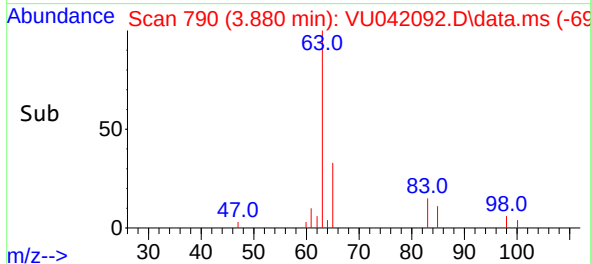
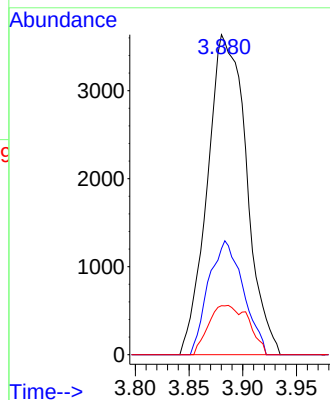
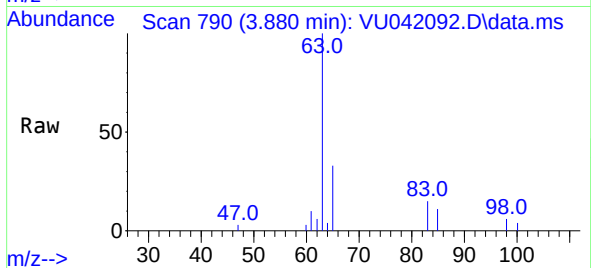


#19

1,1-Dichloroethane
Concen: 2.13 ug/L
RT: 3.880 min Scan# 790
Delta R.T. -0.006 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

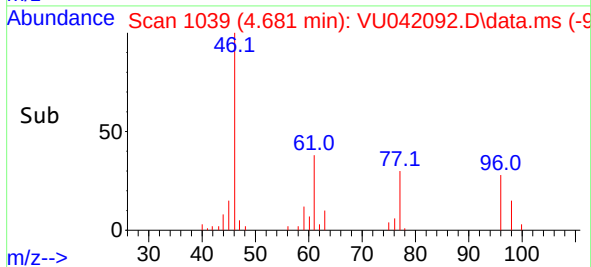
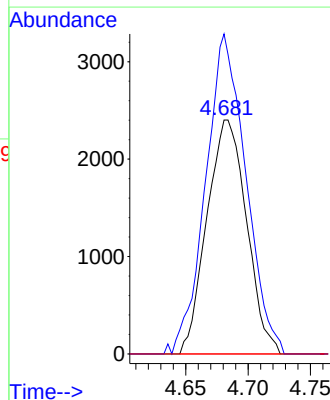
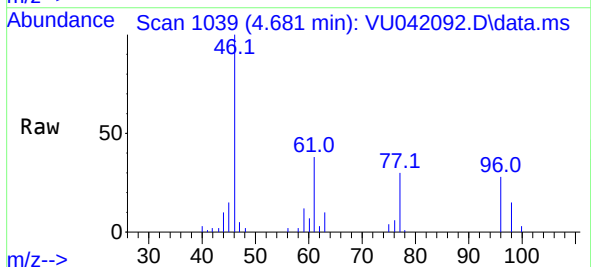
Tgt Ion: 63	Resp: 9172
Ion Ratio	Lower Upper
63 100	
65 33.1	21.8 40.6
83 15.3	9.4 17.4

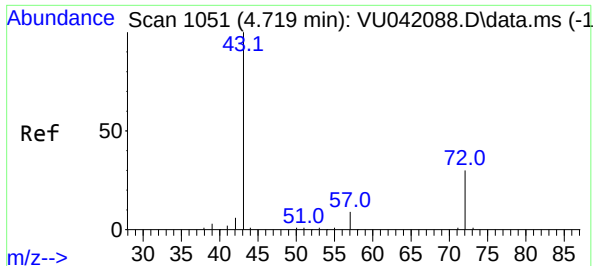


#20

cis-1,2-Dichloroethene
Concen: 2.27 ug/L
RT: 4.681 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 96	Resp: 5321
Ion Ratio	Lower Upper
96 100	
61 136.8	93.9 174.5
68 0.0	0.0 0.0

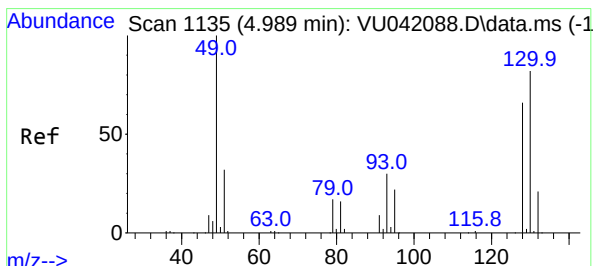
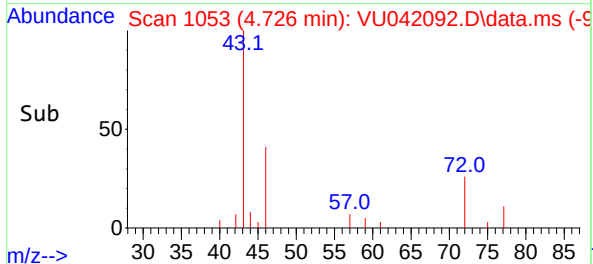
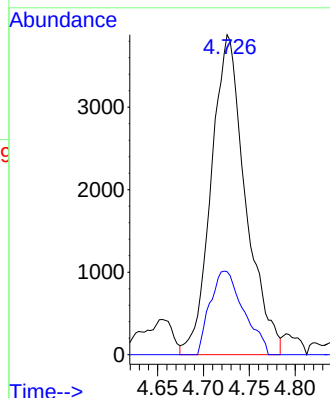
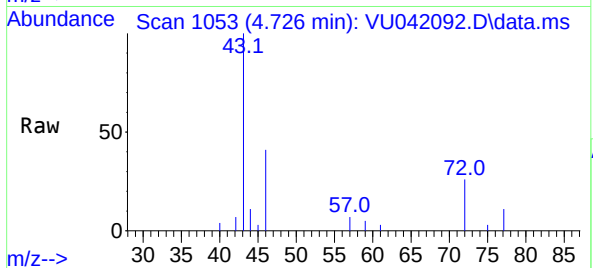




#22
2-Butanone
Concen: 4.03 ug/L
RT: 4.726 min Scan# 1053
Delta R.T. 0.006 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

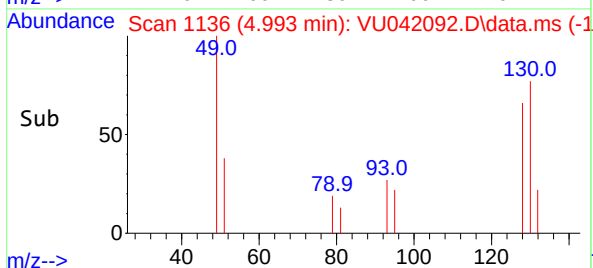
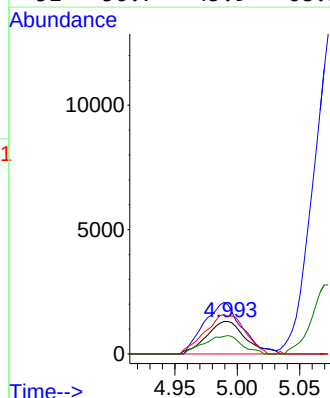
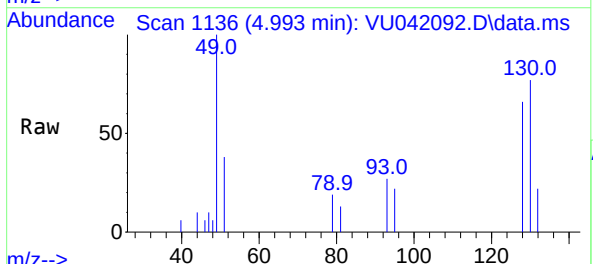
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

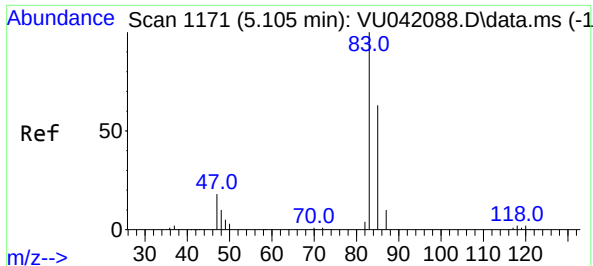
Tgt Ion: 43 Resp: 10088
Ion Ratio Lower Upper
43 100
72 25.5 13.6 40.8



#23
Bromochloromethane
Concen: 2.53 ug/L
RT: 4.993 min Scan# 1136
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 128 Resp: 2846
Ion Ratio Lower Upper
128 100
49 150.9 124.9 232.1
130 116.1 91.1 169.3
51 56.7 45.9 68.9



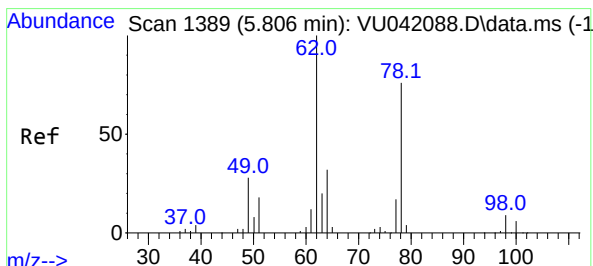
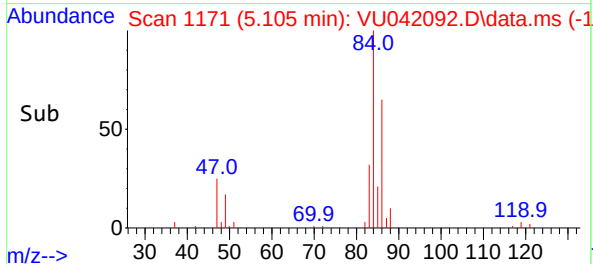
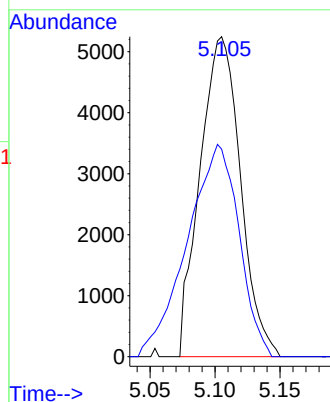
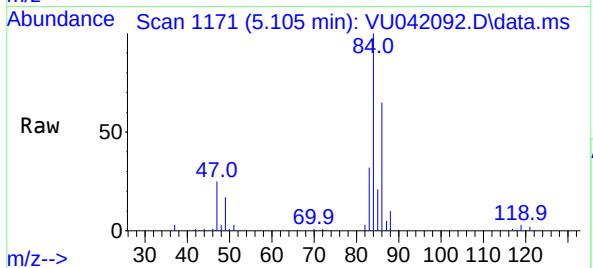


#25

Chloroform
Concen: 2.67 ug/L
RT: 5.105 min Scan# 1171
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

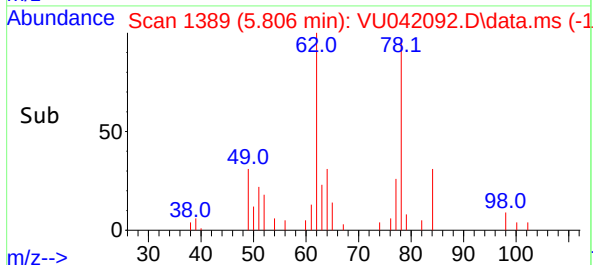
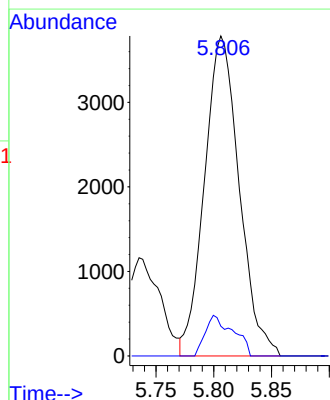
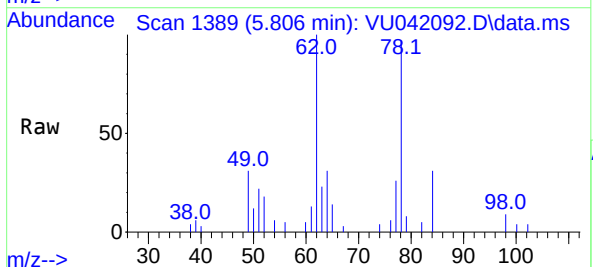
Tgt Ion: 83 Resp: 11392
Ion Ratio Lower Upper
83 100
85 64.8 46.9 87.1

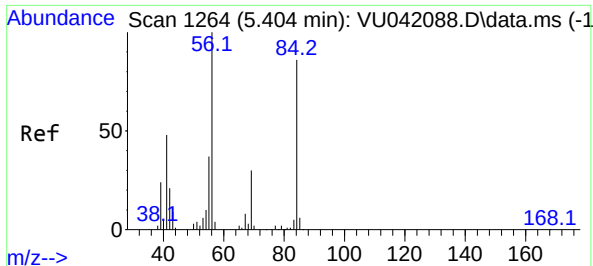


#27

1,2-Dichloroethane
Concen: 2.41 ug/L
RT: 5.806 min Scan# 1389
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 62 Resp: 7907
Ion Ratio Lower Upper
62 100
98 9.3 7.3 10.9





#29

Cyclohexane

Concen: 1.73 ug/L

RT: 5.398 min Scan# 1262

Delta R.T. -0.006 min

Lab File: VU042092.D

Acq: 18 Jan 2021 13:44

Instrument :

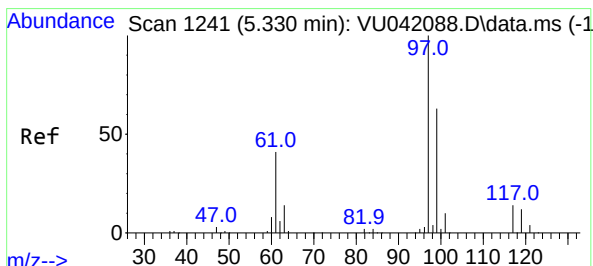
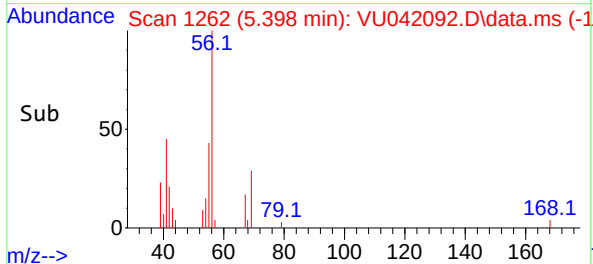
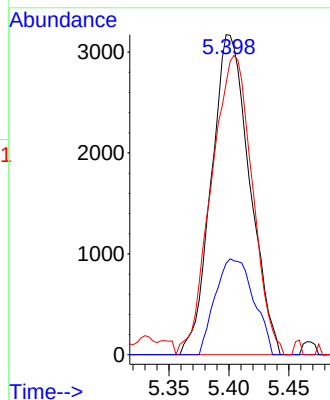
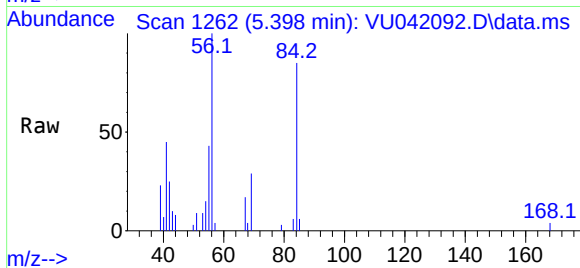
MSVOA_U

ClientSampleId :

MDL-MED-SOIL-QT1-2021-02

Tgt Ion: 56 Resp: 7032

Ion	Ratio	Lower	Upper
56	100		
69	30.0	23.4	35.0
84	99.9	64.3	96.5



#30

1,1,1-Trichloroethane

Concen: 2.07 ug/L

RT: 5.330 min Scan# 1241

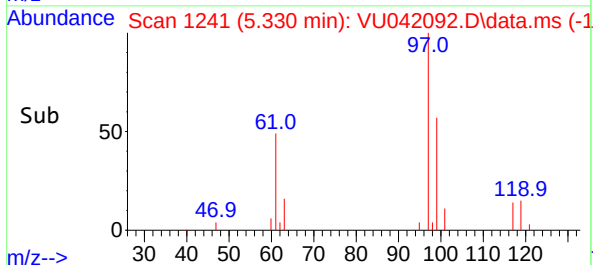
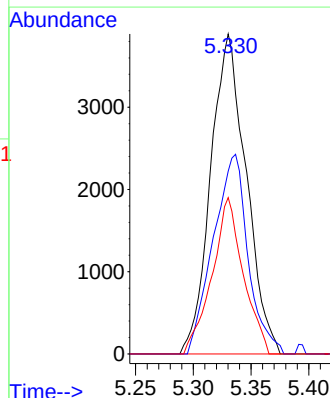
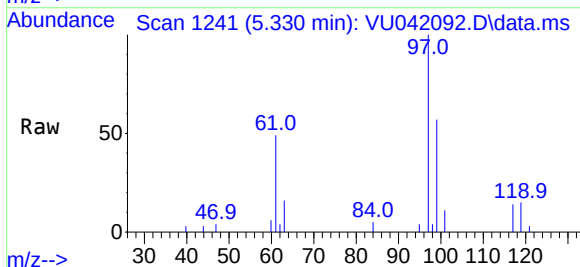
Delta R.T. -0.000 min

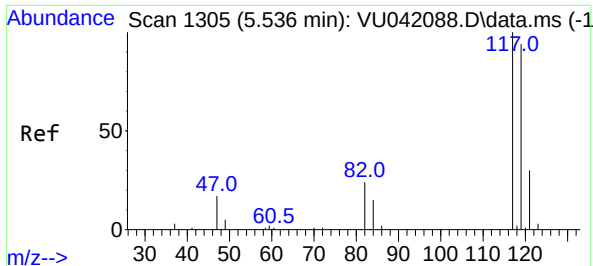
Lab File: VU042092.D

Acq: 18 Jan 2021 13:44

Tgt Ion: 97 Resp: 8324

Ion	Ratio	Lower	Upper
97	100		
99	61.2	51.3	76.9
61	43.0	37.1	55.7

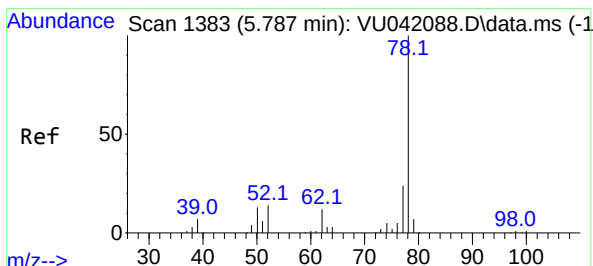
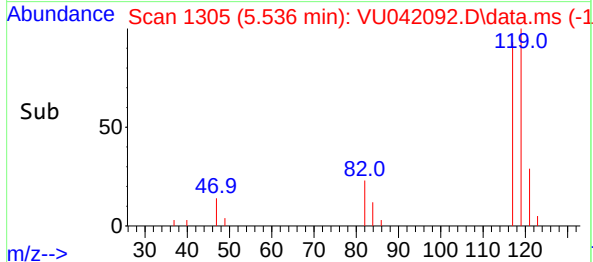
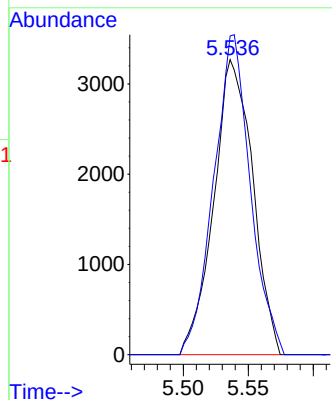
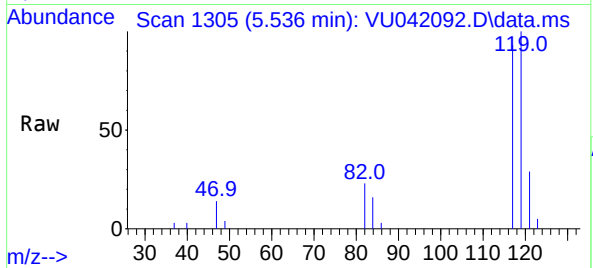




#31
Carbon tetrachloride
Concen: 2.04 ug/L
RT: 5.536 min Scan# 1305
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

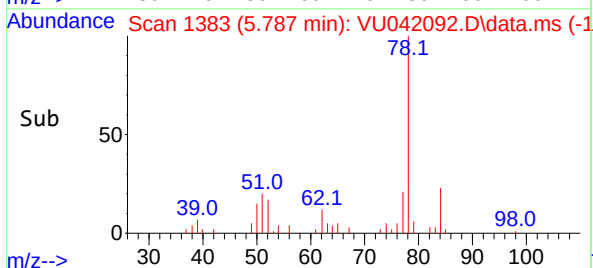
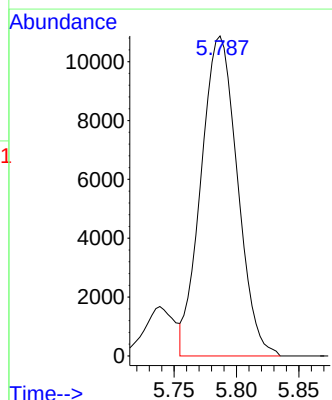
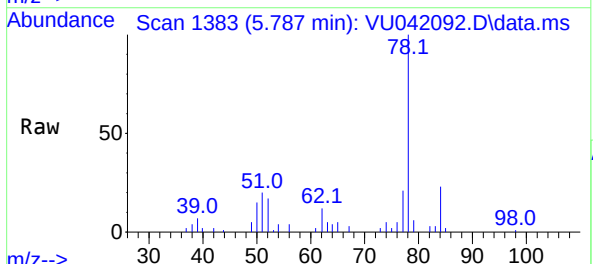
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

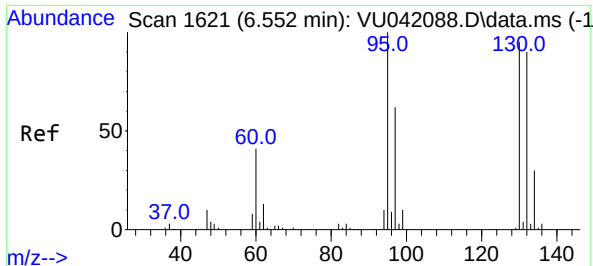
Tgt Ion:117 Resp: 6819
Ion Ratio Lower Upper
117 100
119 101.8 76.5 114.7



#33
Benzene
Concen: 2.21 ug/L
RT: 5.787 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 78 Resp: 22054



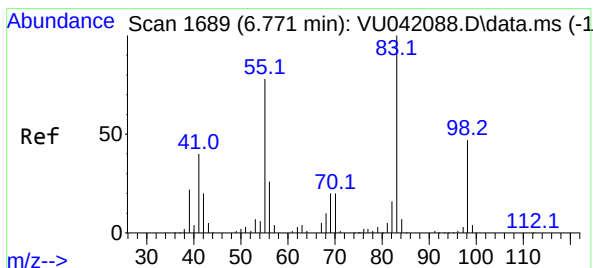
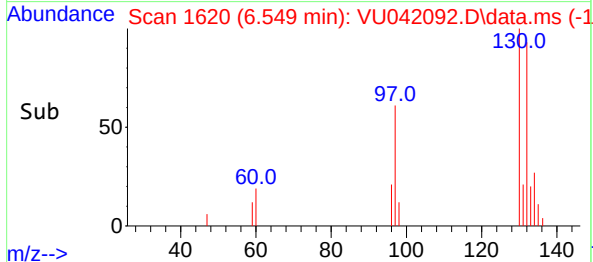
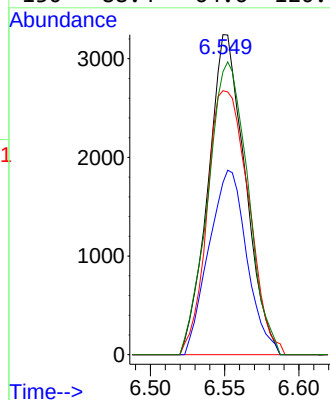
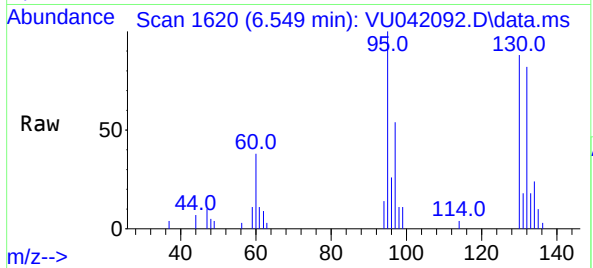


#34
Trichloroethene
Concen: 2.29 ug/L
RT: 6.549 min Scan# 1620
Delta R.T. -0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Tgt Ion: 95 Resp: 5628

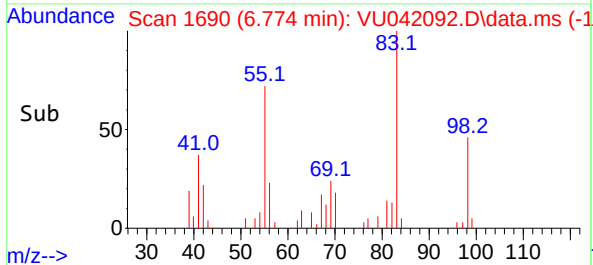
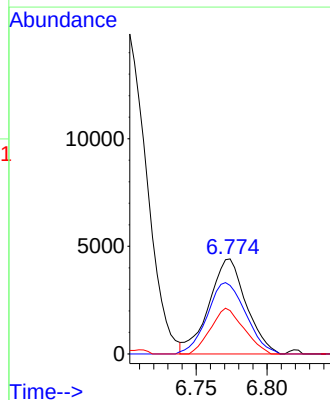
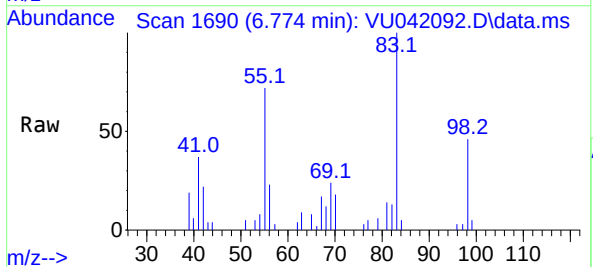
Ion	Ratio	Lower	Upper
95	100		
97	53.8	46.1	85.7
132	82.5	63.5	117.9
130	88.4	64.6	120.0

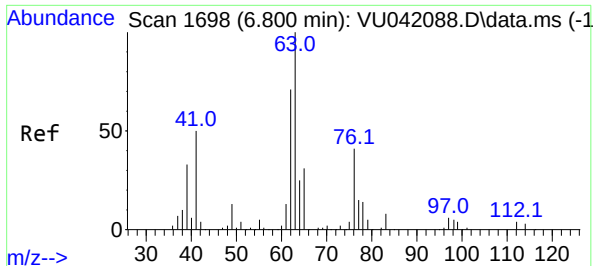


#35
Methylcyclohexane
Concen: 2.24 ug/L
RT: 6.774 min Scan# 1690
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 83 Resp: 8069

Ion	Ratio	Lower	Upper
83	100		
55	77.6	65.8	98.8
98	43.0	36.9	55.3



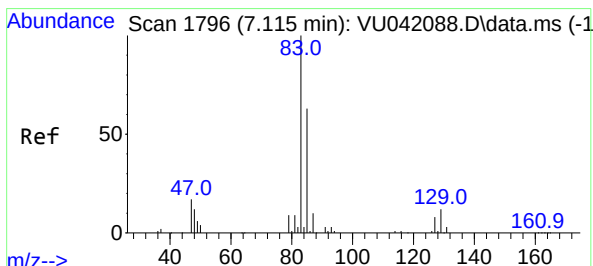
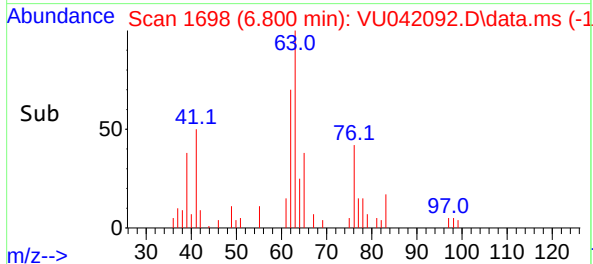
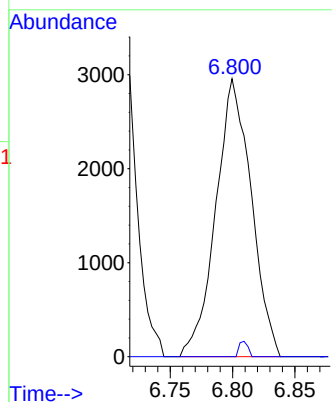
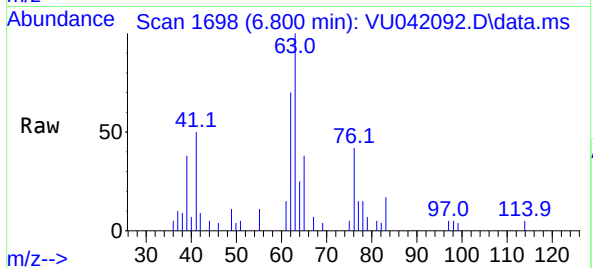


#37

1,2-Dichloropropane
Concen: 2.23 ug/L
RT: 6.800 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

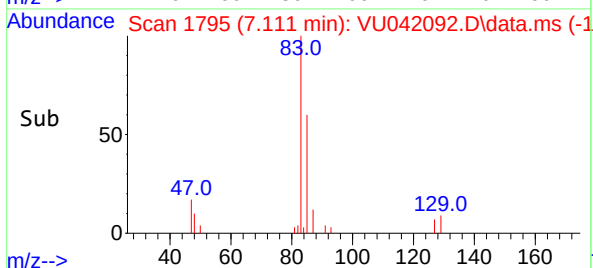
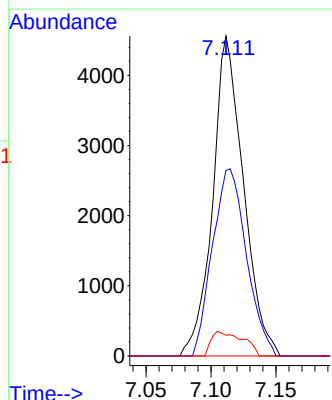
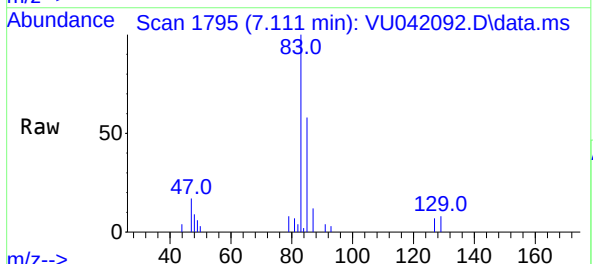
Tgt Ion: 63 Resp: 5854
Ion Ratio Lower Upper
63 100
112 1.4 3.0 4.4#

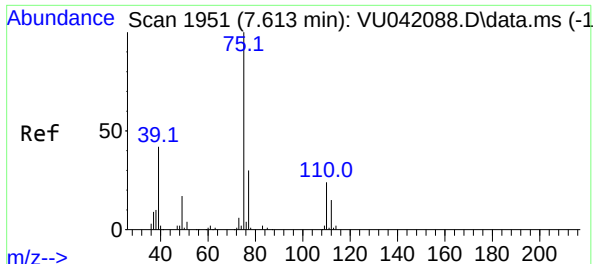


#38

Bromodichloromethane
Concen: 2.30 ug/L
RT: 7.111 min Scan# 1795
Delta R.T. -0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 83 Resp: 7495
Ion Ratio Lower Upper
83 100
85 57.9 45.3 84.1
127 6.5 6.6 9.8#

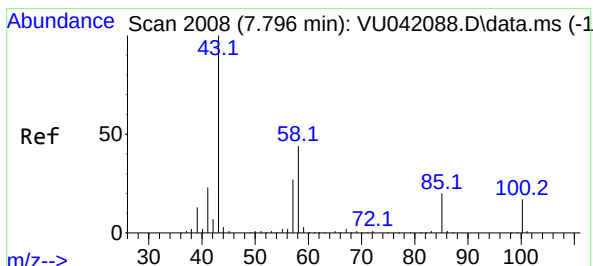
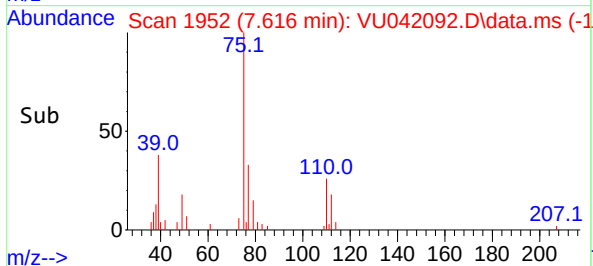
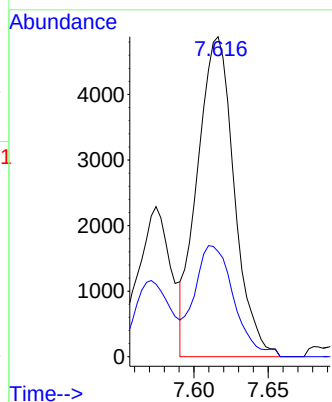
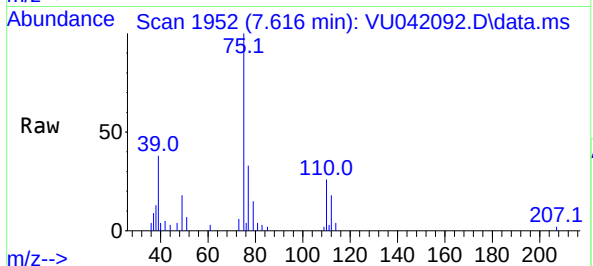




#39
cis-1,3-Dichloropropene
Concen: 2.19 ug/L
RT: 7.616 min Scan# 1952
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

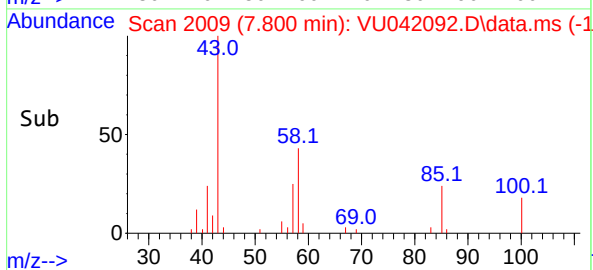
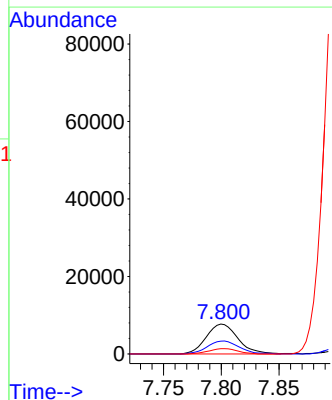
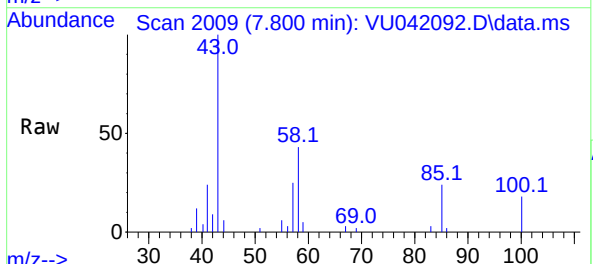
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

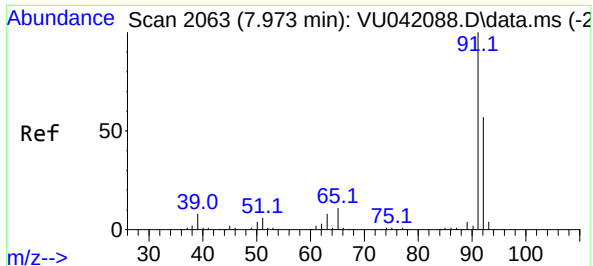
Tgt Ion: 75 Resp: 8452
Ion Ratio Lower Upper
75 100
77 32.9 22.1 41.1



#40
4-Methyl-2-pentanone
Concen: 3.64 ug/L
RT: 7.800 min Scan# 2009
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 43 Resp: 14764
Ion Ratio Lower Upper
43 100
58 43.5 33.4 50.0
100 16.2 12.0 18.0





#42

Toluene

Concen: 2.45 ug/L

RT: 7.976 min Scan# 2064

Delta R.T. 0.003 min

Lab File: VU042092.D

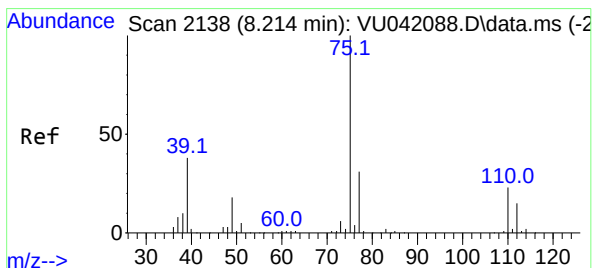
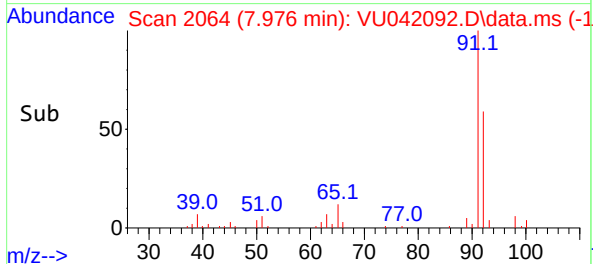
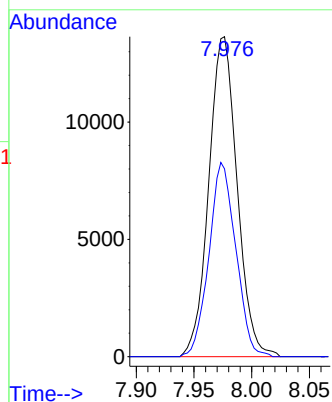
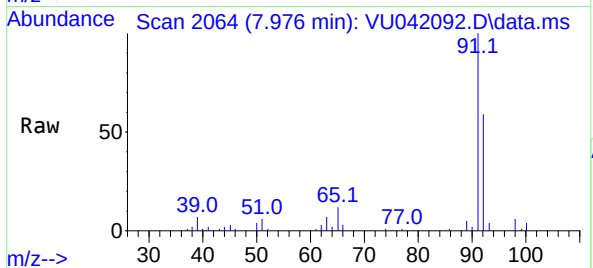
Acq: 18 Jan 2021 13:44

Tgt Ion: 91 Resp: 23303

Ion Ratio Lower Upper

91 100

92 58.7 40.2 74.6



#44

trans-1,3-Dichloropropene

Concen: 3.02 ug/L

RT: 8.214 min Scan# 2138

Delta R.T. -0.000 min

Lab File: VU042092.D

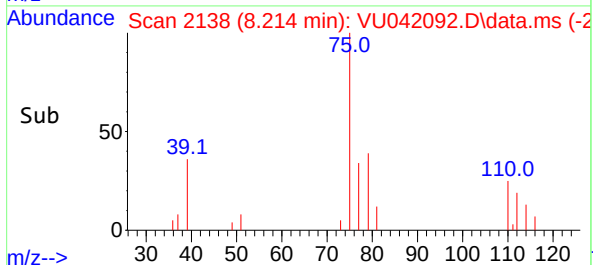
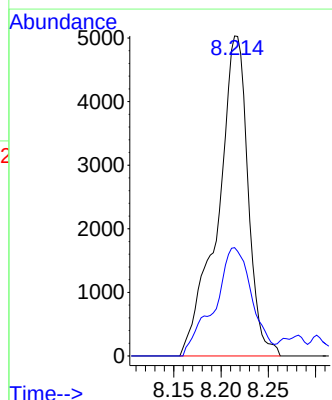
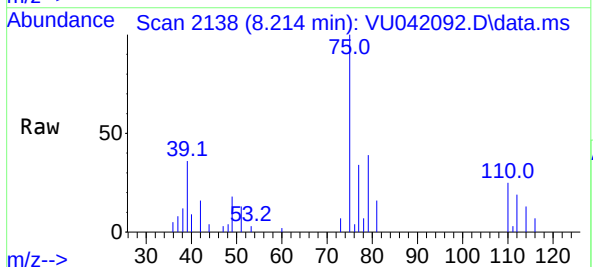
Acq: 18 Jan 2021 13:44

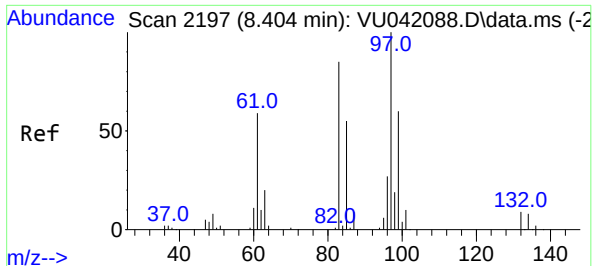
Tgt Ion: 75 Resp: 11208

Ion Ratio Lower Upper

75 100

77 33.9 21.3 39.6



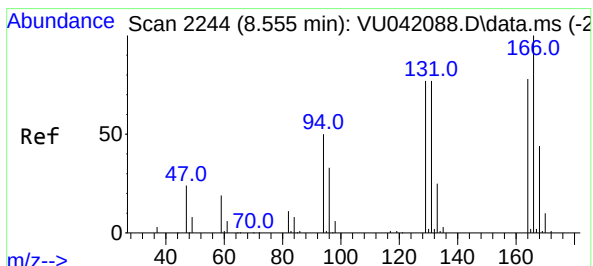
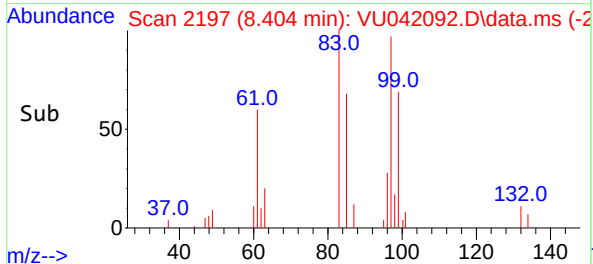
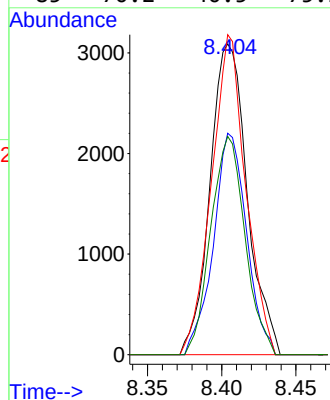
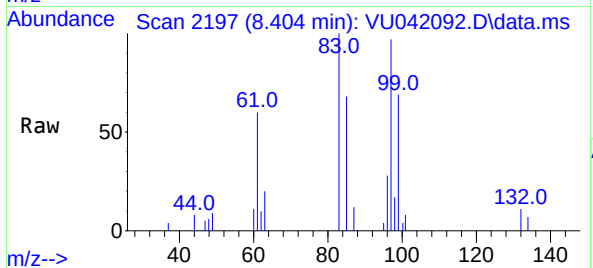


#45
1,1,2-Trichloroethane
Concen: 2.35 ug/L
RT: 8.404 min Scan# 2197
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Tgt Ion: 97 Resp: 5384

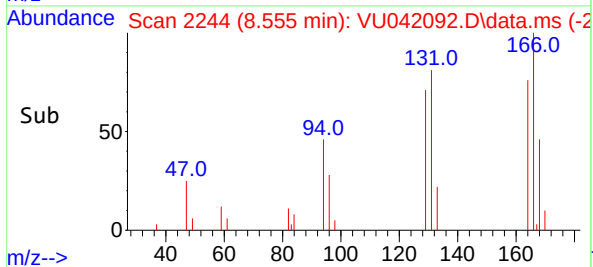
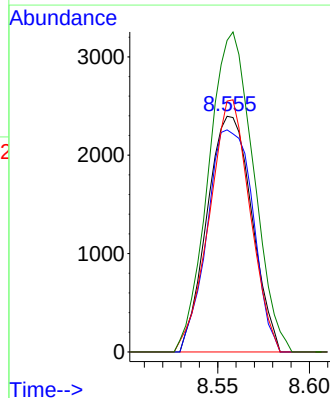
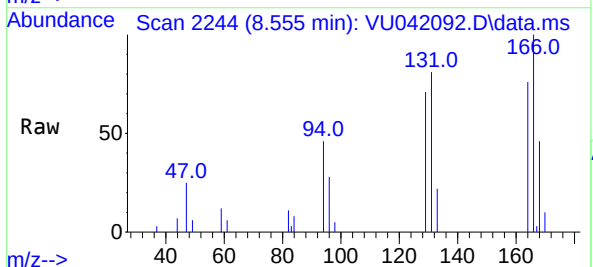
Ion	Ratio	Lower	Upper
97	100		
99	71.3	42.4	78.8
83	103.0	65.2	121.2
85	70.2	40.5	75.3

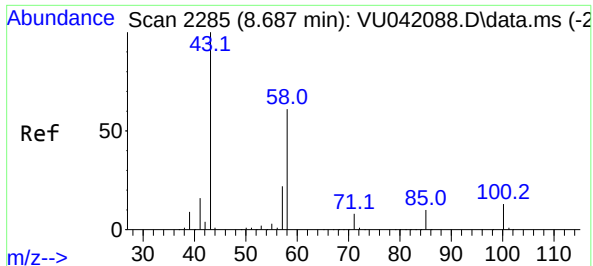


#46
Tetrachloroethene
Concen: 2.64 ug/L
RT: 8.555 min Scan# 2244
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 164 Resp: 4071

Ion	Ratio	Lower	Upper
164	100		
129	94.3	71.6	133.0
131	106.5	68.4	127.0
166	132.2	89.4	166.0

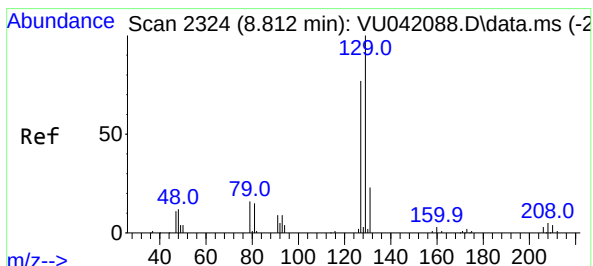
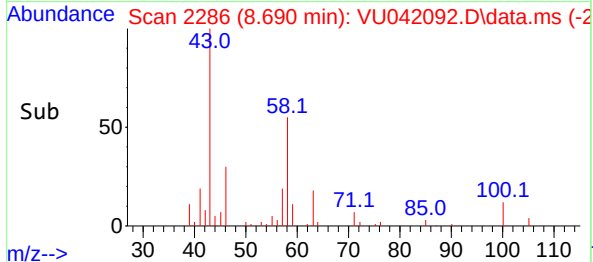
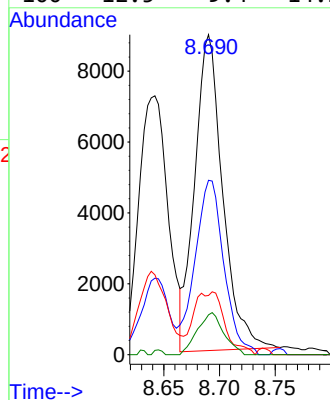
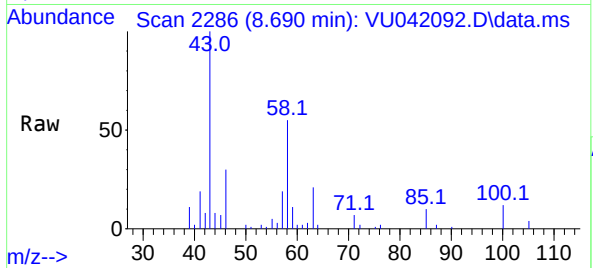




#48
2-Hexanone
Concen: 4.65 ug/L
RT: 8.690 min Scan# 2286
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

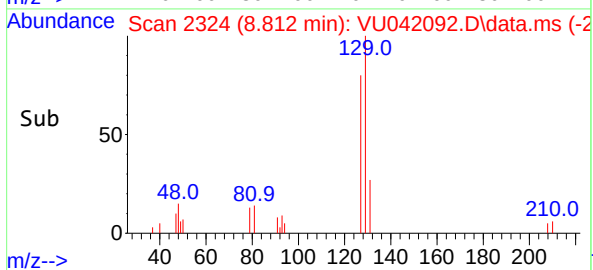
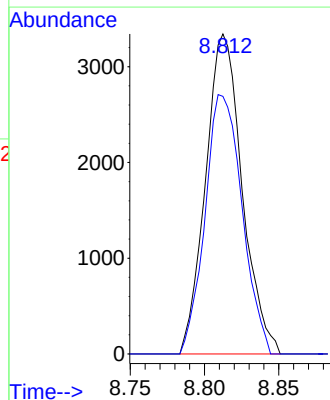
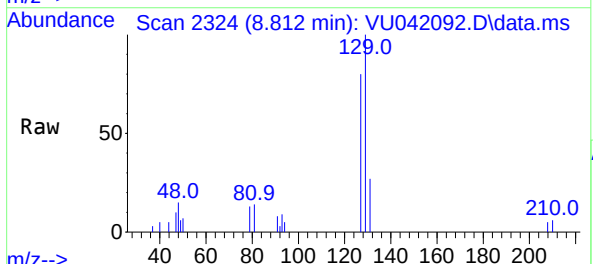
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

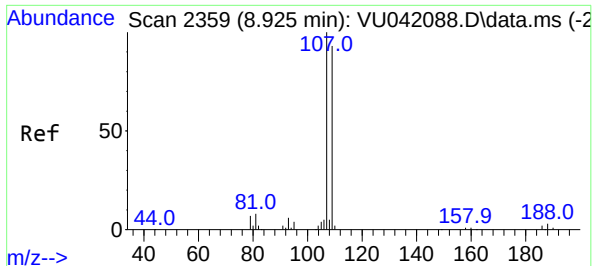
Tgt Ion: 43	Resp: 15604
Ion Ratio	Lower Upper
43 100	
58 57.4	46.6 70.0
57 5.6	17.1 25.7#
100 12.5	9.4 14.2



#49
Dibromochloromethane
Concen: 2.35 ug/L
RT: 8.812 min Scan# 2324
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 129	Resp: 5731
Ion Ratio	Lower Upper
129 100	
127 80.5	55.9 103.7





#50

1,2-Dibromoethane

Concen: 2.54 ug/L

RT: 8.925 min Scan# 2359

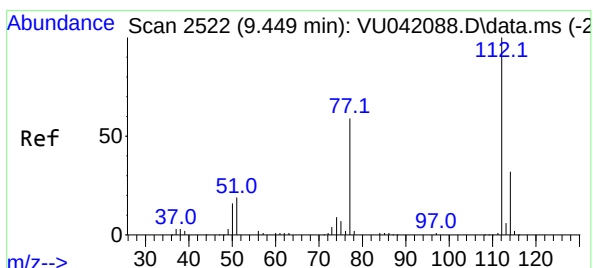
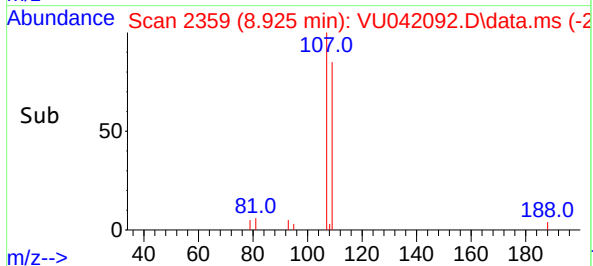
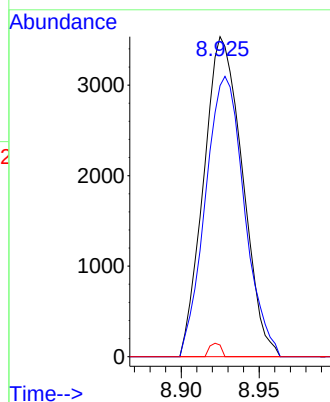
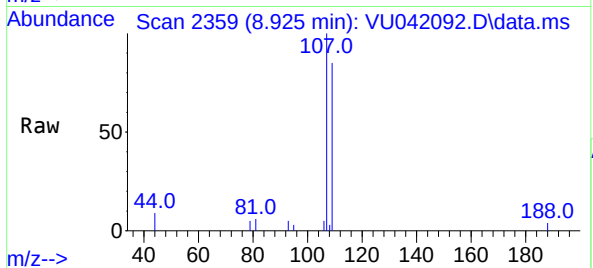
Delta R.T. -0.000 min

Lab File: VU042092.D

Acq: 18 Jan 2021 13:44

Tgt Ion:	107	Resp:	6092
Ion	Ratio	Lower	Upper
107	100		
109	84.7	65.5	121.7
188	3.6	2.2	3.4#

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02



#51

Chlorobenzene

Concen: 2.58 ug/L

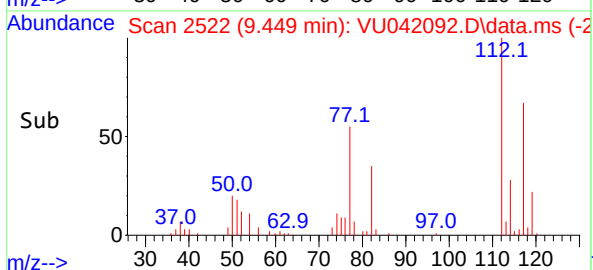
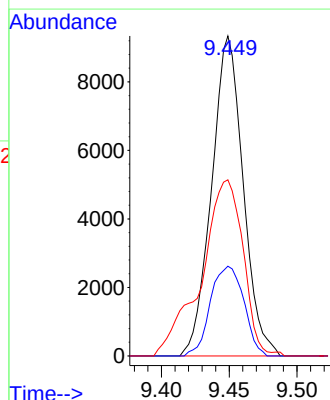
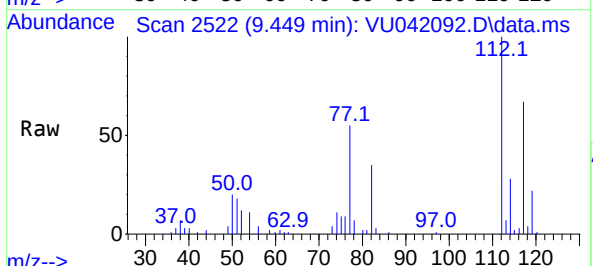
RT: 9.449 min Scan# 2522

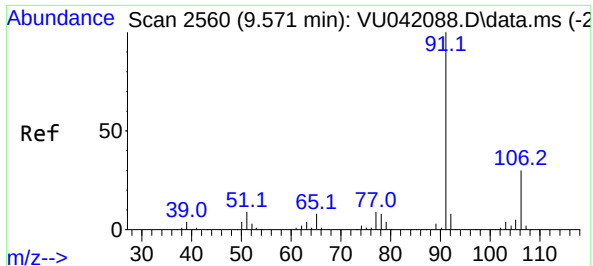
Delta R.T. -0.000 min

Lab File: VU042092.D

Acq: 18 Jan 2021 13:44

Tgt Ion:	112	Resp:	15110
Ion	Ratio	Lower	Upper
112	100		
114	28.1	22.3	41.3
77	55.1	49.4	74.0

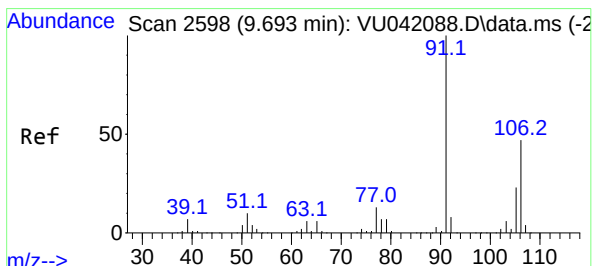
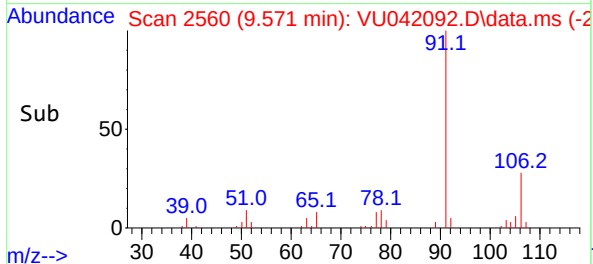
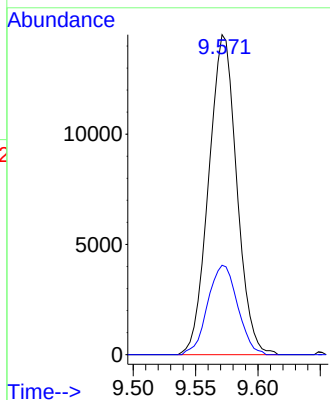
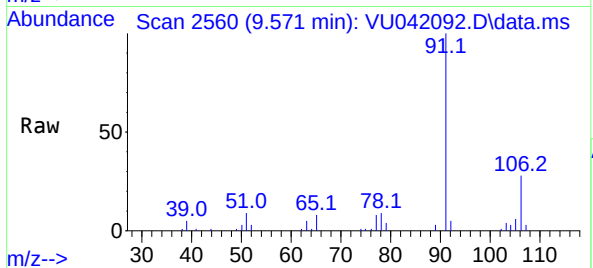




#52
Ethylbenzene
Concen: 2.24 ug/L
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

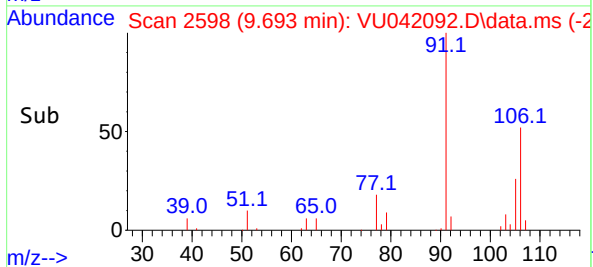
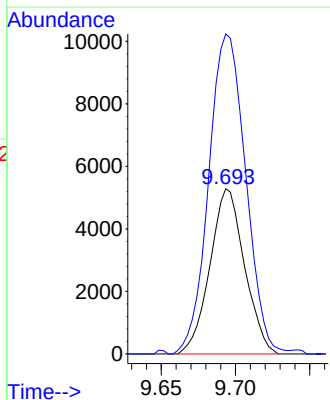
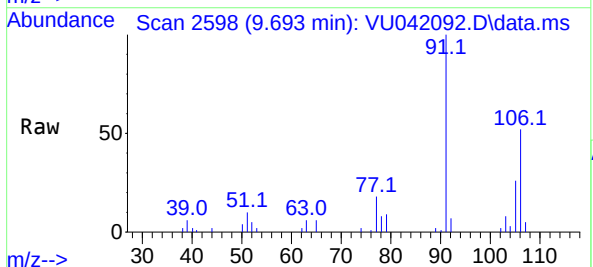
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

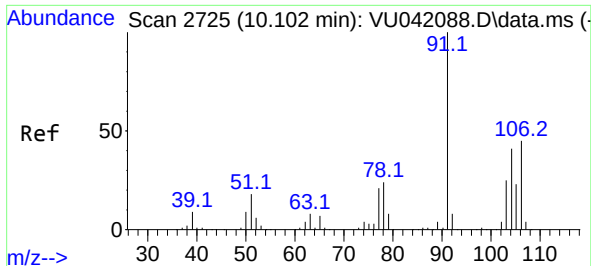
Tgt Ion: 91 Resp: 22770
Ion Ratio Lower Upper
91 100
106 28.0 20.8 38.6



#53
m,p-Xylene
Concen: 2.32 ug/L
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 106 Resp: 8553
Ion Ratio Lower Upper
106 100
91 193.6 151.4 281.2

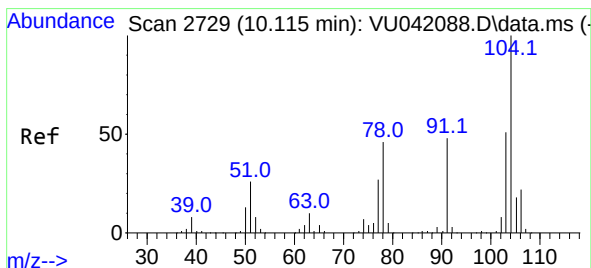
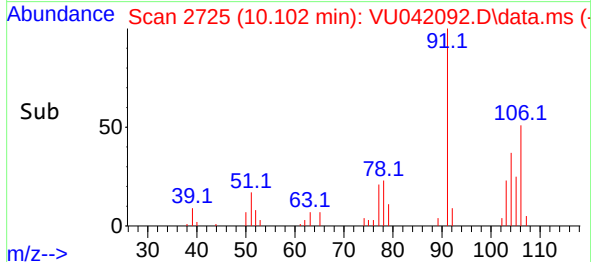
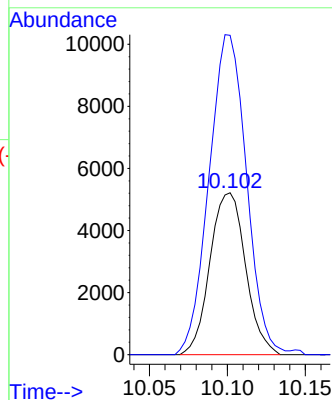
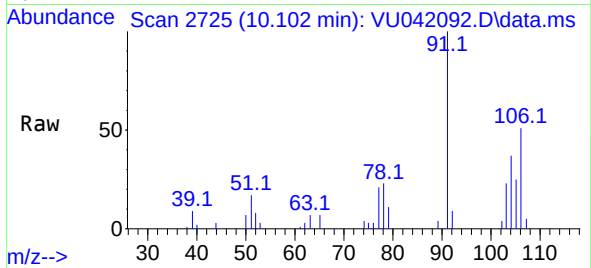




#54
o-xylene
Concen: 2.33 ug/L
RT: 10.102 min Scan# 2725
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

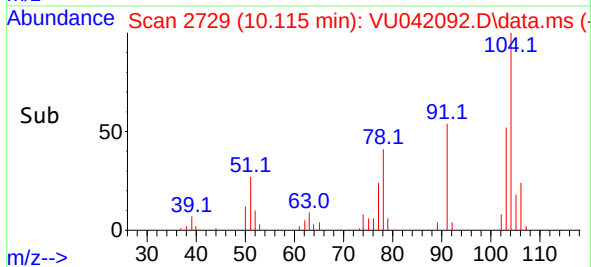
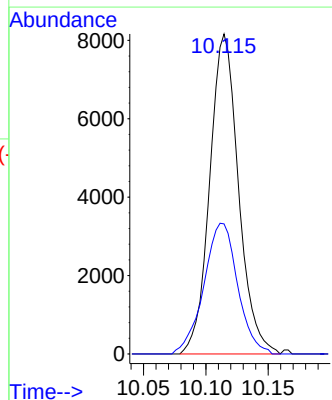
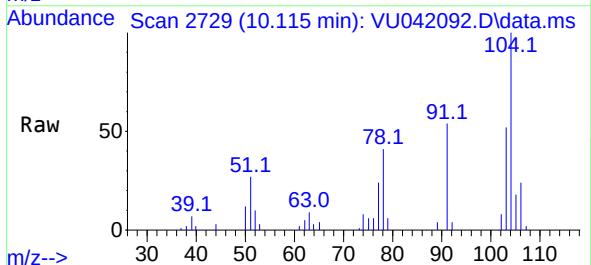
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

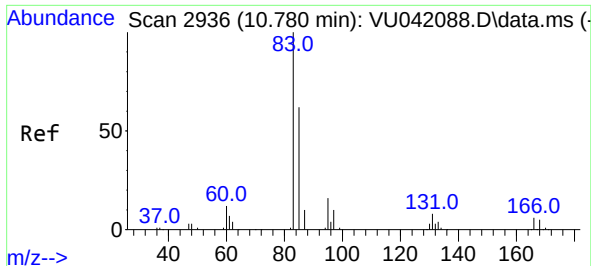
Tgt Ion:106 Resp: 8297
Ion Ratio Lower Upper
106 100
91 197.2 158.5 294.3



#55
Styrene
Concen: 2.10 ug/L
RT: 10.115 min Scan# 2729
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:104 Resp: 13139
Ion Ratio Lower Upper
104 100
78 40.6 35.0 65.0

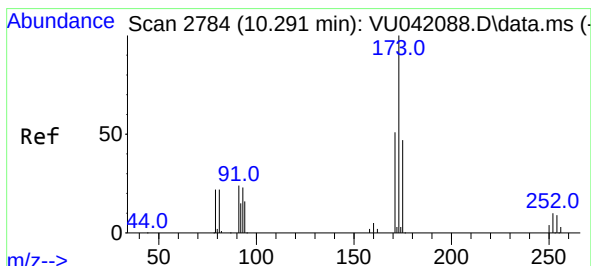
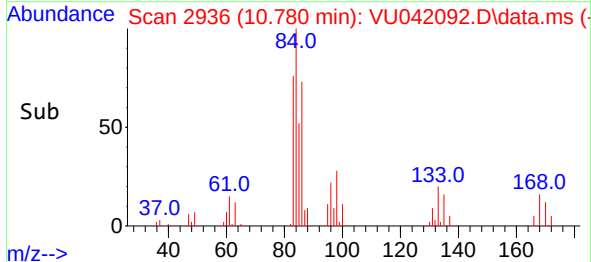
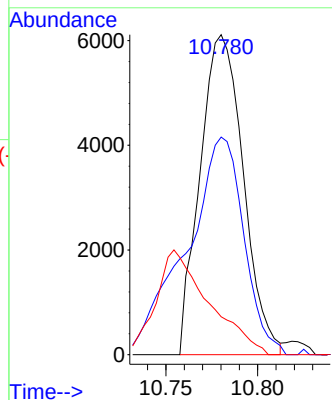
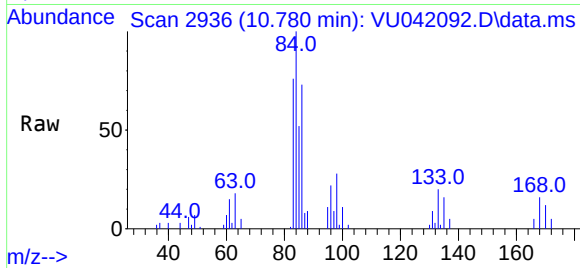




#57
1,1,2,2-Tetrachloroethane
Concen: 2.36 ug/L
RT: 10.780 min Scan# 2936
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

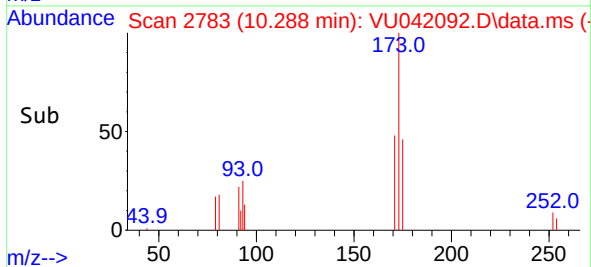
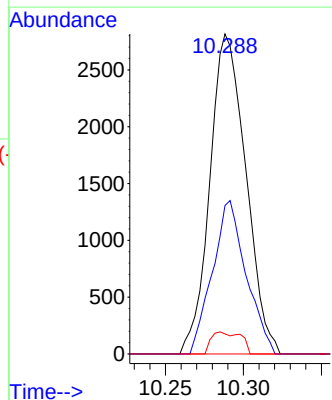
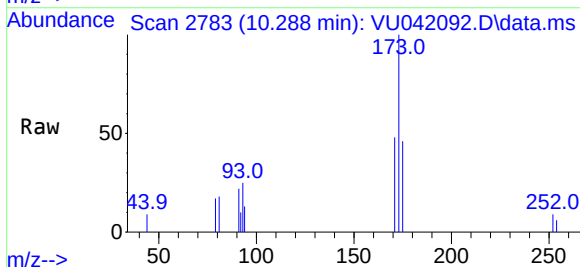
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

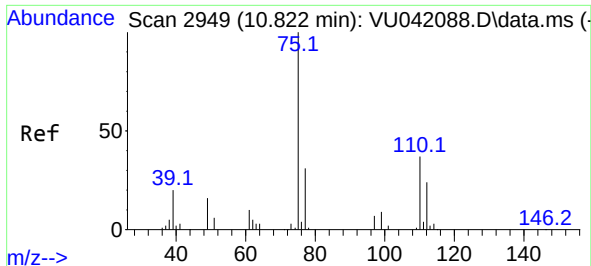
Tgt Ion:	83	Resp:	10027
Ion	Ratio	Lower	Upper
83	100		
85	68.0	45.1	83.9
131	11.8	7.4	11.2#



#59
Bromoform
Concen: 2.66 ug/L
RT: 10.288 min Scan# 2783
Delta R.T. -0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:	173	Resp:	4523
Ion	Ratio	Lower	Upper
173	100		
175	44.9	37.8	56.8
254	3.6	6.6	10.0#

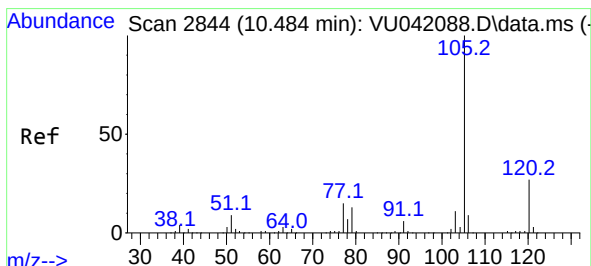
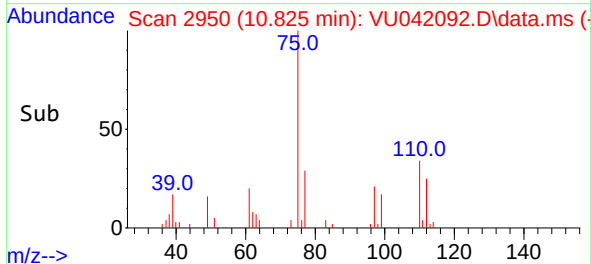
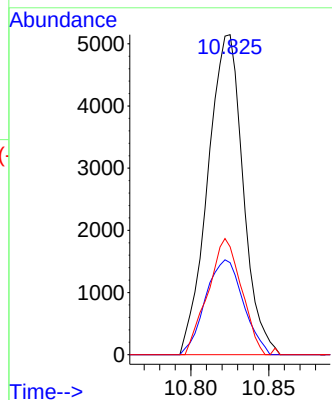
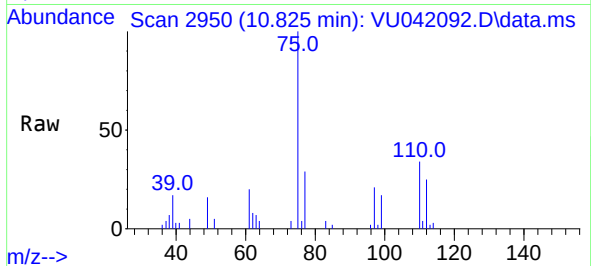




#60
1,2,3-Trichloropropane
Concen: 2.37 ug/L
RT: 10.825 min Scan# 2950
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

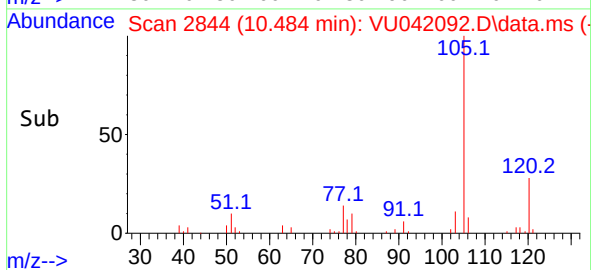
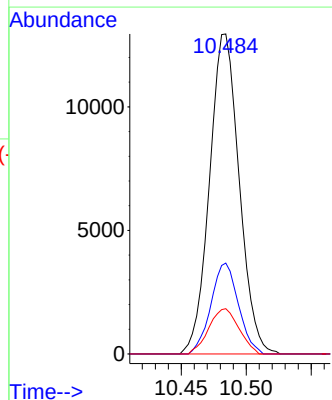
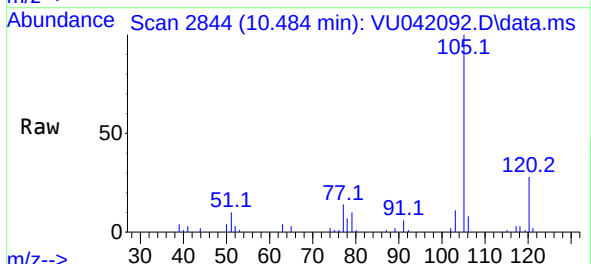
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

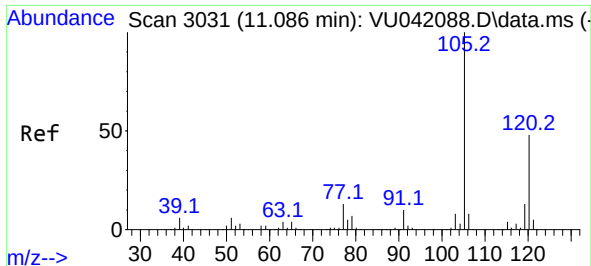
Tgt Ion:	75	Resp:	8102
Ion Ratio	Lower	Upper	
75	100		
77	31.7	25.8	38.6
110	34.4	28.7	43.1



#61
Isopropylbenzene
Concen: 2.25 ug/L
RT: 10.484 min Scan# 2844
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:	105	Resp:	20583
Ion Ratio	Lower	Upper	
105	100		
120	26.2	20.6	30.8
77	14.3	13.4	20.0

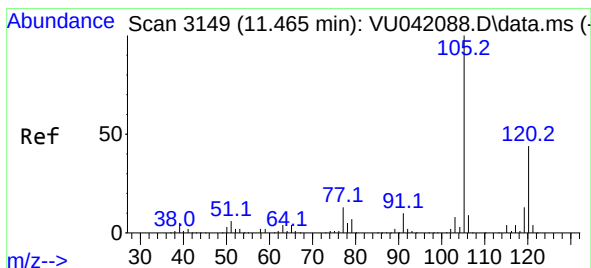
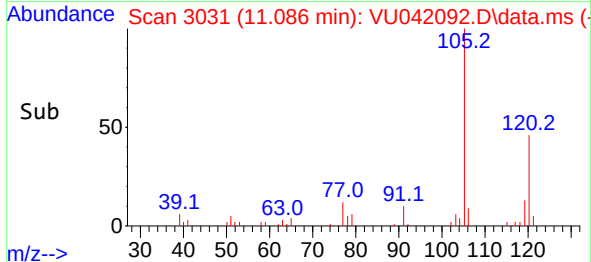
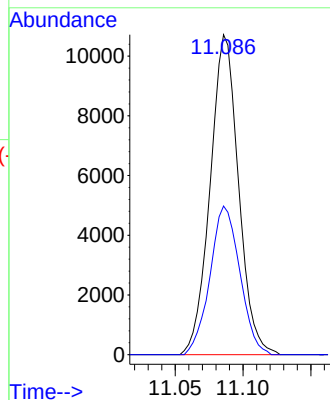
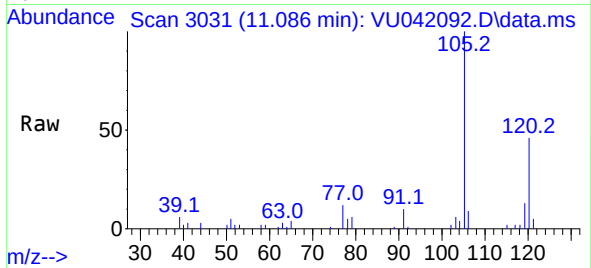




#62
1,3,5-Trimethylbenzene
Concen: 2.01 ug/L
RT: 11.086 min Scan# 3031
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

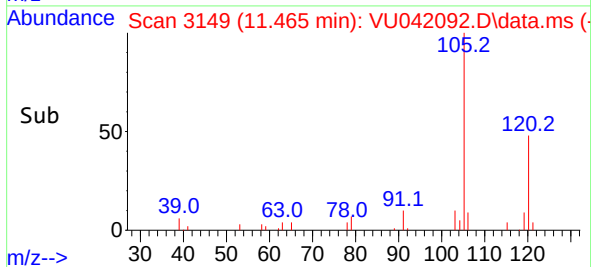
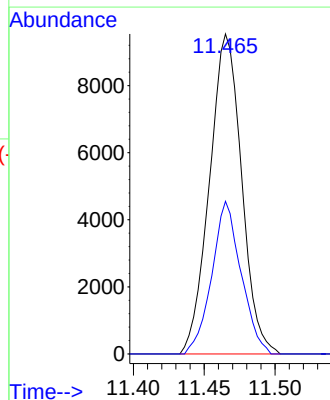
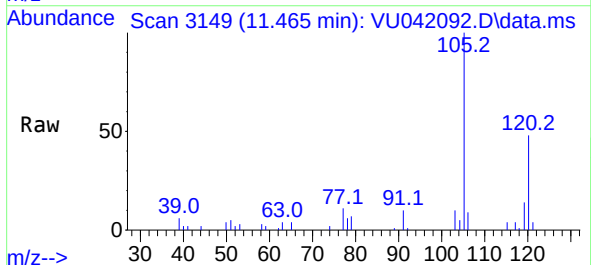
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

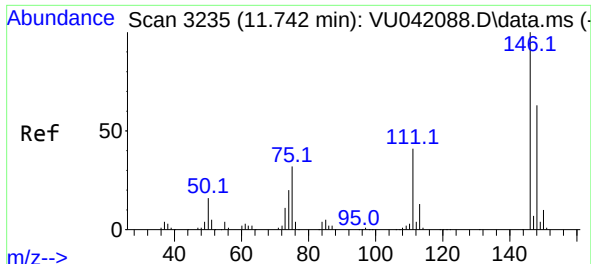
Tgt Ion:105 Resp: 15600
Ion Ratio Lower Upper
105 100
120 48.9 37.9 56.9



#63
1,2,4-Trimethylbenzene
Concen: 1.94 ug/L
RT: 11.465 min Scan# 3149
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:105 Resp: 15045
Ion Ratio Lower Upper
105 100
120 43.4 35.5 53.3

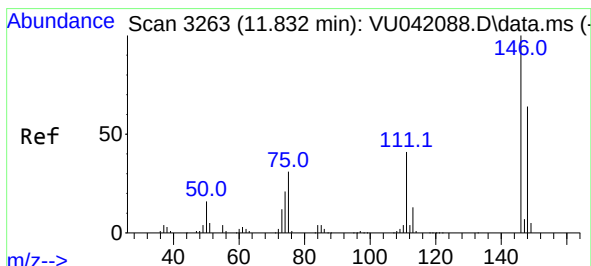
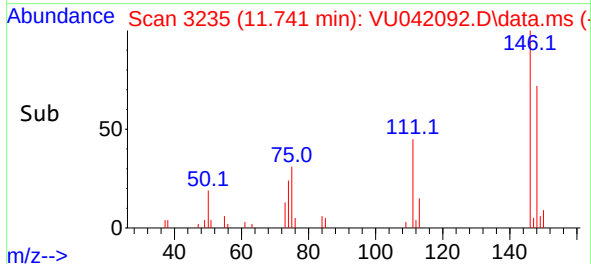
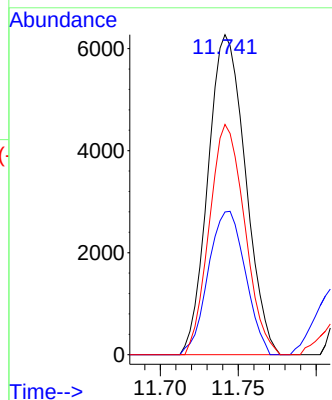
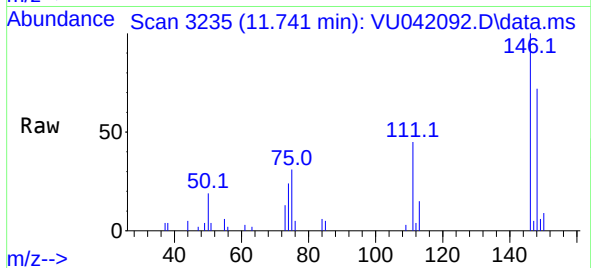




#64
1,3-Dichlorobenzene
Concen: 2.50 ug/L
RT: 11.741 min Scan# 3235
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

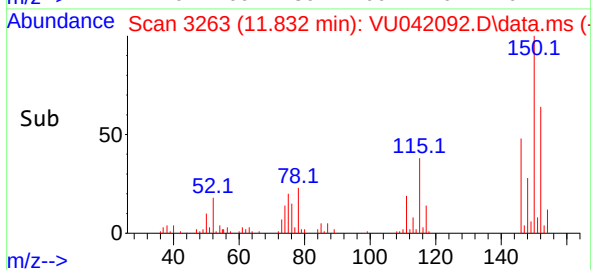
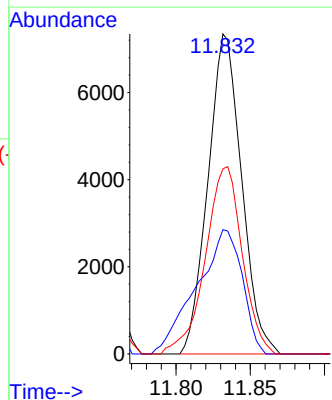
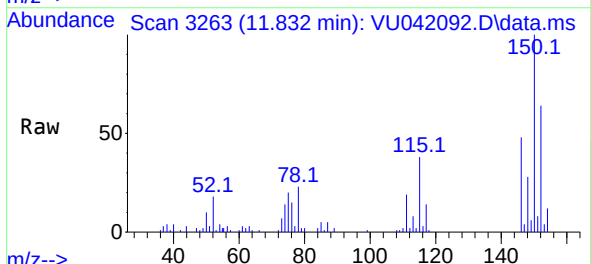
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

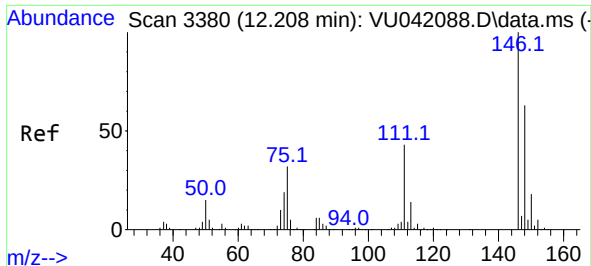
Tgt Ion:146 Resp: 10467
Ion Ratio Lower Upper
146 100
111 44.6 30.7 56.9
148 71.9 44.1 81.9



#65
1,4-Dichlorobenzene
Concen: 2.76 ug/L
RT: 11.832 min Scan# 3263
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:146 Resp: 11560
Ion Ratio Lower Upper
146 100
111 38.8 29.4 54.6
148 57.9 45.1 83.9

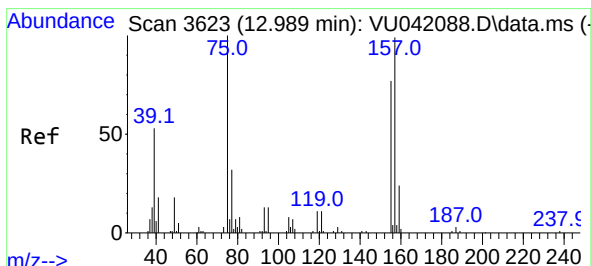
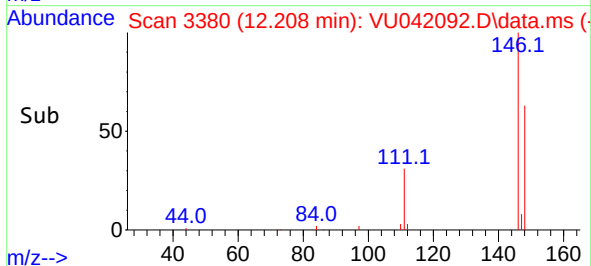
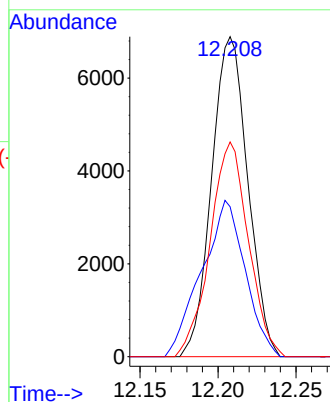
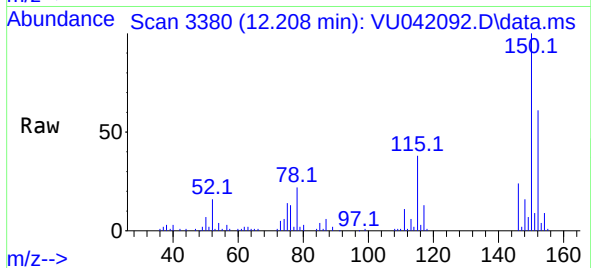




#67
1,2-Dichlorobenzene
Concen: 2.60 ug/L
RT: 12.208 min Scan# 3380
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

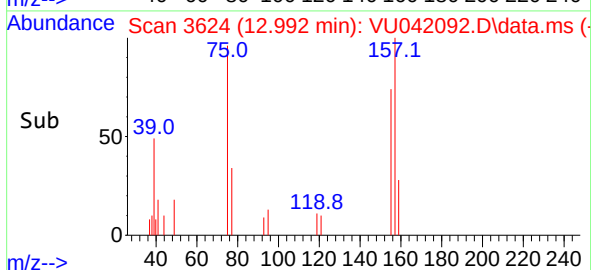
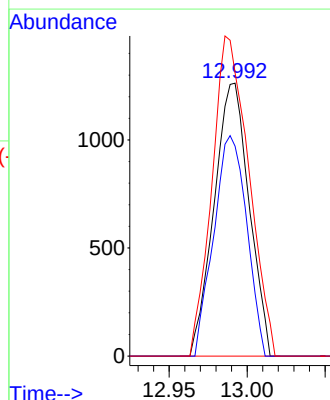
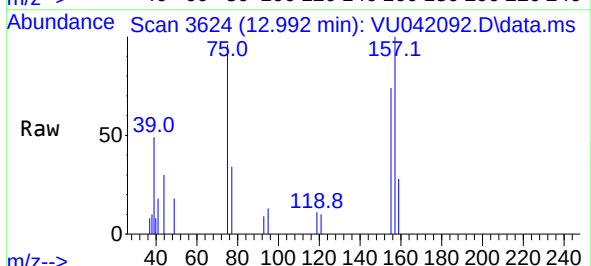
Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

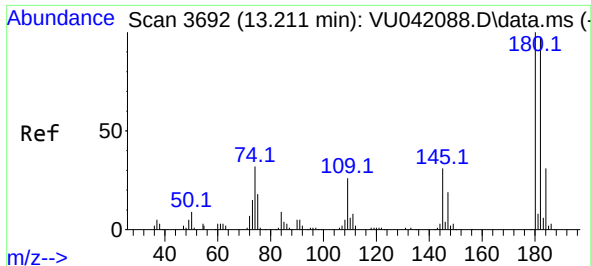
Tgt Ion:146 Resp: 11119
Ion Ratio Lower Upper
146 100
111 46.9 35.4 53.2
148 67.1 52.6 79.0



#68
1,2-Dibromo-3-chloropropane
Concen: 1.82 ug/L
RT: 12.992 min Scan# 3624
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion: 75 Resp: 1971
Ion Ratio Lower Upper
75 100
155 76.9 56.2 84.2
157 103.7 69.5 104.3



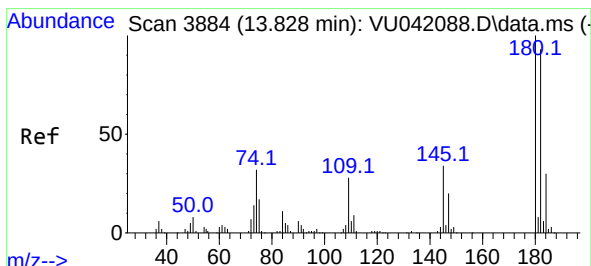
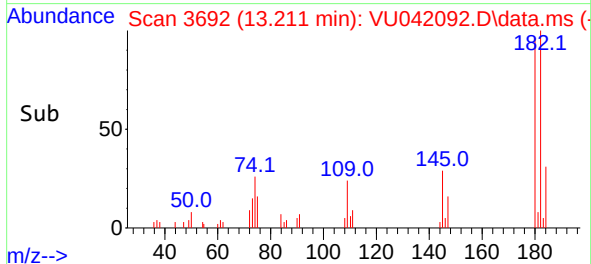
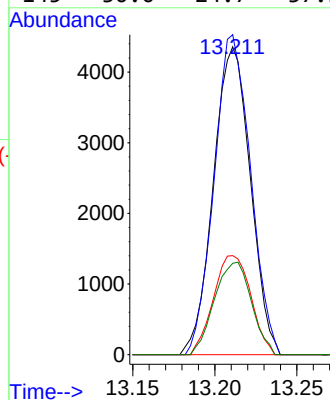
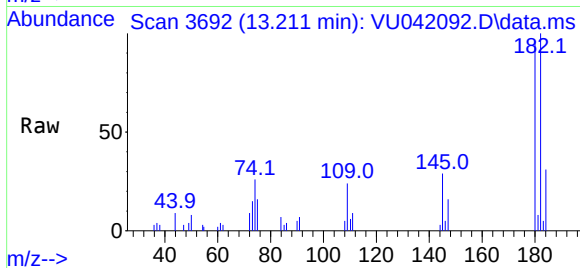


#69
1,3,5-Trichlorobenzene
Concen: 2.41 ug/L
RT: 13.211 min Scan# 3692
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Tgt Ion:180 Resp: 6825

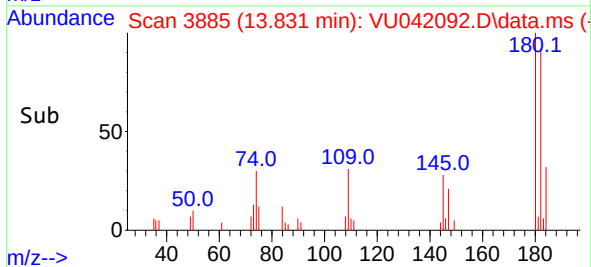
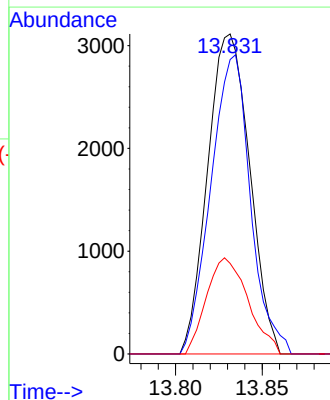
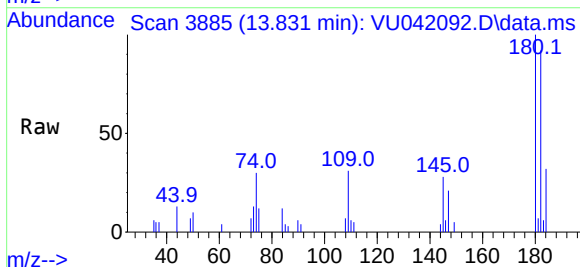
Ion	Ratio	Lower	Upper
180	100		
182	102.1	76.1	114.1
184	32.5	24.3	36.5
145	30.0	24.7	37.1

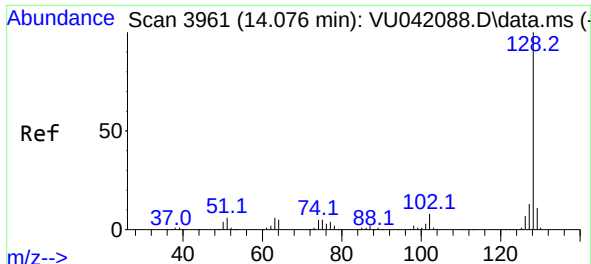


#70
1,2,4-trichlorobenzene
Concen: 2.41 ug/L
RT: 13.831 min Scan# 3885
Delta R.T. 0.003 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:180 Resp: 5250

Ion	Ratio	Lower	Upper
180	100		
182	88.2	76.1	114.1
145	29.8	26.8	40.2

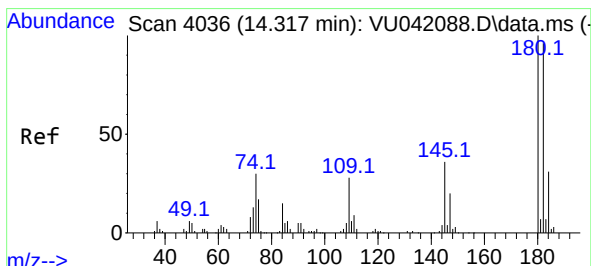
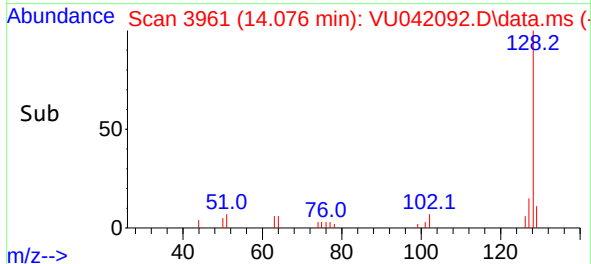
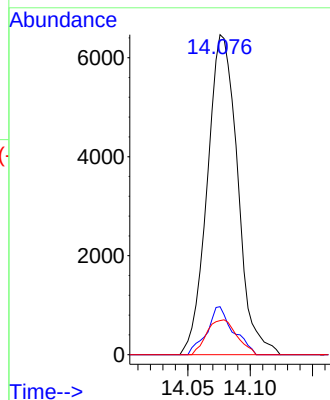
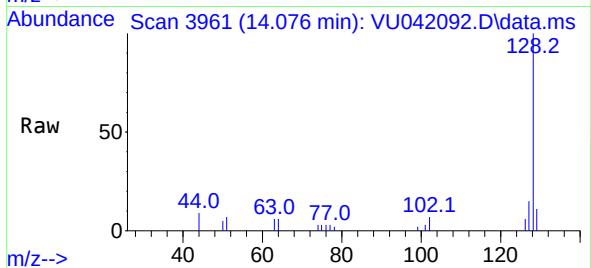




#71
Naphthalene
Concen: 1.46 ug/L
RT: 14.076 min Scan# 3961
Delta R.T. -0.000 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Instrument :
MSVOA_U
ClientSampleId :
MDL-MED-SOIL-QT1-2021-02

Tgt Ion:128 Resp: 10944
Ion Ratio Lower Upper
128 100
127 13.1 10.8 16.2
129 10.8 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 2.04 ug/L
RT: 14.323 min Scan# 4038
Delta R.T. 0.006 min
Lab File: VU042092.D
Acq: 18 Jan 2021 13:44

Tgt Ion:180 Resp: 4561
Ion Ratio Lower Upper
180 100
182 96.6 75.5 113.3
145 30.8 27.1 40.7

