

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU011923\
 Data File : VU052741.D
 Acq On : 19 Jan 2023 16:48
 Operator : JC/MD
 Sample : VU0119WBL04
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0119WBL04

Quant Time: Jan 20 01:11:35 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U011923W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 20 01:04:16 2023
 Response via : Initial Calibration

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

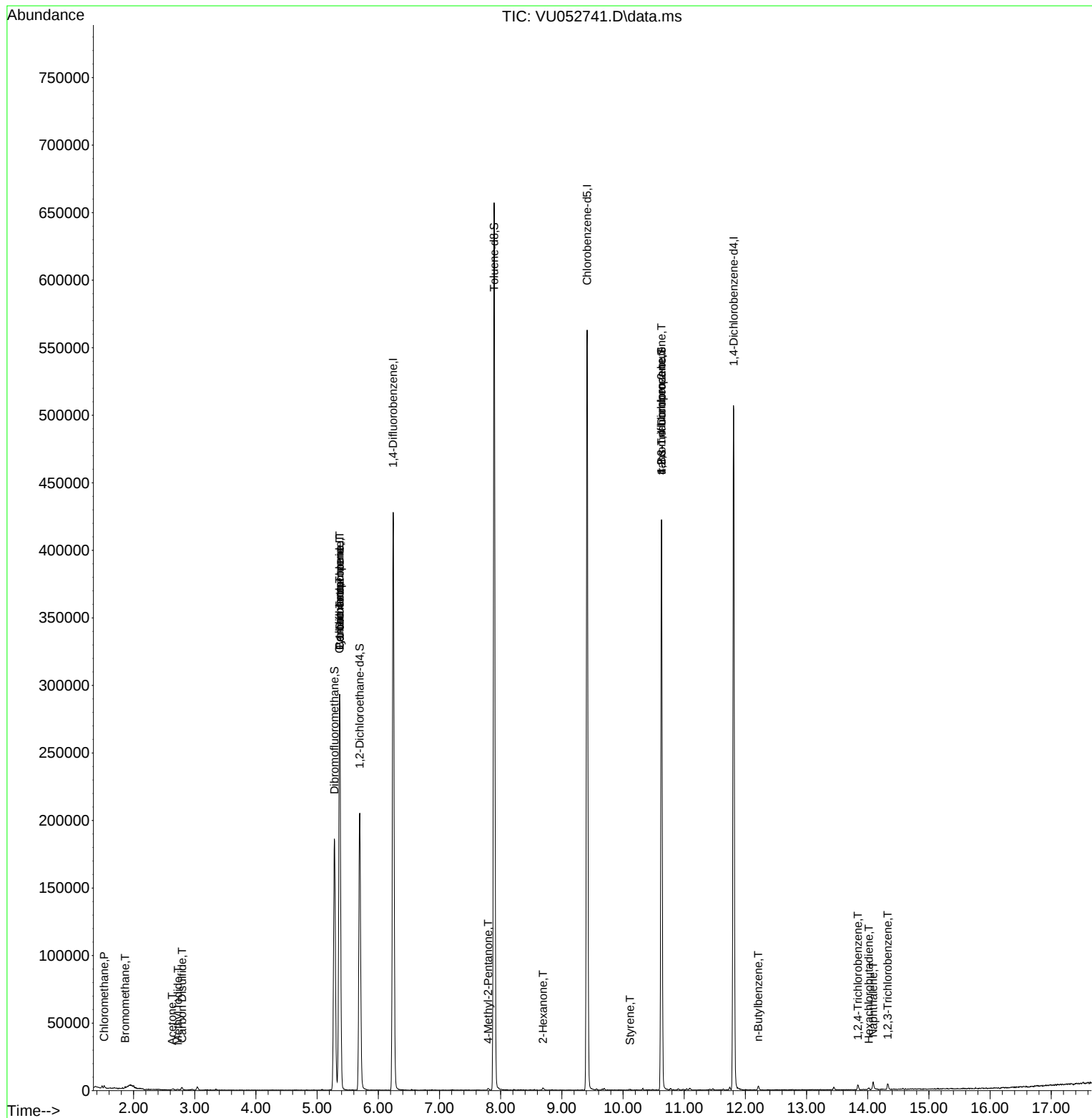
Internal Standards						
1) Pentafluorobenzene	5.369	168	207815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.243	114	350915	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.414	117	314944	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.809	152	136775	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.697	65	157082	52.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.960%			
35) Dibromofluoromethane	5.282	113	121293	49.640	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.280%			
50) Toluene-d8	7.893	98	430244	46.952	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.900%			
62) 4-Bromofluorobenzene	10.629	95	140582	41.998	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.000%			
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	1428	0.567	ug/l	92
5) Bromomethane	1.861	94	259	0.209	ug/l #	44
10) Methyl Iodide	2.726	142	573	4.681	ug/l #	82
13) Acrolein	2.494	56	70	Below Cal	#	83
16) Acetone	2.629	43	408	0.286	ug/l #	41
17) Carbon Disulfide	2.793	76	2468	0.373	ug/l	96
20) Methylene Chloride	3.041	84	1100	Below Cal	#	91
31) Cyclohexane	5.366	56	4069	0.970	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	16723	4.770	ug/l #	49
38) Carbon Tetrachloride	5.369	117	20389	5.653	ug/l #	17
51) 4-Methyl-2-Pentanone	7.796	43	1136	0.330	ug/l	95
59) 2-Hexanone	8.690	43	652	0.246	ug/l #	16
70) Styrene	10.115	104	366	1.384	ug/l #	62
76) 1,2,3-Trichloropropane	10.629	75	70748	18.954	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.629	75	70748	73.655	ug/l #	13
89) n-Butylbenzene	12.211	91	1545	2.632	ug/l	88
93) 1,2,4-Trichlorobenzene	13.838	180	1517	0.580	ug/l	88
94) Hexachlorobutadiene	14.018	225	420	0.290	ug/l	69
95) Naphthalene	14.089	128	5968	3.153	ug/l #	94
96) 1,2,3-Trichlorobenzene	14.327	180	1804	0.695	ug/l	87

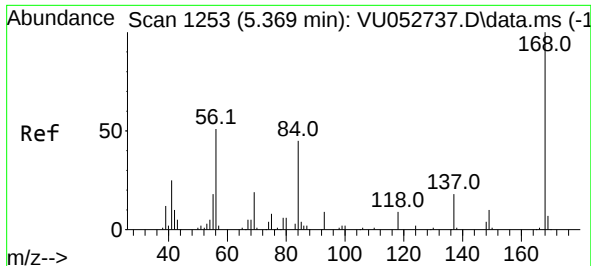
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri Jan 20 01:04:16 2023
Response via : Initial Calibration

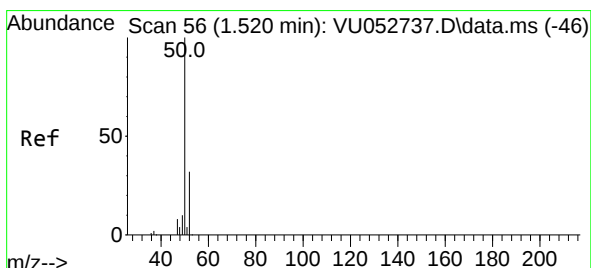
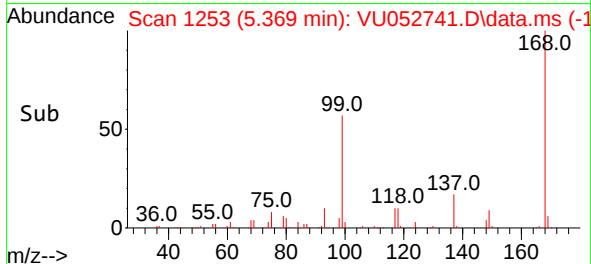
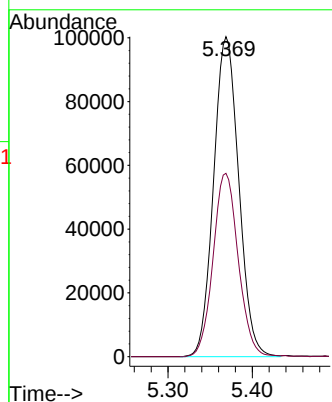
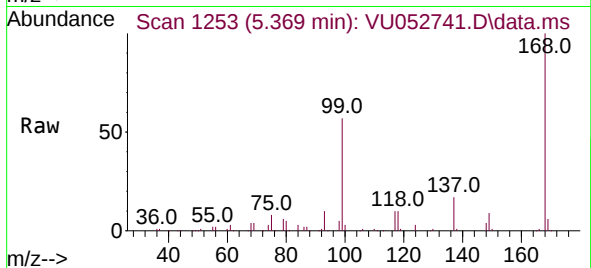




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

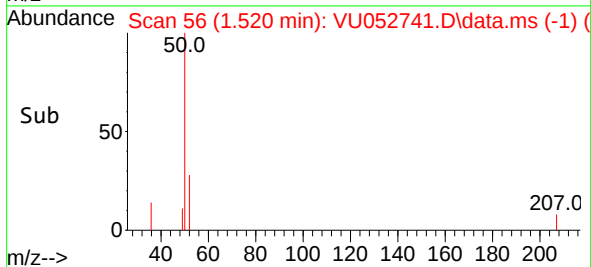
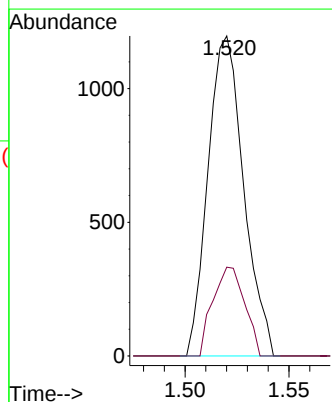
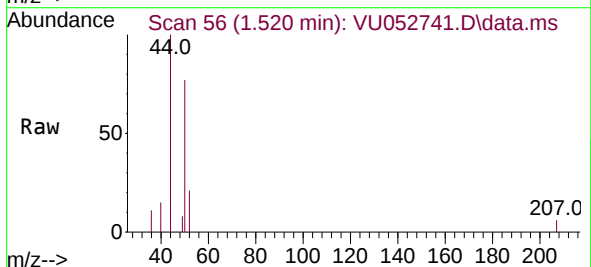
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

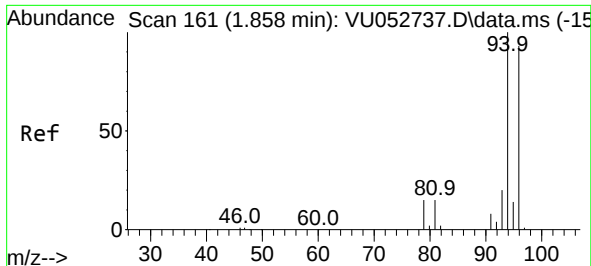
Tgt Ion:168 Resp: 207815
Ion Ratio Lower Upper
168 100
99 57.3 46.4 69.6



#3
Chloromethane
Concen: 0.567 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 50 Resp: 1428
Ion Ratio Lower Upper
50 100
52 27.7 25.8 38.6

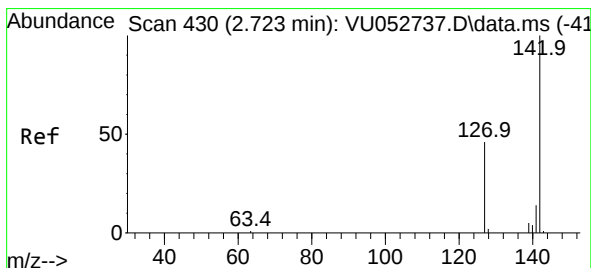
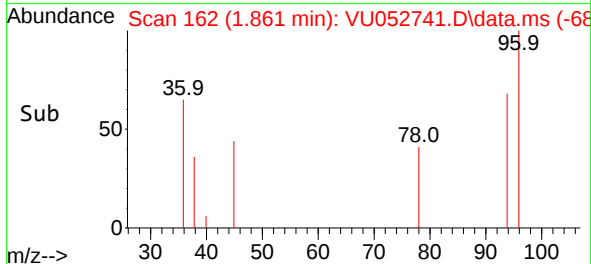
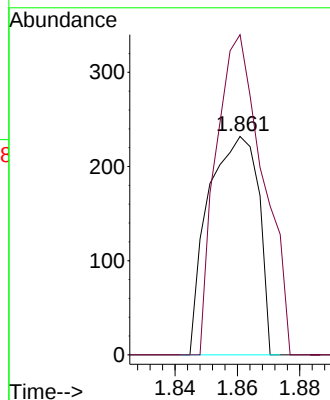
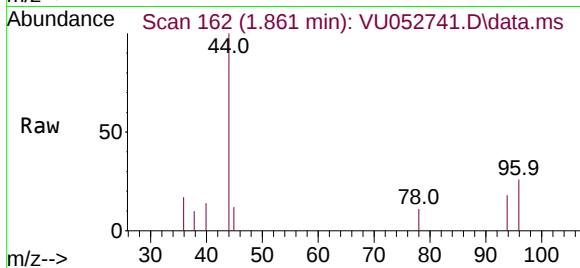




#5
Bromomethane
Concen: 0.209 ug/l
RT: 1.861 min Scan# 1
Delta R.T. 0.003 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

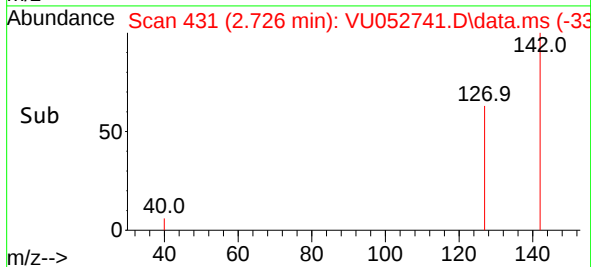
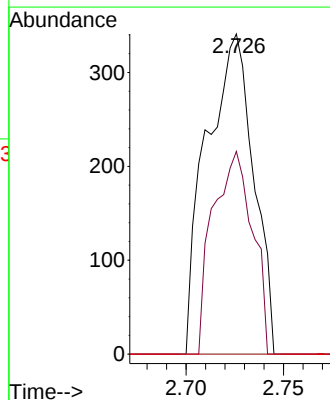
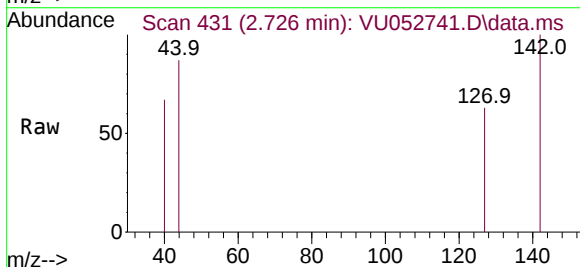
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

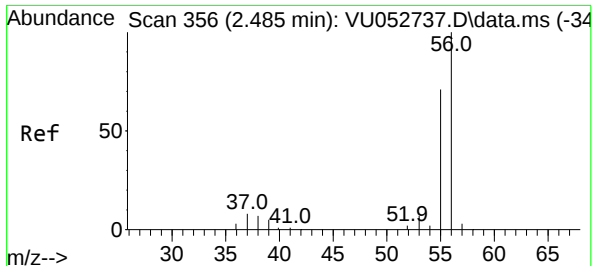
Tgt Ion: 94 Resp: 259
Ion Ratio Lower Upper
94 100
96 146.6 74.3 111.5#



#10
Methyl Iodide
Concen: 4.681 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.003 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 142 Resp: 573
Ion Ratio Lower Upper
142 100
127 53.4 36.3 54.5
141 0.0 11.8 17.6#

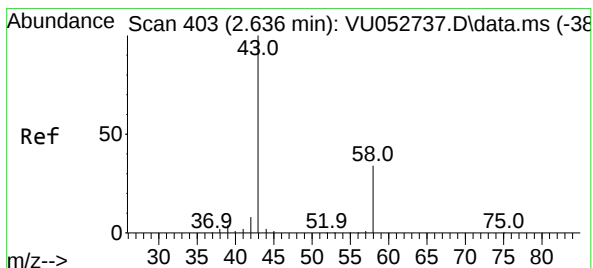
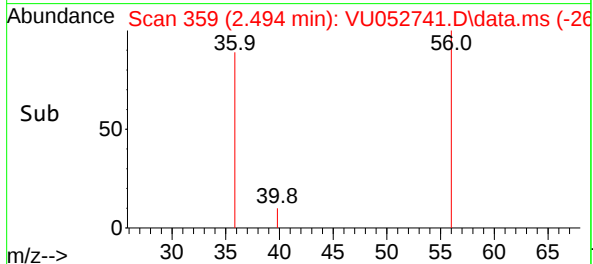
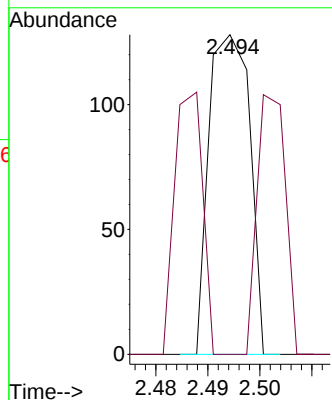
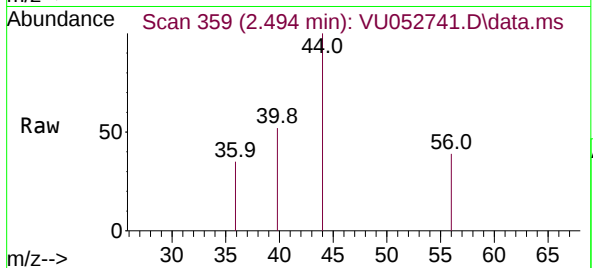




#13
Acrolein
Concen: Below Cal
RT: 2.494 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

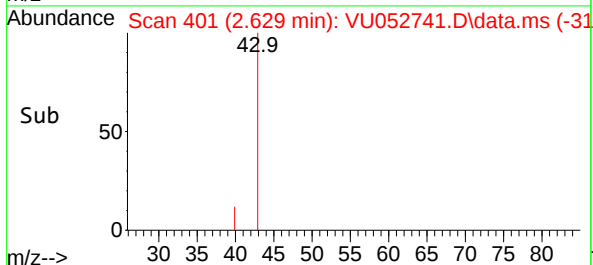
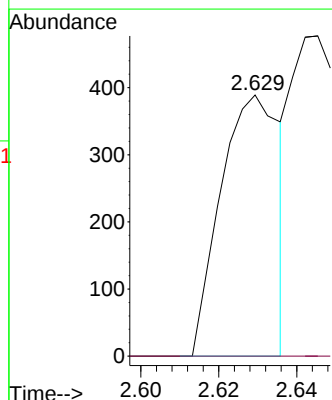
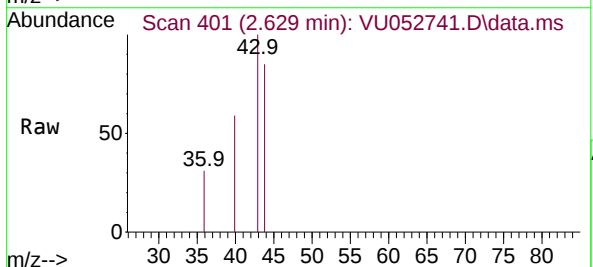
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

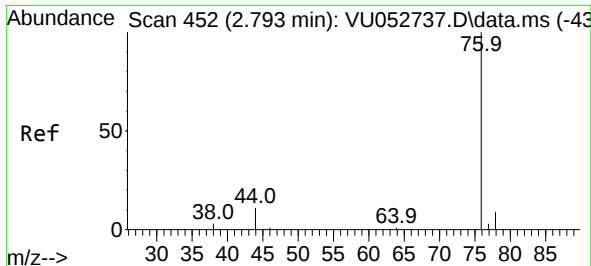
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 57.1 57.2 85.8#



#16
Acetone
Concen: 0.286 ug/l
RT: 2.629 min Scan# 401
Delta R.T. -0.006 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 43 Resp: 408
Ion Ratio Lower Upper
43 100
58 0.0 27.1 40.7#

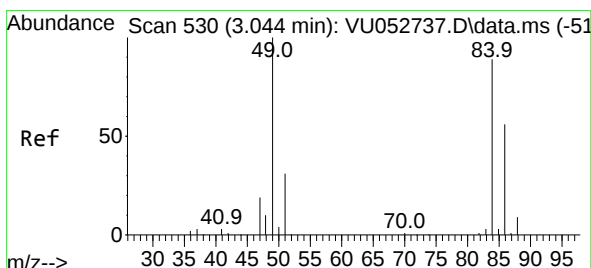
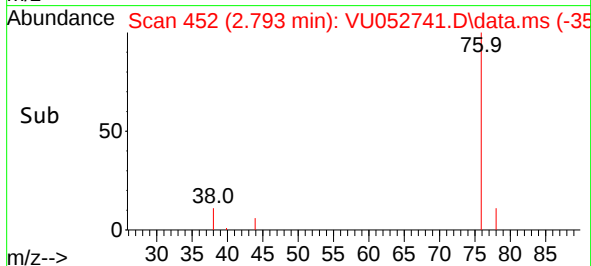
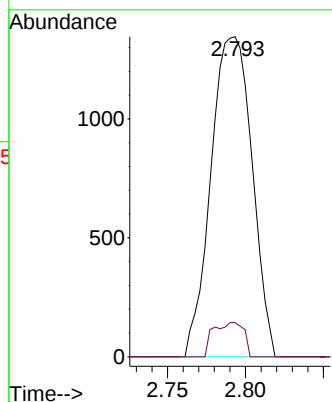
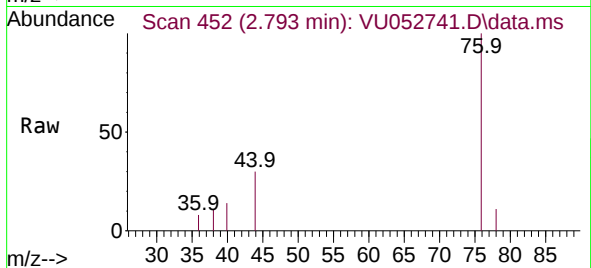




#17
Carbon Disulfide
Concen: 0.373 ug/l
RT: 2.793 min Scan# 41
Delta R.T. 0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

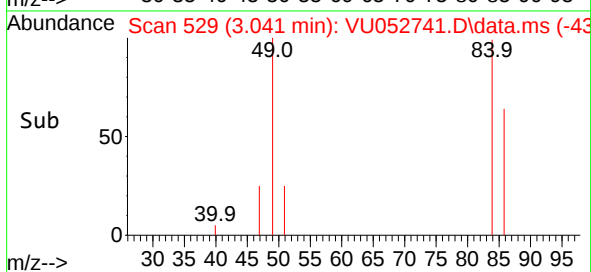
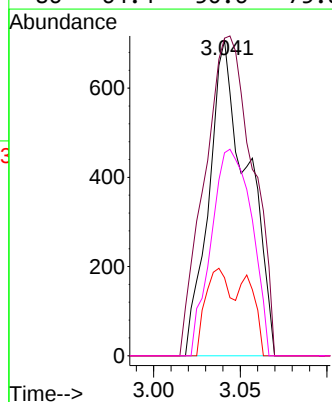
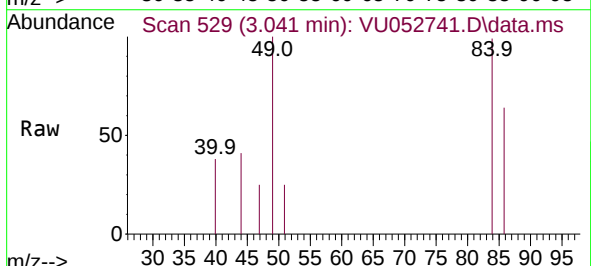
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

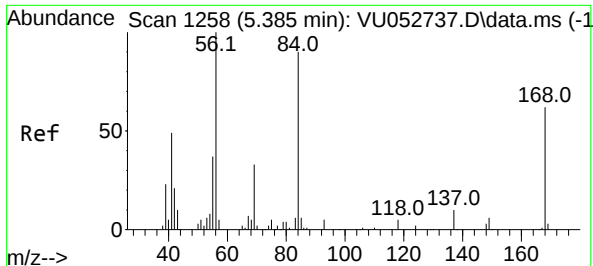
Tgt Ion: 76 Resp: 2468
Ion Ratio Lower Upper
76 100
78 10.7 7.4 11.2



#20
Methylene Chloride
Concen: Below Cal
RT: 3.041 min Scan# 529
Delta R.T. -0.003 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

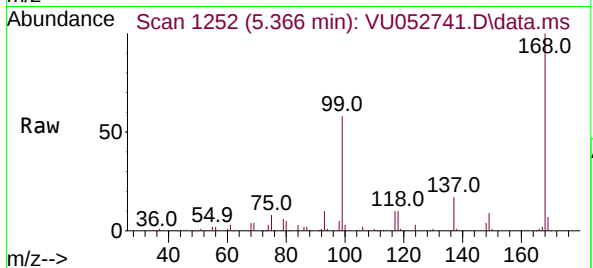
Tgt Ion: 84 Resp: 1100
Ion Ratio Lower Upper
84 100
49 100.7 90.2 135.4
51 24.8 28.1 42.1#
86 64.4 50.6 75.8



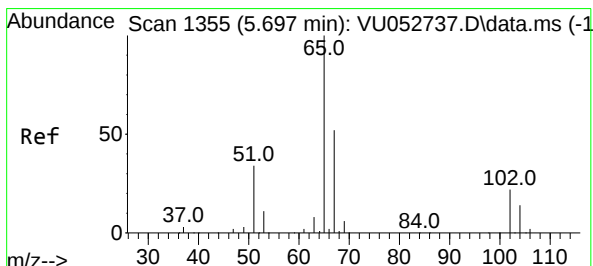
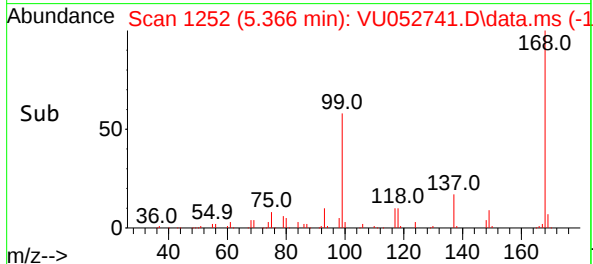
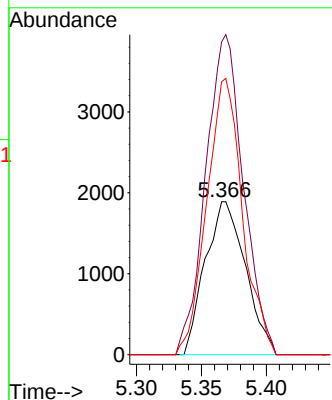


#31
Cyclohexane
Concen: 0.970 ug/l
RT: 5.366 min Scan# 1252
Delta R.T. -0.019 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

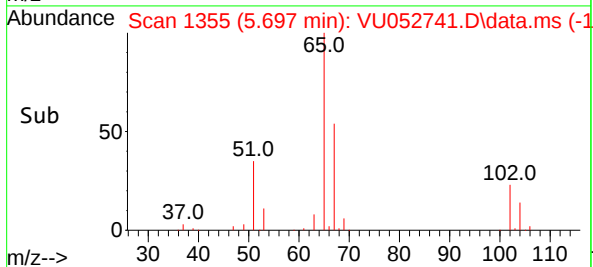
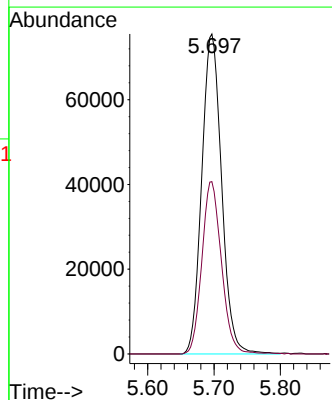
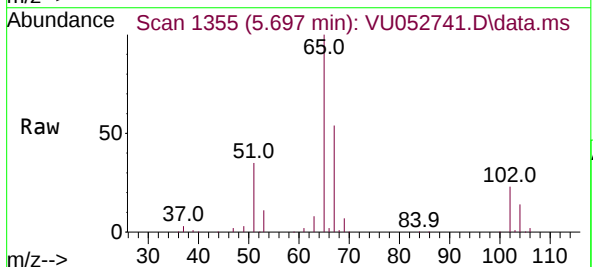


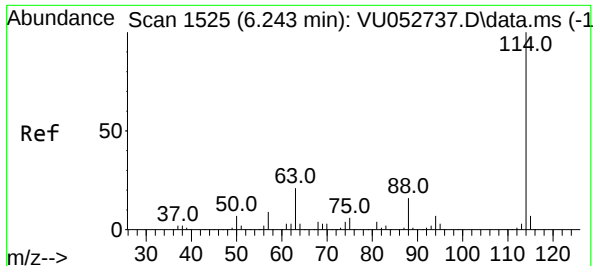
Tgt Ion: 56 Resp: 4069
Ion Ratio Lower Upper
56 100
69 204.6 26.2 39.2#
84 178.5 72.2 108.4#



#33
1,2-Dichloroethane-d4
Concen: 52.485 ug/l
RT: 5.697 min Scan# 1355
Delta R.T. -0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 65 Resp: 157082
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.243 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU052741.D

Acq: 19 Jan 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL04

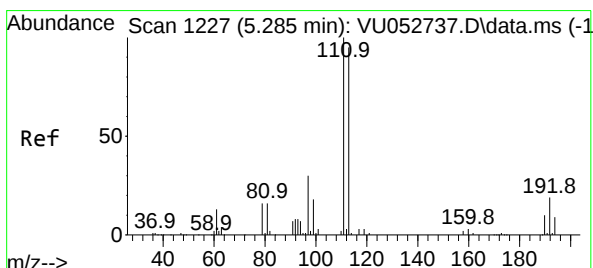
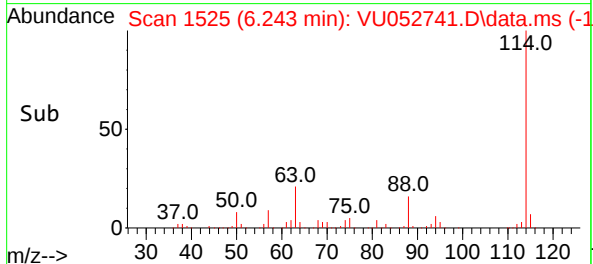
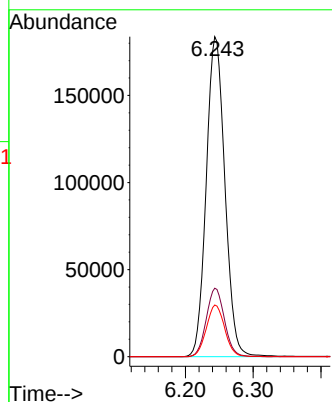
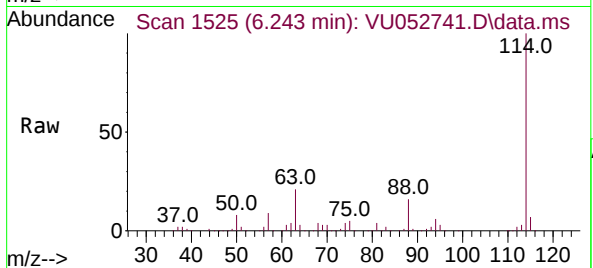
Tgt Ion:114 Resp: 350915

Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.4

88 16.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 49.640 ug/l

RT: 5.282 min Scan# 1226

Delta R.T. -0.003 min

Lab File: VU052741.D

Acq: 19 Jan 2023 16:48

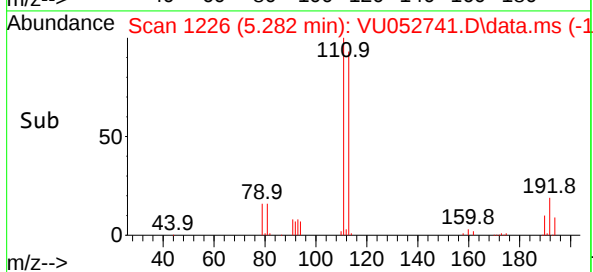
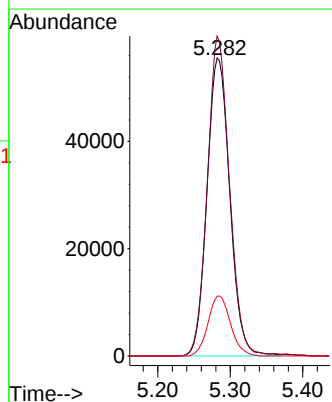
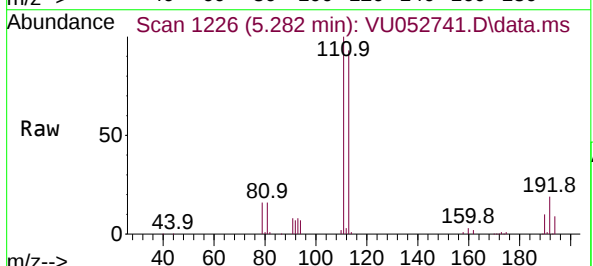
Tgt Ion:113 Resp: 121293

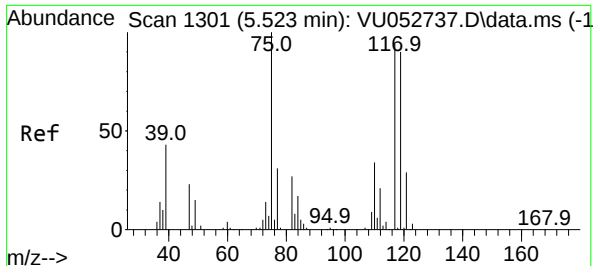
Ion Ratio Lower Upper

113 100

111 104.0 81.2 121.8

192 19.9 15.7 23.5





#36

1,1-Dichloropropene

Concen: 4.770 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.154 min

Lab File: VU052741.D

Acq: 19 Jan 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL04

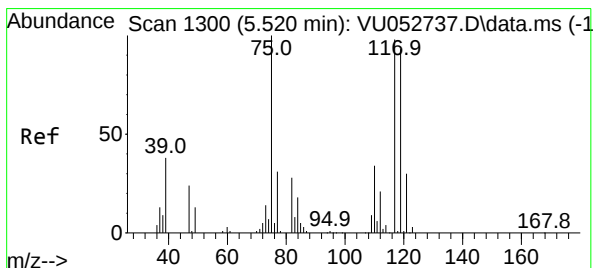
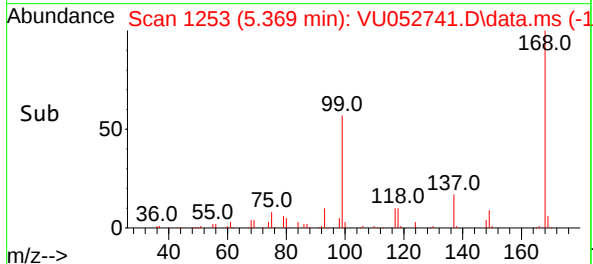
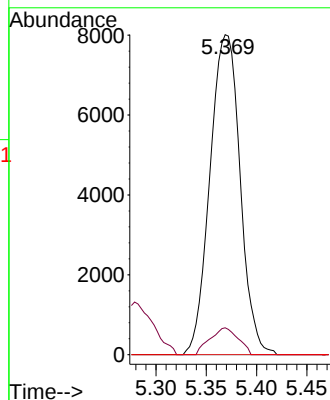
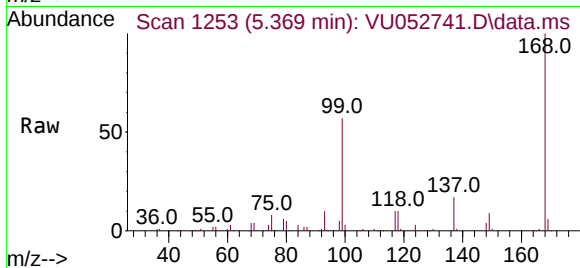
Tgt Ion: 75 Resp: 16723

Ion Ratio Lower Upper

75 100

110 7.8 17.1 51.2#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.653 ug/l

RT: 5.369 min Scan# 1253

Delta R.T. -0.151 min

Lab File: VU052741.D

Acq: 19 Jan 2023 16:48

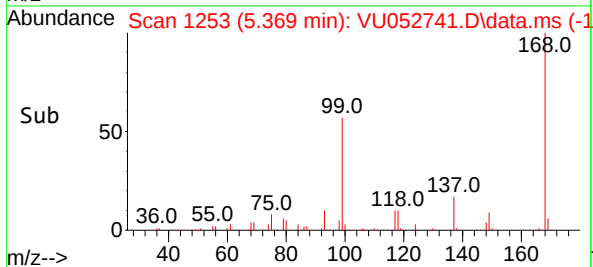
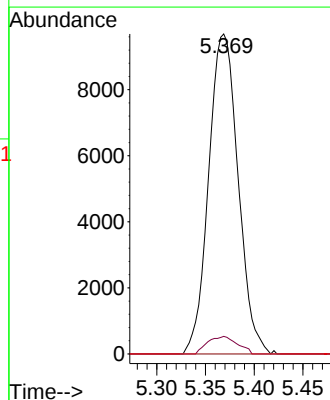
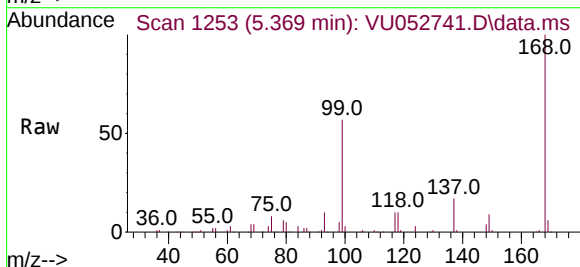
Tgt Ion: 117 Resp: 20389

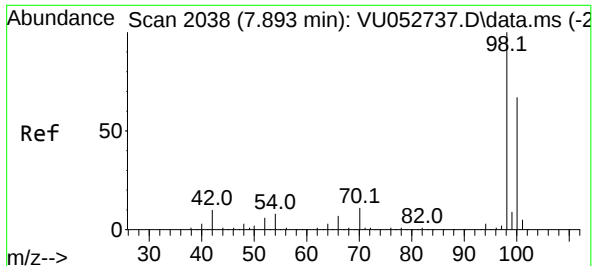
Ion Ratio Lower Upper

117 100

119 5.5 75.6 113.4#

121 0.0 24.2 36.4#

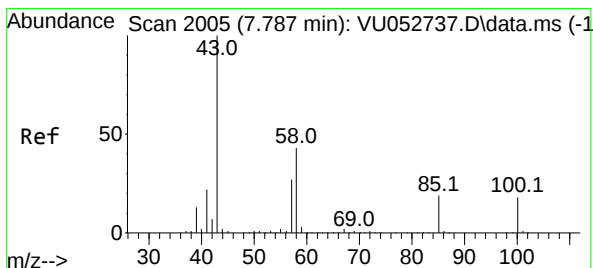
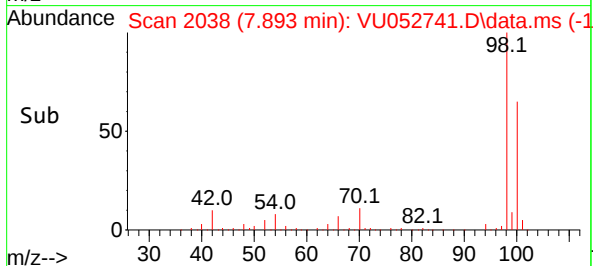
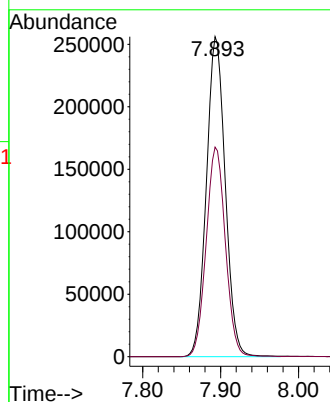
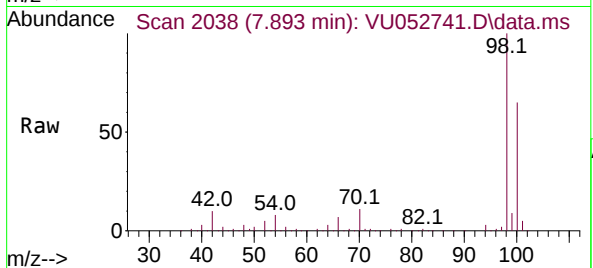




#50
Toluene-d8
Concen: 46.952 ug/l
RT: 7.893 min Scan# 2038
Delta R.T. -0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

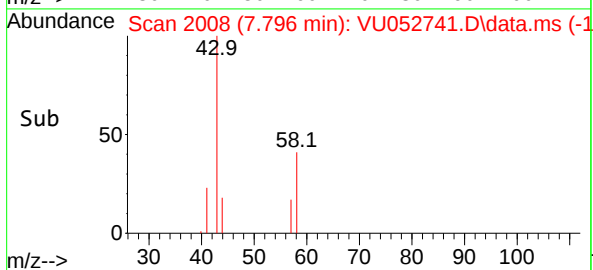
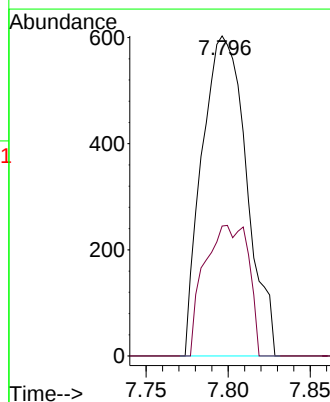
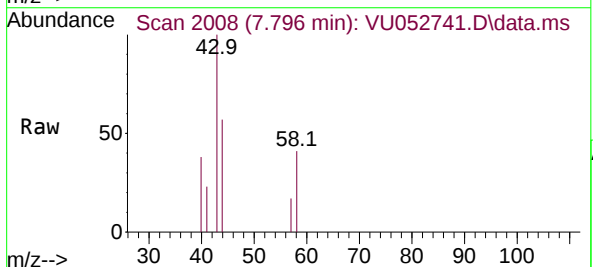
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

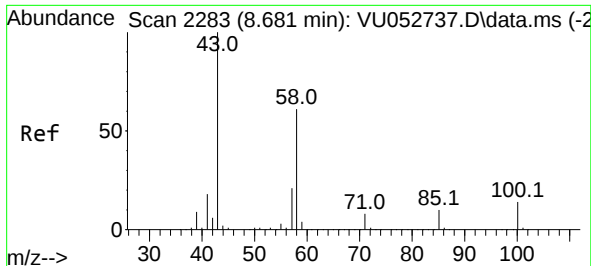
Tgt Ion: 98 Resp: 430244
Ion Ratio Lower Upper
98 100
100 66.7 53.7 80.5



#51
4-Methyl-2-Pentanone
Concen: 0.330 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. 0.010 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 43 Resp: 1136
Ion Ratio Lower Upper
43 100
58 40.2 34.6 52.0

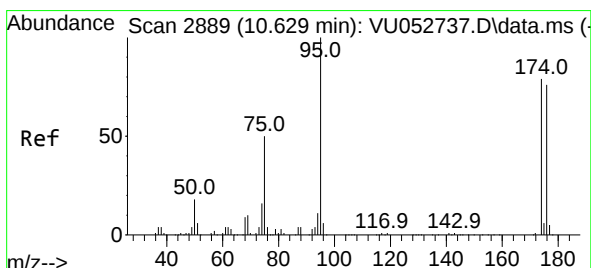
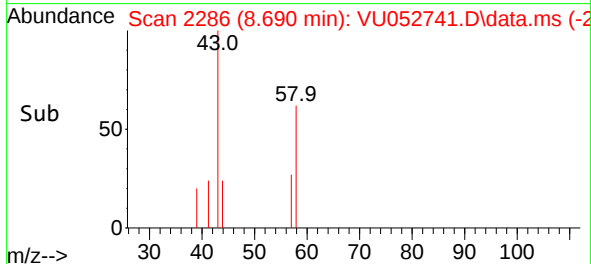
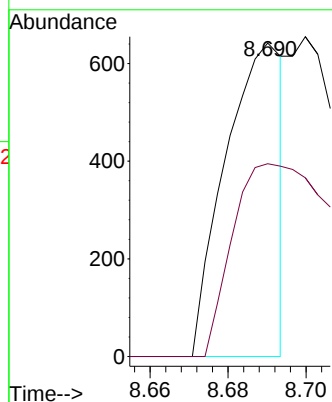
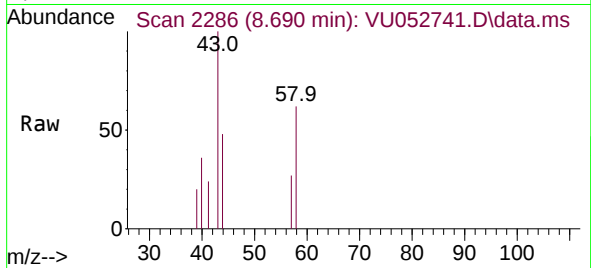




#59
2-Hexanone
Concen: 0.246 ug/l
RT: 8.690 min Scan# 21
Delta R.T. 0.010 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

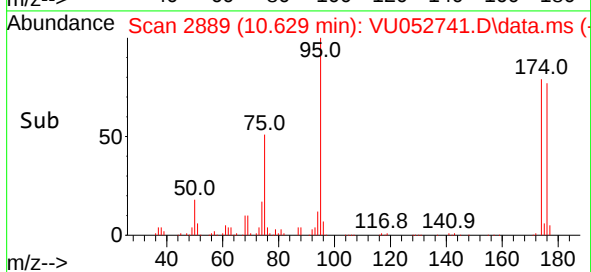
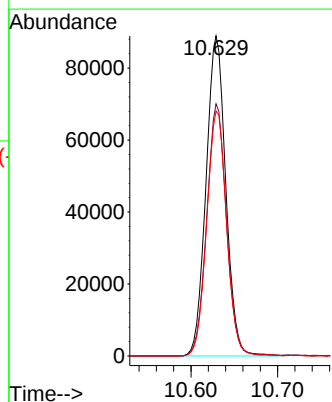
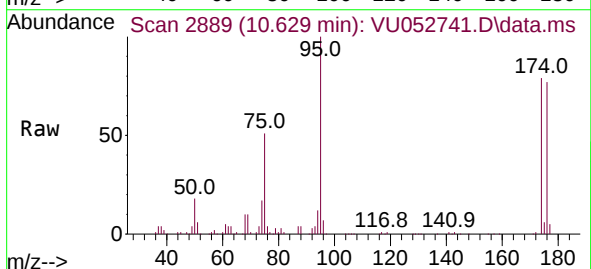
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

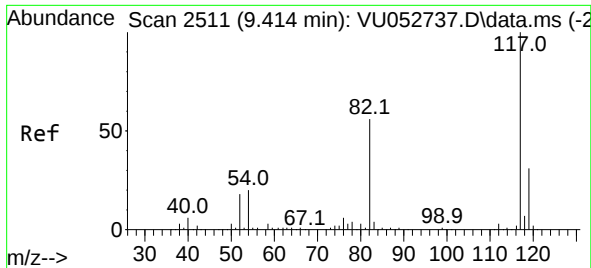
Tgt Ion: 43 Resp: 652
Ion Ratio Lower Upper
43 100
58 123.0 29.8 89.5#



#62
4-Bromofluorobenzene
Concen: 41.998 ug/l
RT: 10.629 min Scan# 2889
Delta R.T. 0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 95 Resp: 140582
Ion Ratio Lower Upper
95 100
174 78.9 0.0 158.6
176 76.9 0.0 150.6

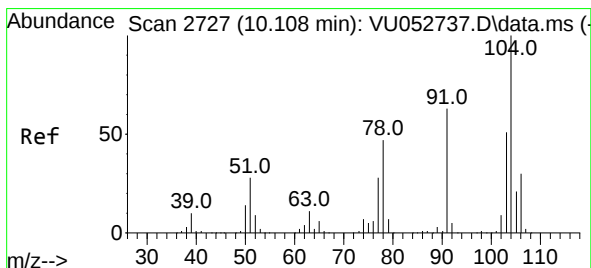
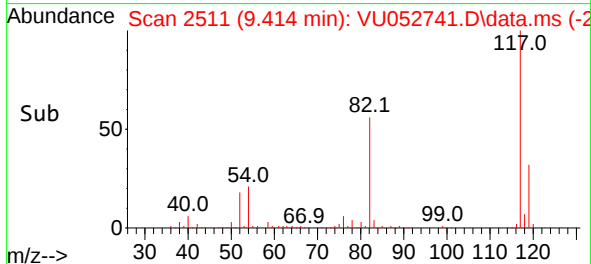
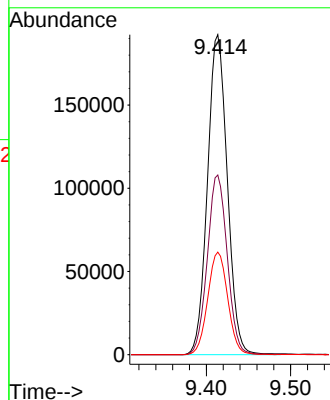
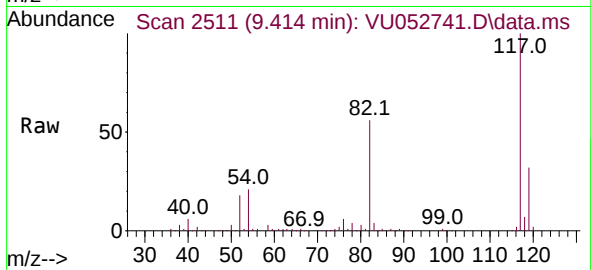




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.414 min Scan# 2511
Delta R.T. -0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

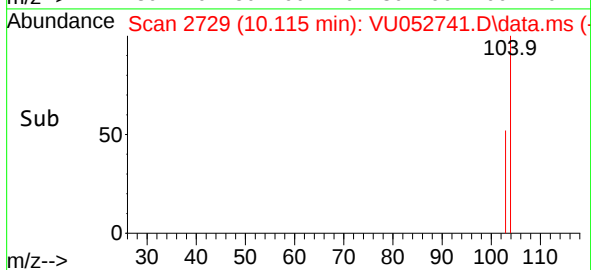
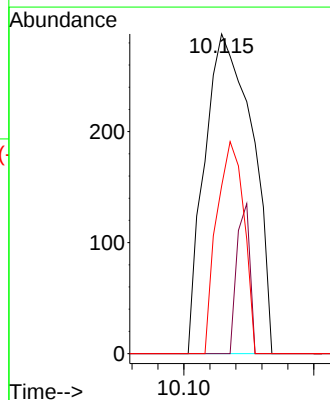
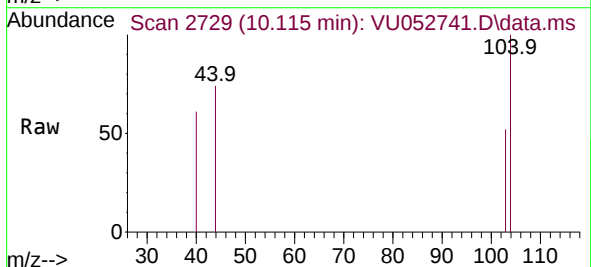
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

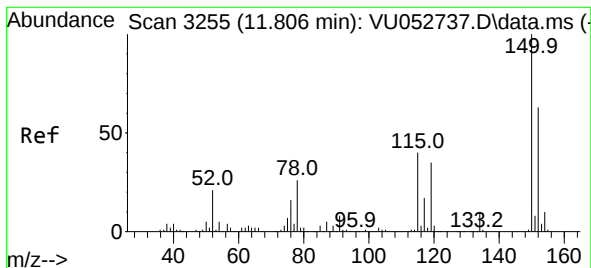
Tgt Ion:117 Resp: 314944
Ion Ratio Lower Upper
117 100
82 56.2 44.7 67.1
119 32.0 25.0 37.6



#70
Styrene
Concen: 1.384 ug/l
RT: 10.115 min Scan# 2729
Delta R.T. 0.007 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion:104 Resp: 366
Ion Ratio Lower Upper
104 100
78 12.8 39.9 59.9#
103 38.0 43.4 65.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.809 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU052741.D

Acq: 19 Jan 2023 16:48

Instrument :

MSVOA_U

ClientSampleId :

VU0119WBL04

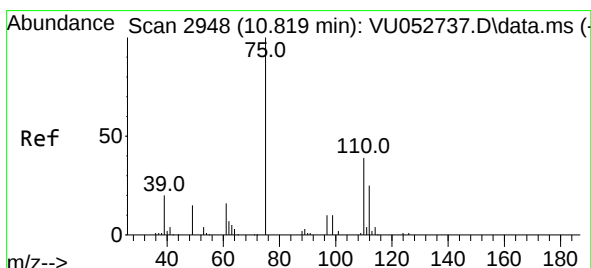
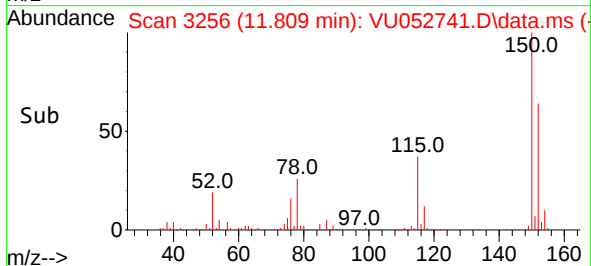
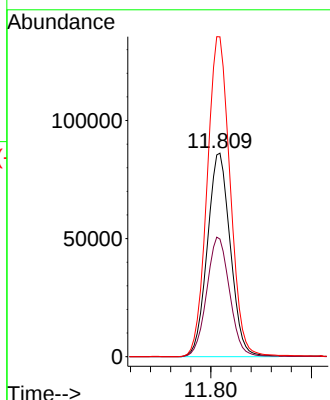
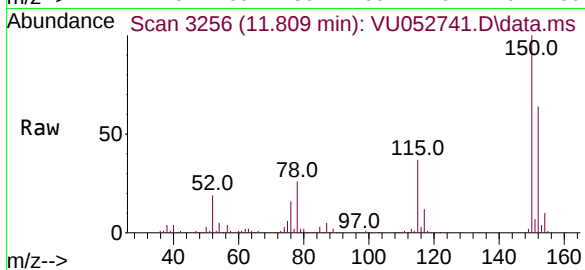
Tgt Ion:152 Resp: 136775

Ion Ratio Lower Upper

152 100

115 58.7 41.7 125.1

150 158.0 0.0 349.2



#76

1,2,3-Trichloropropane

Concen: 18.954 ug/l

RT: 10.629 min Scan# 2889

Delta R.T. -0.190 min

Lab File: VU052741.D

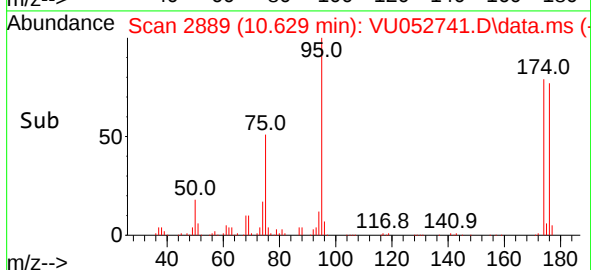
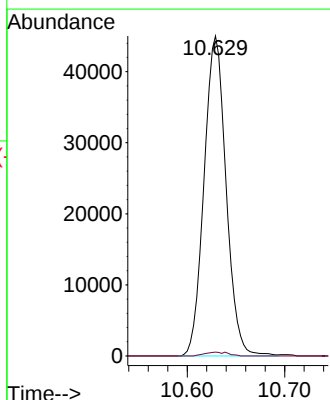
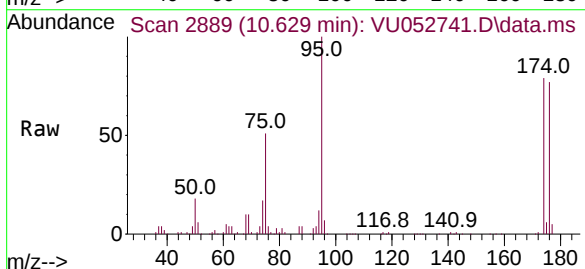
Acq: 19 Jan 2023 16:48

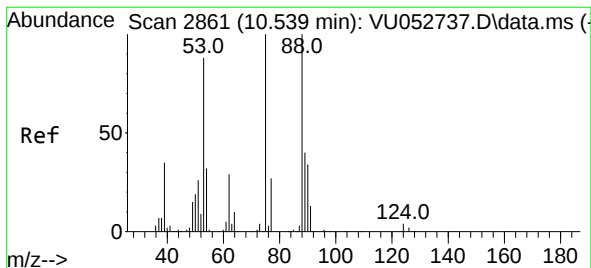
Tgt Ion: 75 Resp: 70748

Ion Ratio Lower Upper

75 100

77 1.3 15.0 45.1#

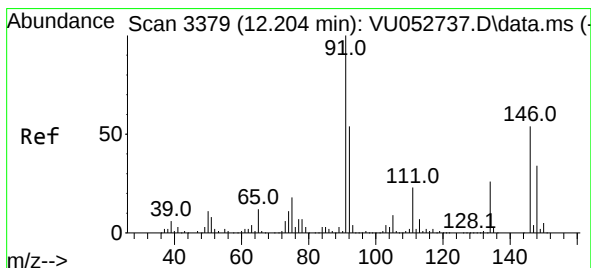
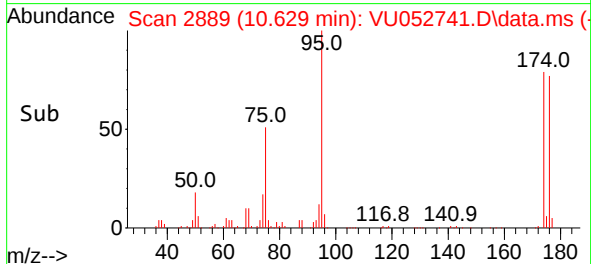
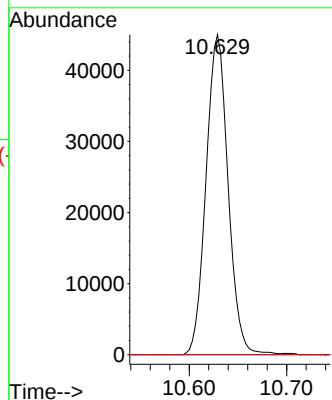
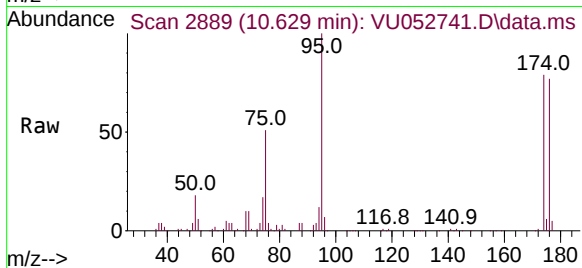




#81
trans-1,4-Dichloro-2-butene
Concen: 73.655 ug/l
RT: 10.629 min Scan# 21
Delta R.T. 0.090 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

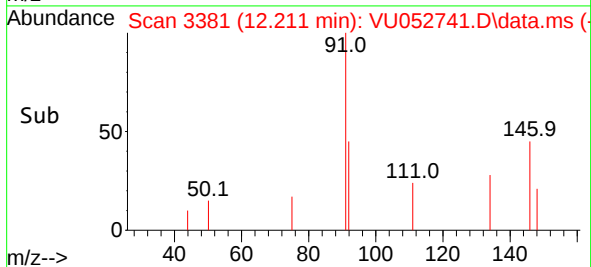
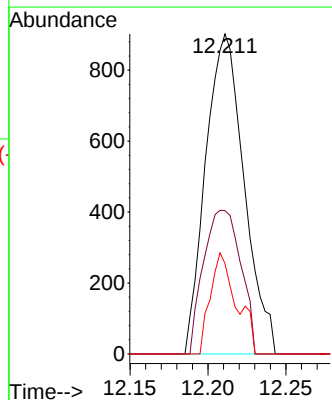
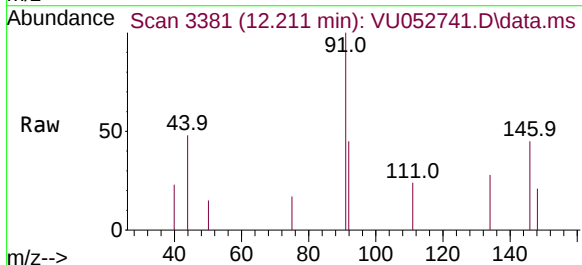
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

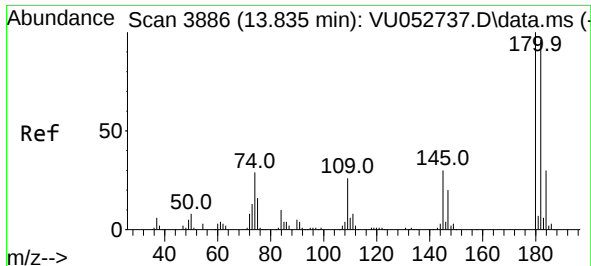
Tgt Ion: 75 Resp: 70748
Ion Ratio Lower Upper
75 100
53 0.0 72.4 108.6#
89 0.0 35.0 52.4#



#89
n-Butylbenzene
Concen: 2.632 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.007 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion: 91 Resp: 1545
Ion Ratio Lower Upper
91 100
92 43.6 26.8 80.3
134 21.6 13.1 39.3

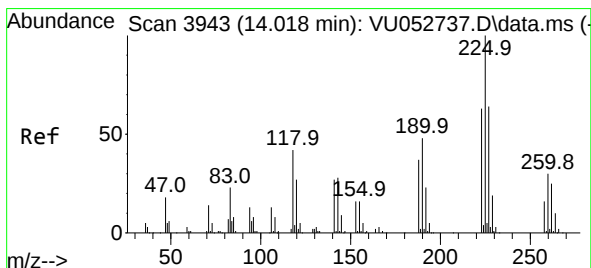
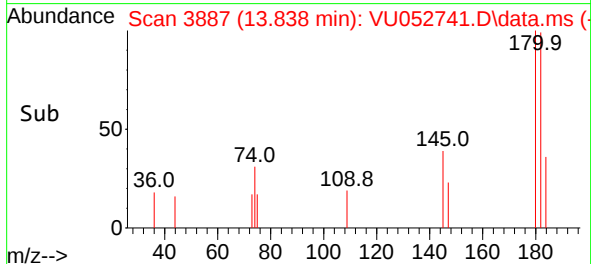
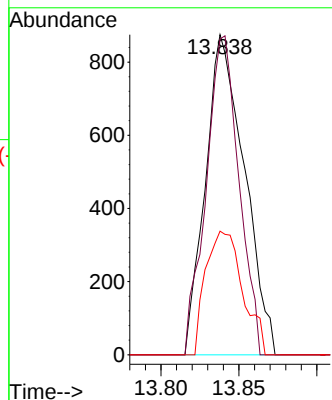
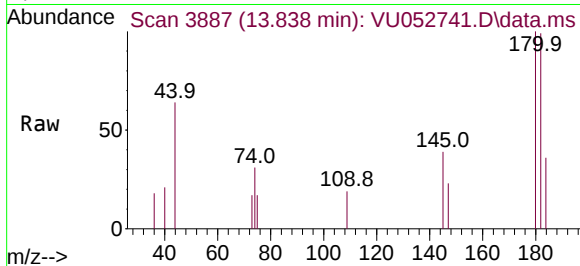




#93
1,2,4-Trichlorobenzene
Concen: 0.580 ug/l
RT: 13.838 min Scan# 3887
Delta R.T. 0.003 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

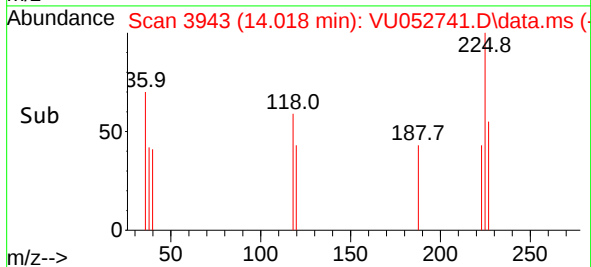
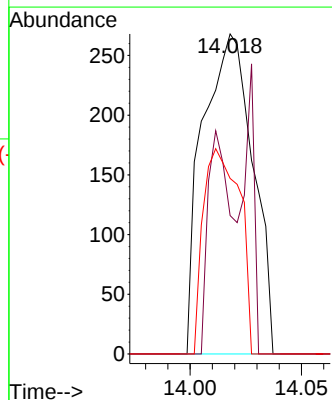
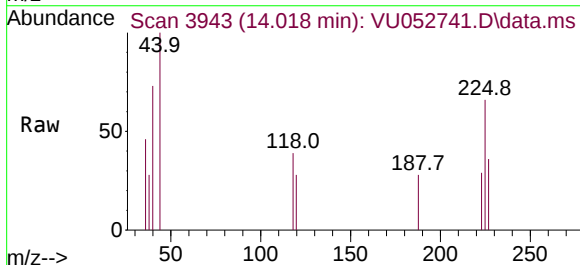
Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

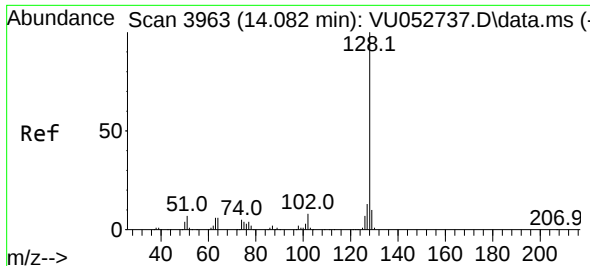
Tgt Ion:	180	Resp:	1517
Ion	Ratio	Lower	Upper
180	100		
182	84.1	47.4	142.3
145	36.7	14.9	44.5



#94
Hexachlorobutadiene
Concen: 0.290 ug/l
RT: 14.018 min Scan# 3943
Delta R.T. 0.000 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion:	225	Resp:	420
Ion	Ratio	Lower	Upper
225	100		
223	32.9	31.8	95.3
227	46.4	31.8	95.4

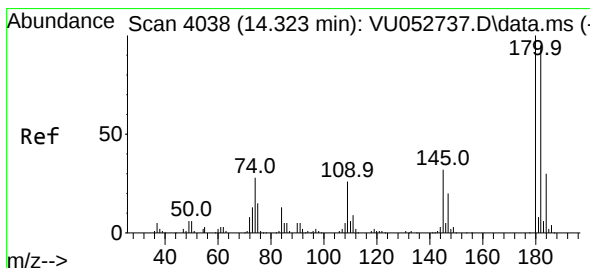
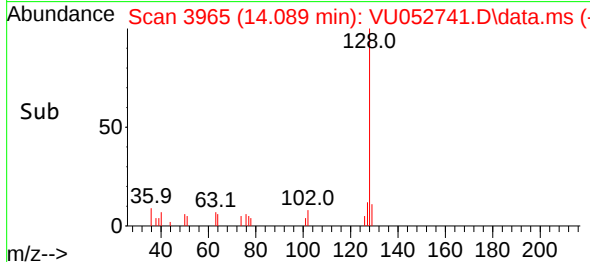
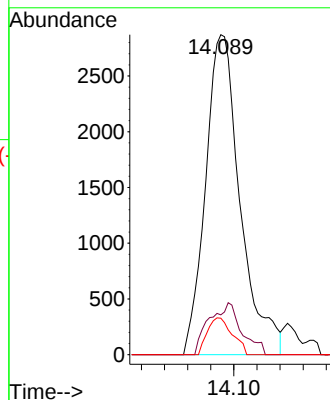
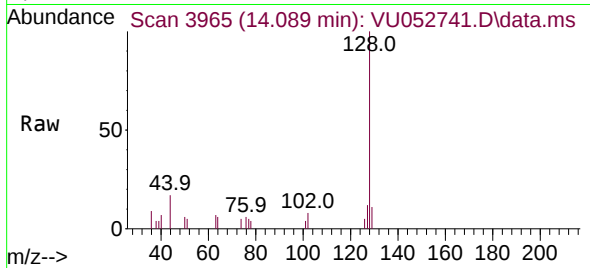




#95
Naphthalene
Concen: 3.153 ug/l
RT: 14.089 min Scan# 3963
Delta R.T. 0.007 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Instrument :
MSVOA_U
ClientSampleId :
VU0119WBL04

Tgt Ion:128 Resp: 5968
Ion Ratio Lower Upper
128 100
127 15.2 10.3 15.5
129 8.3 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.695 ug/l
RT: 14.327 min Scan# 4039
Delta R.T. 0.003 min
Lab File: VU052741.D
Acq: 19 Jan 2023 16:48

Tgt Ion:180 Resp: 1804
Ion Ratio Lower Upper
180 100
182 82.5 48.1 144.3
145 26.6 15.8 47.4

