

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060222\
 Data File : VU048822.D
 Acq On : 02 Jun 2022 23:19
 Operator : SY/MD
 Sample : VU0602WBL02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0602WBL02

Quant Time: Jun 03 01:22:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

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

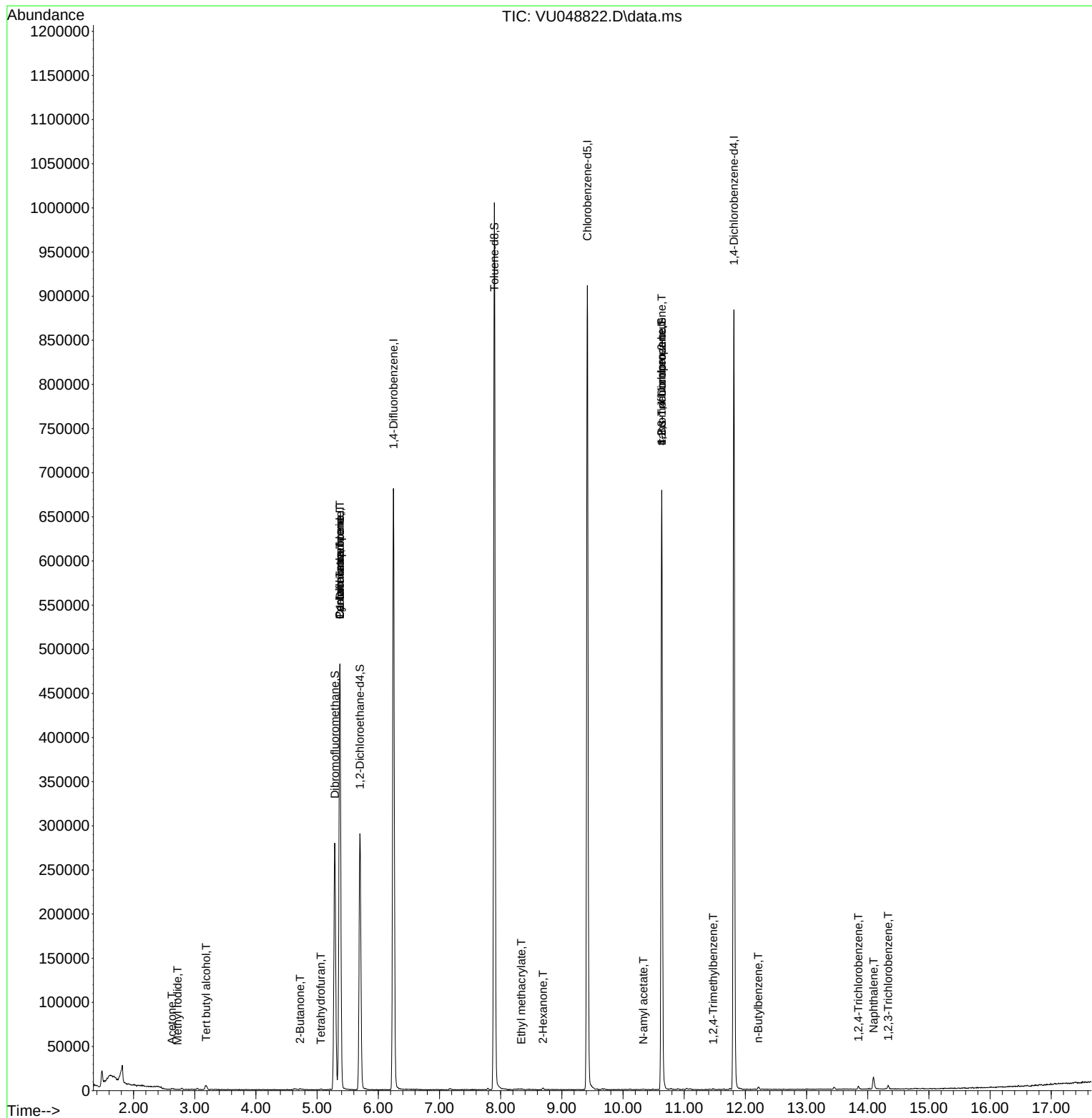
Internal Standards						
1) Pentafluorobenzene	5.372	168	331362	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	549059	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	499612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	232829	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	222223	44.655	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	89.320%		
35) Dibromofluoromethane	5.289	113	177985	45.438	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.880%		
50) Toluene-d8	7.896	98	663299	47.239	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	94.480%		
62) 4-Bromofluorobenzene	10.632	95	233661	44.001	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.000%		
Target Compounds						
					Qvalue	
5) Bromomethane	1.835	94	573	Below Cal	#	66
6) Chloroethane	1.957	64	897	Below Cal	#	43
10) Methyl Iodide	2.716	142	232	3.046	ug/l #	37
11) Tert butyl alcohol	3.186	59	3376	2.676	ug/l #	28
13) Acrolein	2.488	56	192	Below Cal	#	80
16) Acetone	2.623	43	1201	0.474	ug/l #	80
25) 2-Butanone	4.719	43	1840	0.505	ug/l	97
29) Tetrahydrofuran	5.060	42	590	0.257	ug/l #	52
31) Cyclohexane	5.372	56	6955	1.109	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	26696	4.670	ug/l #	49
38) Carbon Tetrachloride	5.372	117	35018	5.339	ug/l #	18
56) Ethyl methacrylate	8.337	69	65	2.622	ug/l #	26
59) 2-Hexanone	8.694	43	1423	0.254	ug/l	89
74) N-amyl acetate	10.330	43	583	2.540	ug/l #	54
76) 1,2,3-Trichloropropane	10.632	75	117015	15.588	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	117015	56.596	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	852	1.246	ug/l	97
89) n-Butylbenzene	12.211	91	1229	2.272	ug/l	94
93) 1,2,4-Trichlorobenzene	13.844	180	1328	0.253	ug/l	92
95) Naphthalene	14.095	128	14222	3.269	ug/l	98
96) 1,2,3-Trichlorobenzene	14.336	180	1703	0.328	ug/l	94

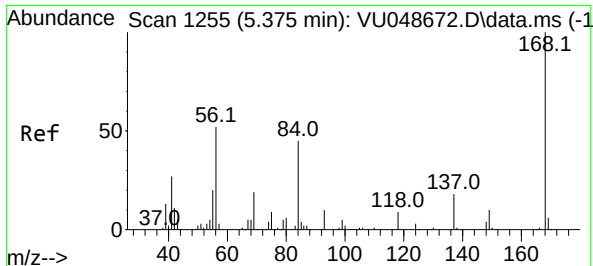
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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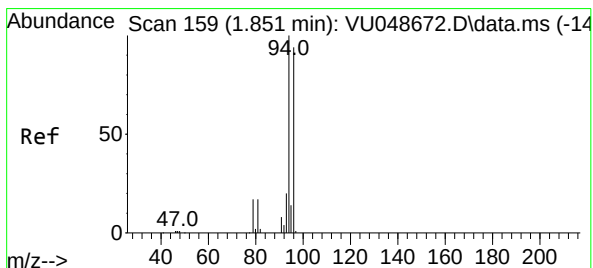
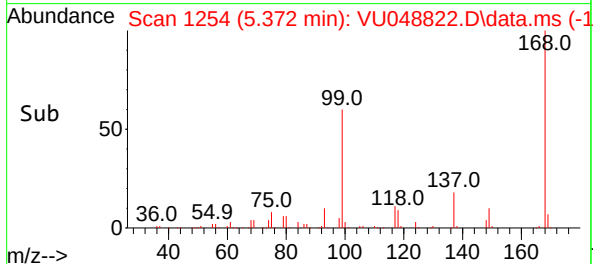
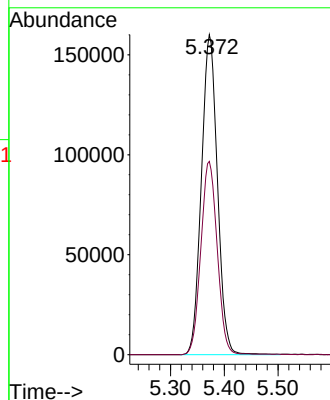
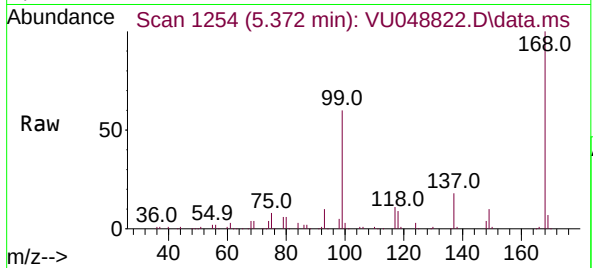




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

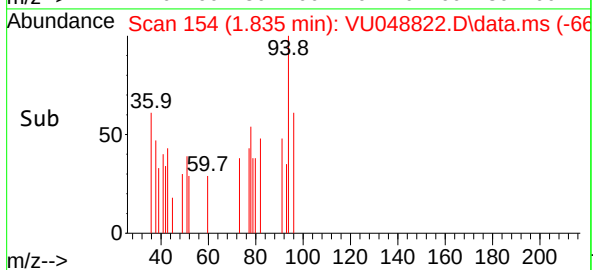
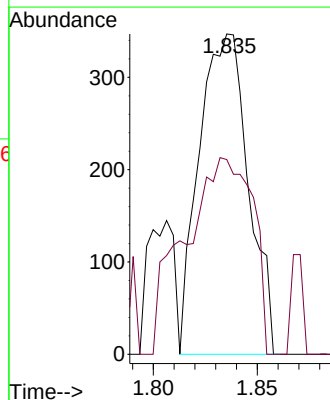
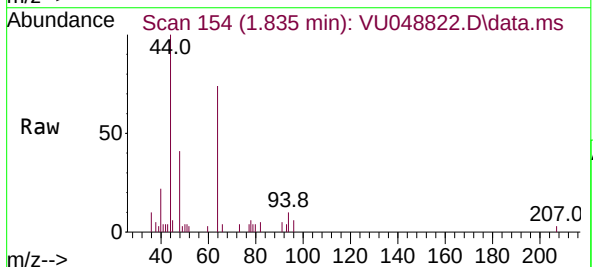
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

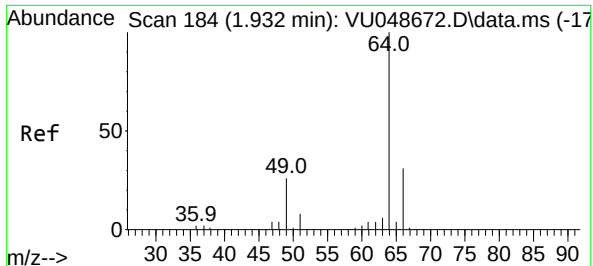
Tgt Ion:168 Resp: 331362
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 154
Delta R.T. -0.016 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 94 Resp: 573
Ion Ratio Lower Upper
94 100
96 60.8 75.1 112.7#

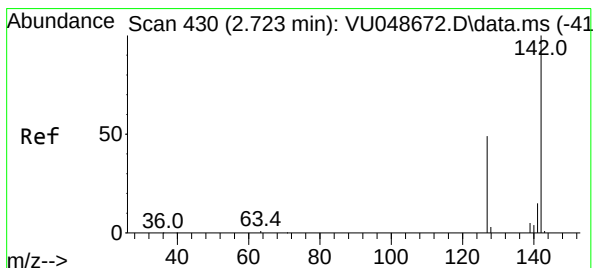
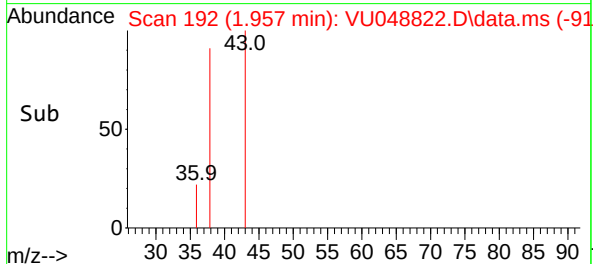
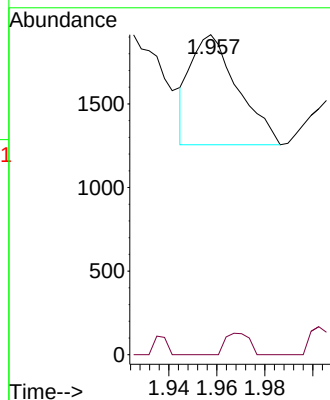
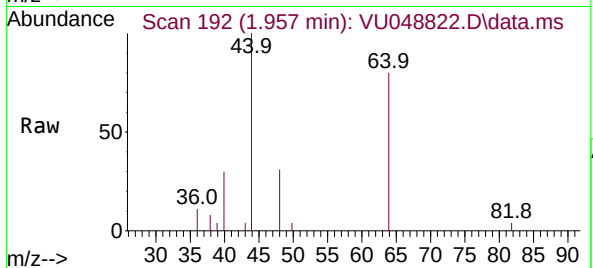




#6
Chloroethane
Concen: Below Cal
RT: 1.957 min Scan# 192
Delta R.T. 0.025 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

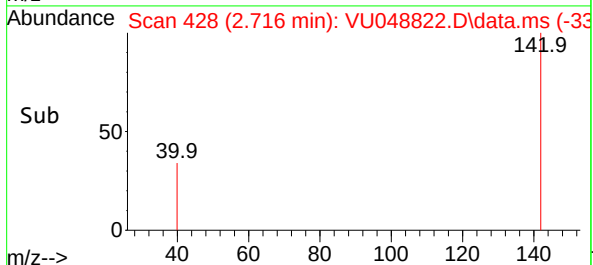
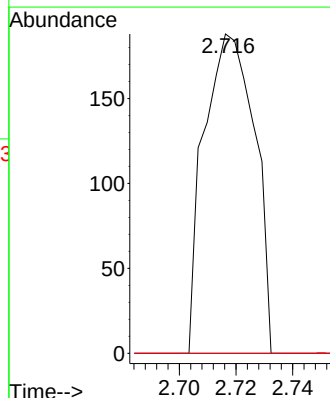
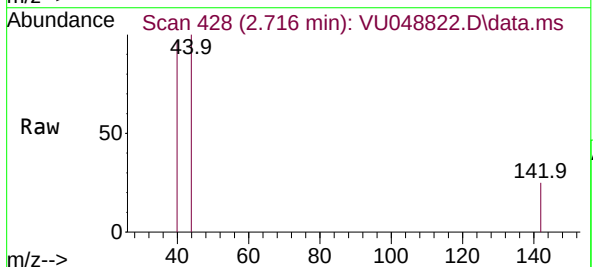
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

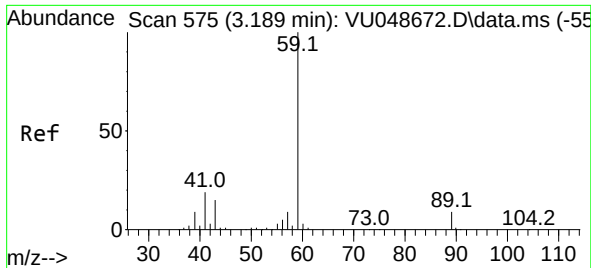
Tgt Ion: 64 Resp: 897
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.046 ug/l
RT: 2.716 min Scan# 428
Delta R.T. -0.007 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

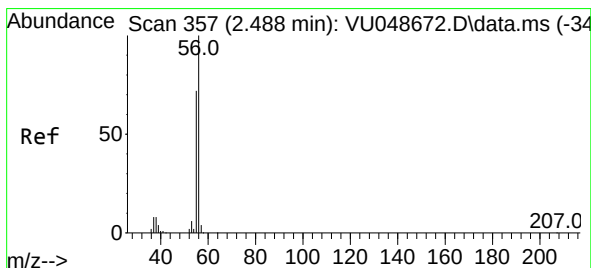
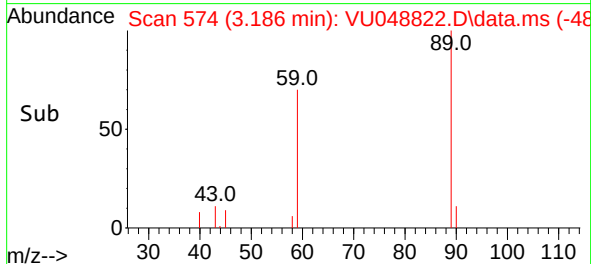
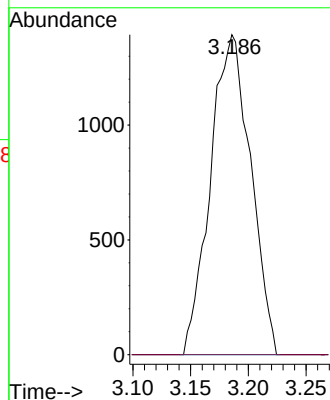
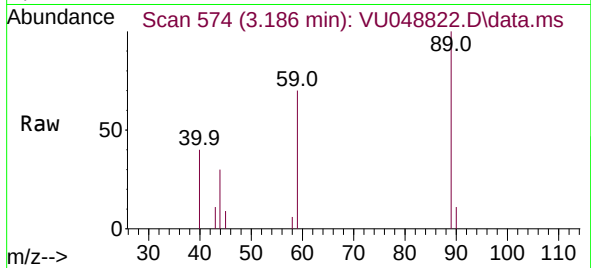




#11
Tert butyl alcohol
Concen: 2.676 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

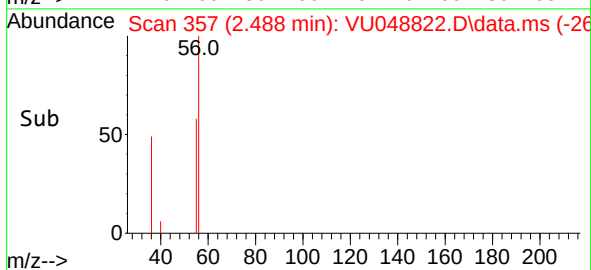
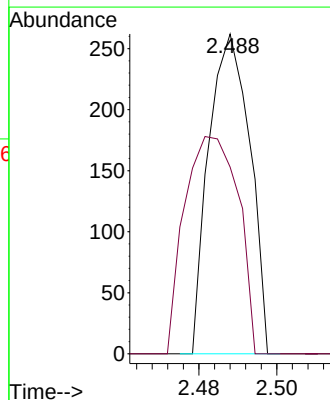
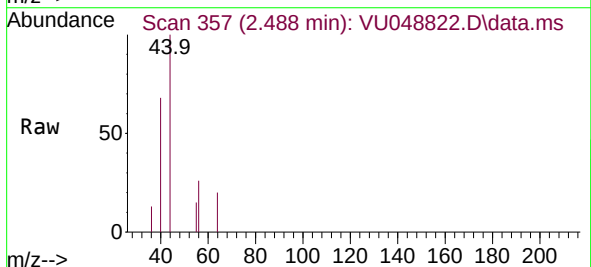
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

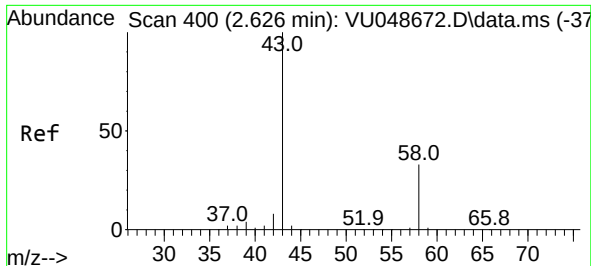
Tgt Ion: 59 Resp: 3376
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.488 min Scan# 357
Delta R.T. -0.000 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 56 Resp: 192
Ion Ratio Lower Upper
56 100
55 88.5 57.7 86.5#

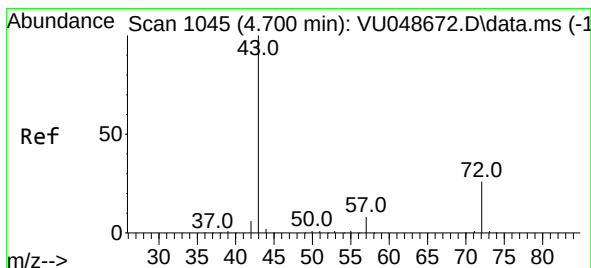
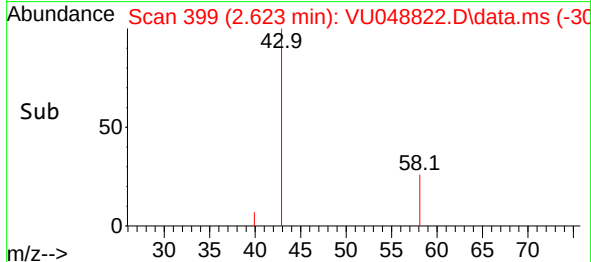
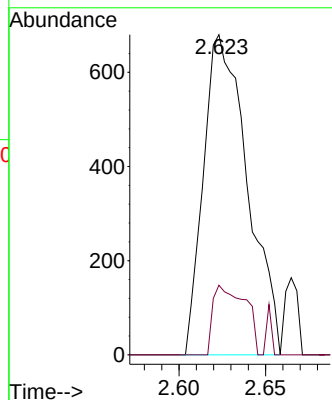
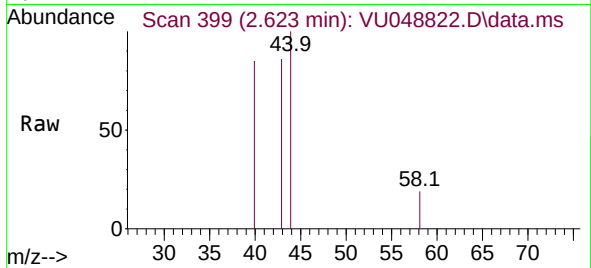




#16
Acetone
Concen: 0.474 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

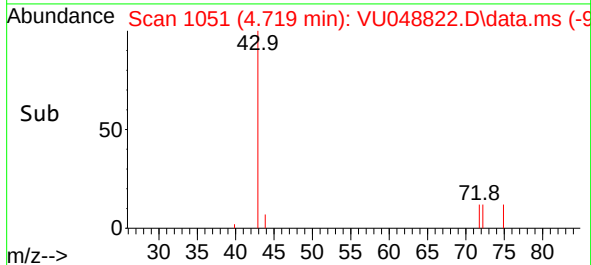
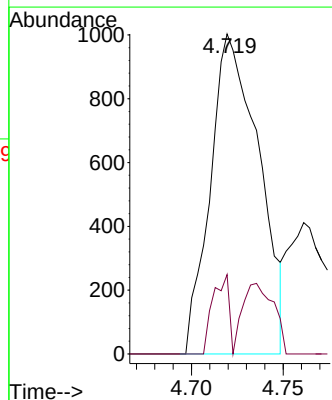
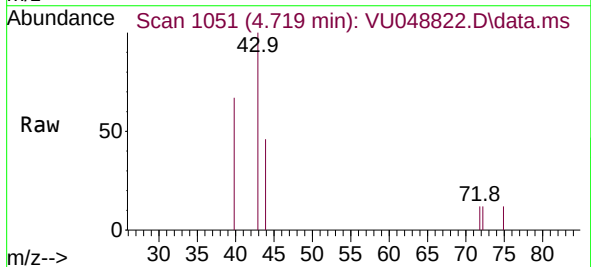
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

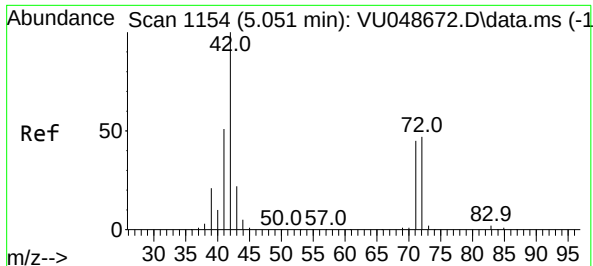
Tgt Ion: 43 Resp: 1201
Ion Ratio Lower Upper
43 100
58 21.8 26.3 39.5#



#25
2-Butanone
Concen: 0.505 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 43 Resp: 1840
Ion Ratio Lower Upper
43 100
72 24.8 21.1 31.7





#29

Tetrahydrofuran

Concen: 0.257 ug/l

RT: 5.060 min Scan# 1154

Delta R.T. 0.010 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

Instrument :

MSVOA_U

ClientSampleId :

VU0602WBL02

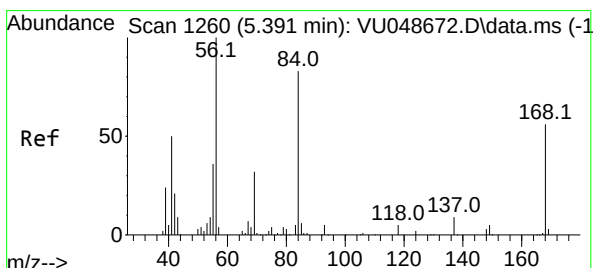
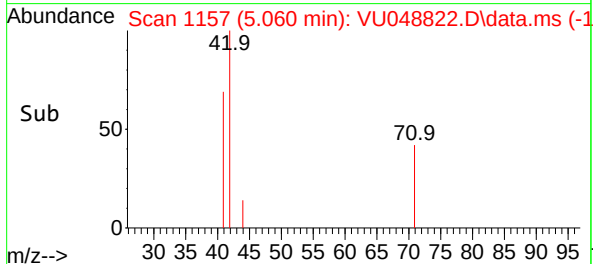
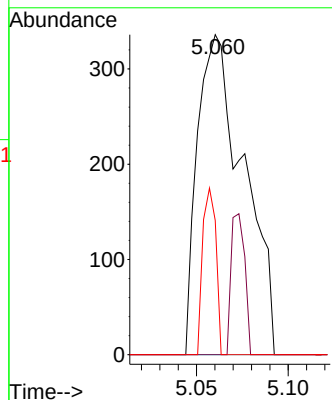
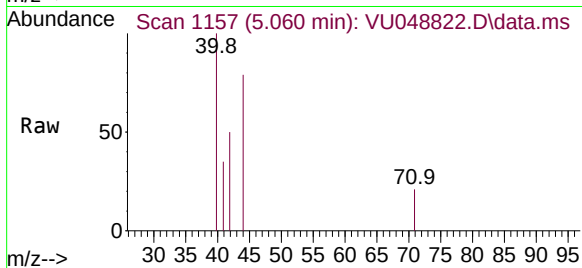
Tgt Ion: 42 Resp: 590

Ion Ratio Lower Upper

42 100

72 12.9 37.6 56.4#

71 14.9 35.0 52.4#



#31

Cyclohexane

Concen: 1.109 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

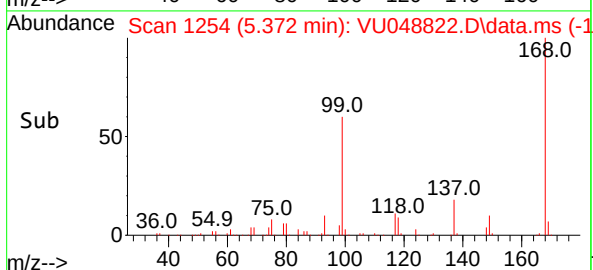
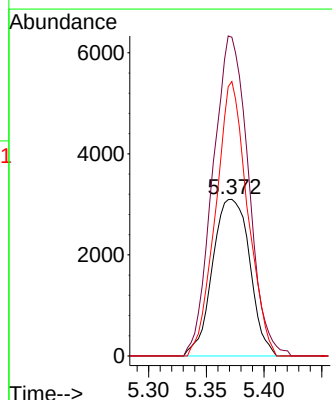
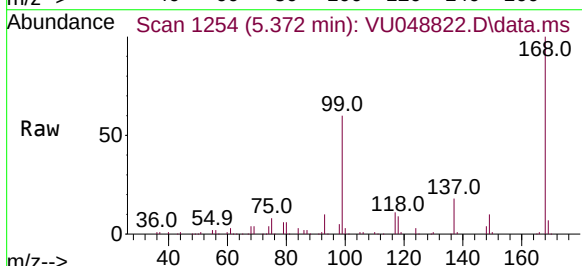
Tgt Ion: 56 Resp: 6955

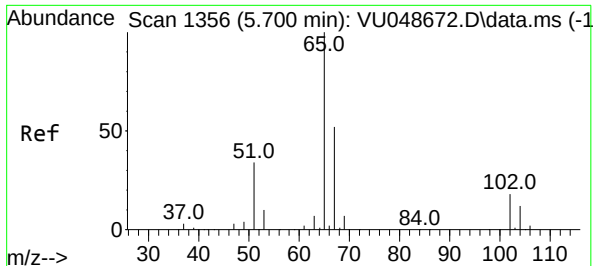
Ion Ratio Lower Upper

56 100

69 203.4 25.6 38.4#

84 175.2 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 44.655 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

Instrument :

MSVOA_U

ClientSampleId :

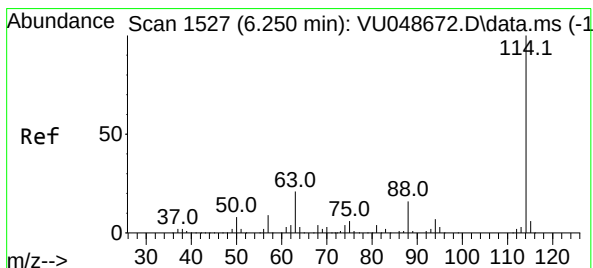
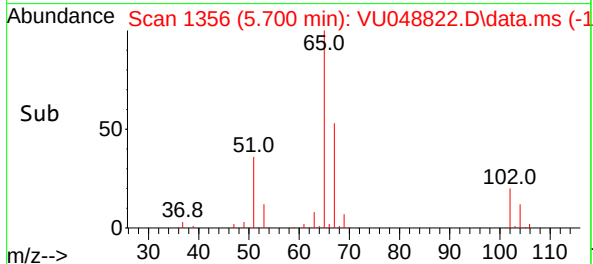
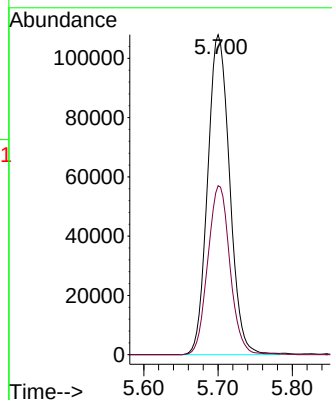
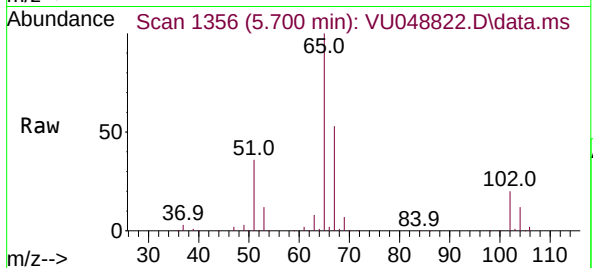
VU0602WBL02

Tgt Ion: 65 Resp: 222223

Ion Ratio Lower Upper

65 100

67 53.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

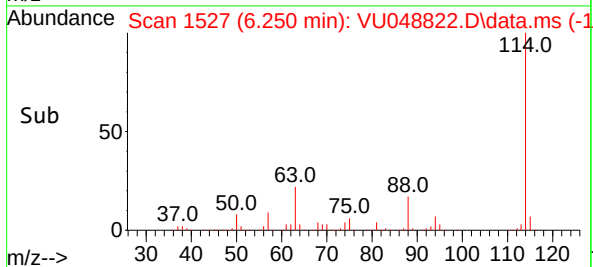
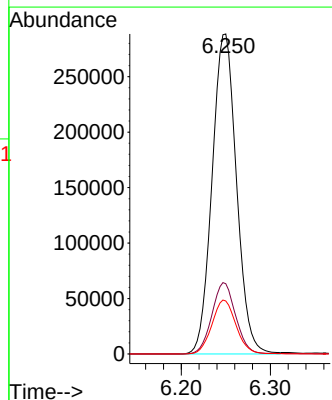
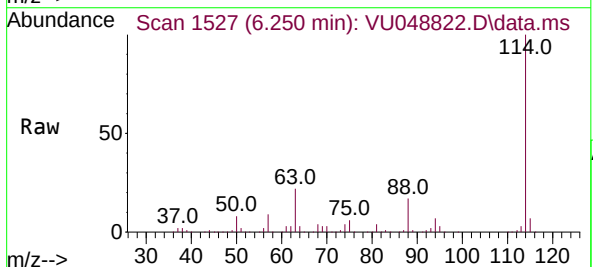
Tgt Ion: 114 Resp: 549059

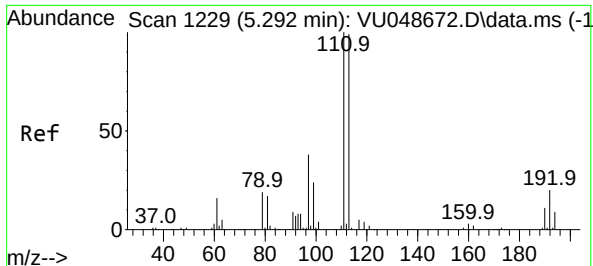
Ion Ratio Lower Upper

114 100

63 22.0 0.0 42.6

88 16.6 0.0 32.2

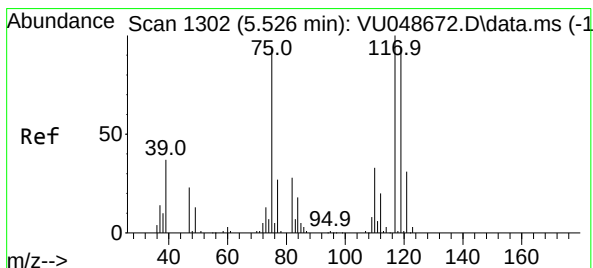
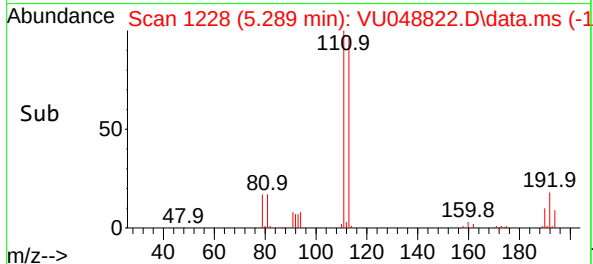
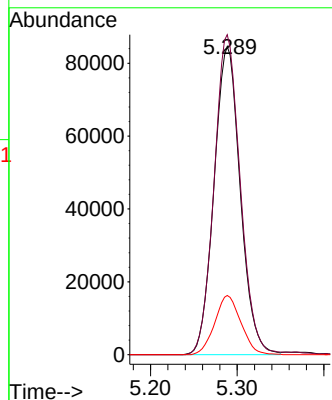
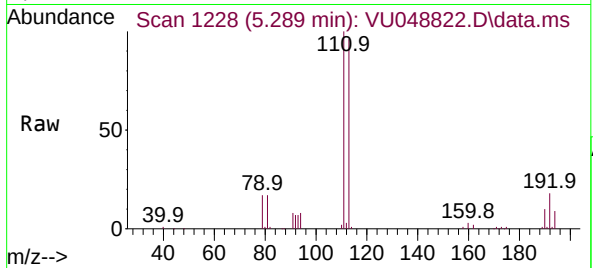




#35
Dibromofluoromethane
Concen: 45.438 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

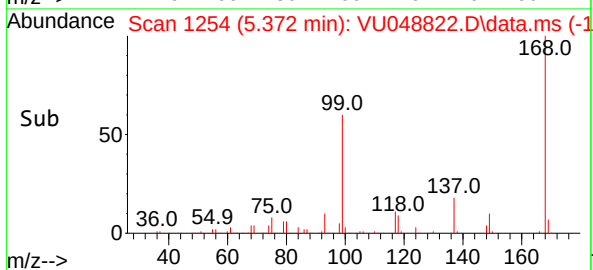
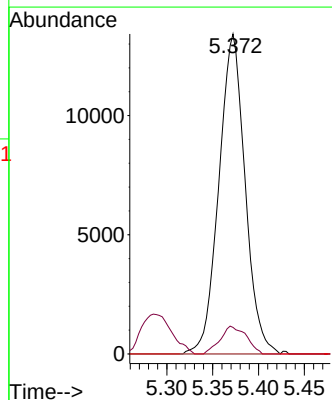
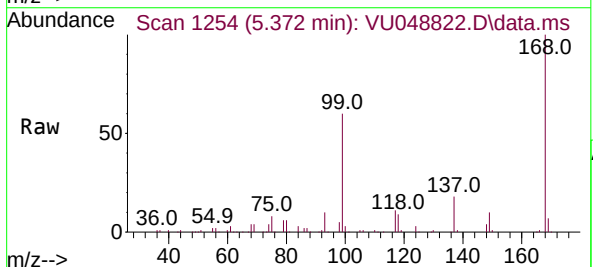
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

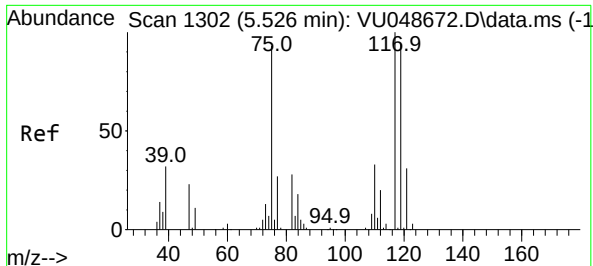
Tgt Ion:113 Resp: 177985
Ion Ratio Lower Upper
113 100
111 103.5 80.7 121.1
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.670 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

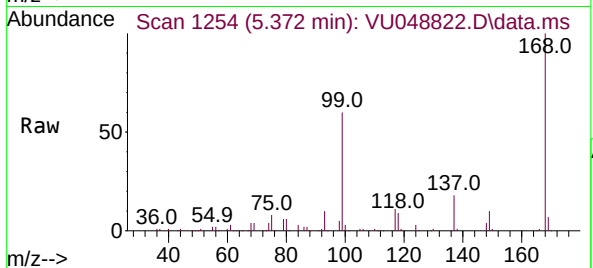
Tgt Ion: 75 Resp: 26696
Ion Ratio Lower Upper
75 100
110 8.6 17.4 52.3#
77 0.0 24.8 37.2#



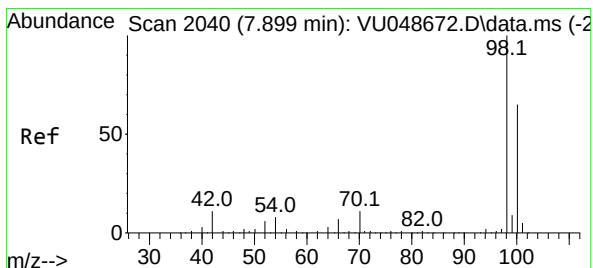
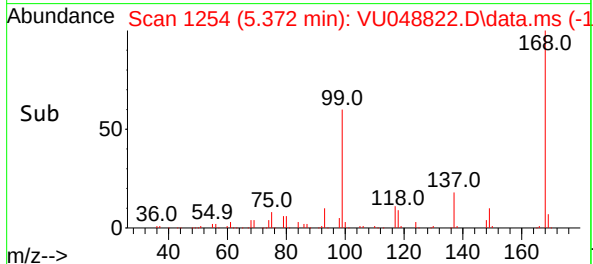
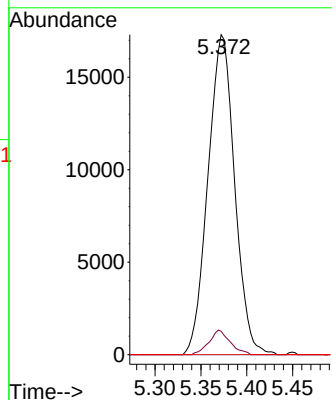


#38
Carbon Tetrachloride
Concen: 5.339 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

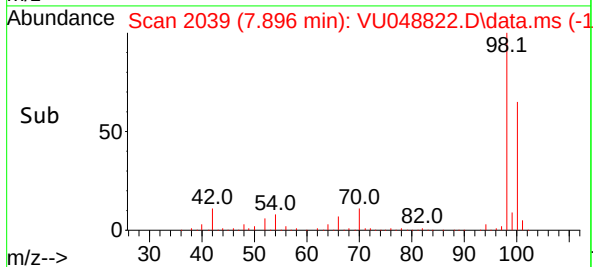
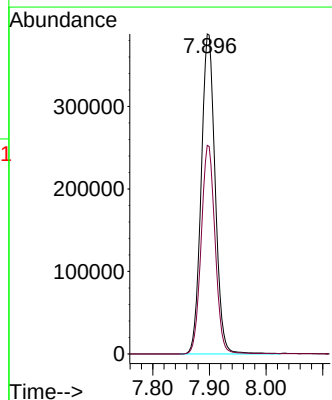
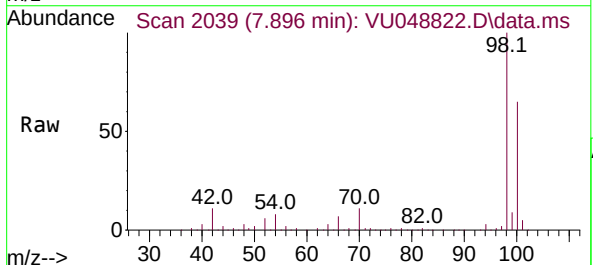


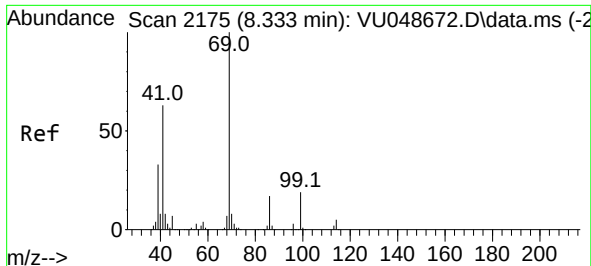
Tgt Ion:117 Resp: 35018
Ion Ratio Lower Upper
117 100
119 7.3 75.4 113.2#
121 0.0 24.6 36.8#



#50
Toluene-d8
Concen: 47.239 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. -0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

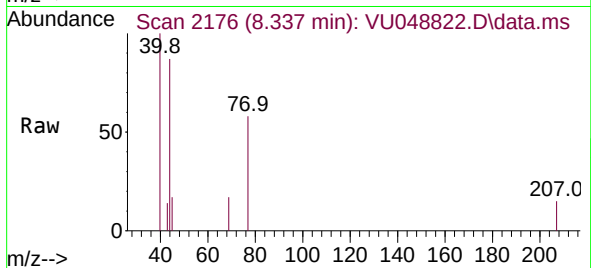
Tgt Ion: 98 Resp: 663299
Ion Ratio Lower Upper
98 100
100 64.9 52.2 78.4



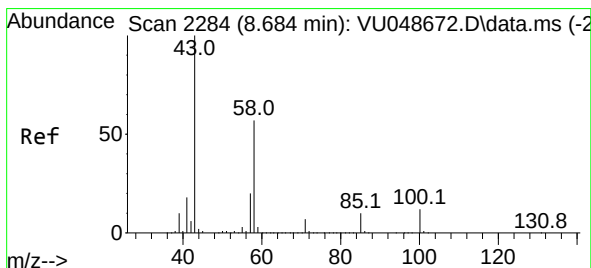
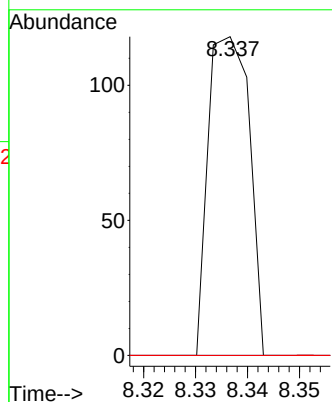
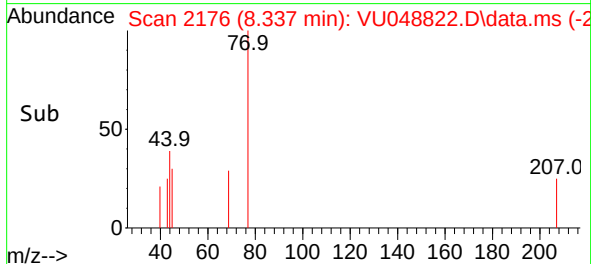


#56
Ethyl methacrylate
Concen: 2.622 ug/l
RT: 8.337 min Scan# 2175
Delta R.T. 0.004 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

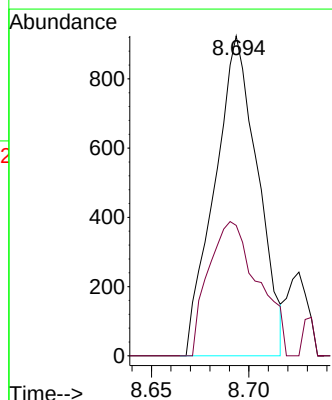
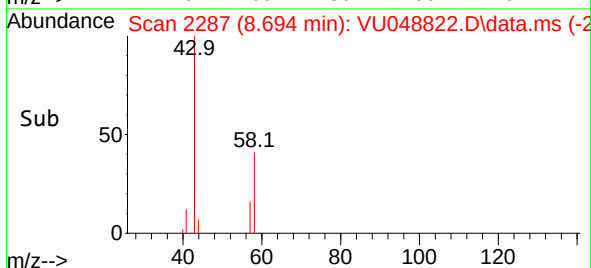
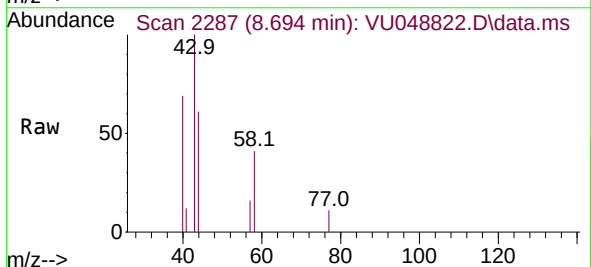


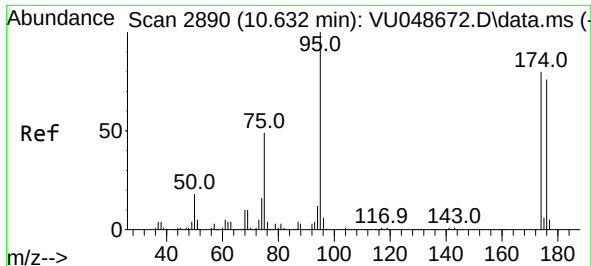
Tgt Ion: 69 Resp: 65
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.254 ug/l
RT: 8.694 min Scan# 2287
Delta R.T. 0.010 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 43 Resp: 1423
Ion Ratio Lower Upper
43 100
58 48.5 28.2 84.6

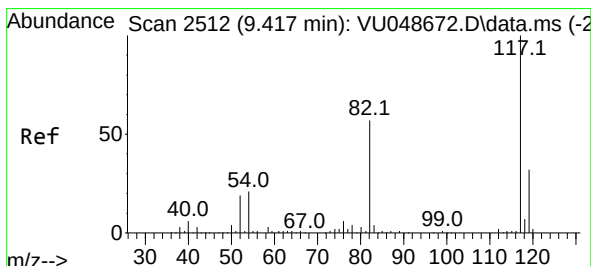
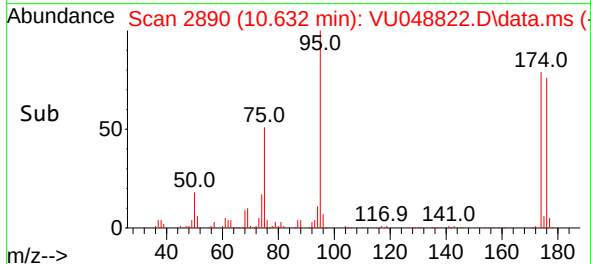
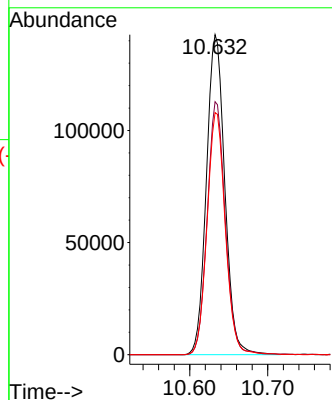
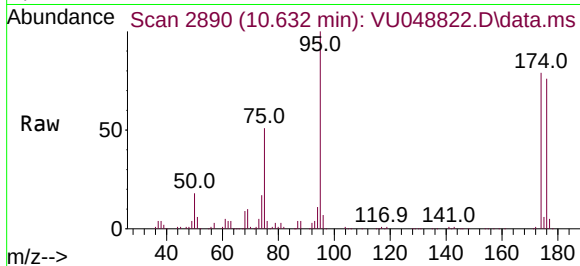




#62
4-Bromofluorobenzene
Concen: 44.001 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

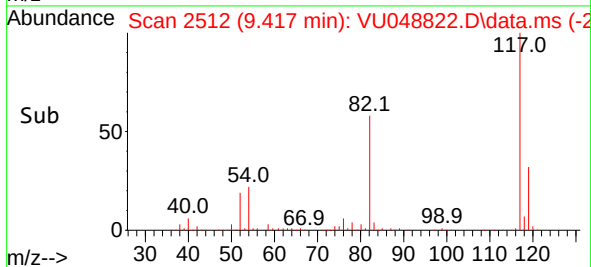
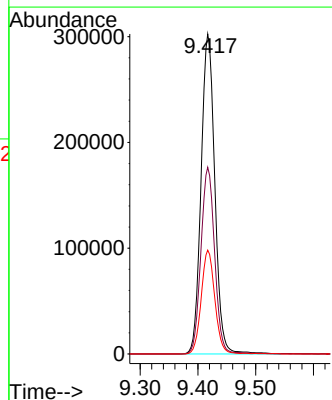
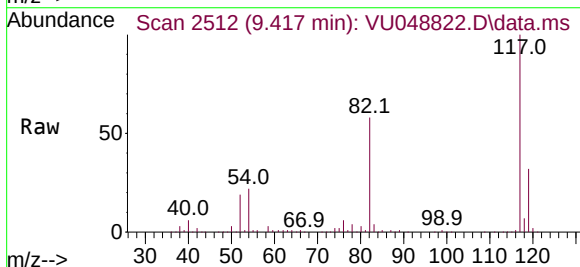
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

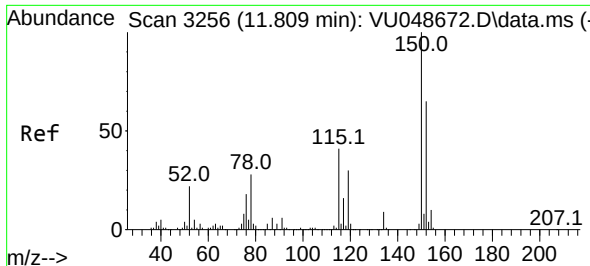
Tgt Ion: 95 Resp: 233661
Ion Ratio Lower Upper
95 100
174 77.8 0.0 159.4
176 75.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 117 Resp: 499612
Ion Ratio Lower Upper
117 100
82 58.3 45.3 67.9
119 32.5 25.4 38.2

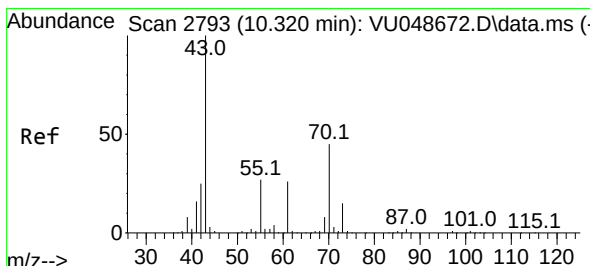
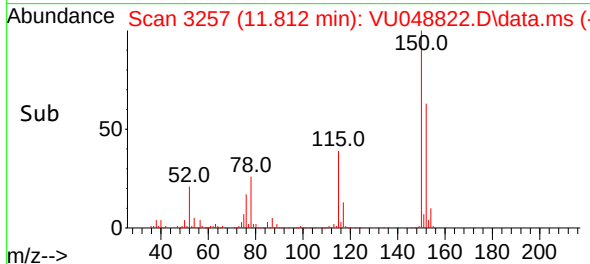
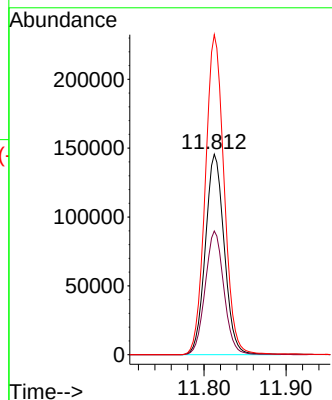
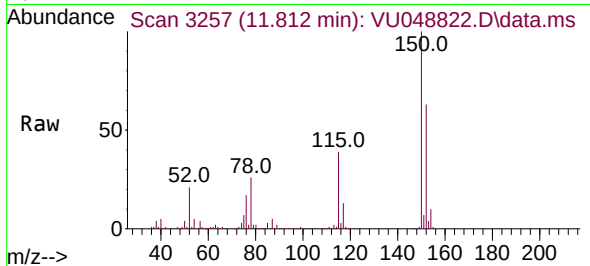




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

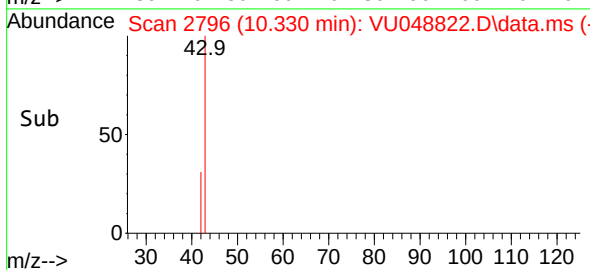
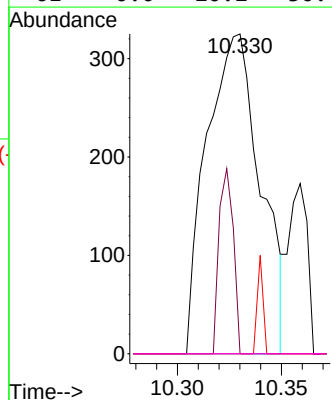
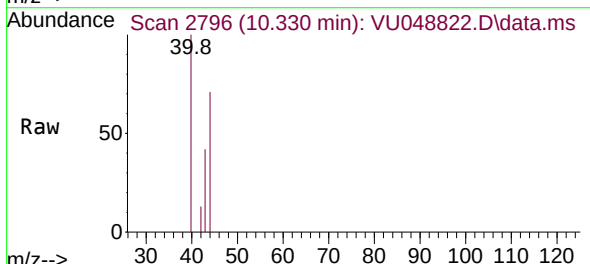
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

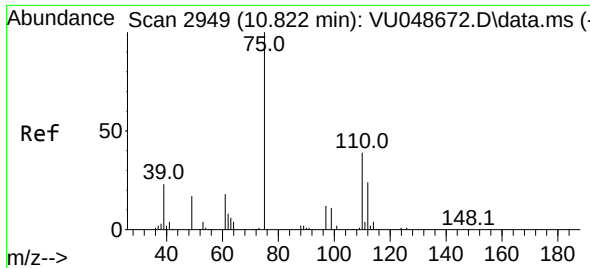
Tgt Ion:152 Resp: 232829
Ion Ratio Lower Upper
152 100
115 61.3 41.8 125.4
150 158.6 0.0 341.0



#74
N-ethyl acetate
Concen: 2.540 ug/l
RT: 10.330 min Scan# 2796
Delta R.T. 0.010 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 43 Resp: 583
Ion Ratio Lower Upper
43 100
70 15.4 35.8 53.6#
55 3.3 21.1 31.7#
61 0.0 20.2 30.4#

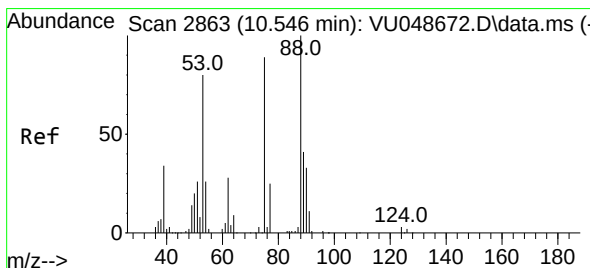
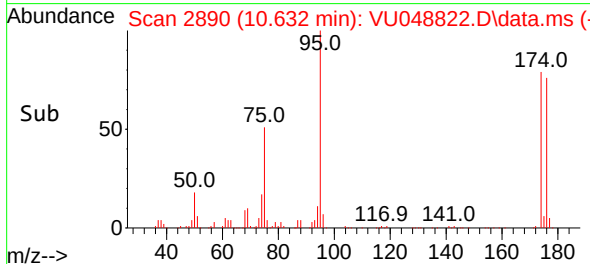
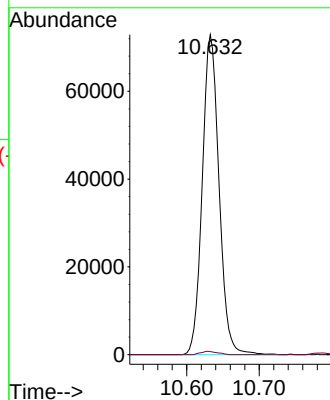
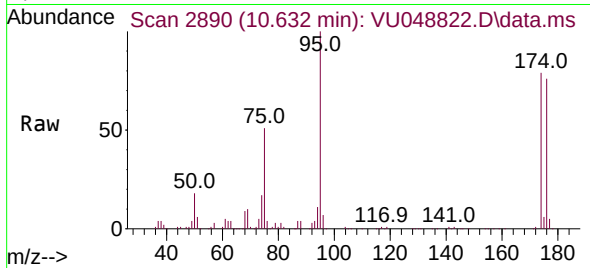




#76
1,2,3-Trichloropropane
Concen: 15.588 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

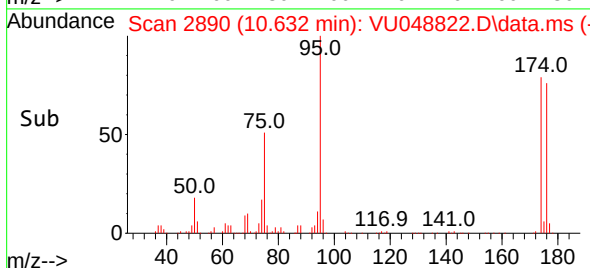
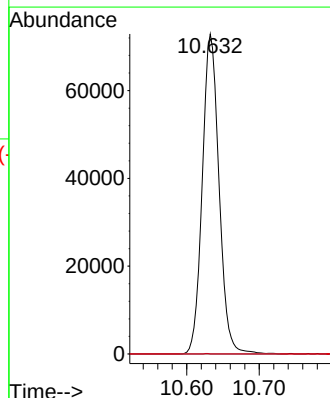
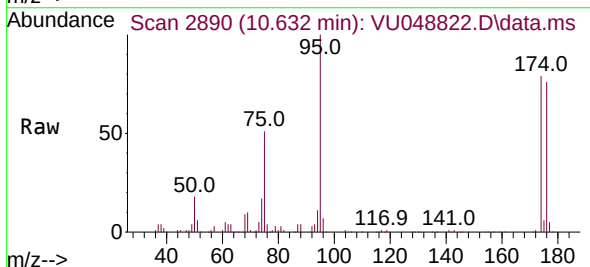
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

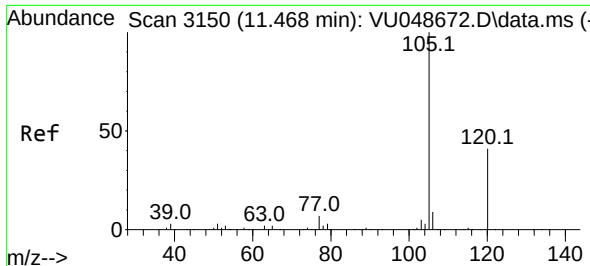
Tgt Ion: 75 Resp: 117015
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.596 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 75 Resp: 117015
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

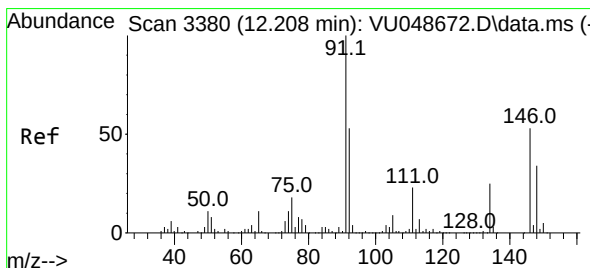
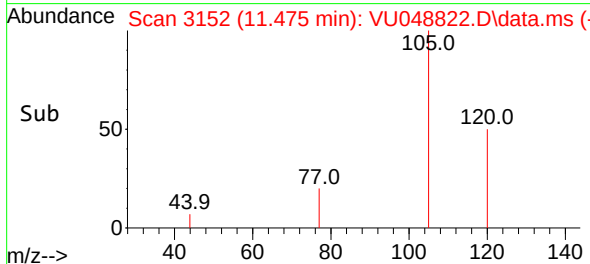
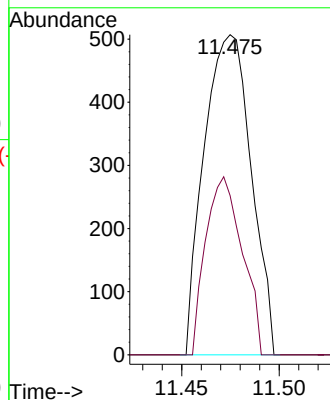
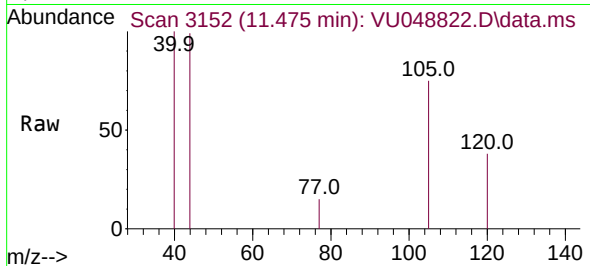




#84
1,2,4-Trimethylbenzene
Concen: 1.246 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

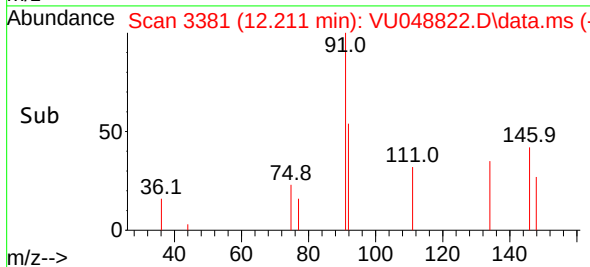
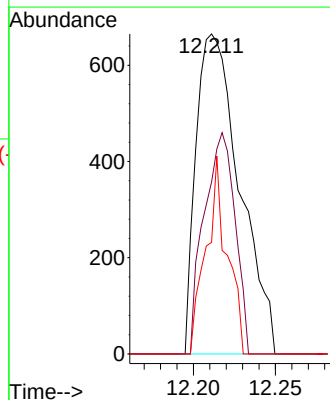
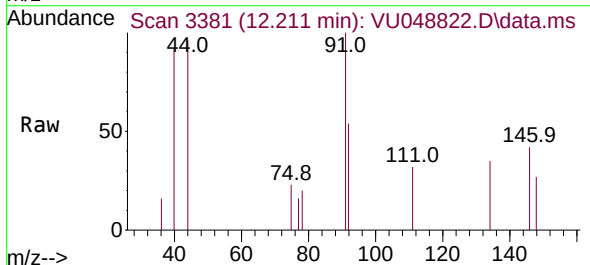
Instrument :
MSVOA_U
ClientSampleId :
VU0602WBL02

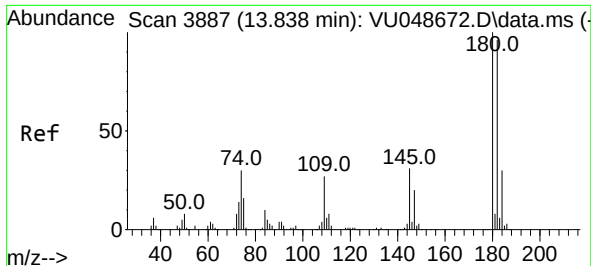
Tgt Ion:105 Resp: 852
Ion Ratio Lower Upper
105 100
120 43.2 22.5 67.5



#89
n-Butylbenzene
Concen: 2.272 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048822.D
Acq: 02 Jun 2022 23:19

Tgt Ion: 91 Resp: 1229
Ion Ratio Lower Upper
91 100
92 48.9 25.9 77.8
134 29.7 12.5 37.5





#93

1,2,4-Trichlorobenzene

Concen: 0.253 ug/l

RT: 13.844 min Scan# 3889

Delta R.T. 0.006 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

Instrument :

MSVOA_U

ClientSampleId :

VU0602WBL02

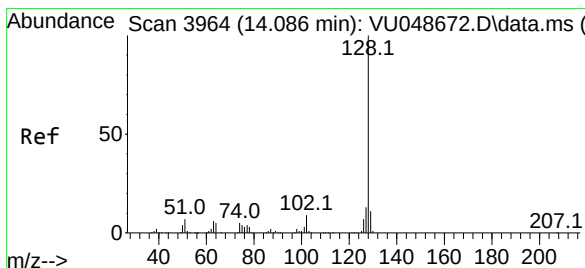
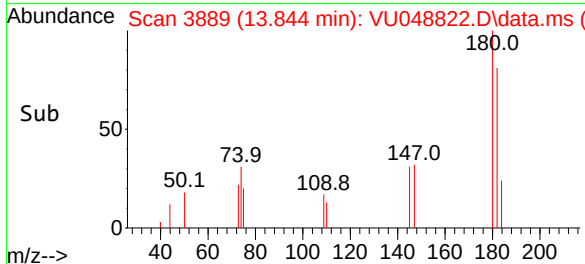
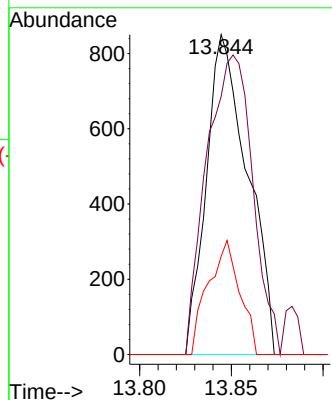
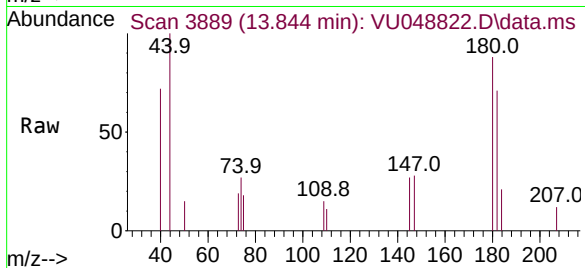
Tgt Ion:180 Resp: 1328

Ion Ratio Lower Upper

180 100

182 104.9 48.3 144.9

145 27.4 15.6 46.7



#95

Naphthalene

Concen: 3.269 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048822.D

Acq: 02 Jun 2022 23:19

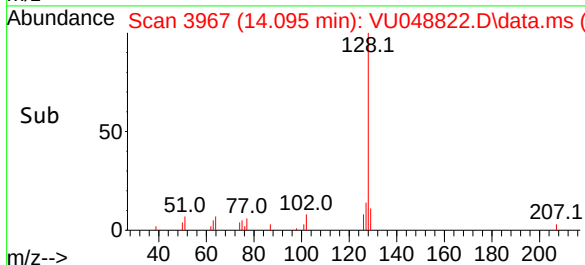
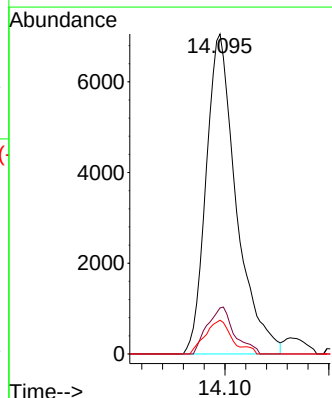
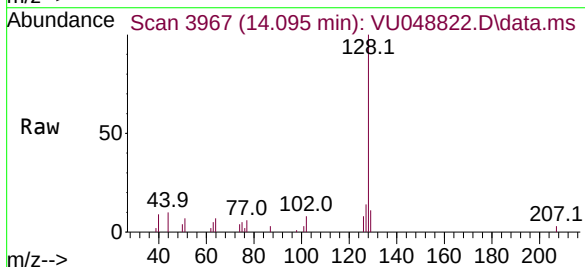
Tgt Ion:128 Resp: 14222

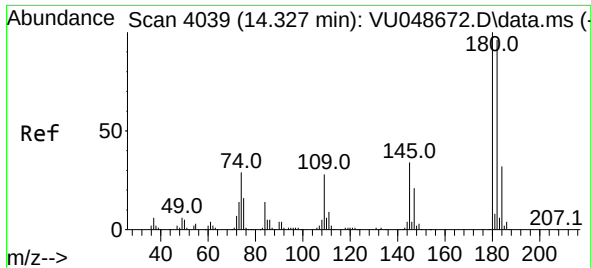
Ion Ratio Lower Upper

128 100

127 13.1 10.2 15.4

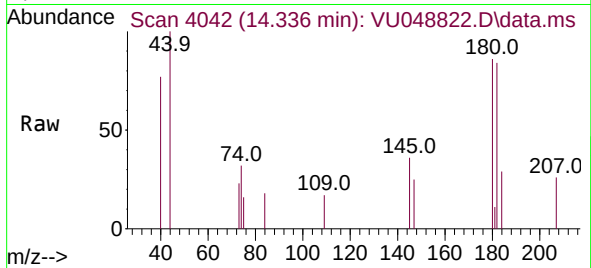
129 9.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.328 ug/l
 RT: 14.336 min Scan# 40
 Delta R.T. 0.010 min
 Lab File: VU048822.D
 Acq: 02 Jun 2022 23:19

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0602WBL02



Tgt Ion:	180	Resp:	1703
Ion	Ratio	Lower	Upper
180	100		
182	103.1	47.4	142.2
145	33.2	16.6	49.8

