

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU053122\
 Data File : VU048745.D
 Acq On : 31 May 2022 17:54
 Operator : SY/MD
 Sample : N3033-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-8RE

Quant Time: Jun 01 02:19:41 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)

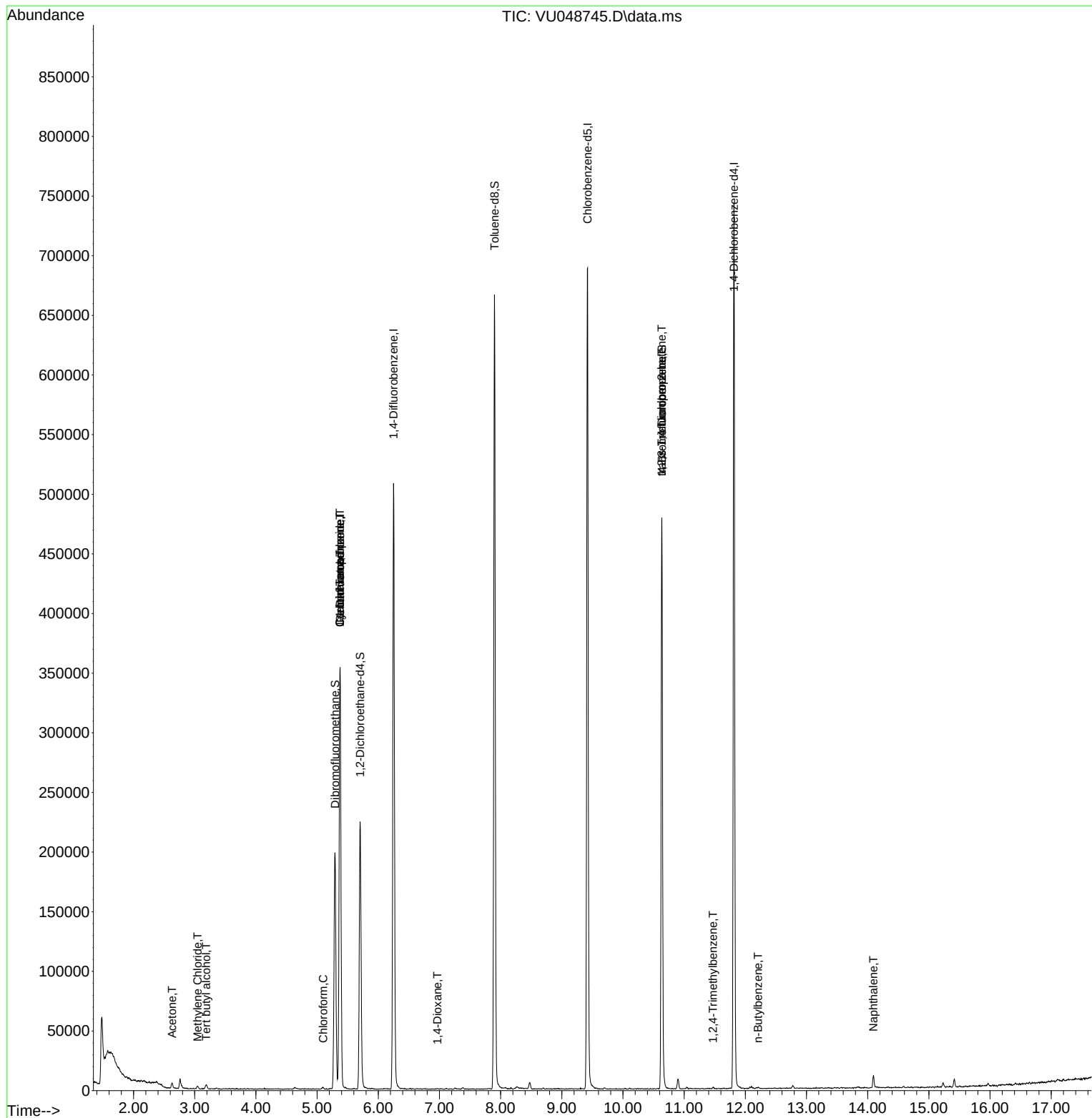
Internal Standards						
1) Pentafluorobenzene	5.375	168	242269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	411210	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	384460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.813	152	195167	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	169170	46.496	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.000%		
35) Dibromofluoromethane	5.292	113	133107	45.372	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.740%		
50) Toluene-d8	7.900	98	443137	42.139	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	84.280%#		
62) 4-Bromofluorobenzene	10.636	95	164962	41.478	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	82.960%#		
Target Compounds						
					Qvalue	
5) Bromomethane	1.768	94	106	Below Cal	#	3
6) Chloroethane	2.019	64	594	Below Cal	#	43
11) Tert butyl alcohol	3.186	59	2184	2.368	ug/l #	28
13) Acrolein	2.443	56	41	Below Cal	#	1
16) Acetone	2.630	43	5595	3.017	ug/l	97
20) Methylene Chloride	3.044	84	1057	0.335	ug/l #	77
30) Chloroform	5.099	83	1376	0.249	ug/l	88
31) Cyclohexane	5.372	56	4892	1.067	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	19373	4.525	ug/l #	49
38) Carbon Tetrachloride	5.372	117	24582	5.004	ug/l #	17
49) 1,4-Dioxane	6.967	88	41	0.520	ug/l #	24
76) 1,2,3-Trichloropropane	10.633	75	85938	13.657	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.633	75	85938	49.586	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	1058	1.274	ug/l	100
89) n-Butylbenzene	12.208	91	542	2.231	ug/l #	36
95) Naphthalene	14.092	128	9811	3.139	ug/l #	96

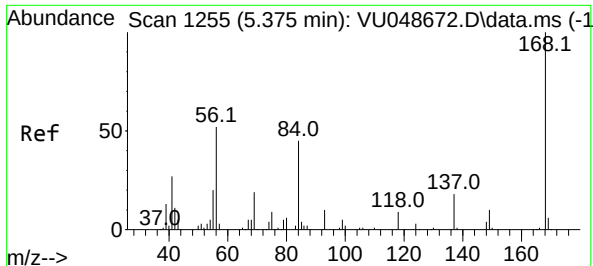
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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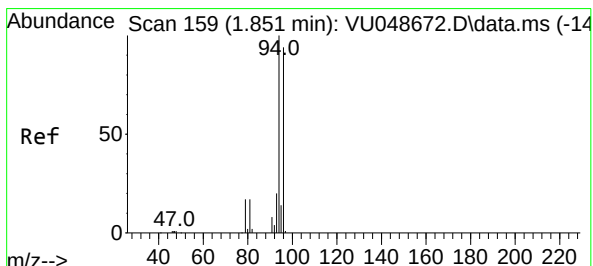
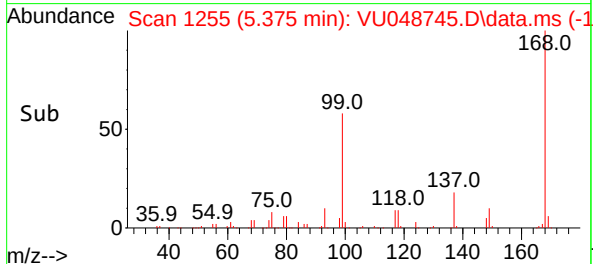
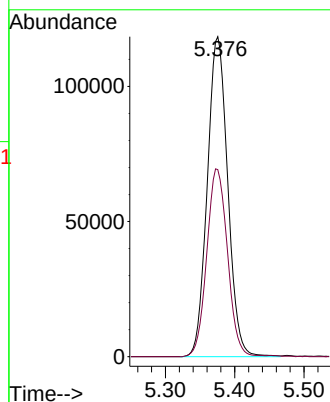
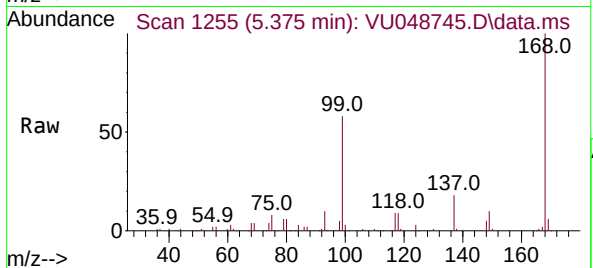




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

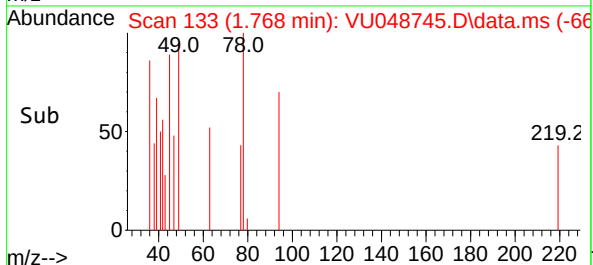
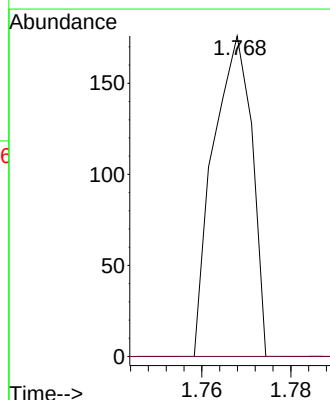
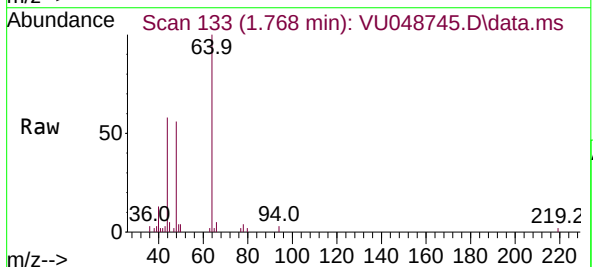
Instrument :
MSVOA_U
ClientSampleId :
TW-8RE

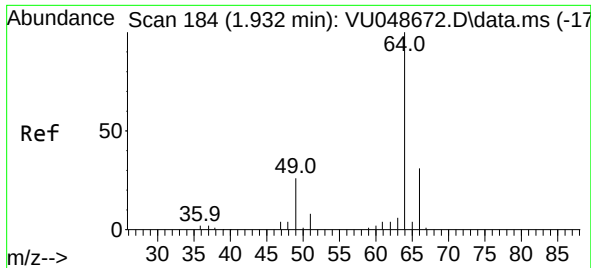
Tgt Ion:168 Resp: 242269
Ion Ratio Lower Upper
168 100
99 58.4 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.768 min Scan# 133
Delta R.T. -0.083 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Tgt Ion: 94 Resp: 106
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

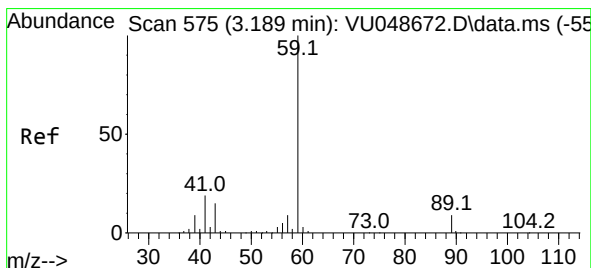
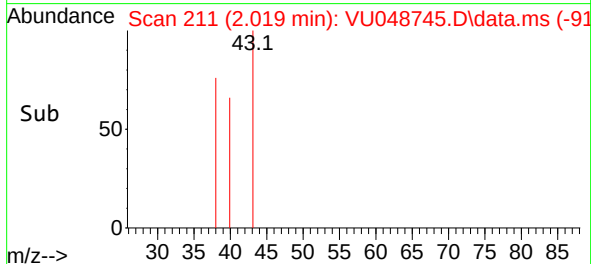
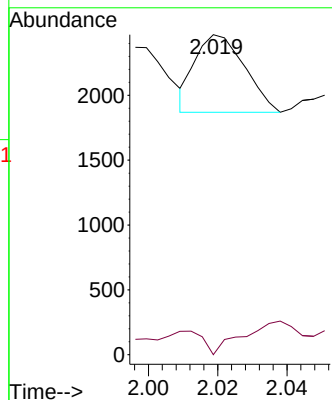
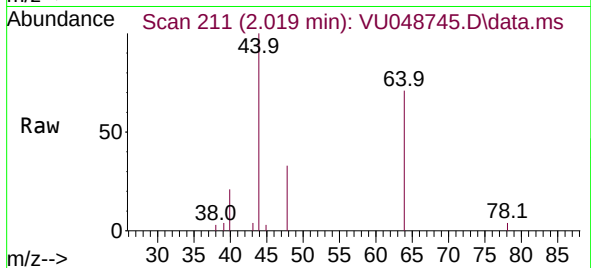




#6
Chloroethane
Concen: Below Cal
RT: 2.019 min Scan# 211
Delta R.T. 0.087 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

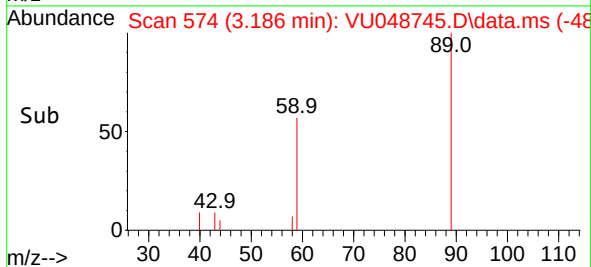
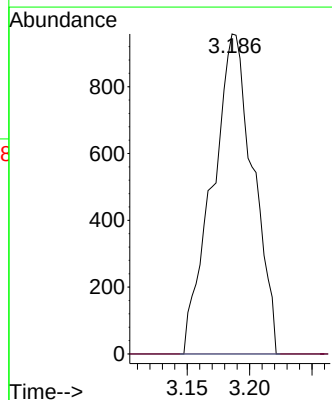
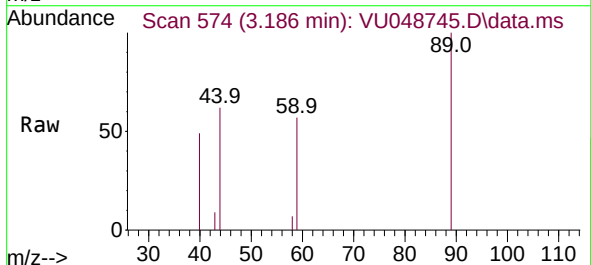
Instrument :
MSVOA_U
ClientSampleId :
TW-8RE

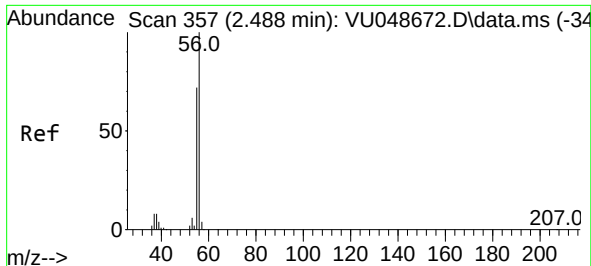
Tgt Ion: 64 Resp: 594
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 2.368 ug/l
RT: 3.186 min Scan# 574
Delta R.T. -0.003 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Tgt Ion: 59 Resp: 2184
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#13

Acrolein

Concen: Below Cal

RT: 2.443 min Scan# 34

Delta R.T. -0.045 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

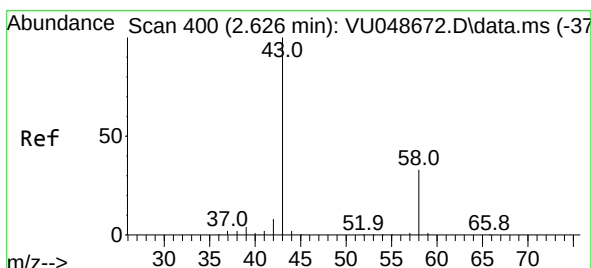
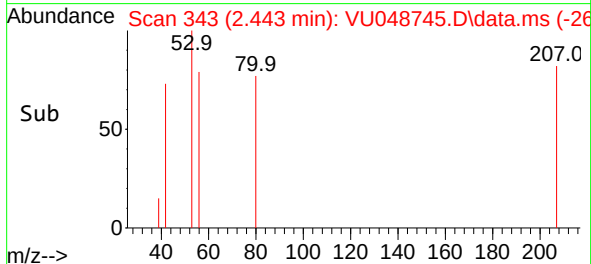
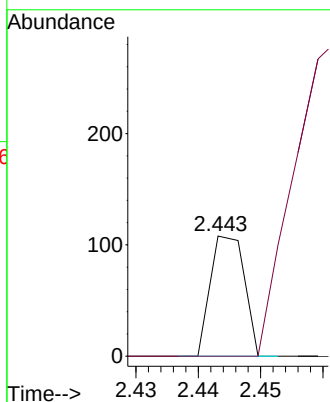
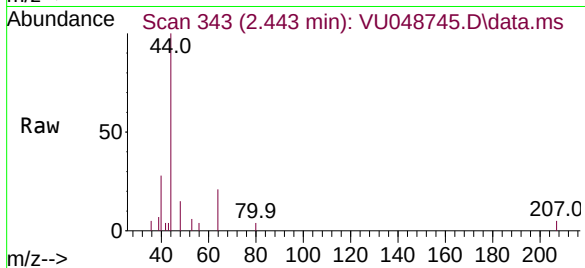
TW-8RE

Tgt Ion: 56 Resp: 41

Ion Ratio Lower Upper

56 100

55 651.2 57.7 86.5#



#16

Acetone

Concen: 3.017 ug/l

RT: 2.630 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU048745.D

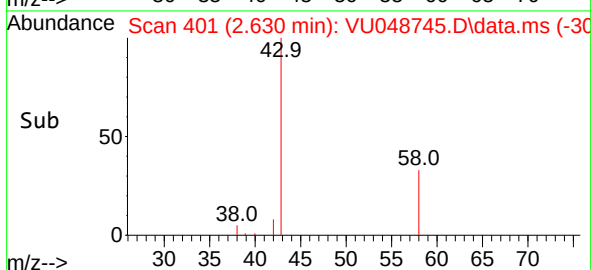
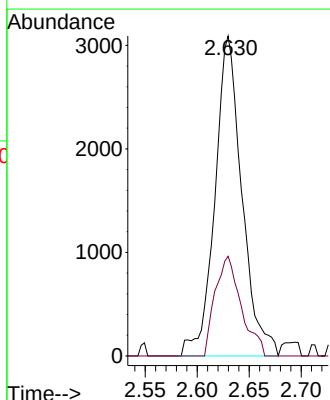
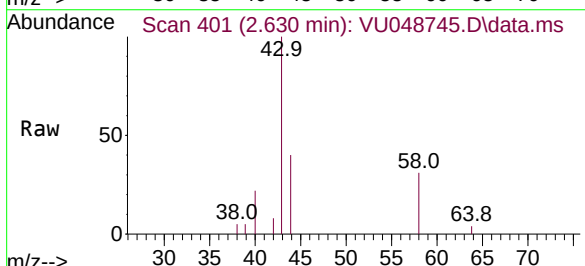
Acq: 31 May 2022 17:54

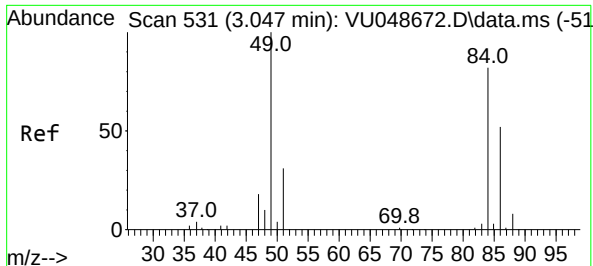
Tgt Ion: 43 Resp: 5595

Ion Ratio Lower Upper

43 100

58 31.2 26.3 39.5

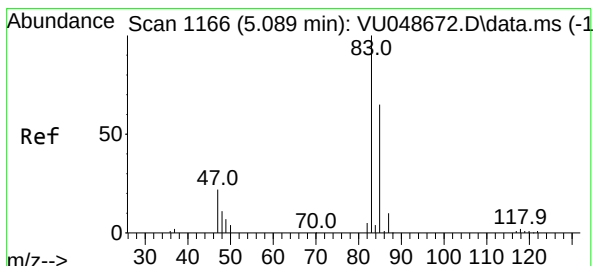
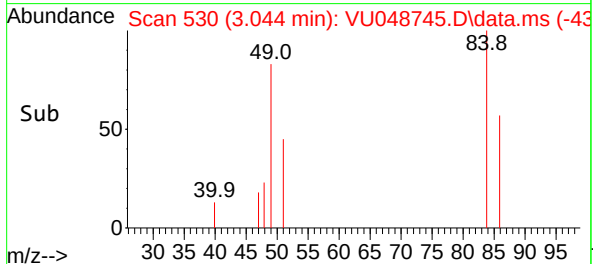
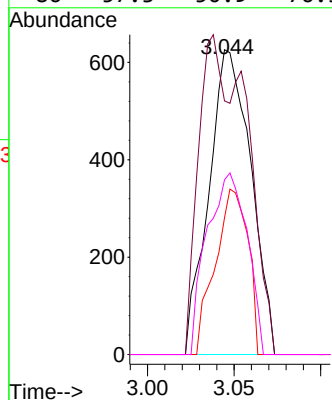
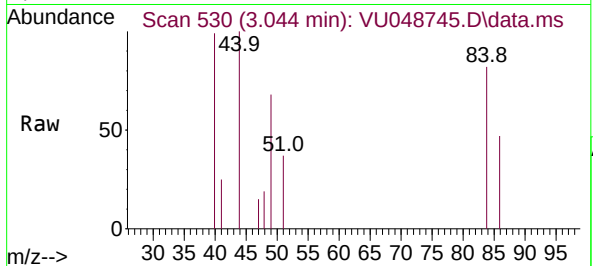




#20
Methylene Chloride
Concen: 0.335 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

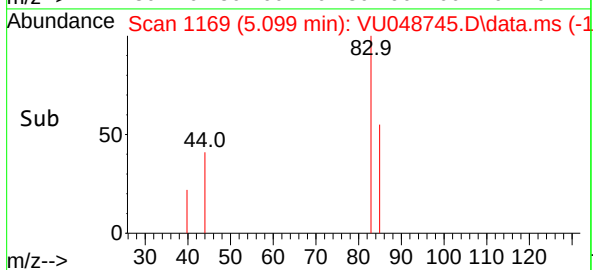
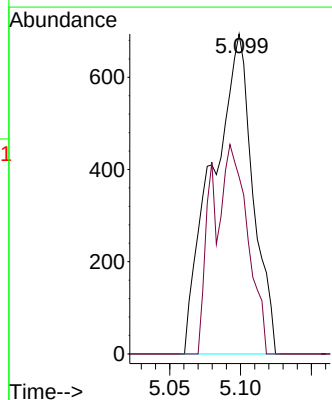
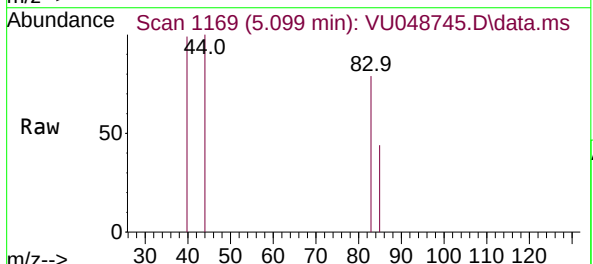
Instrument :
MSVOA_U
ClientSampleId :
TW-8RE

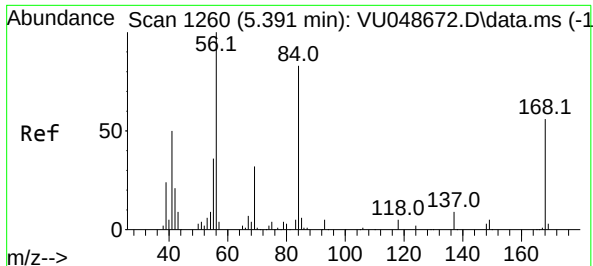
Tgt Ion: 84	Resp: 1057
Ion Ratio	Lower Upper
84 100	
49 83.2	97.0 145.4#
51 44.9	29.8 44.8#
86 57.3	50.9 76.3



#30
Chloroform
Concen: 0.249 ug/l
RT: 5.099 min Scan# 1169
Delta R.T. 0.010 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Tgt Ion: 83	Resp: 1376
Ion Ratio	Lower Upper
83 100	
85 55.3	52.2 78.2





#31

Cyclohexane

Concen: 1.067 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

TW-8RE

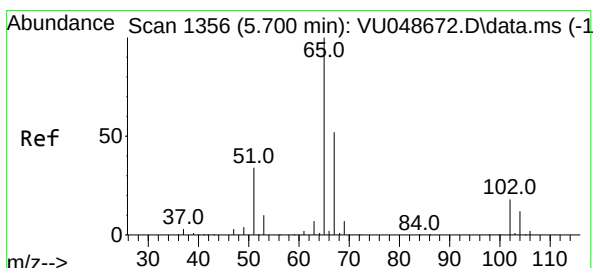
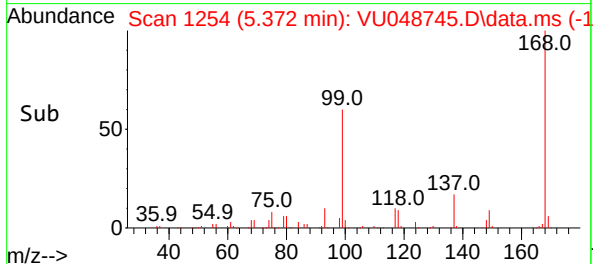
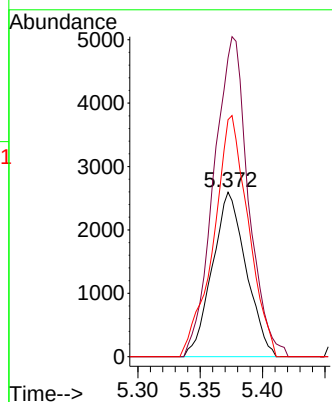
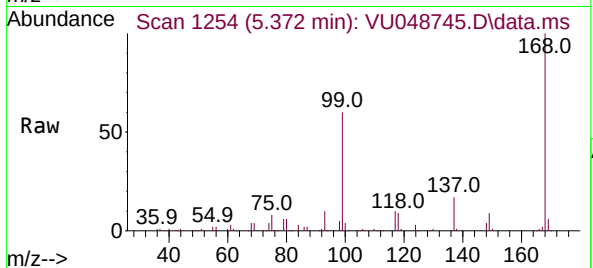
Tgt Ion: 56 Resp: 4892

Ion Ratio Lower Upper

56 100

69 181.6 25.6 38.4#

84 144.0 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 46.496 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048745.D

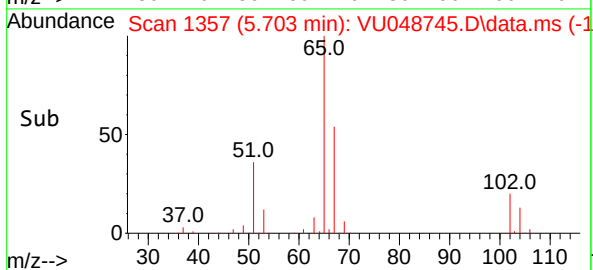
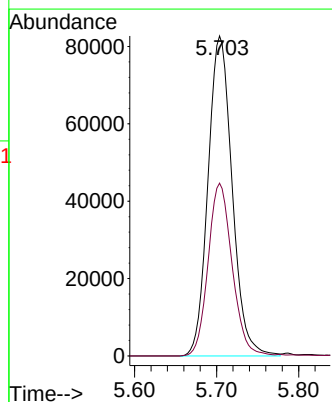
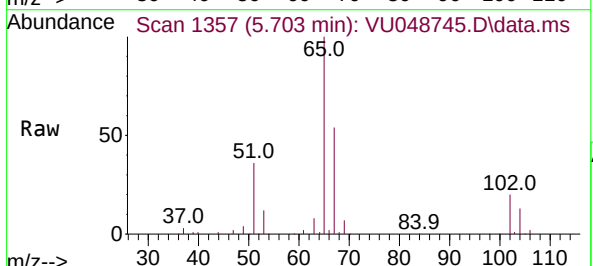
Acq: 31 May 2022 17:54

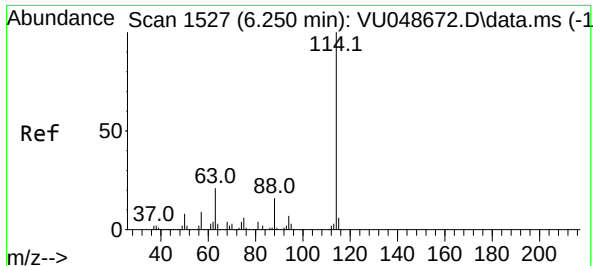
Tgt Ion: 65 Resp: 169170

Ion Ratio Lower Upper

65 100

67 53.7 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

TW-8RE

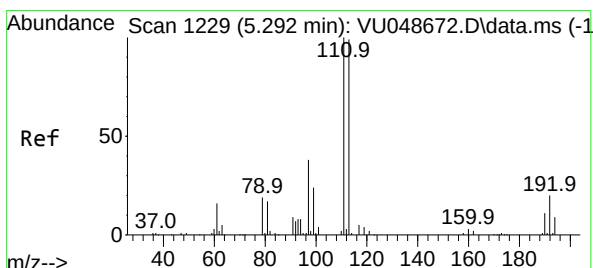
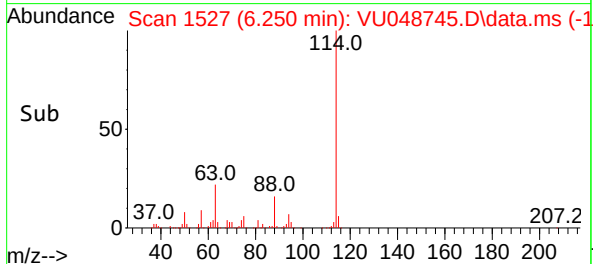
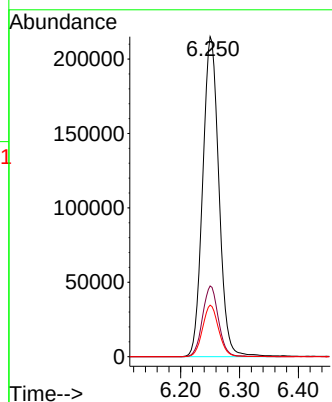
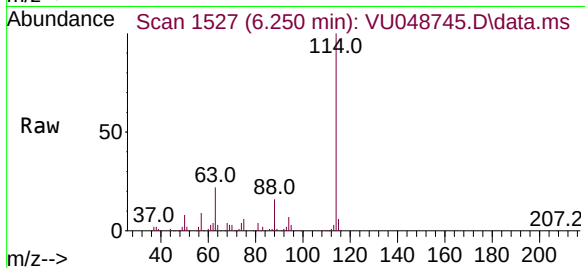
Tgt Ion:114 Resp: 411210

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.372 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

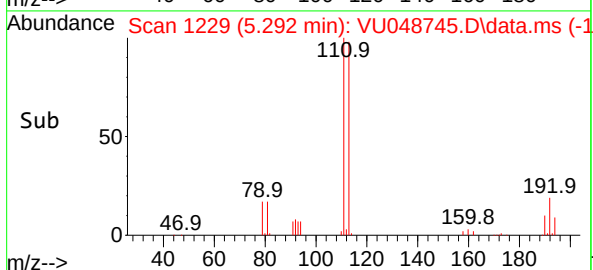
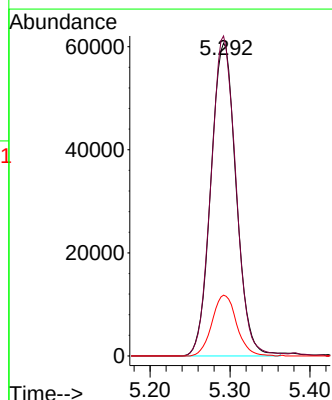
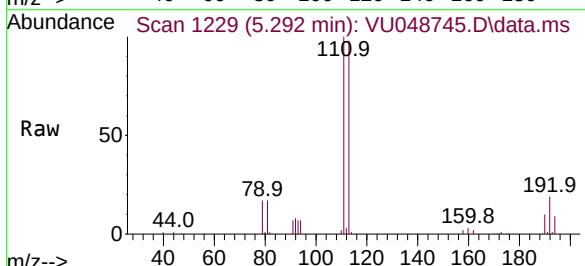
Tgt Ion:113 Resp: 133107

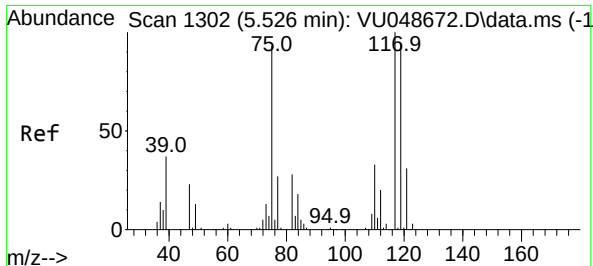
Ion Ratio Lower Upper

113 100

111 100.8 80.7 121.1

192 18.9 15.9 23.9

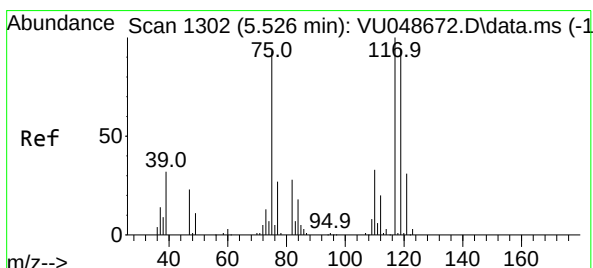
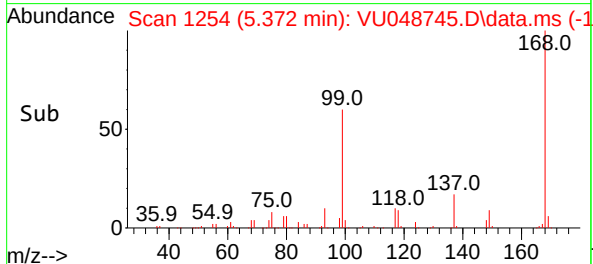
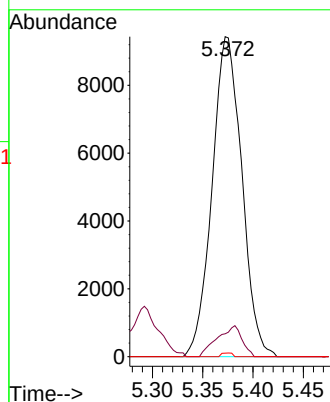
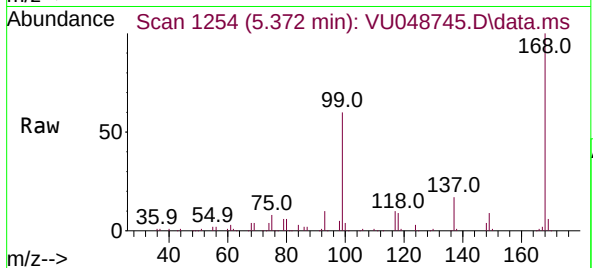




#36
1,1-Dichloropropene
Concen: 4.525 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.154 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

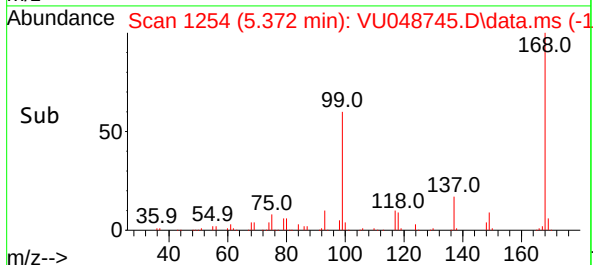
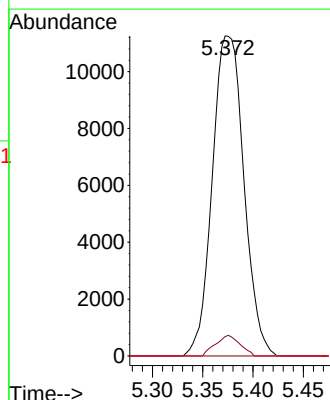
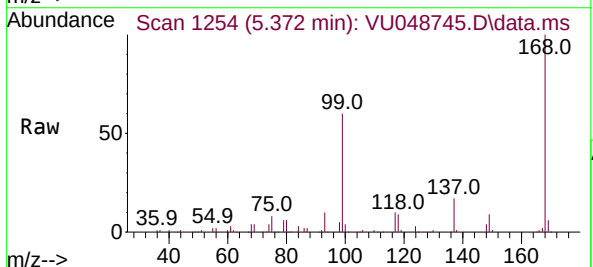
Instrument :
MSVOA_U
ClientSampleId :
TW-8RE

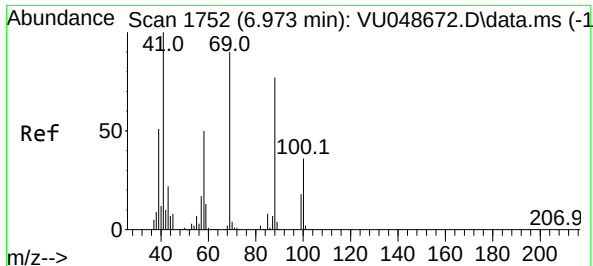
Tgt Ion: 75 Resp: 19373
Ion Ratio Lower Upper
75 100
110 8.0 17.4 52.3#
77 0.4 24.8 37.2#



#38
Carbon Tetrachloride
Concen: 5.004 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Tgt Ion: 117 Resp: 24582
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: 0.520 ug/l

RT: 6.967 min Scan# 1

Delta R.T. -0.006 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

TW-8RE

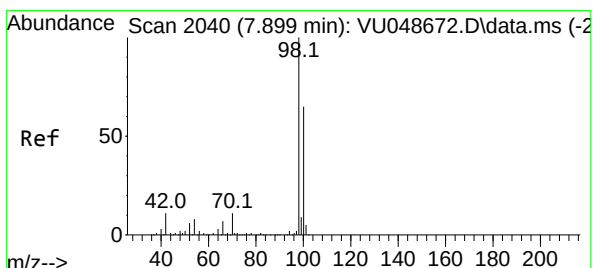
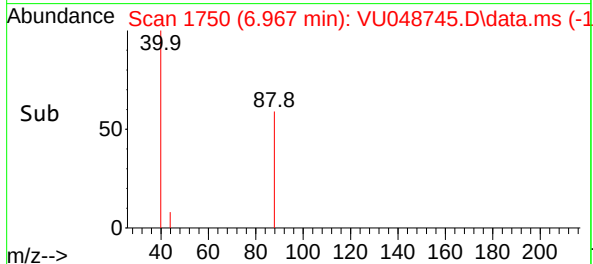
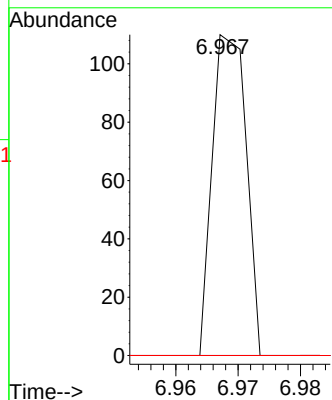
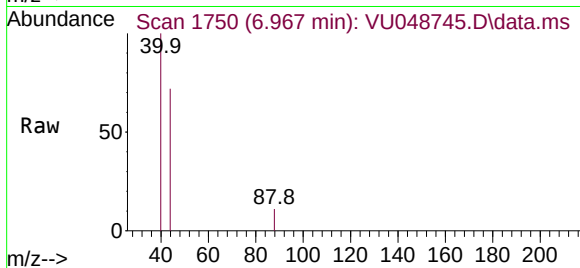
Tgt Ion: 88 Resp: 41

Ion Ratio Lower Upper

88 100

43 0.0 24.6 36.8#

58 0.0 54.7 82.1#



#50

Toluene-d8

Concen: 42.139 ug/l

RT: 7.900 min Scan# 2040

Delta R.T. 0.000 min

Lab File: VU048745.D

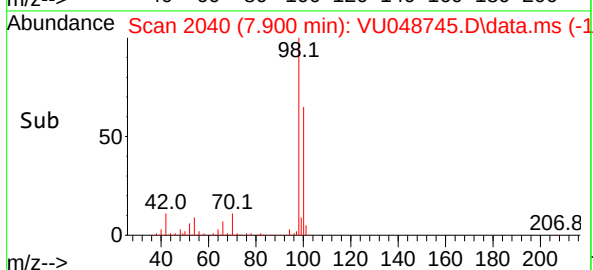
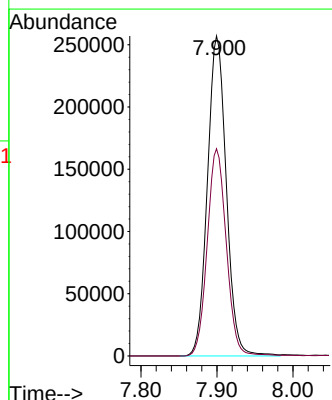
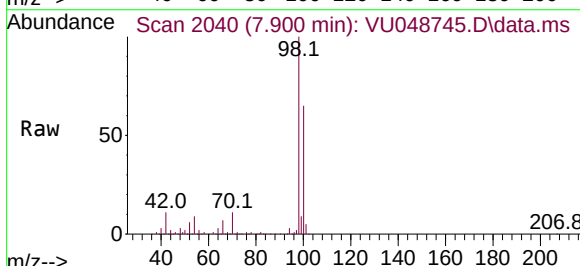
Acq: 31 May 2022 17:54

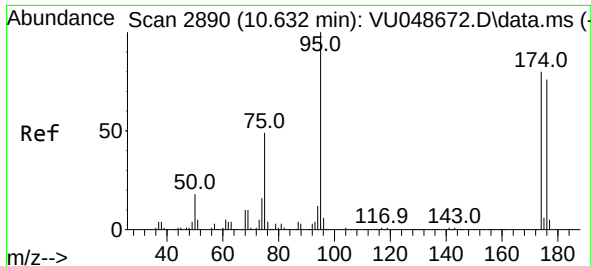
Tgt Ion: 98 Resp: 443137

Ion Ratio Lower Upper

98 100

100 65.6 52.2 78.4





#62

4-Bromofluorobenzene

Concen: 41.478 ug/l

RT: 10.636 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

Instrument :

MSVOA_U

ClientSampleId :

TW-8RE

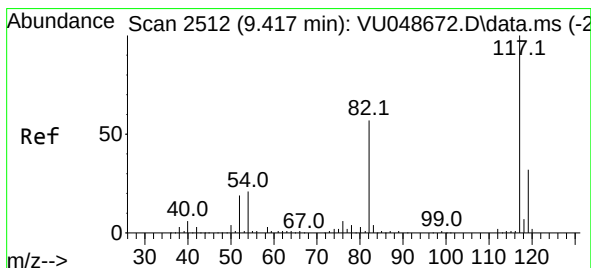
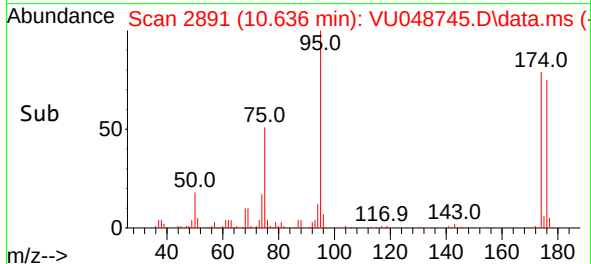
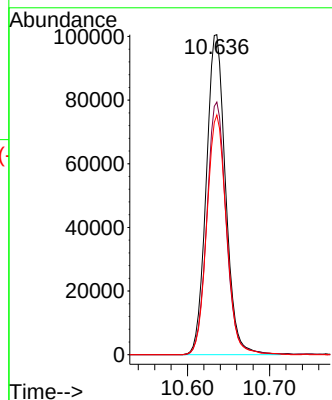
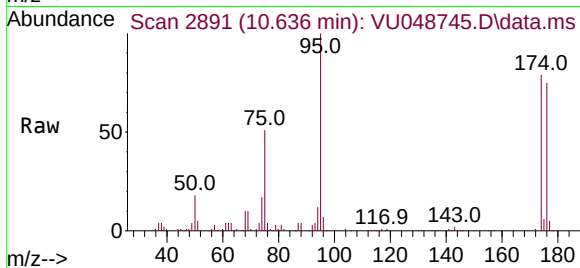
Tgt Ion: 95 Resp: 164962

Ion Ratio Lower Upper

95 100

174 79.0 0.0 159.4

176 75.9 0.0 152.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 9.420 min Scan# 2513

Delta R.T. 0.003 min

Lab File: VU048745.D

Acq: 31 May 2022 17:54

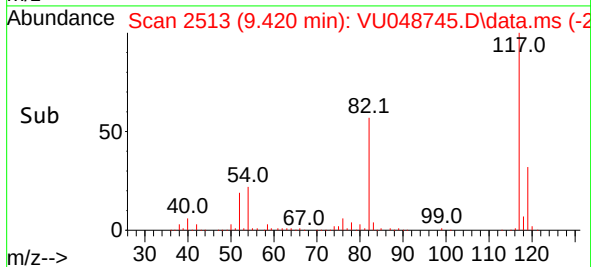
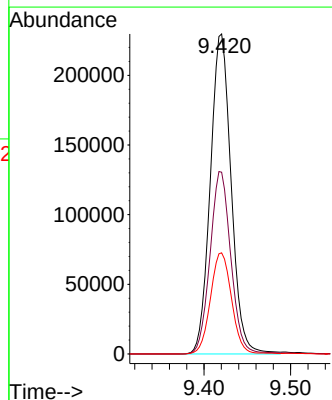
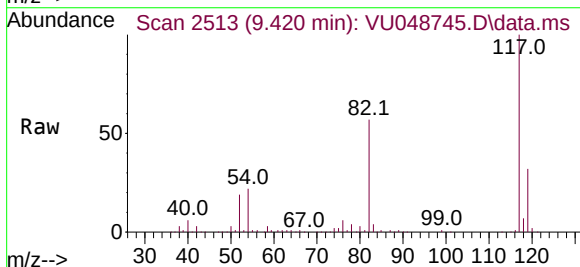
Tgt Ion: 117 Resp: 384460

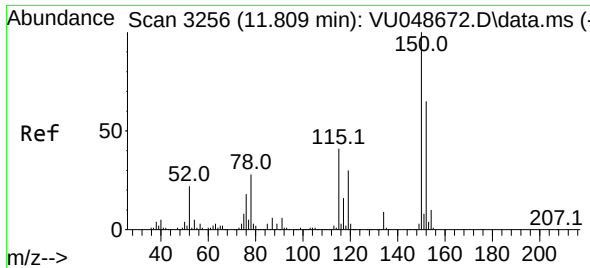
Ion Ratio Lower Upper

117 100

82 56.8 45.3 67.9

119 31.6 25.4 38.2

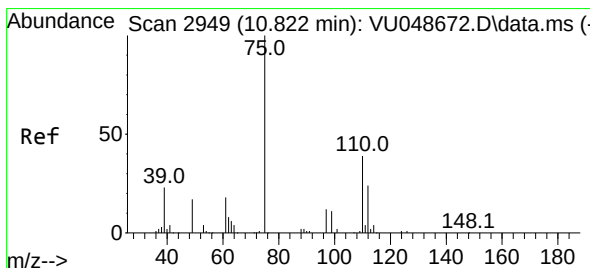
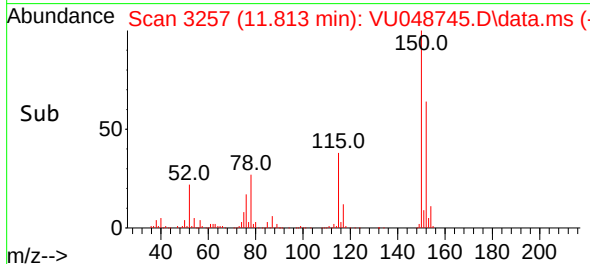
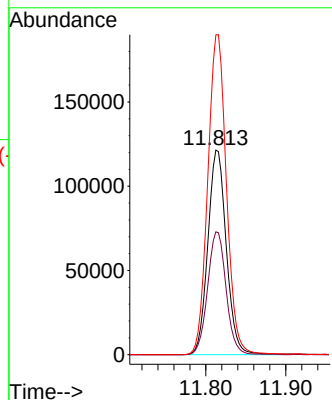
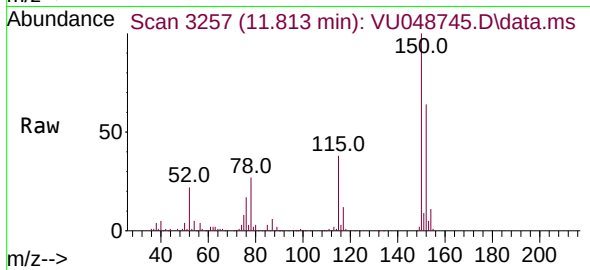




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.813 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048745.D
 Acq: 31 May 2022 17:54

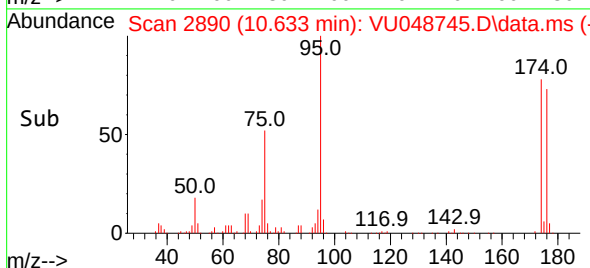
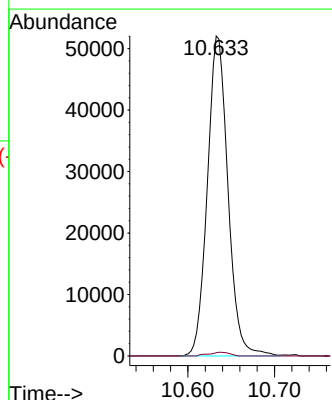
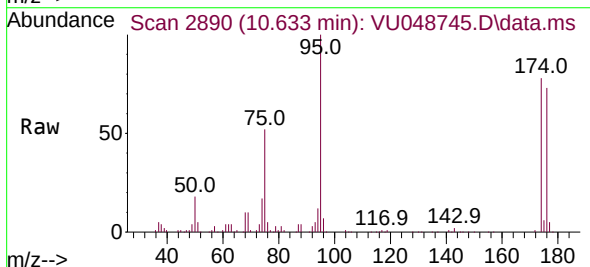
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-8RE

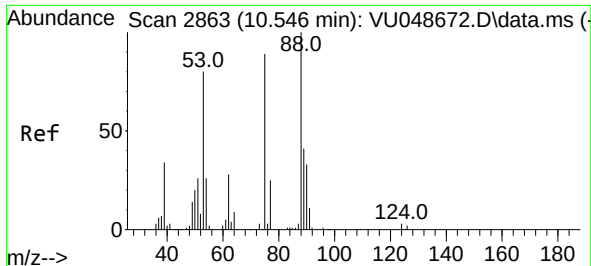
Tgt Ion:152 Resp: 195167
 Ion Ratio Lower Upper
 152 100
 115 60.3 41.8 125.4
 150 158.5 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 13.657 ug/l
 RT: 10.633 min Scan# 2890
 Delta R.T. -0.189 min
 Lab File: VU048745.D
 Acq: 31 May 2022 17:54

Tgt Ion: 75 Resp: 85938
 Ion Ratio Lower Upper
 75 100
 77 1.2 14.8 44.3#

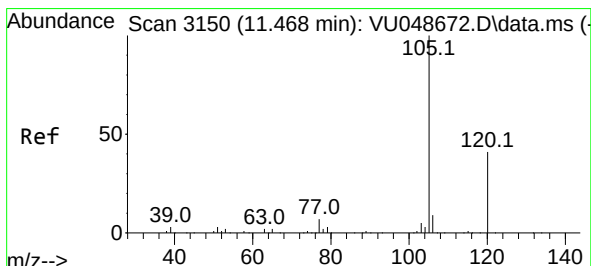
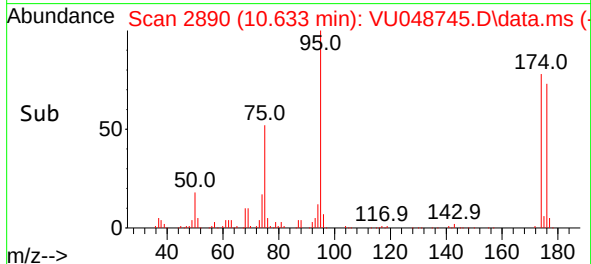
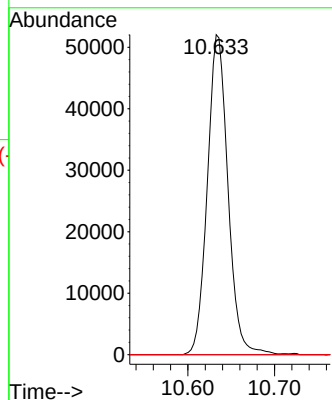
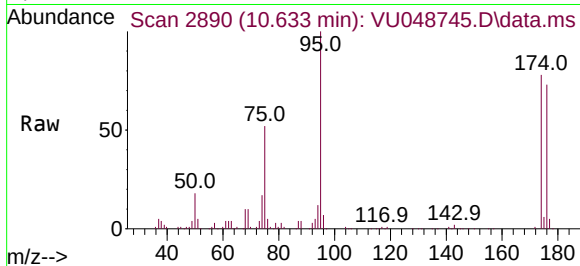




#81
 trans-1,4-Dichloro-2-butene
 Concen: 49.586 ug/l
 RT: 10.633 min Scan# 2863
 Delta R.T. 0.087 min
 Lab File: VU048745.D
 Acq: 31 May 2022 17:54

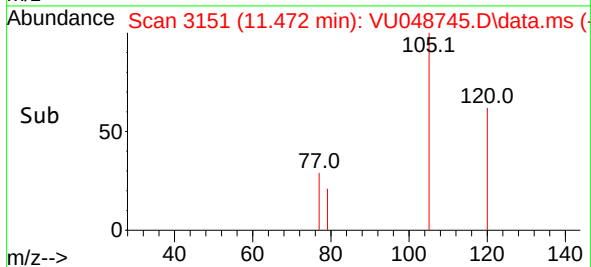
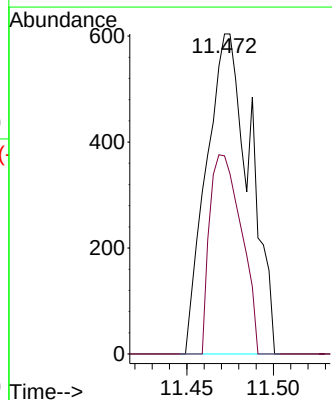
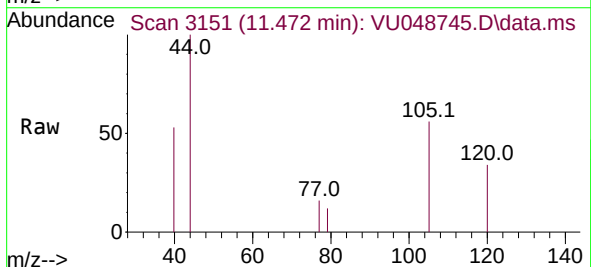
Instrument :
 MSVOA_U
 ClientSampleId :
 TW-8RE

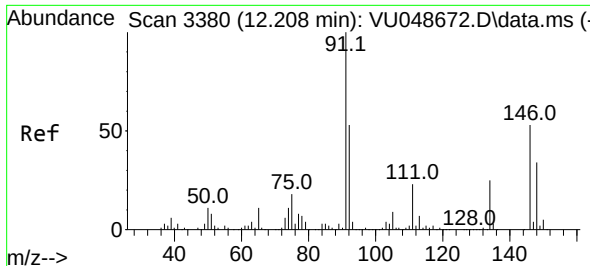
Tgt Ion: 75 Resp: 85938
 Ion Ratio Lower Upper
 75 100
 53 0.0 72.5 108.7#
 89 0.0 37.0 55.4#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.274 ug/l
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.004 min
 Lab File: VU048745.D
 Acq: 31 May 2022 17:54

Tgt Ion: 105 Resp: 1058
 Ion Ratio Lower Upper
 105 100
 120 45.3 22.5 67.5

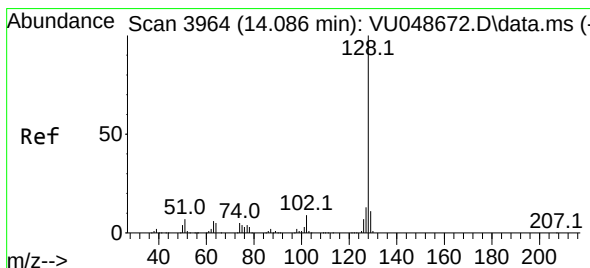
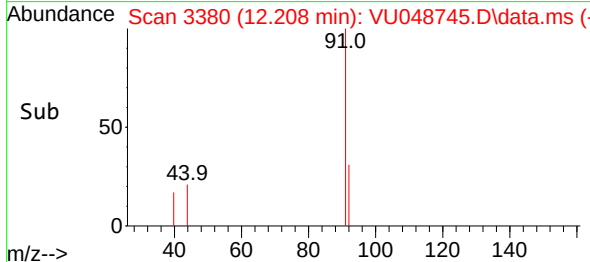
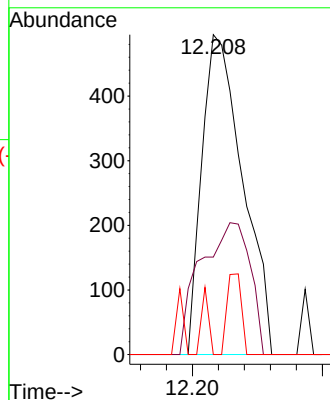
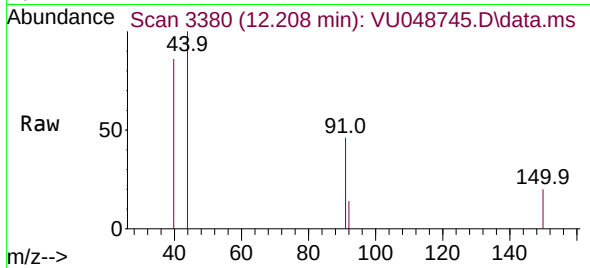




#89
n-Butylbenzene
Concen: 2.231 ug/l
RT: 12.208 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Instrument :
MSVOA_U
ClientSampleId :
TW-8RE

Tgt Ion: 91 Resp: 542
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 3.7 12.5 37.5#



#95
Naphthalene
Concen: 3.139 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048745.D
Acq: 31 May 2022 17:54

Tgt Ion: 128 Resp: 9811
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 7.7 8.7 13.1#

