

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048733.D
 Acq On : 31 May 2022 12:20
 Operator : SY/MD
 Sample : VU0531WBL01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBL01

Quant Time: Jun 01 02:14:01 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)

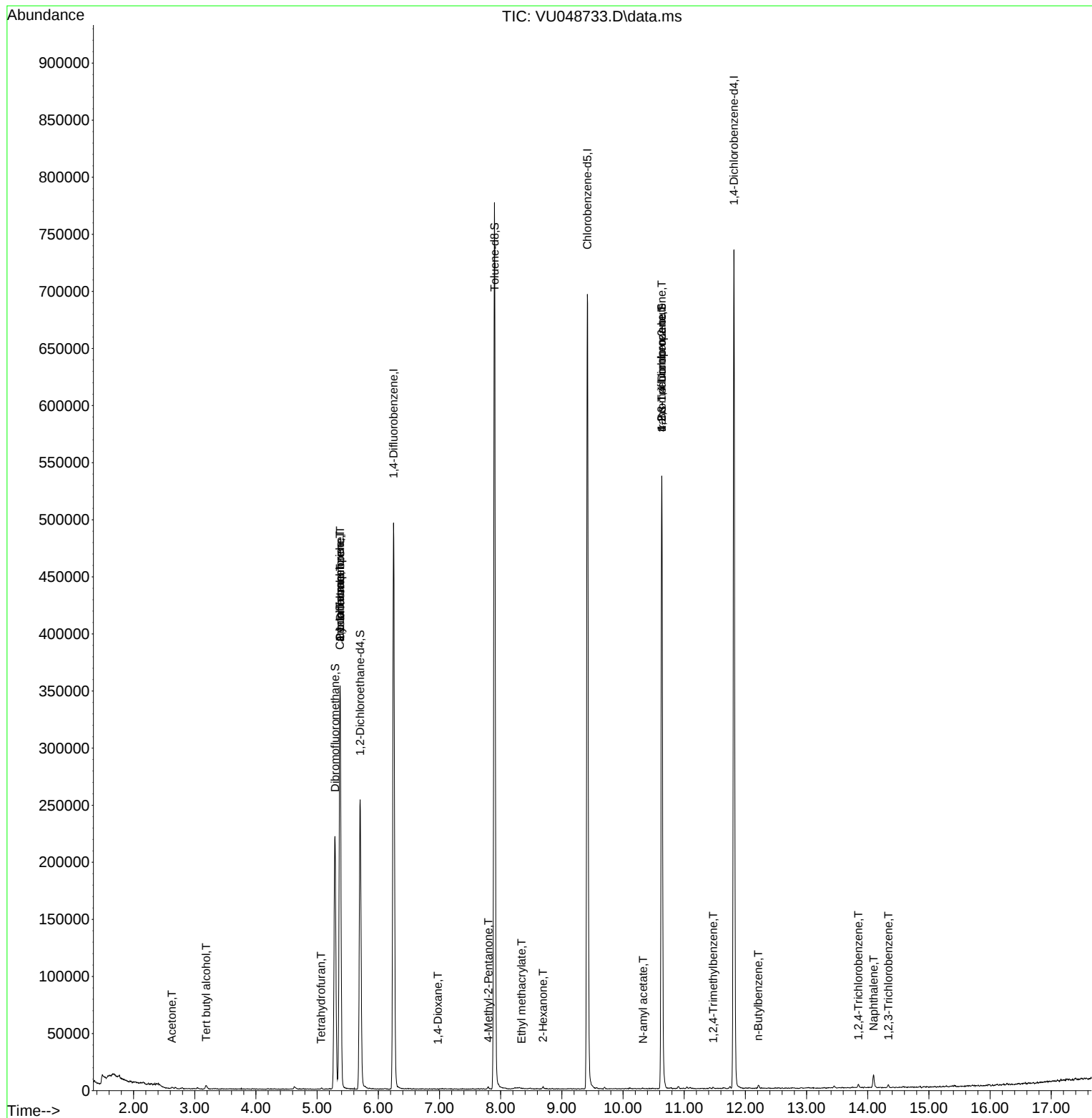
Internal Standards						
1) Pentafluorobenzene	5.375	168	239754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	397712	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	389375	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	196870	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	194085	53.903	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.800%			
35) Dibromofluoromethane	5.292	113	147336	51.927	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.860%			
50) Toluene-d8	7.899	98	518147	50.944	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.880%			
62) 4-Bromofluorobenzene	10.632	95	187401	48.719	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 97.440%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.906	94	20	Below Cal	#	3
6) Chloroethane	1.938	64	463	Below Cal	#	73
11) Tert butyl alcohol	3.186	59	2085	2.284	ug/l #	28
13) Acrolein	2.482	56	120	Below Cal	#	14
16) Acetone	2.626	43	1193	0.650	ug/l	92
29) Tetrahydrofuran	5.063	42	486	0.293	ug/l #	91
31) Cyclohexane	5.375	56	4809	1.060	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	20116	4.858	ug/l #	50
38) Carbon Tetrachloride	5.372	117	23942	5.039	ug/l #	17
49) 1,4-Dioxane	6.973	88	109	1.429	ug/l #	24
51) 4-Methyl-2-Pentanone	7.800	43	1324	0.268	ug/l	89
56) Ethyl methacrylate	8.343	69	183	2.647	ug/l #	26
59) 2-Hexanone	8.693	43	1798	0.444	ug/l	81
74) N-amyl acetate	10.327	43	434	2.531	ug/l #	56
76) 1,2,3-Trichloropropane	10.632	75	96226	15.160	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	96226	55.042	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.475	105	1115	1.278	ug/l	66
89) n-Butylbenzene	12.211	91	1066	2.275	ug/l	97
93) 1,2,4-Trichlorobenzene	13.844	180	1340	0.302	ug/l	86
95) Naphthalene	14.095	128	10517	3.177	ug/l	98
96) 1,2,3-Trichlorobenzene	14.340	180	1228	0.279	ug/l	92

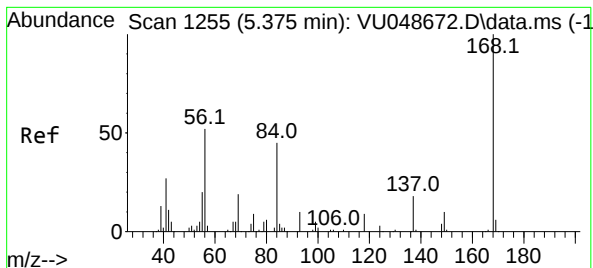
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Fri May 27 06:42:31 2022
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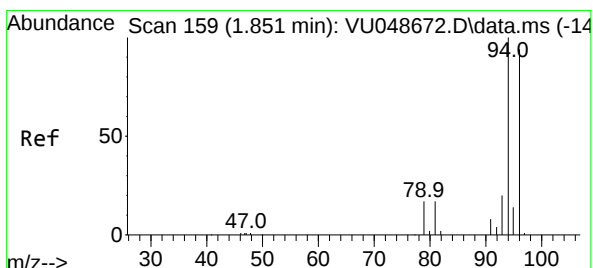
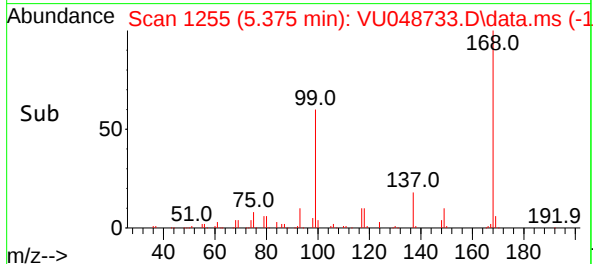
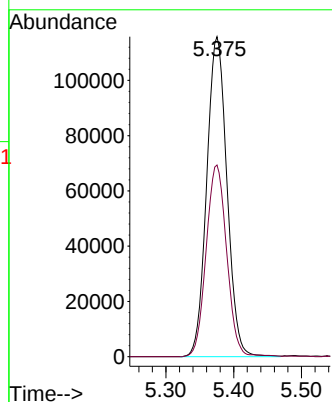
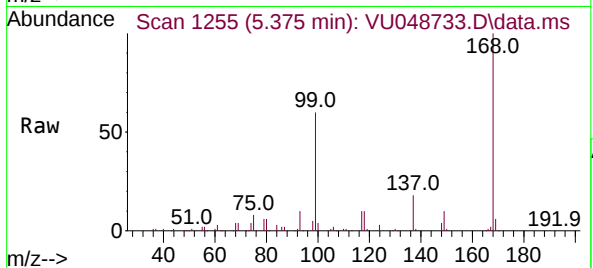




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

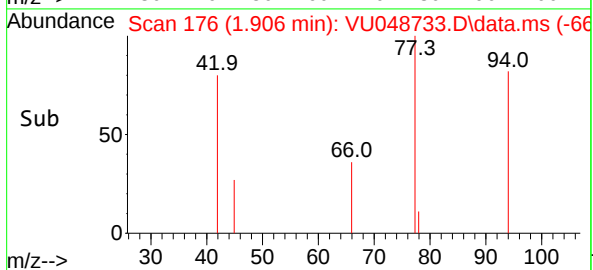
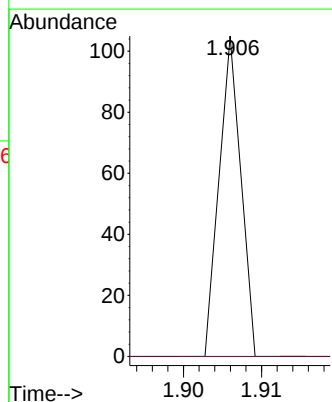
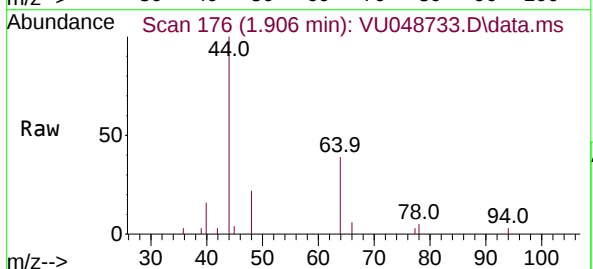
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

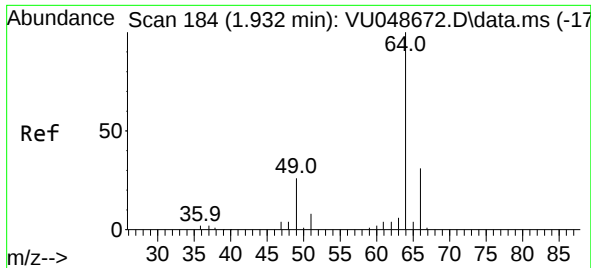
Tgt Ion:168 Resp: 239754
Ion Ratio Lower Upper
168 100
99 59.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.906 min Scan# 176
Delta R.T. 0.055 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 94 Resp: 20
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

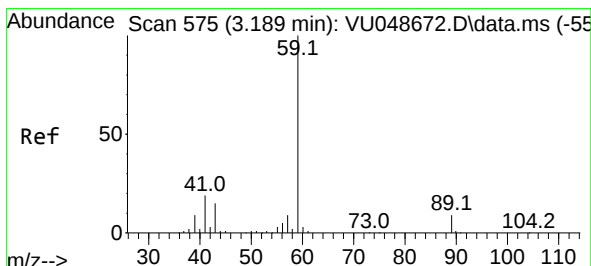
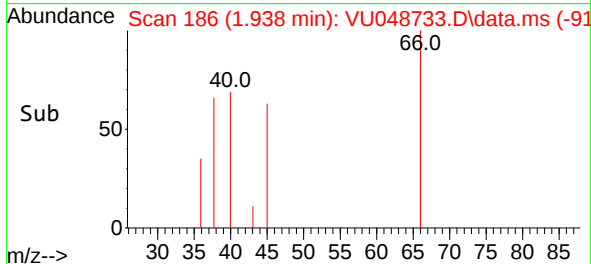
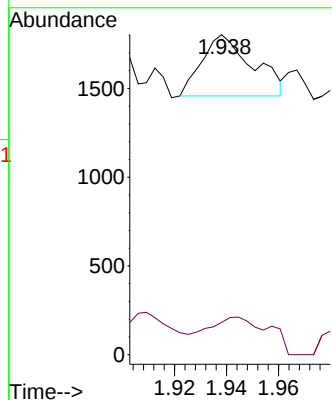
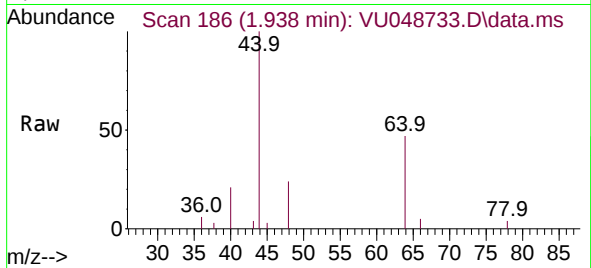




#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 11
Delta R.T. 0.006 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

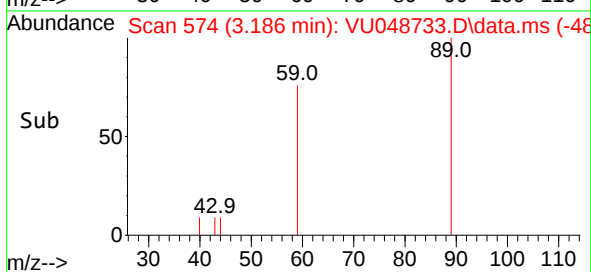
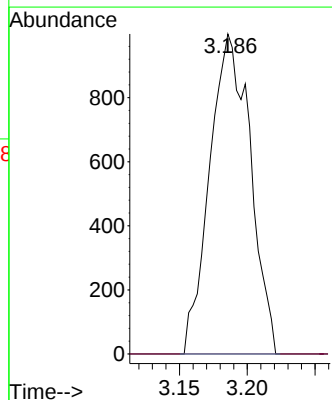
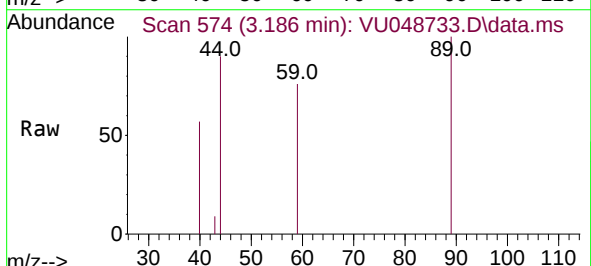
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

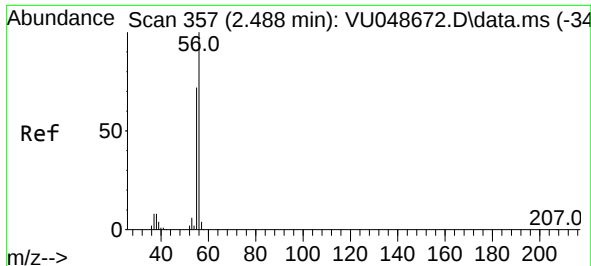
Tgt Ion: 64 Resp: 463
Ion Ratio Lower Upper
64 100
66 16.8 25.2 37.8#



#11
Tert butyl alcohol
Concen: 2.284 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 59 Resp: 2085
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#13

Acrolein

Concen: Below Cal

RT: 2.482 min Scan# 31

Delta R.T. -0.006 min

Lab File: VU048733.D

Acq: 31 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

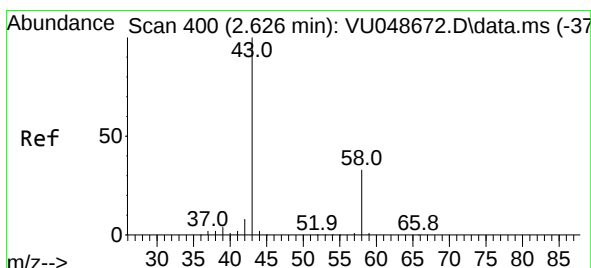
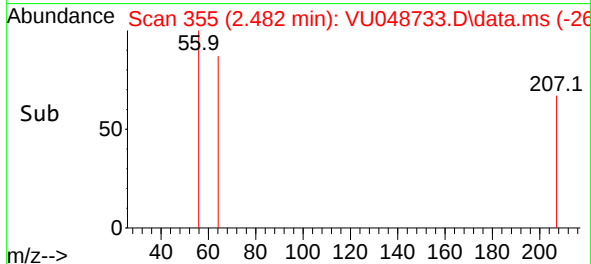
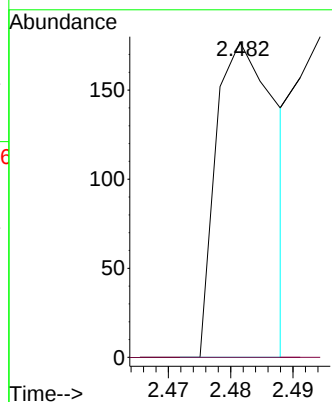
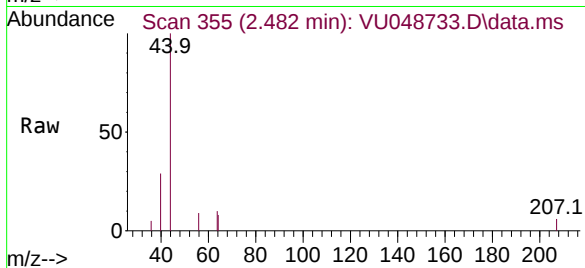
VU0531WBL01

Tgt Ion: 56 Resp: 120

Ion Ratio Lower Upper

56 100

55 0.0 57.7 86.5#



#16

Acetone

Concen: 0.650 ug/l

RT: 2.626 min Scan# 400

Delta R.T. -0.000 min

Lab File: VU048733.D

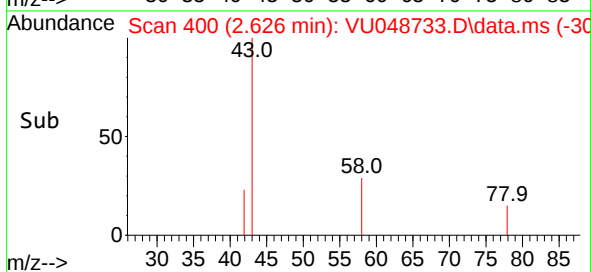
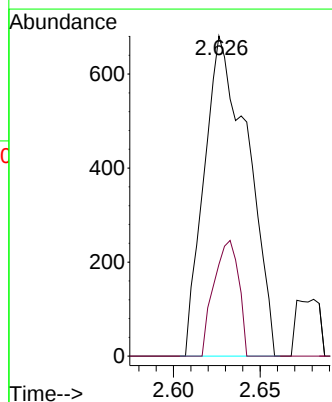
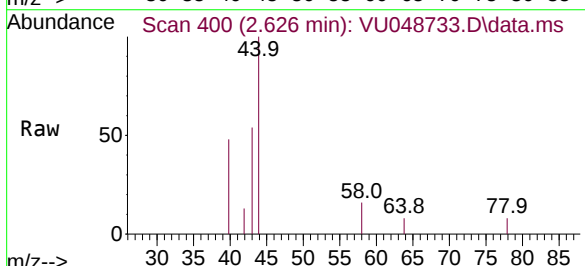
Acq: 31 May 2022 12:20

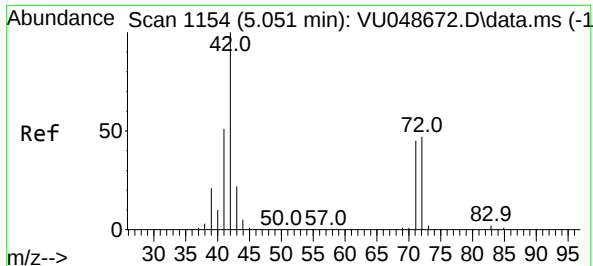
Tgt Ion: 43 Resp: 1193

Ion Ratio Lower Upper

43 100

58 28.6 26.3 39.5





#29

Tetrahydrofuran

Concen: 0.293 ug/l

RT: 5.063 min Scan# 1158

Delta R.T. 0.013 min

Lab File: VU048733.D

Acq: 31 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBL01

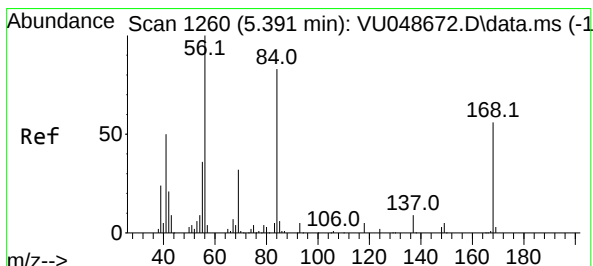
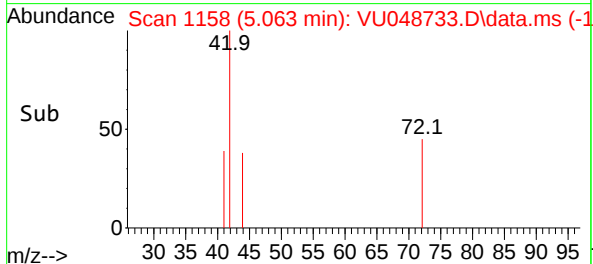
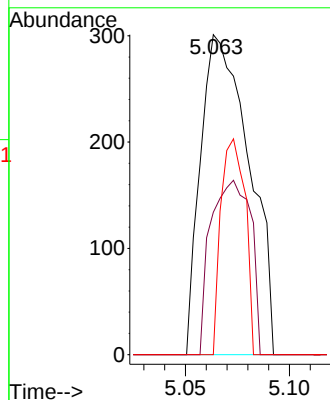
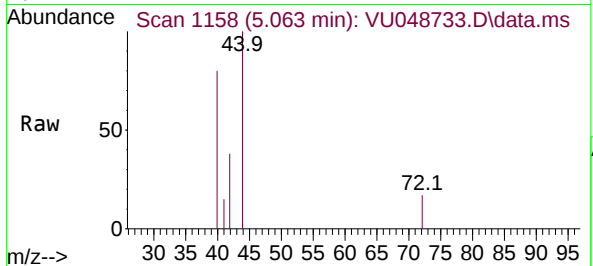
Tgt Ion: 42 Resp: 486

Ion Ratio Lower Upper

42 100

72 44.9 37.6 56.4

71 33.7 35.0 52.4#



#31

Cyclohexane

Concen: 1.060 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU048733.D

Acq: 31 May 2022 12:20

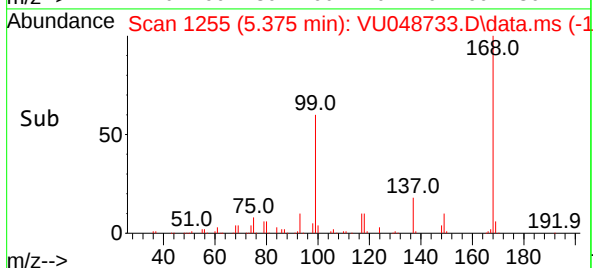
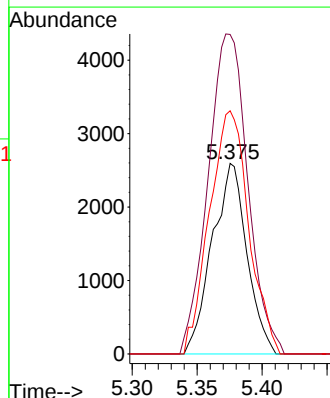
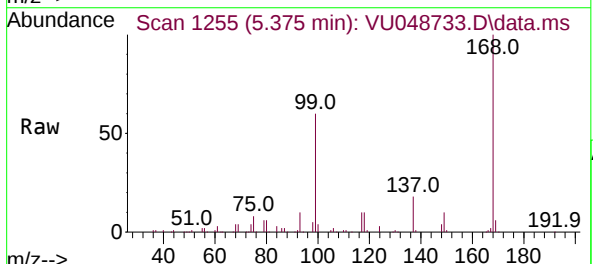
Tgt Ion: 56 Resp: 4809

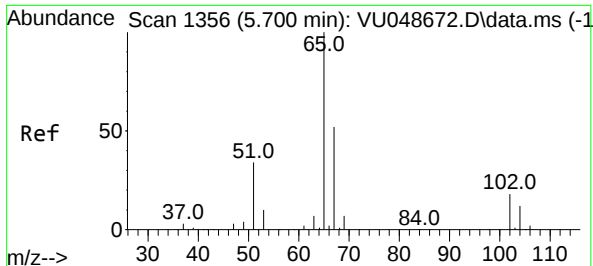
Ion Ratio Lower Upper

56 100

69 167.7 25.6 38.4#

84 127.6 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 53.903 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048733.D

Acq: 31 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

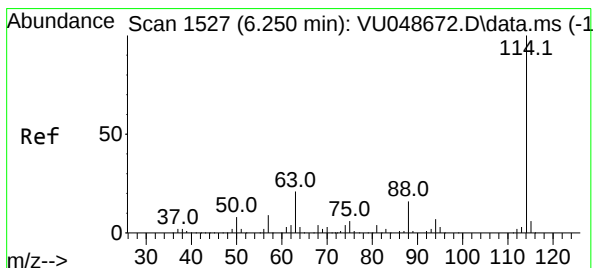
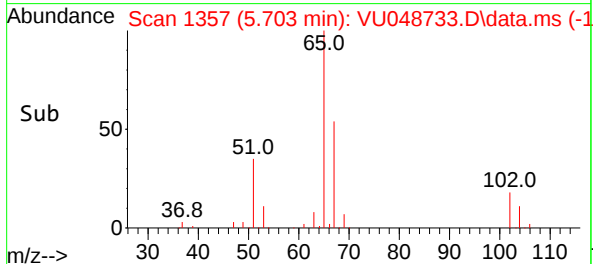
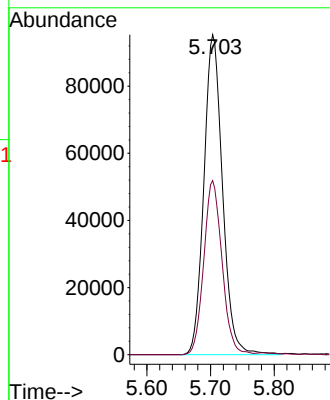
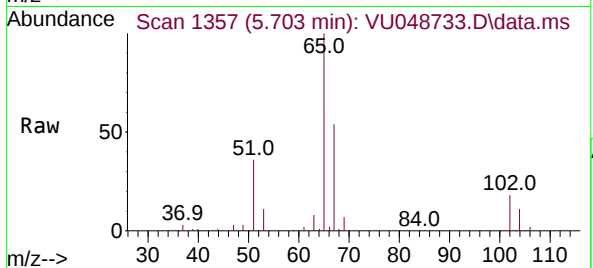
VU0531WBL01

Tgt Ion: 65 Resp: 194085

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: VU048733.D

Acq: 31 May 2022 12:20

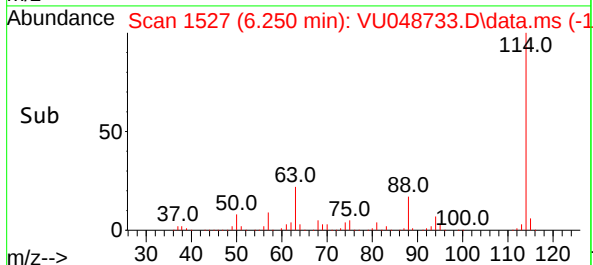
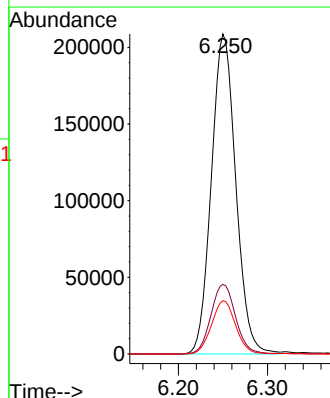
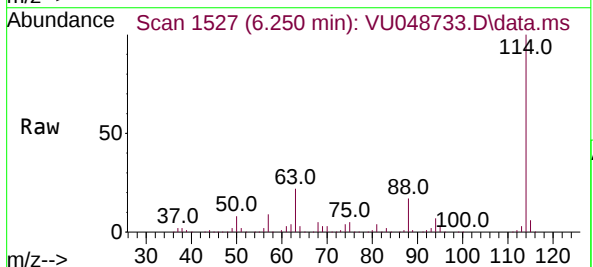
Tgt Ion: 114 Resp: 397712

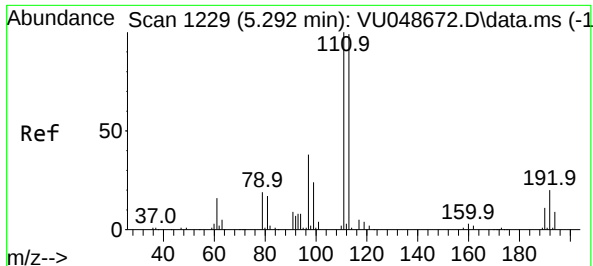
Ion Ratio Lower Upper

114 100

63 21.7 0.0 42.6

88 16.7 0.0 32.2

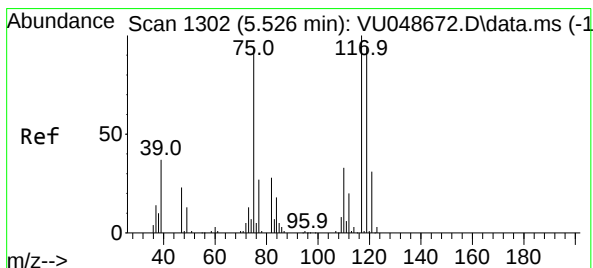
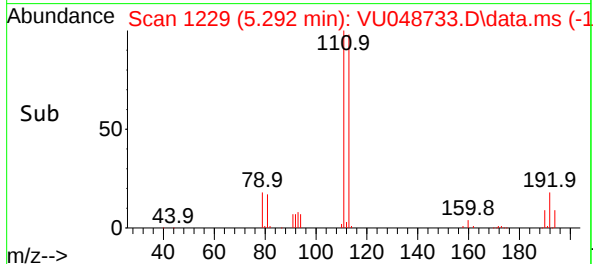
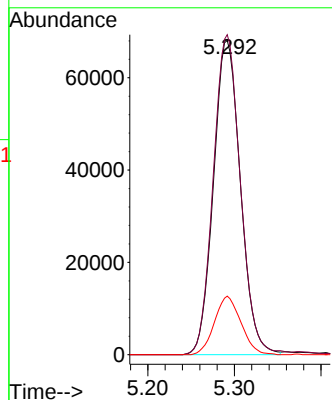
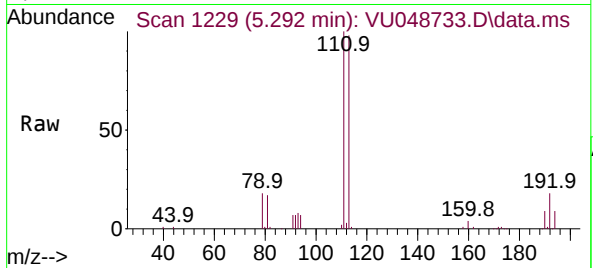




#35
Dibromofluoromethane
Concen: 51.927 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

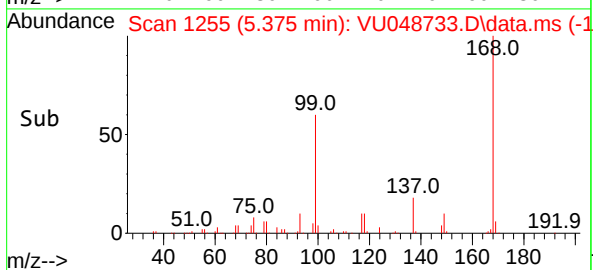
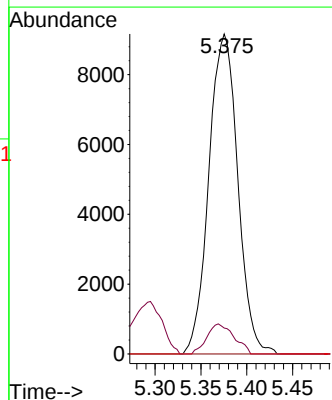
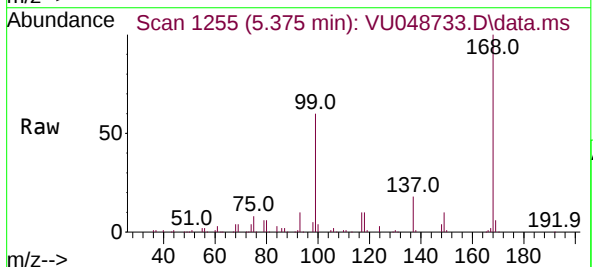
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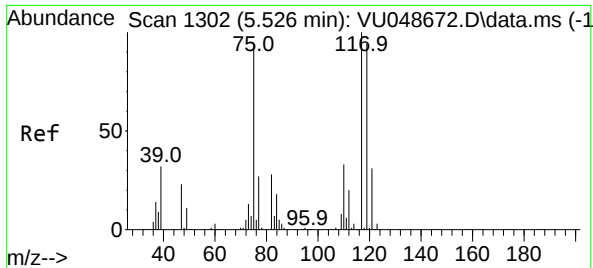
Tgt Ion:113 Resp: 147336
Ion Ratio Lower Upper
113 100
111 102.5 80.7 121.1
192 18.3 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.858 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.151 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 75 Resp: 20116
Ion Ratio Lower Upper
75 100
110 8.8 17.4 52.3#
77 0.0 24.8 37.2#

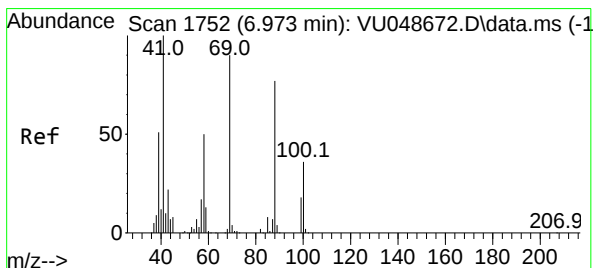
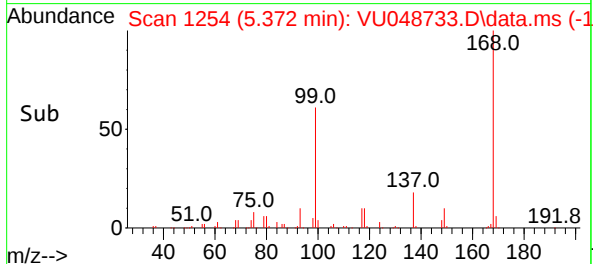
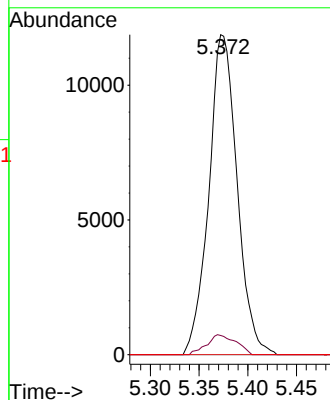
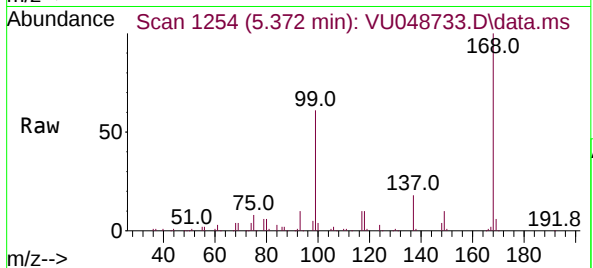




#38
Carbon Tetrachloride
Concen: 5.039 ug/l
RT: 5.372 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

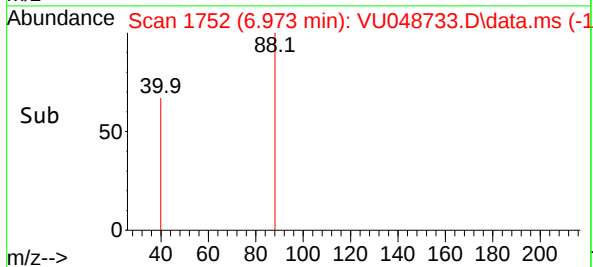
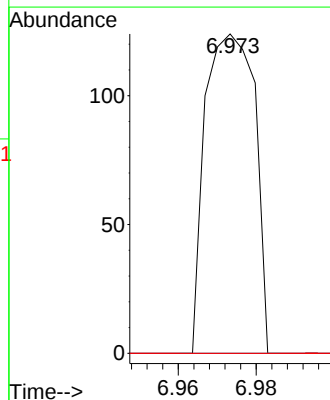
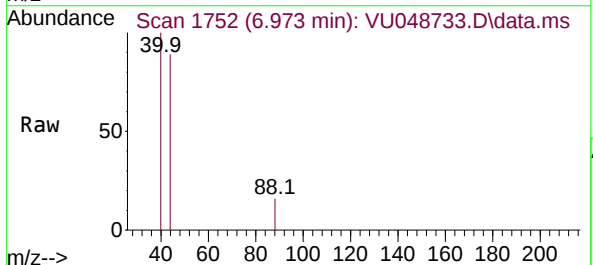
Instrument :
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VU0531WBL01

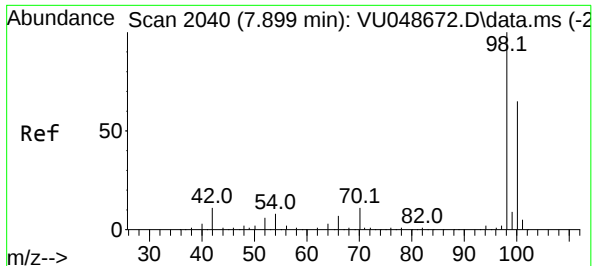
Tgt Ion: 117 Resp: 23942
Ion Ratio Lower Upper
117 100
119 6.0 75.4 113.2#
121 0.0 24.6 36.8#



#49
1,4-Dioxane
Concen: 1.429 ug/l
RT: 6.973 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 88 Resp: 109
Ion Ratio Lower Upper
88 100
43 0.0 24.6 36.8#
58 0.0 54.7 82.1#

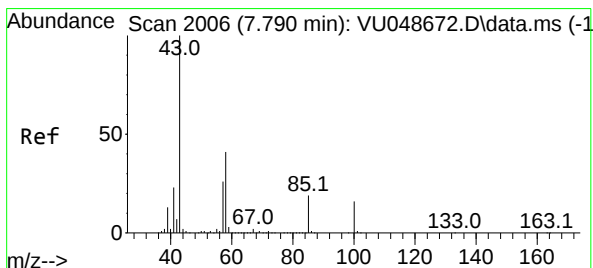
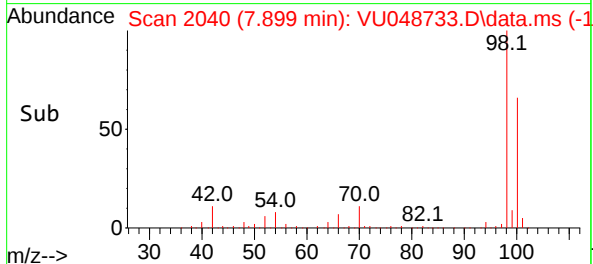
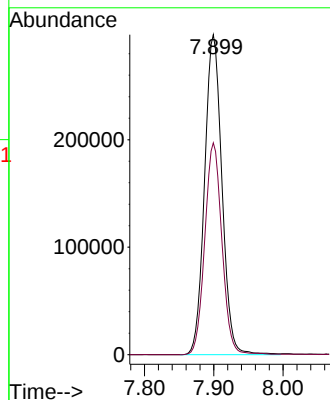
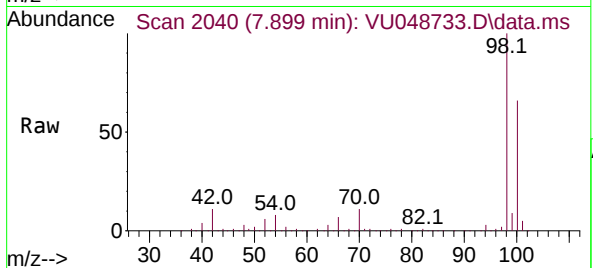




#50
Toluene-d8
Concen: 50.944 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

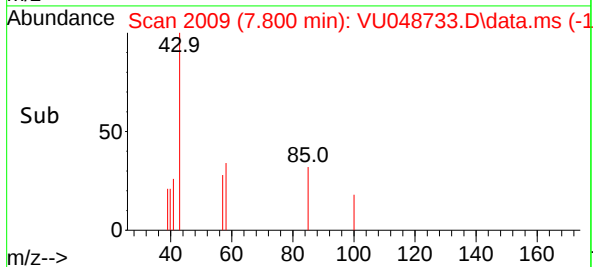
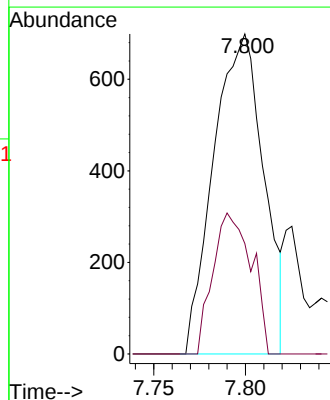
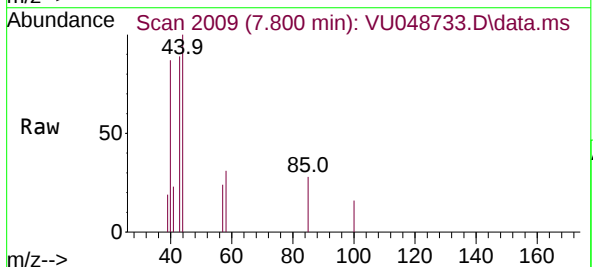
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

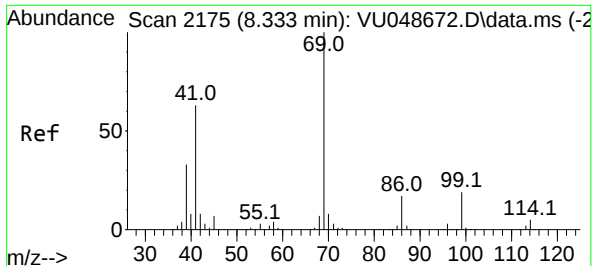
Tgt Ion: 98 Resp: 518147
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 0.268 ug/l
RT: 7.800 min Scan# 2009
Delta R.T. 0.010 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 43 Resp: 1324
Ion Ratio Lower Upper
43 100
58 34.1 32.7 49.1

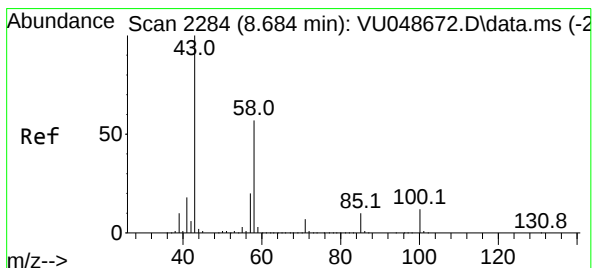
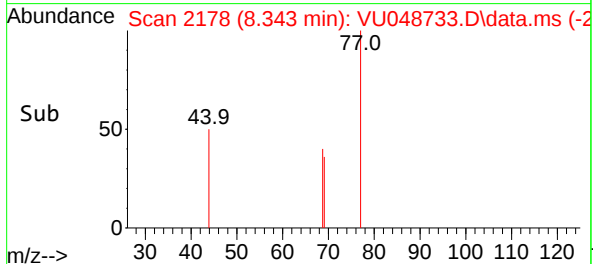
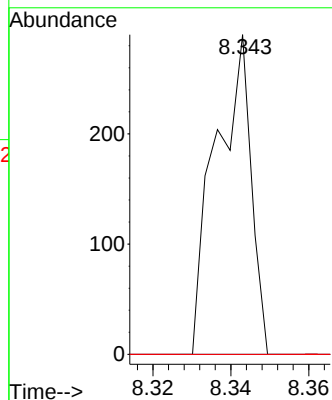
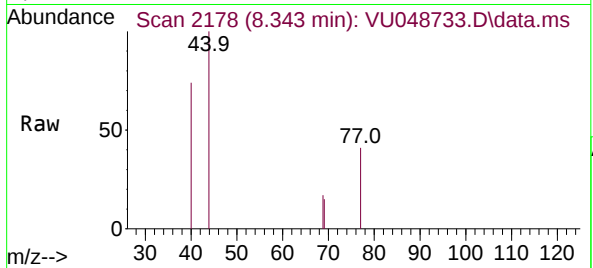




#56
Ethyl methacrylate
Concen: 2.647 ug/l
RT: 8.343 min Scan# 2178
Delta R.T. 0.010 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

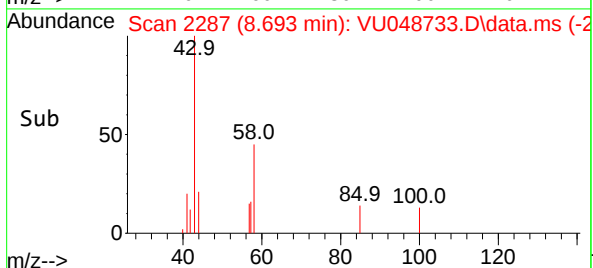
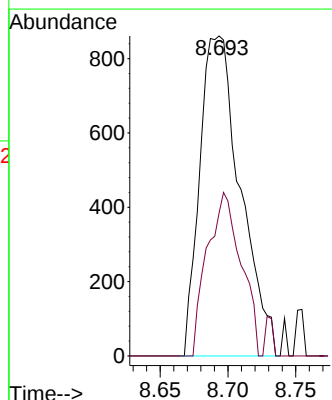
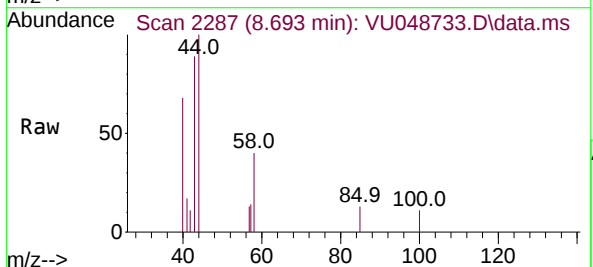
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

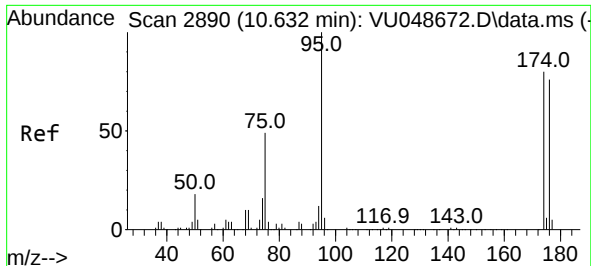
Tgt Ion: 69 Resp: 183
Ion Ratio Lower Upper
69 100
41 0.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.444 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.010 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 43 Resp: 1798
Ion Ratio Lower Upper
43 100
58 42.4 28.2 84.6

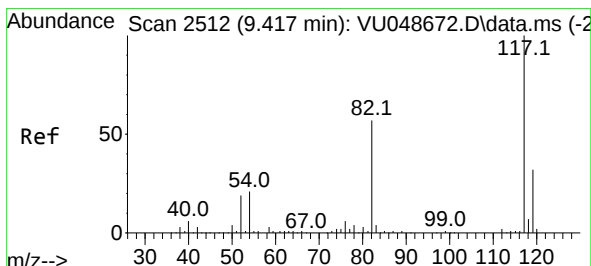
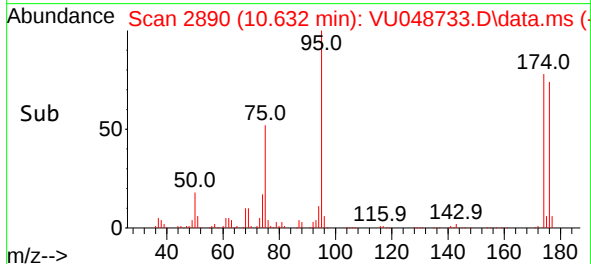
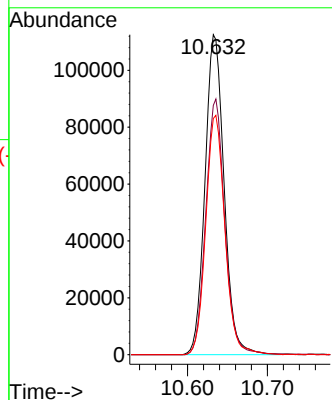
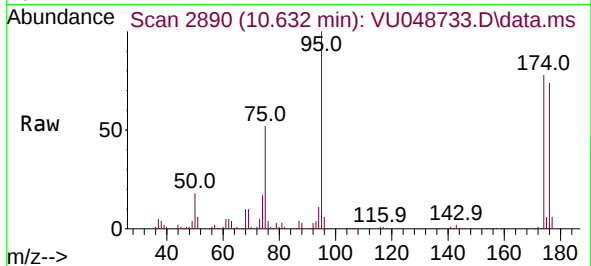




#62
4-Bromofluorobenzene
Concen: 48.719 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

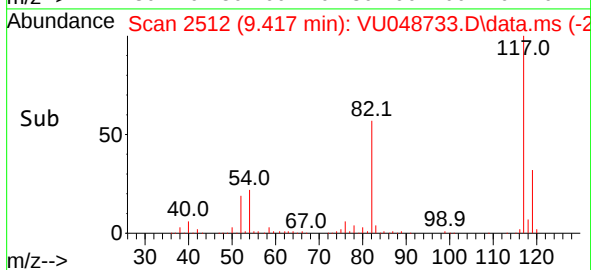
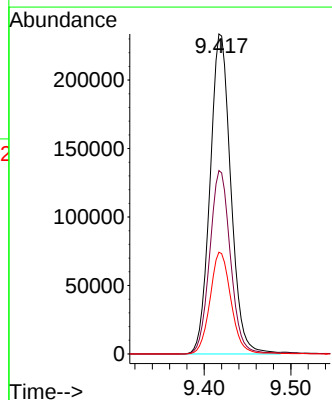
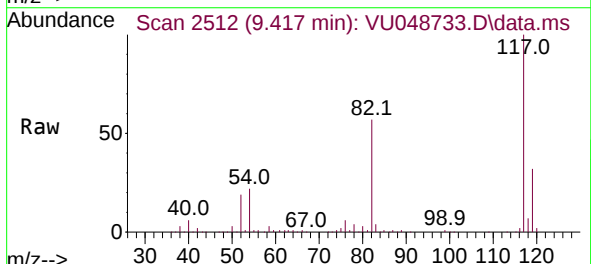
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

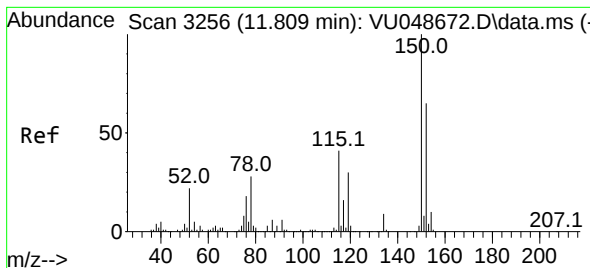
Tgt Ion: 95 Resp: 187401
Ion Ratio Lower Upper
95 100
174 79.3 0.0 159.4
176 75.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 117 Resp: 389375
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.8 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: VU048733.D

Acq: 31 May 2022 12:20

Instrument :

MSVOA_U

ClientSampleId :

VU0531WBL01

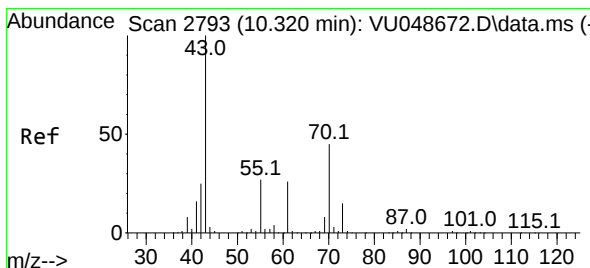
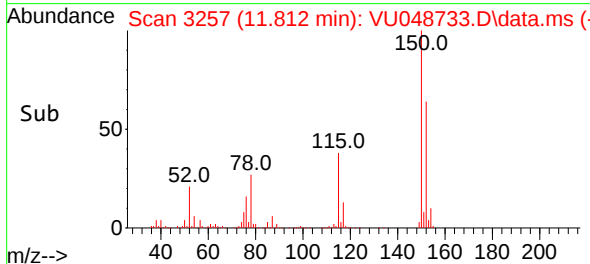
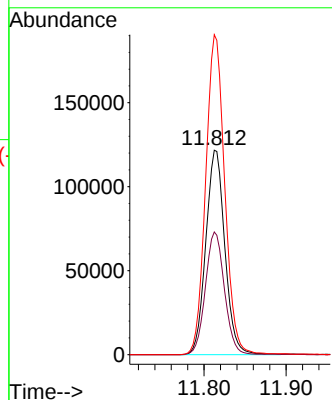
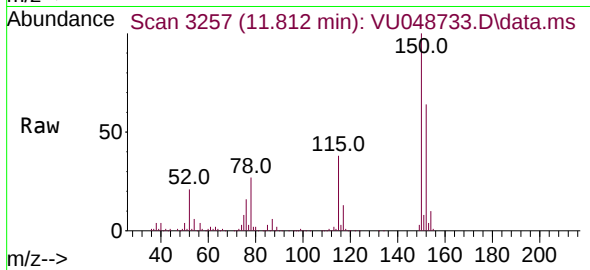
Tgt Ion:152 Resp: 196870

Ion Ratio Lower Upper

152 100

115 59.9 41.8 125.4

150 156.7 0.0 341.0



#74

N-ethyl acetate

Concen: 2.531 ug/l

RT: 10.327 min Scan# 2795

Delta R.T. 0.007 min

Lab File: VU048733.D

Acq: 31 May 2022 12:20

Tgt Ion: 43 Resp: 434

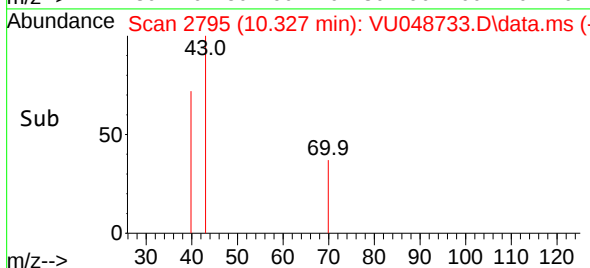
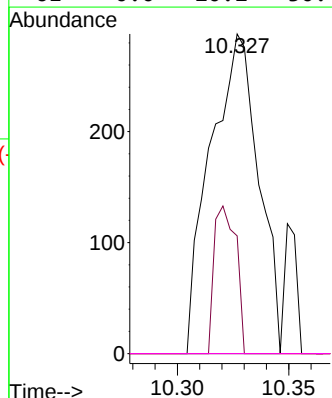
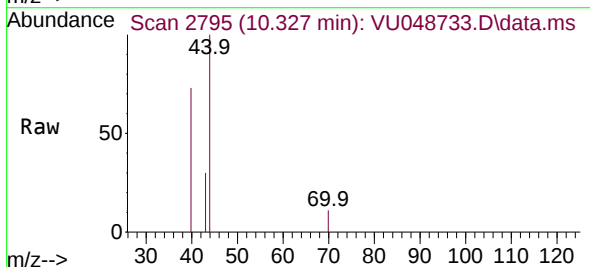
Ion Ratio Lower Upper

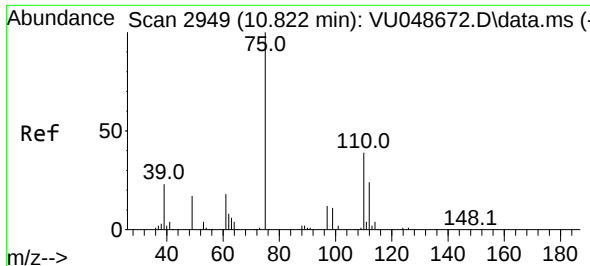
43 100

70 21.0 35.8 53.6#

55 0.0 21.1 31.7#

61 0.0 20.2 30.4#

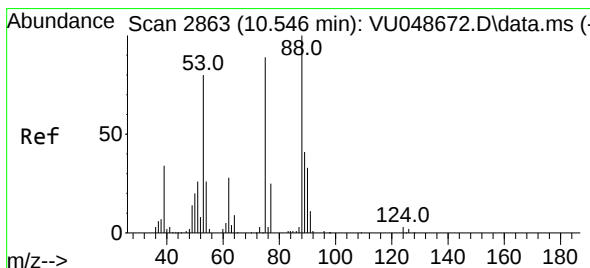
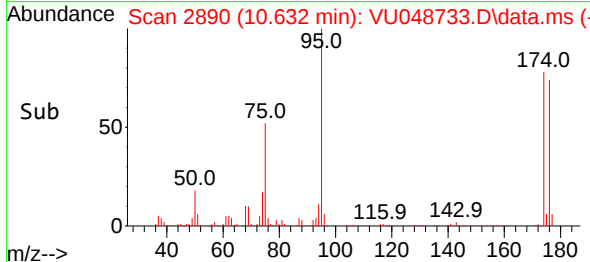
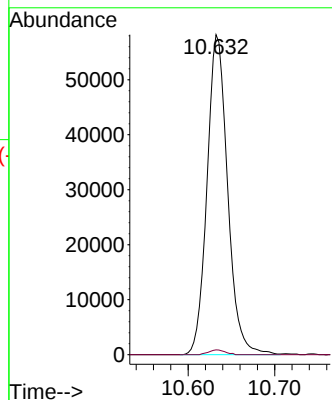
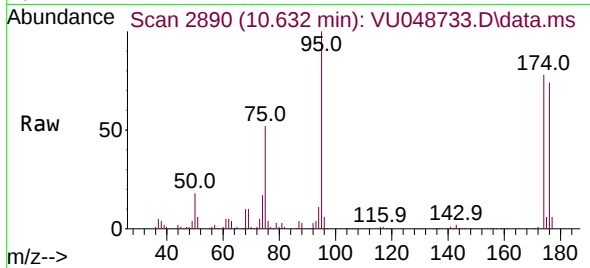




#76
1,2,3-Trichloropropane
Concen: 15.160 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

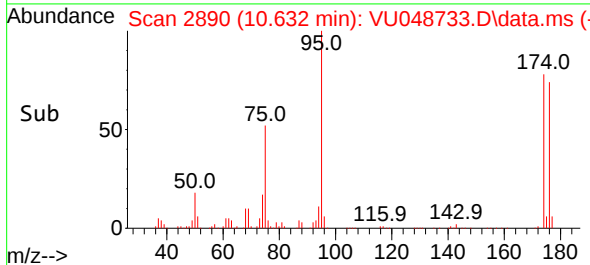
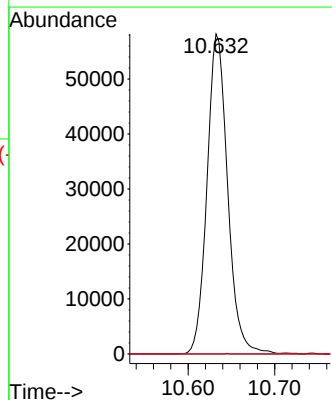
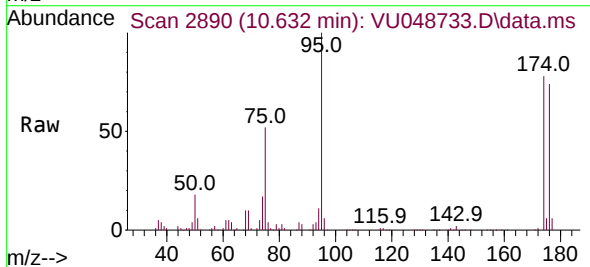
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

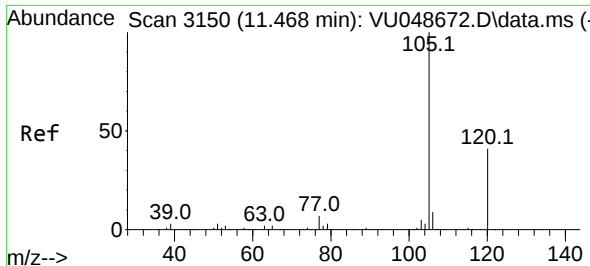
Tgt Ion: 75 Resp: 96226
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 55.042 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 75 Resp: 96226
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

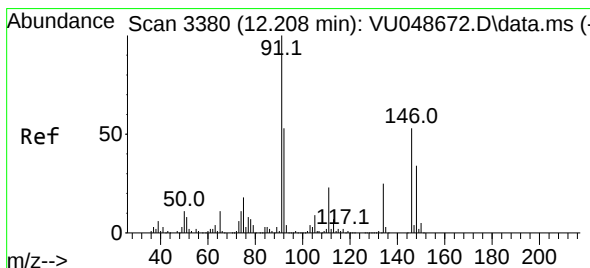
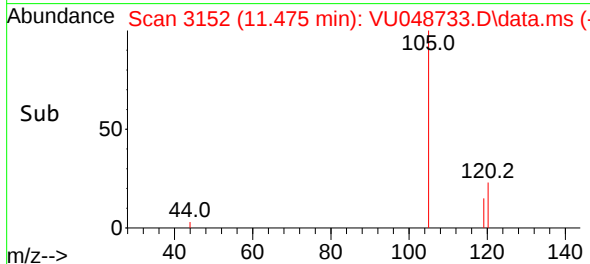
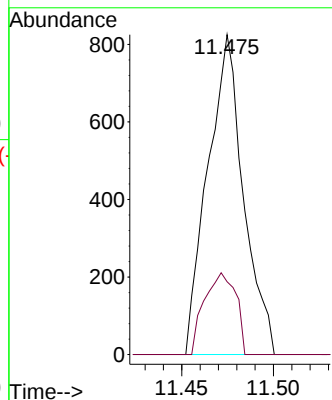
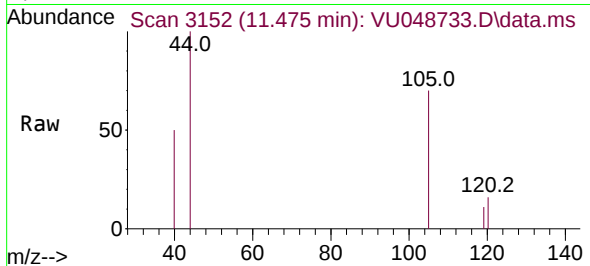




#84
1,2,4-Trimethylbenzene
Concen: 1.278 ug/l
RT: 11.475 min Scan# 3150
Delta R.T. 0.007 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

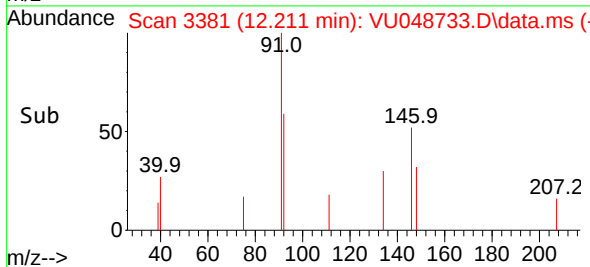
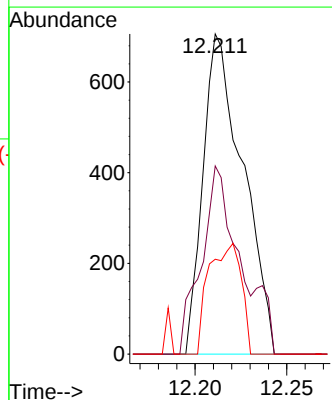
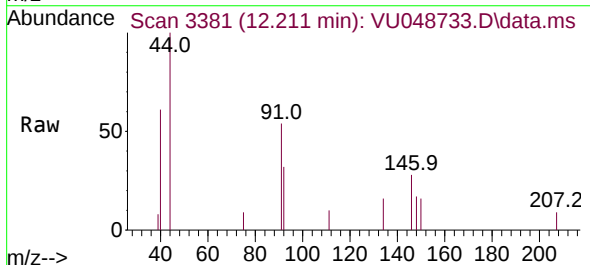
Instrument :
MSVOA_U
ClientSampleId :
VU0531WBL01

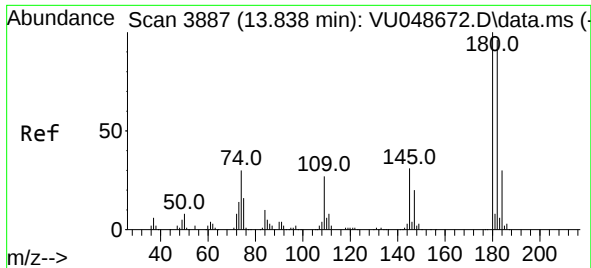
Tgt Ion:105 Resp: 1115
Ion Ratio Lower Upper
105 100
120 22.5 22.5 67.5



#89
n-Butylbenzene
Concen: 2.275 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048733.D
Acq: 31 May 2022 12:20

Tgt Ion: 91 Resp: 1066
Ion Ratio Lower Upper
91 100
92 50.5 25.9 77.8
134 28.1 12.5 37.5

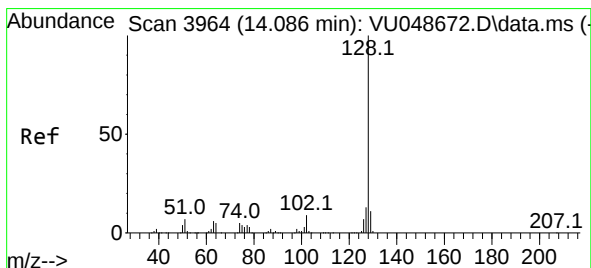
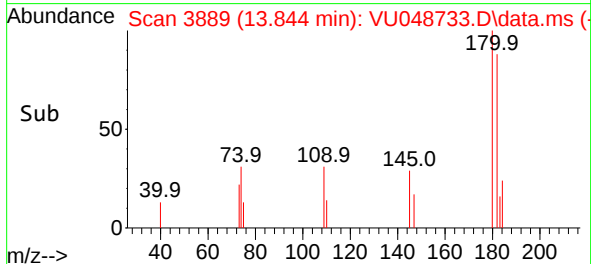
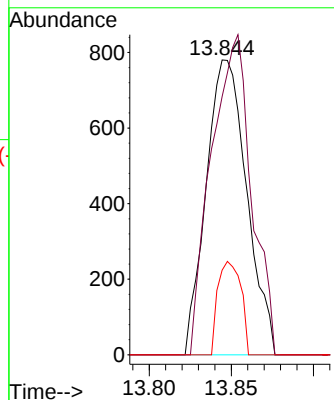
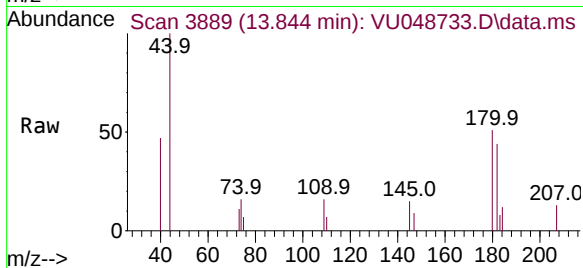




#93
 1,2,4-Trichlorobenzene
 Concen: 0.302 ug/l
 RT: 13.844 min Scan# 3889
 Delta R.T. 0.006 min
 Lab File: VU048733.D
 Acq: 31 May 2022 12:20

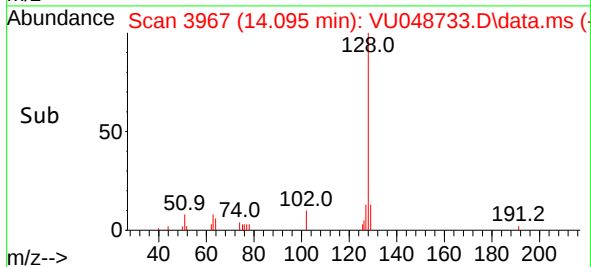
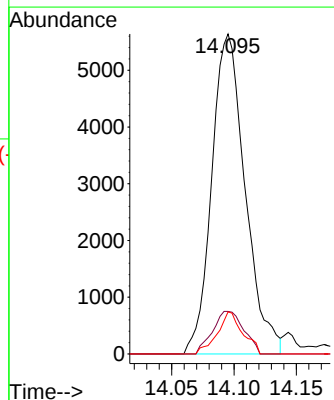
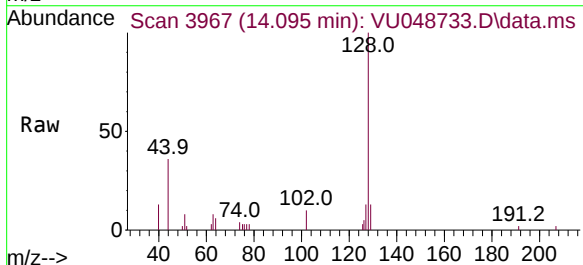
Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBL01

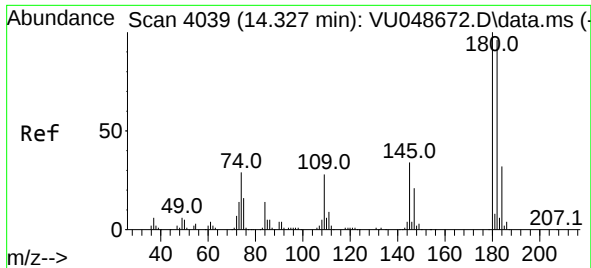
Tgt Ion:180 Resp: 1340
 Ion Ratio Lower Upper
 180 100
 182 107.2 48.3 144.9
 145 17.9 15.6 46.7



#95
 Naphthalene
 Concen: 3.177 ug/l
 RT: 14.095 min Scan# 3967
 Delta R.T. 0.009 min
 Lab File: VU048733.D
 Acq: 31 May 2022 12:20

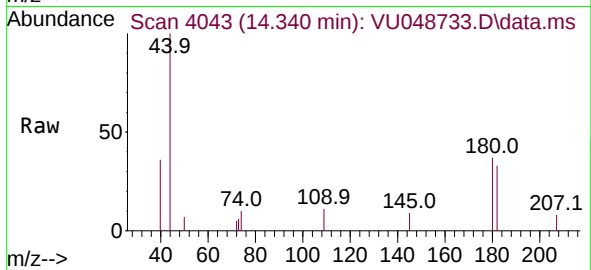
Tgt Ion:128 Resp: 10517
 Ion Ratio Lower Upper
 128 100
 127 12.4 10.2 15.4
 129 10.0 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.279 ug/l
 RT: 14.340 min Scan# 40
 Delta R.T. 0.013 min
 Lab File: VU048733.D
 Acq: 31 May 2022 12:20

Instrument :
 MSVOA_U
 ClientSampleId :
 VU0531WBL01



Tgt Ion:	180	Resp:	1228
Ion Ratio	Lower	Upper	
180	100		
182	91.5	47.4	142.2
145	20.4	16.6	49.8

