

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048713.D
 Acq On : 28 May 2022 00:04
 Operator : SY/MD
 Sample : N3033-01
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4

Quant Time: May 30 02:57:20 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)

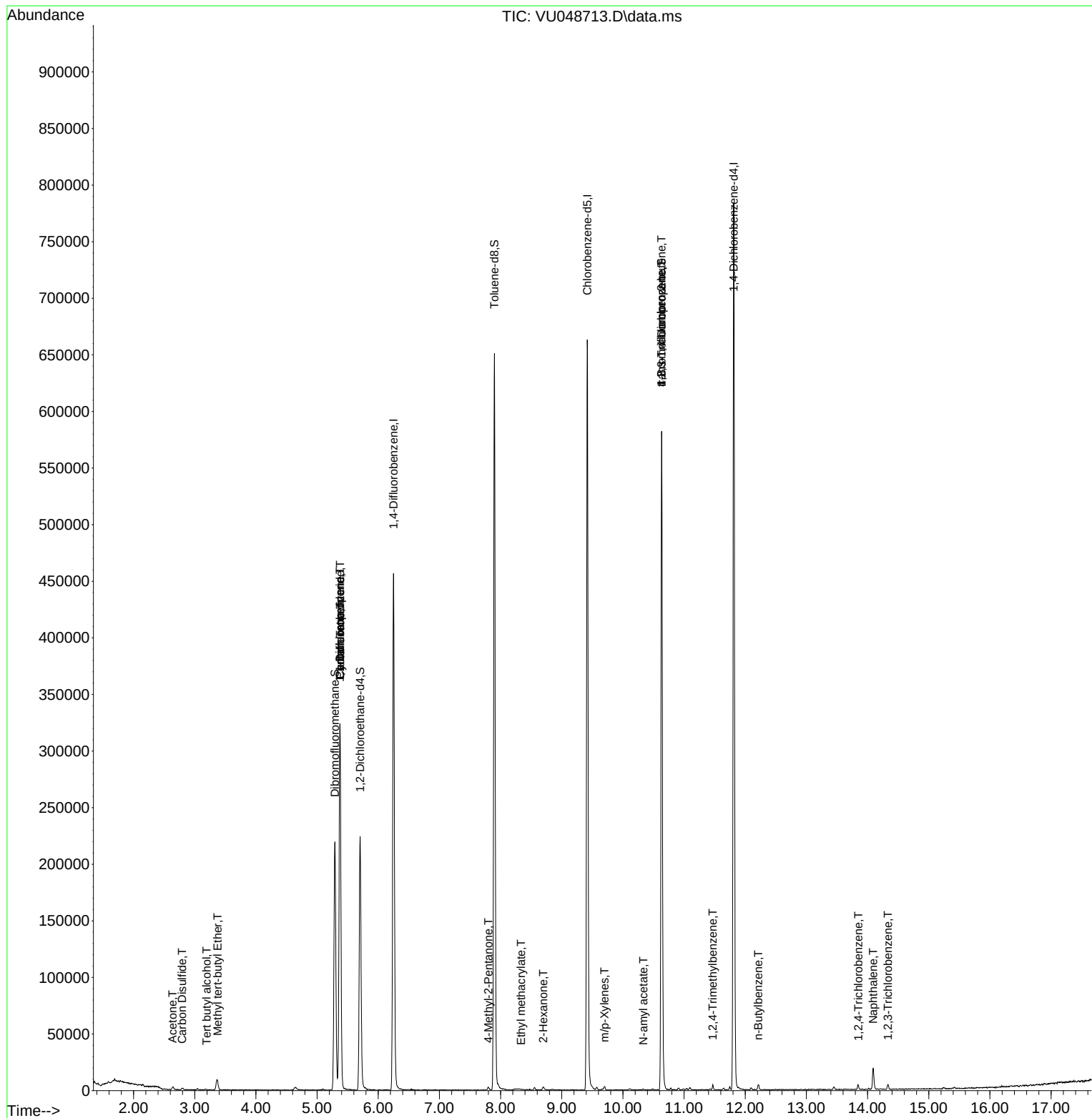
Internal Standards						
1) Pentafluorobenzene	5.375	168	219583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	372038	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	379798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	209424	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	170808	51.796	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.600%			
35) Dibromofluoromethane	5.292	113	146099	55.044	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.080%			
50) Toluene-d8	7.899	98	438648	46.104	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.200%			
62) 4-Bromofluorobenzene	10.632	95	198530	55.174	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.340%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.858	94	128	Below Cal	#	3
6) Chloroethane	1.964	64	244	Below Cal		93
11) Tert butyl alcohol	3.195	59	212	0.254 ug/l	#	28
13) Acrolein	2.485	56	96	Below Cal	#	14
16) Acetone	2.639	43	3221	1.917 ug/l		97
17) Carbon Disulfide	2.793	76	1734	0.266 ug/l	#	90
19) Methyl tert-butyl Ether	3.372	73	10055	1.186 ug/l		98
31) Cyclohexane	5.375	56	4634	1.115 ug/l	#	1
36) 1,1-Dichloropropene	5.372	75	18317	4.728 ug/l	#	50
38) Carbon Tetrachloride	5.375	117	22814	5.133 ug/l	#	16
51) 4-Methyl-2-Pentanone	7.800	43	2332	0.505 ug/l		87
56) Ethyl methacrylate	8.336	69	89	2.631 ug/l	#	31
59) 2-Hexanone	8.697	43	2723	0.719 ug/l		89
64) Tetrachloroethene	8.552	164	462	Below Cal	#	84
68) m/p-Xylenes	9.700	106	1100	0.208 ug/l		97
74) N-amyl acetate	10.333	43	662	2.559 ug/l	#	77
76) 1,2,3-Trichloropropane	10.632	75	99374	14.717 ug/l	#	47
81) trans-1,4-Dichloro-2-b...	10.632	75	99374	53.435 ug/l	#	13
84) 1,2,4-Trimethylbenzene	11.468	105	2469	1.377 ug/l		95
89) n-Butylbenzene	12.211	91	2143	2.354 ug/l		92
93) 1,2,4-Trichlorobenzene	13.847	180	1717	0.364 ug/l		92
95) Naphthalene	14.092	128	17355	3.532 ug/l		98
96) 1,2,3-Trichlorobenzene	14.333	180	1882	0.403 ug/l		88

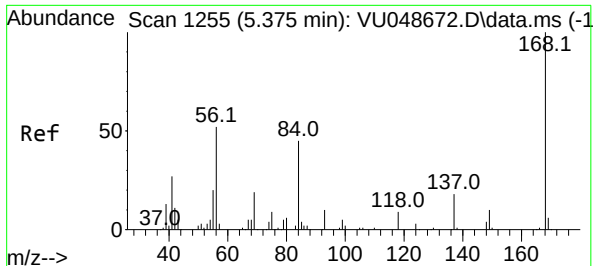
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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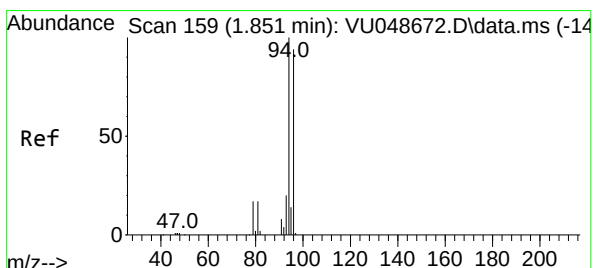
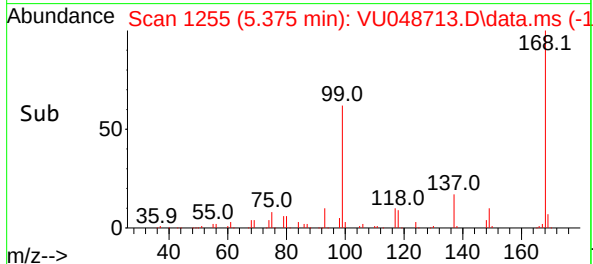
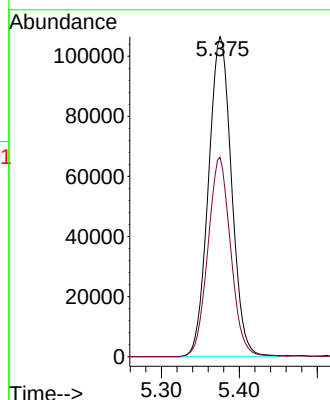
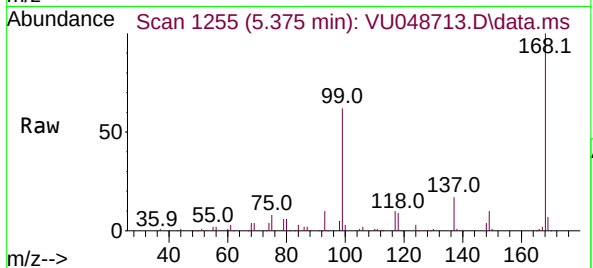




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

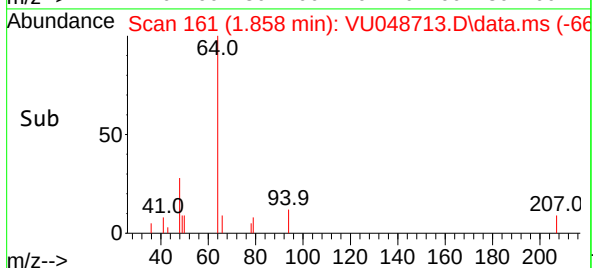
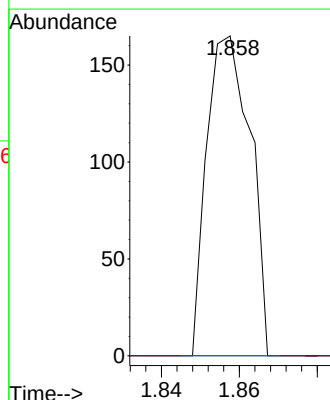
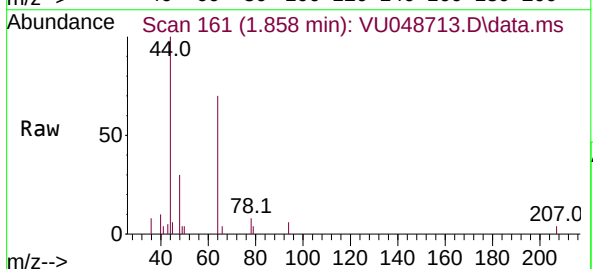
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MSVOA_U
ClientSampleId :
TW-4

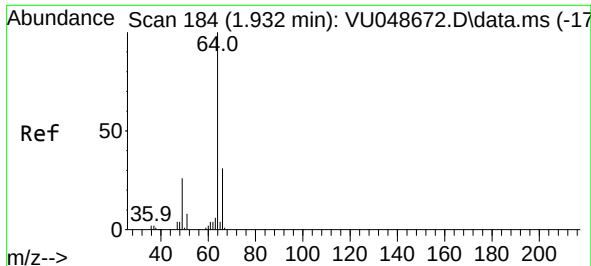
Tgt Ion:168 Resp: 219583
Ion Ratio Lower Upper
168 100
99 62.3 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.858 min Scan# 161
Delta R.T. 0.007 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 94 Resp: 128
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

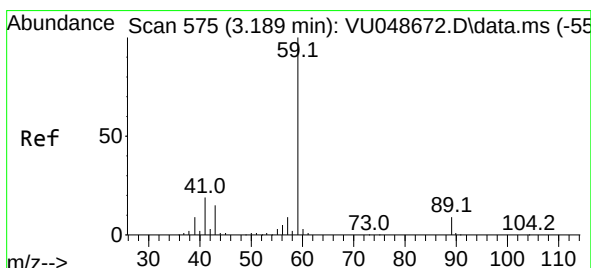
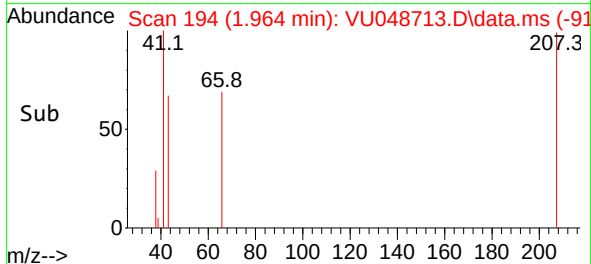
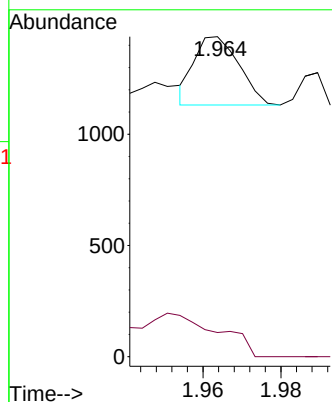
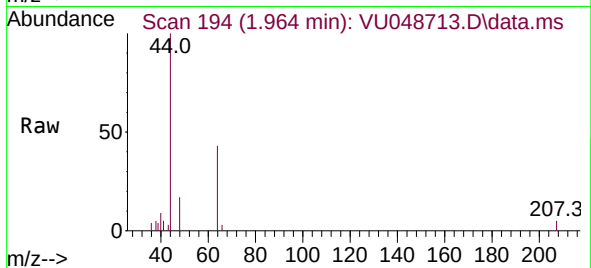




#6
Chloroethane
Concen: Below Cal
RT: 1.964 min Scan# 194
Delta R.T. 0.032 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

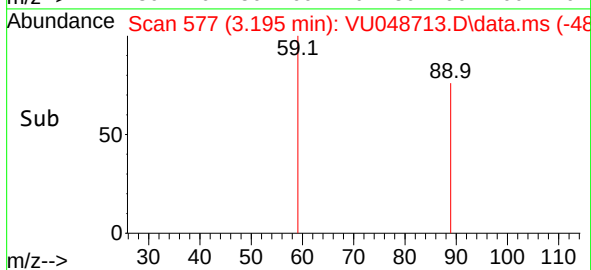
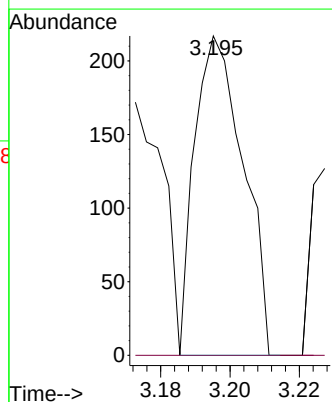
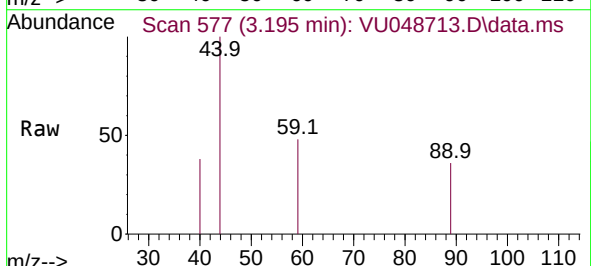
Instrument :
MSVOA_U
ClientSampleId :
TW-4

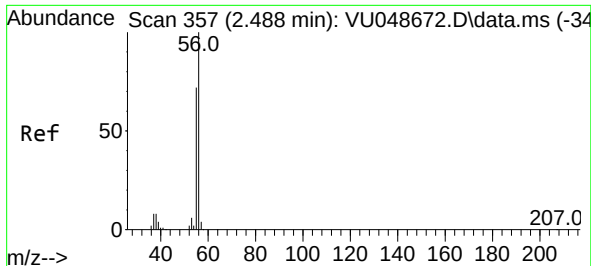
Tgt Ion: 64 Resp: 244
Ion Ratio Lower Upper
64 100
66 35.5 25.2 37.8



#11
Tert butyl alcohol
Concen: 0.254 ug/l
RT: 3.195 min Scan# 577
Delta R.T. 0.006 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

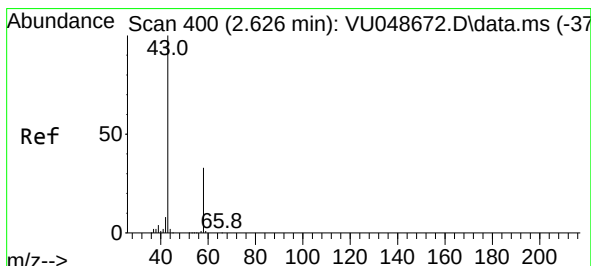
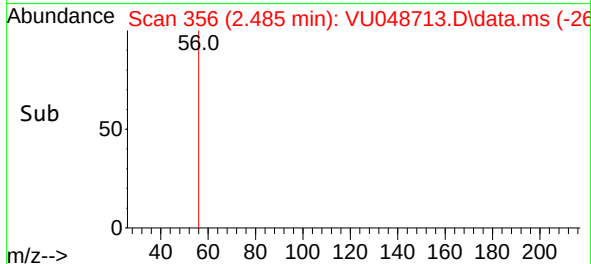
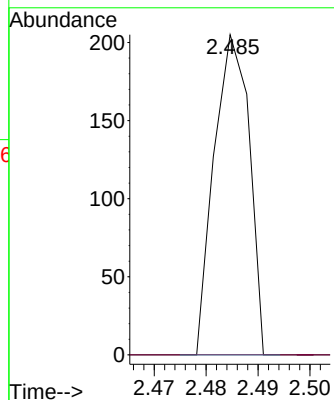
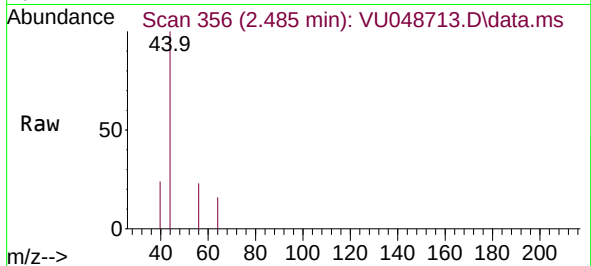




#13
Acrolein
Concen: Below Cal
RT: 2.485 min Scan# 31
Delta R.T. -0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

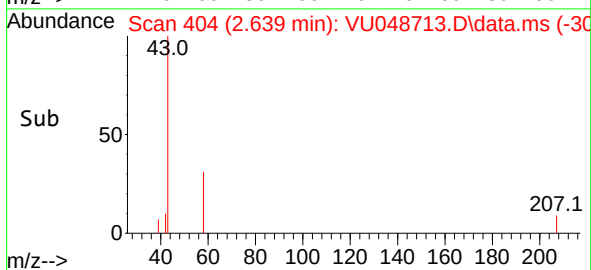
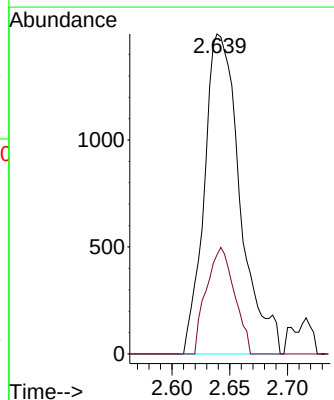
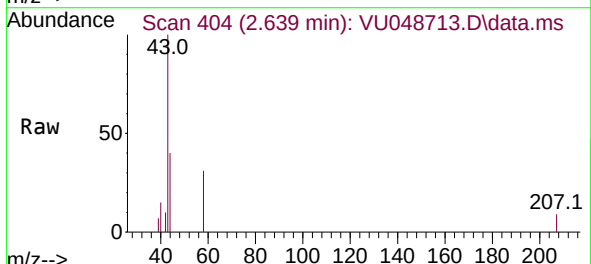
Instrument :
MSVOA_U
ClientSampleId :
TW-4

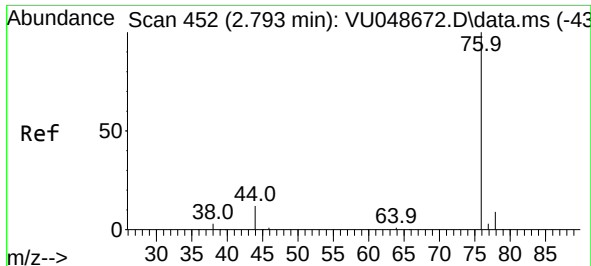
Tgt Ion: 56 Resp: 96
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 1.917 ug/l
RT: 2.639 min Scan# 404
Delta R.T. 0.013 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 43 Resp: 3221
Ion Ratio Lower Upper
43 100
58 31.0 26.3 39.5





#17

Carbon Disulfide

Concen: 0.266 ug/l

RT: 2.793 min Scan# 41

Delta R.T. -0.000 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

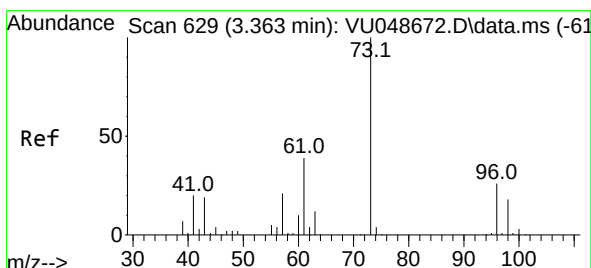
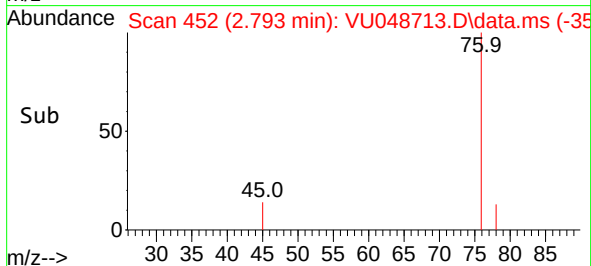
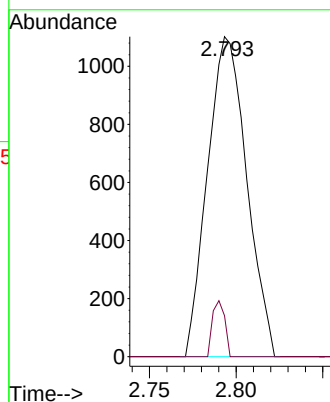
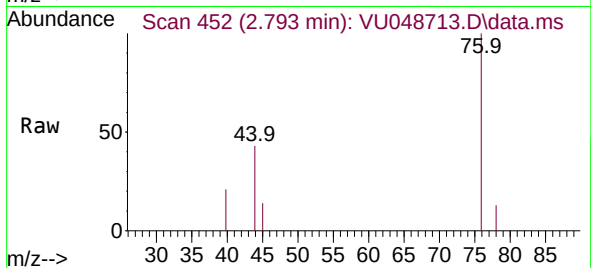
TW-4

Tgt Ion: 76 Resp: 1734

Ion Ratio Lower Upper

76 100

78 12.8 7.3 10.9#



#19

Methyl tert-butyl Ether

Concen: 1.186 ug/l

RT: 3.372 min Scan# 632

Delta R.T. 0.010 min

Lab File: VU048713.D

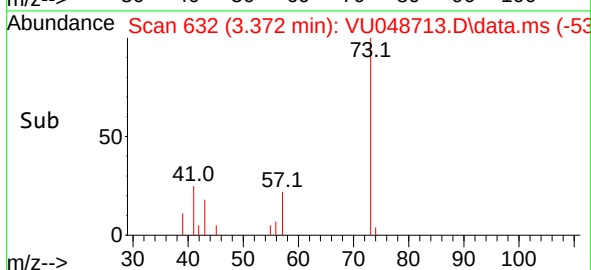
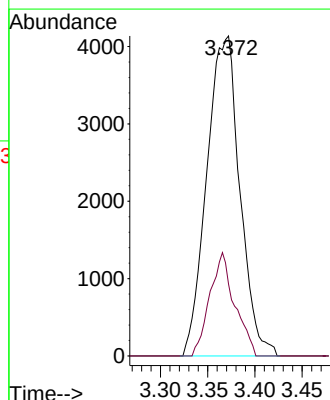
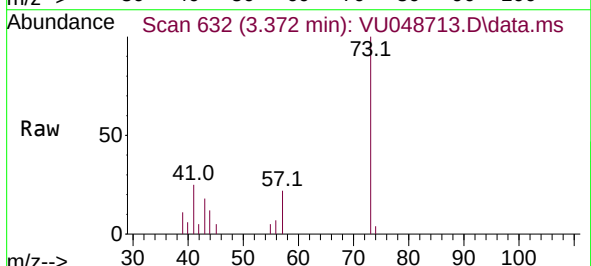
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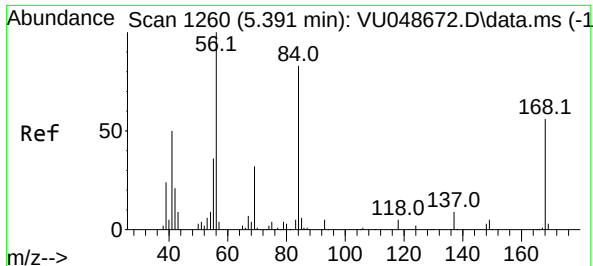
Tgt Ion: 73 Resp: 10055

Ion Ratio Lower Upper

73 100

57 22.5 17.1 25.7

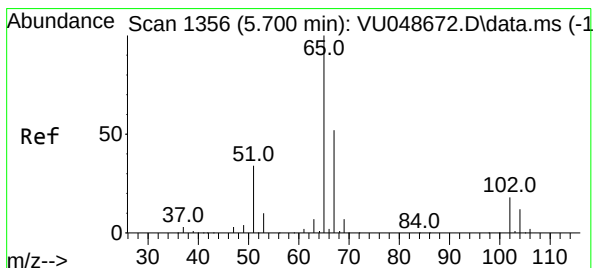
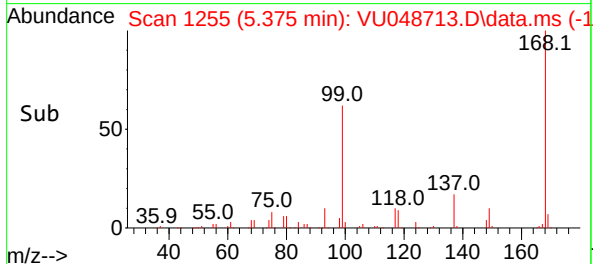
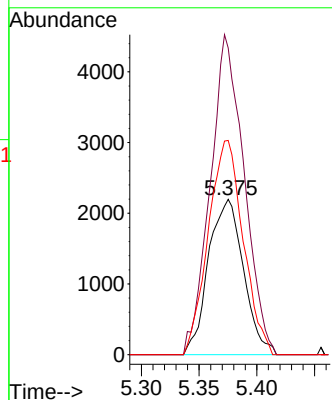
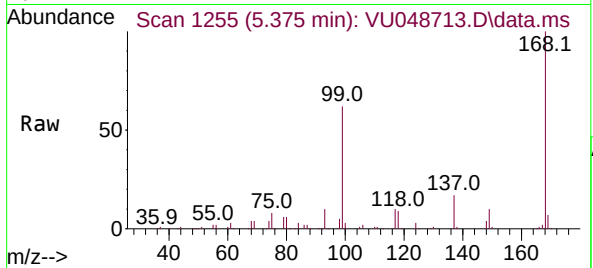




#31
Cyclohexane
Concen: 1.115 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

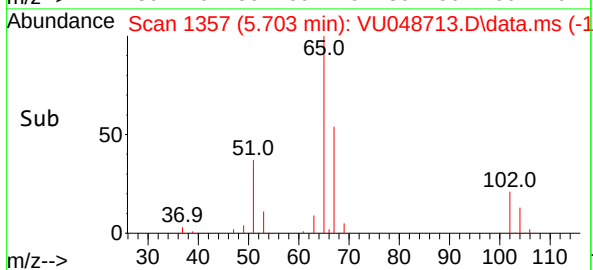
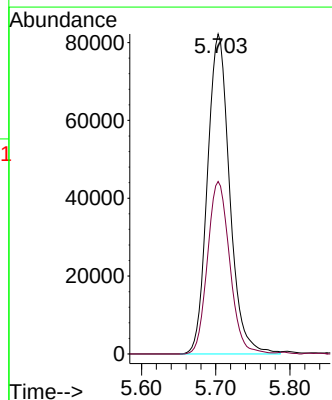
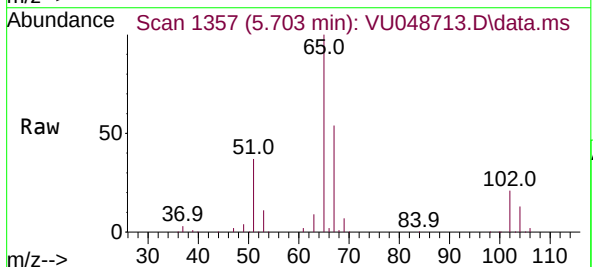
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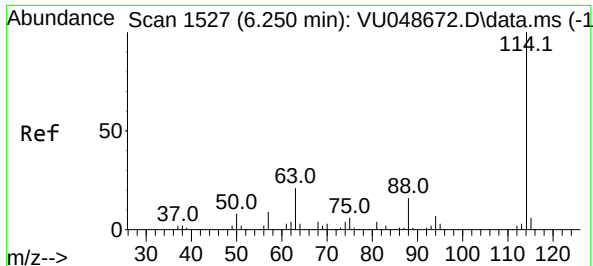
Tgt Ion: 56 Resp: 4634
Ion Ratio Lower Upper
56 100
69 197.5 25.6 38.4#
84 137.9 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 51.796 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 65 Resp: 170808
Ion Ratio Lower Upper
65 100
67 53.9 0.0 103.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

TW-4

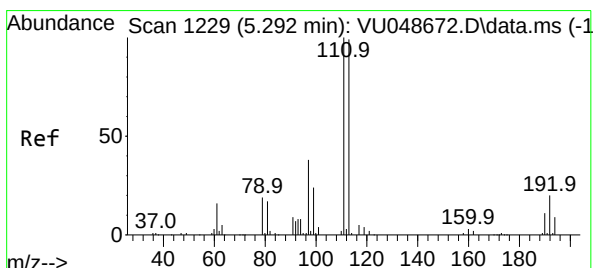
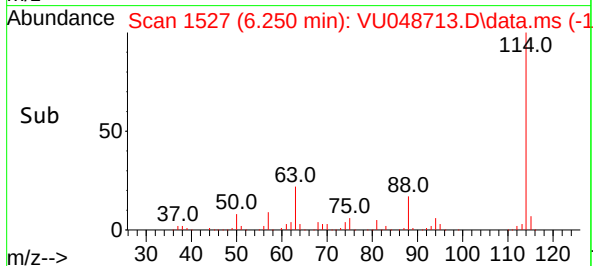
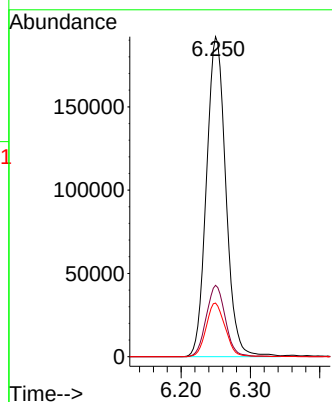
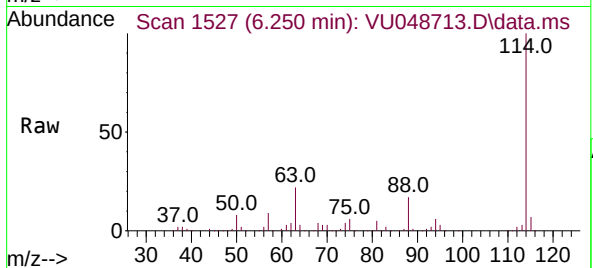
Tgt Ion:114 Resp: 372038

Ion Ratio Lower Upper

114 100

63 22.3 0.0 42.6

88 16.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 55.044 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

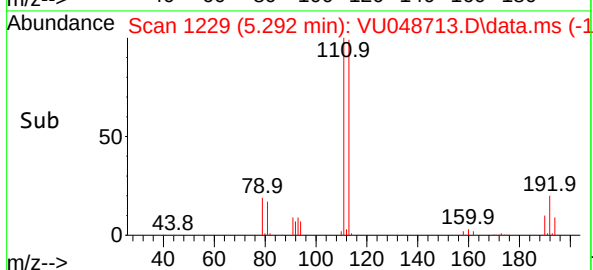
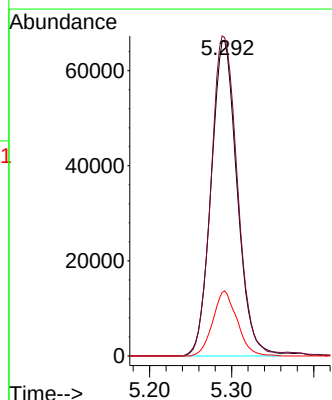
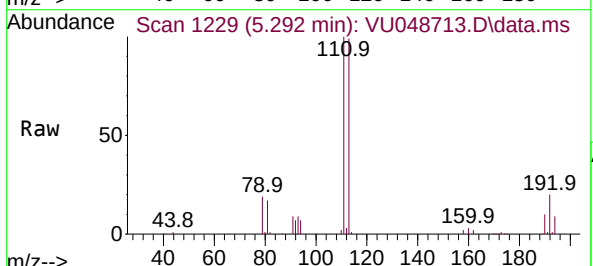
Tgt Ion:113 Resp: 146099

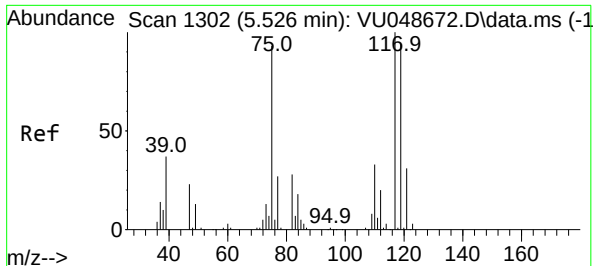
Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 19.3 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.728 ug/l

RT: 5.372 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

Instrument :

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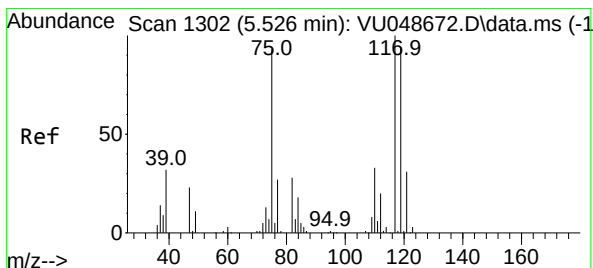
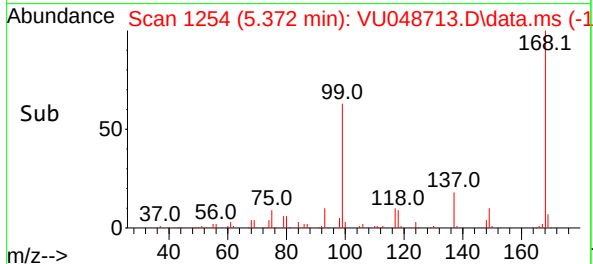
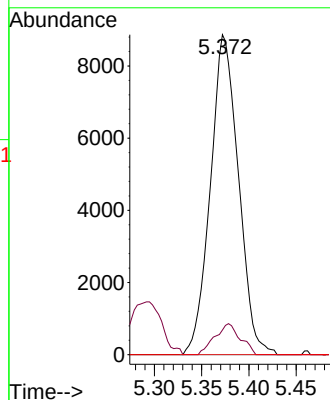
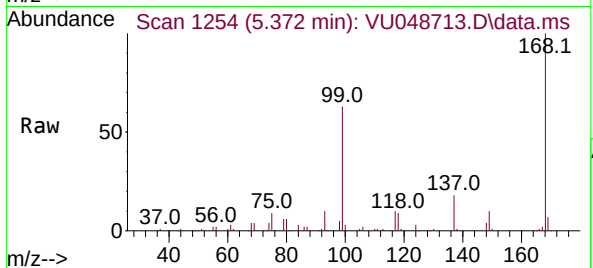
Tgt Ion: 75 Resp: 18317

Ion Ratio Lower Upper

75 100

110 8.7 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.133 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

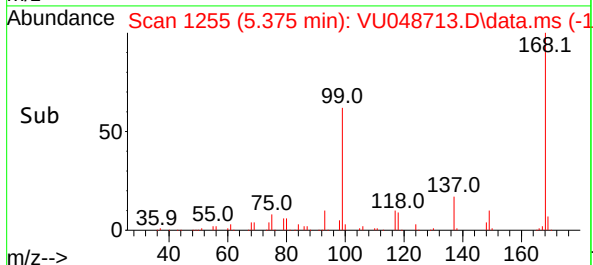
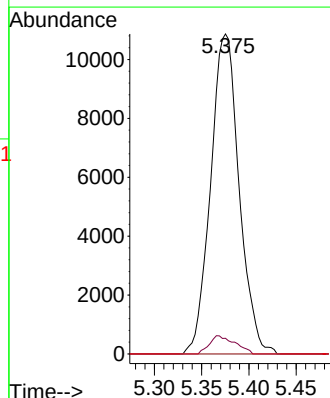
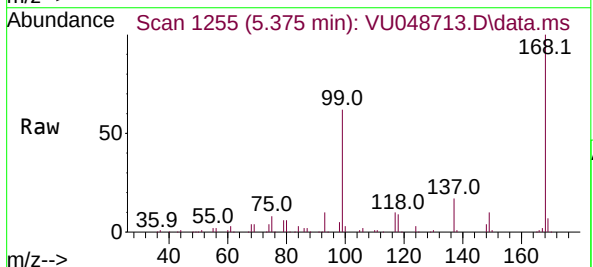
Tgt Ion: 117 Resp: 22814

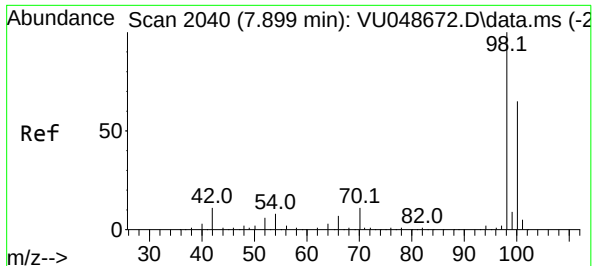
Ion Ratio Lower Upper

117 100

119 4.9 75.4 113.2#

121 0.0 24.6 36.8#





#50

Toluene-d8

Concen: 46.104 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU048713.D

Acq: 28 May 2022 00:04

Instrument :

MSVOA_U

ClientSampleId :

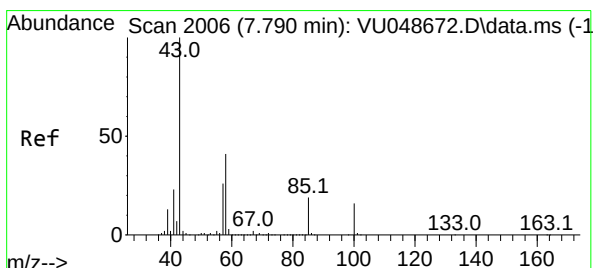
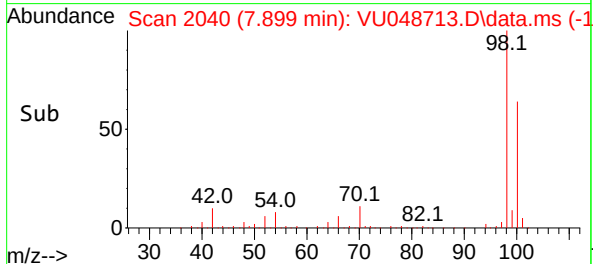
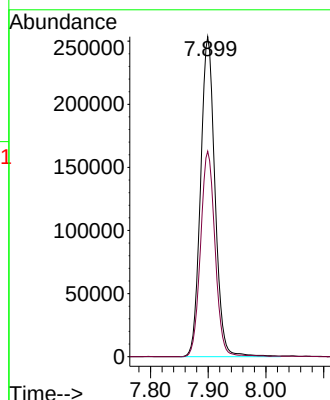
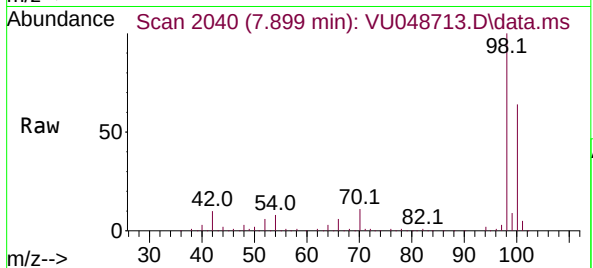
TW-4

Tgt Ion: 98 Resp: 438648

Ion Ratio Lower Upper

98 100

100 64.5 52.2 78.4



#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 7.800 min Scan# 2009

Delta R.T. 0.010 min

Lab File: VU048713.D

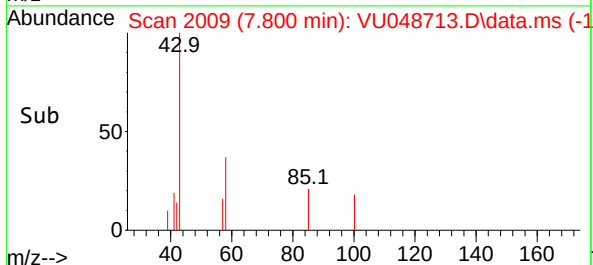
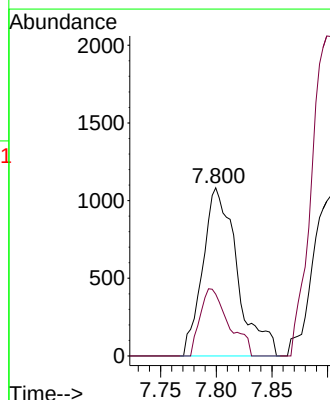
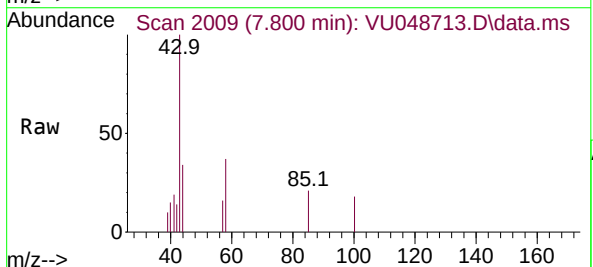
Acq: 28 May 2022 00:04

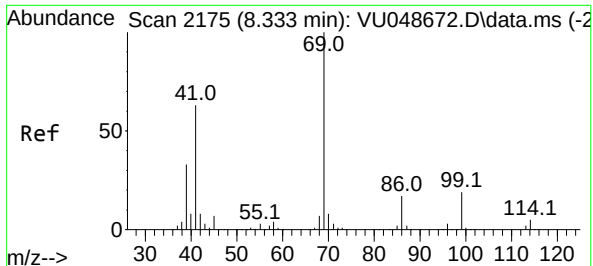
Tgt Ion: 43 Resp: 2332

Ion Ratio Lower Upper

43 100

58 32.9 32.7 49.1

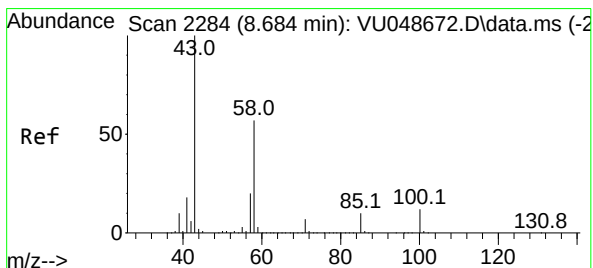
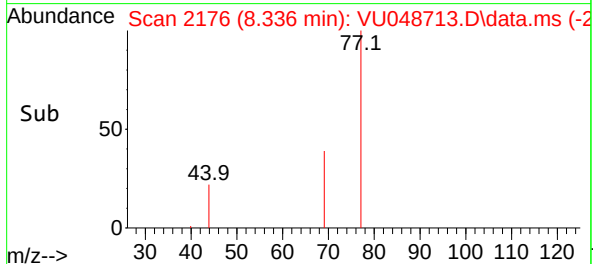
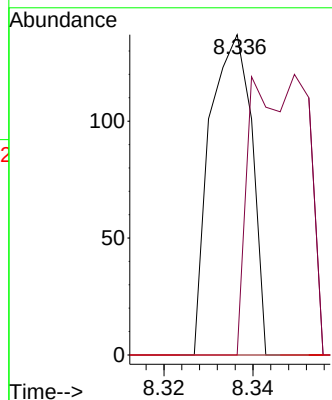
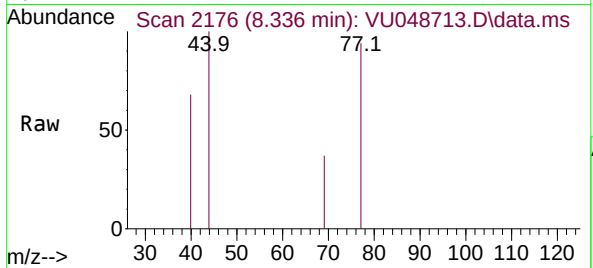




#56
Ethyl methacrylate
Concen: 2.631 ug/l
RT: 8.336 min Scan# 2175
Delta R.T. 0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

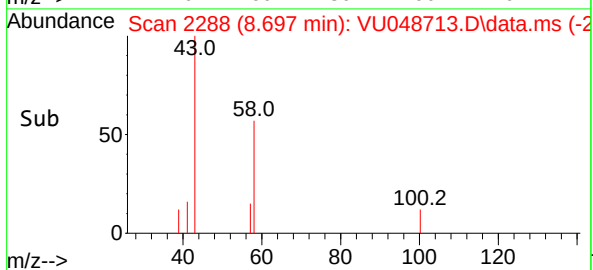
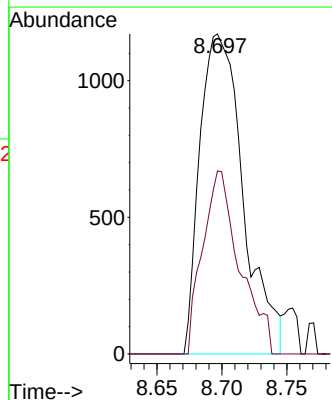
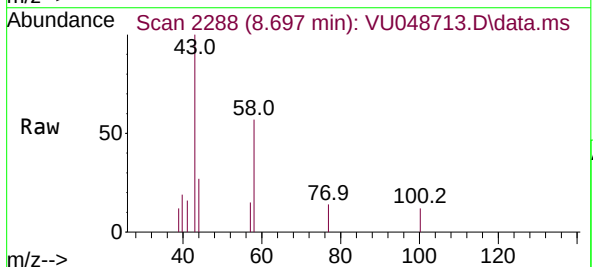
Instrument :
MSVOA_U
ClientSampleId :
TW-4

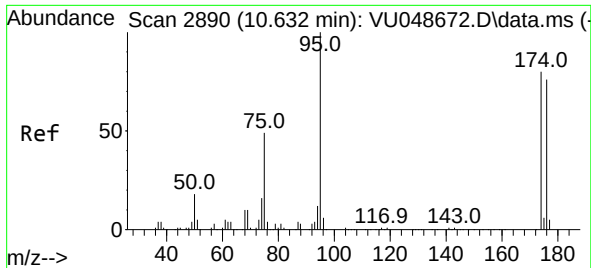
Tgt Ion: 69 Resp: 89
Ion Ratio Lower Upper
69 100
41 121.3 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.719 ug/l
RT: 8.697 min Scan# 2288
Delta R.T. 0.013 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 43 Resp: 2723
Ion Ratio Lower Upper
43 100
58 48.7 28.2 84.6

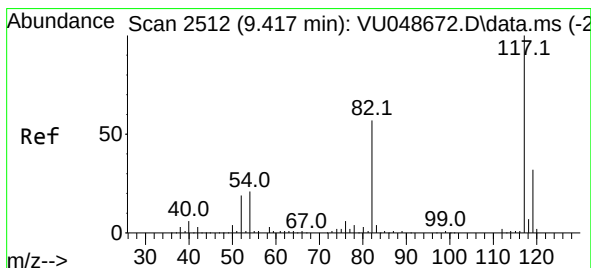
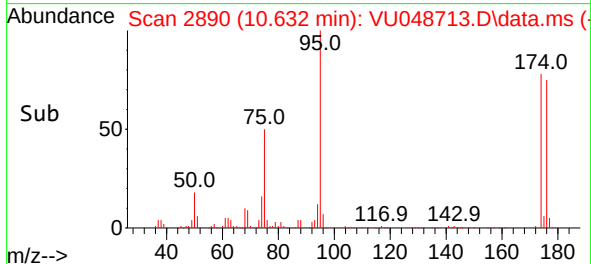
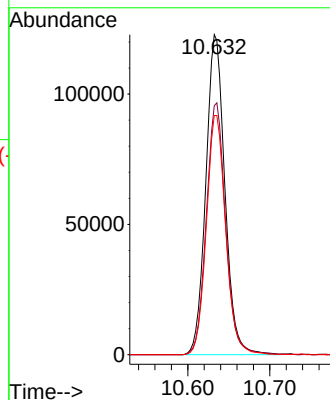
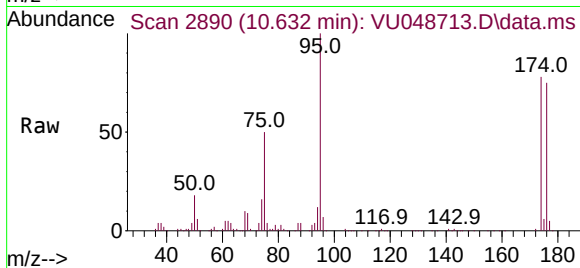




#62
4-Bromofluorobenzene
Concen: 55.174 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

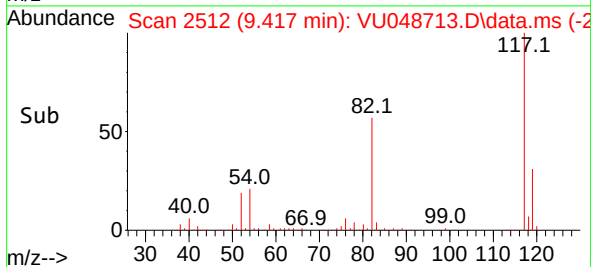
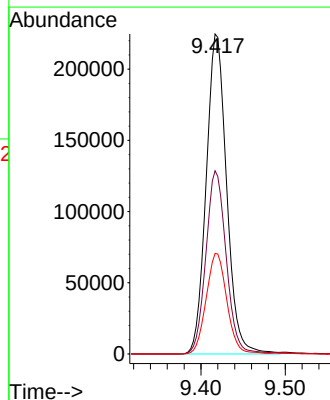
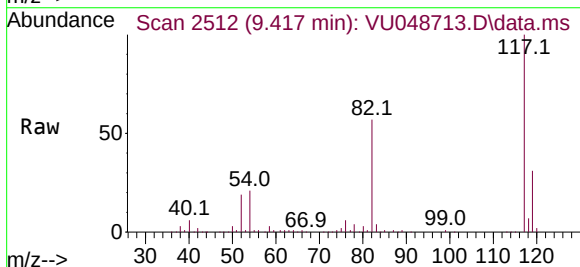
Instrument : MSVOA_U
ClientSampleId : TW-4

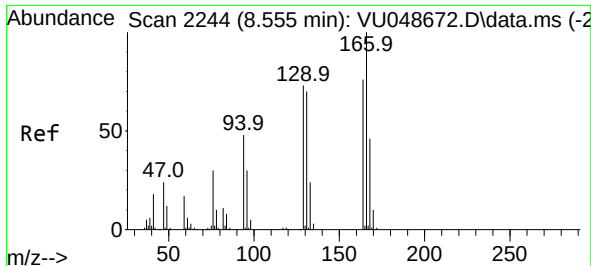
Tgt Ion: 95 Resp: 198530
Ion Ratio Lower Upper
95 100
174 79.8 0.0 159.4
176 75.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 117 Resp: 379798
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 31.4 25.4 38.2

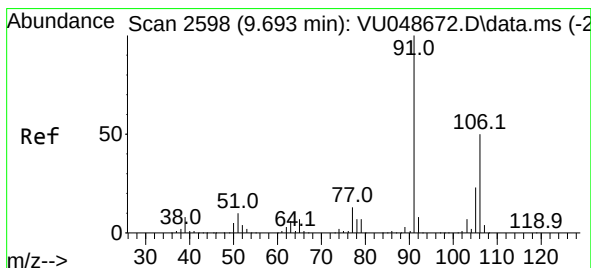
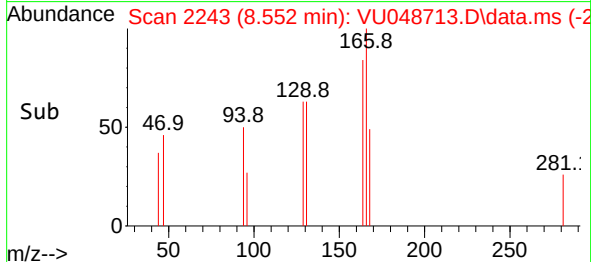
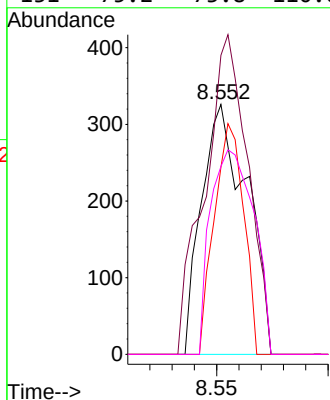
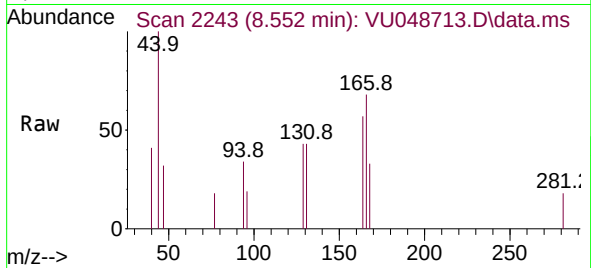




#64
Tetrachloroethene
Concen: Below Cal
RT: 8.552 min Scan# 211
Delta R.T. -0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

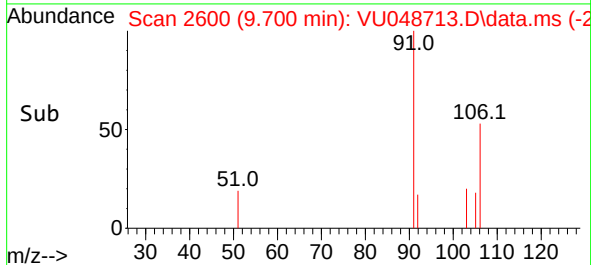
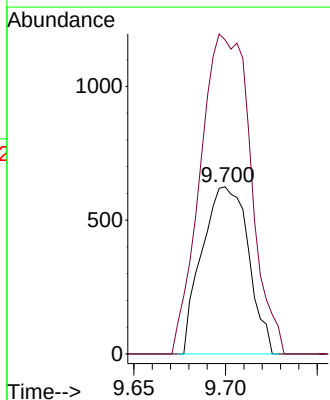
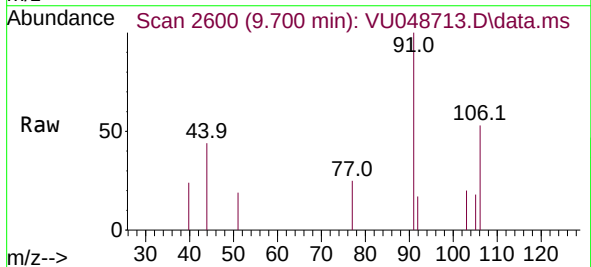
Instrument :
MSVOA_U
ClientSampleId :
TW-4

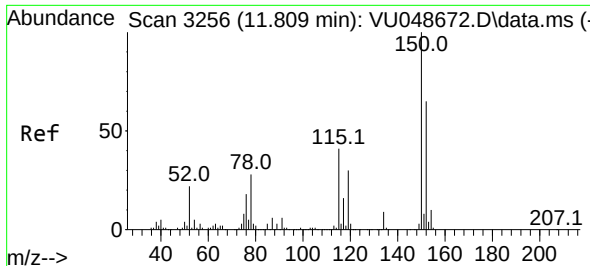
Tgt Ion:164	Resp:	462
Ion	Ratio	Lower Upper
164	100	
166	119.6	105.0 157.4
129	74.8	76.5 114.7#
131	75.2	73.8 110.6



#68
m/p-Xylenes
Concen: 0.208 ug/l
RT: 9.700 min Scan# 2600
Delta R.T. 0.006 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion:106	Resp:	1100
Ion	Ratio	Lower Upper
106	100	
91	208.0	162.4 243.6

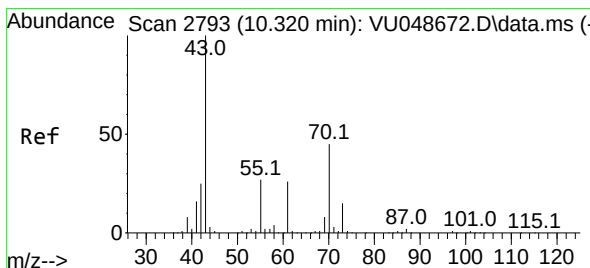
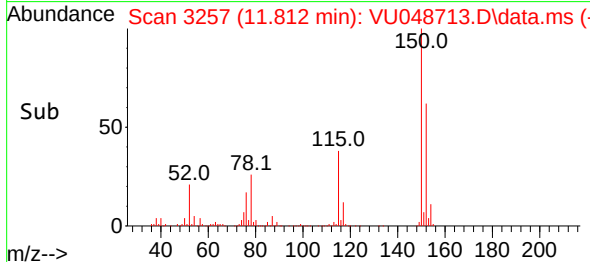
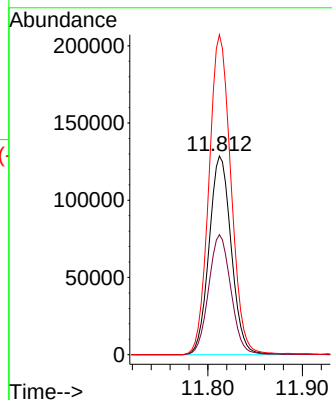
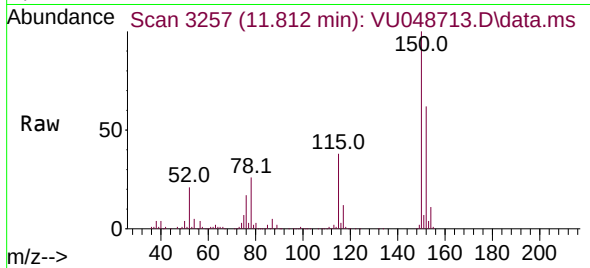




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

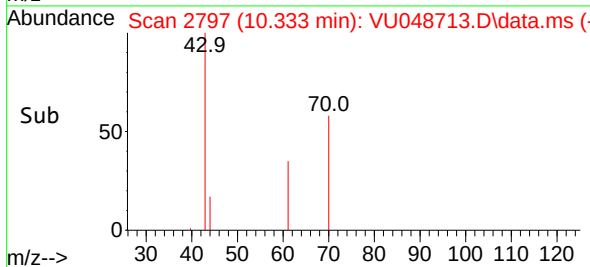
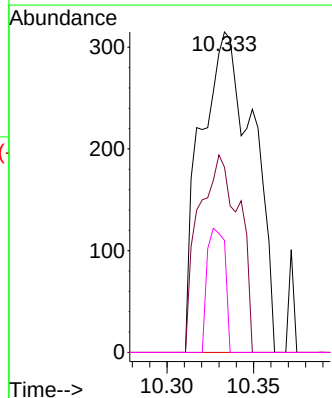
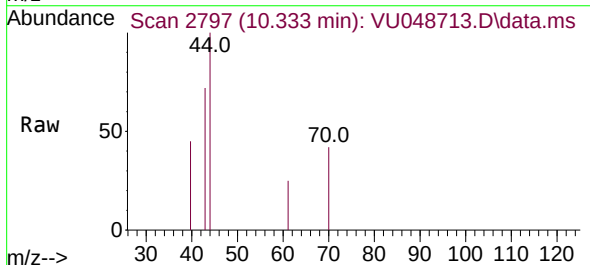
Instrument :
MSVOA_U
ClientSampleId :
TW-4

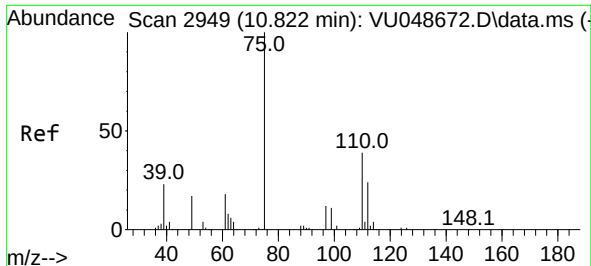
Tgt Ion:152 Resp: 209424
Ion Ratio Lower Upper
152 100
115 60.9 41.8 125.4
150 160.1 0.0 341.0



#74
N-ethyl acetate
Concen: 2.559 ug/l
RT: 10.333 min Scan# 2797
Delta R.T. 0.013 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 43 Resp: 662
Ion Ratio Lower Upper
43 100
70 47.7 35.8 53.6
55 0.0 21.1 31.7#
61 13.1 20.2 30.4#

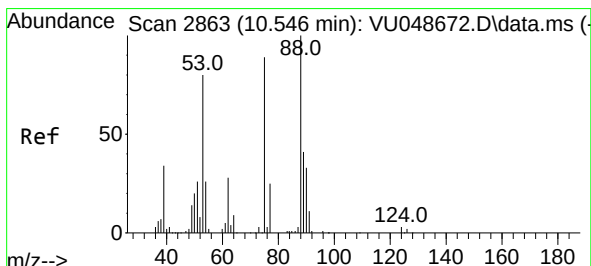
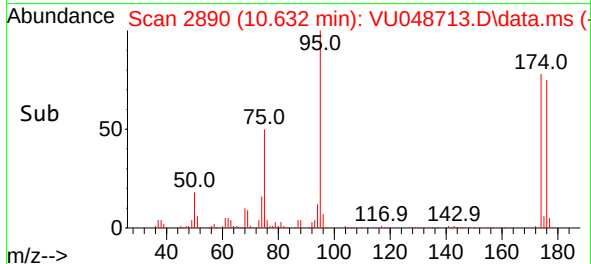
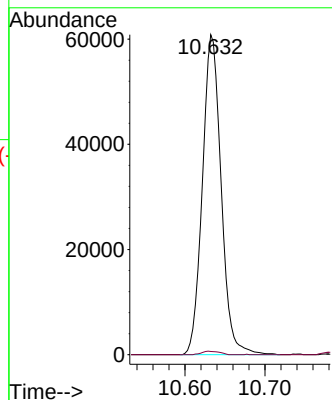
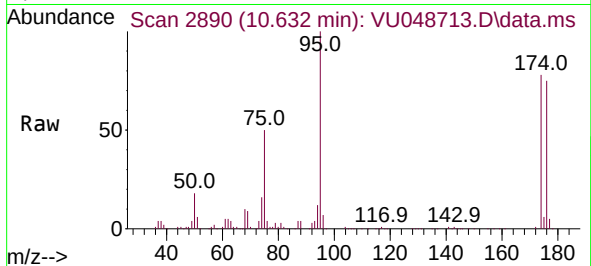




#76
1,2,3-Trichloropropane
Concen: 14.717 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

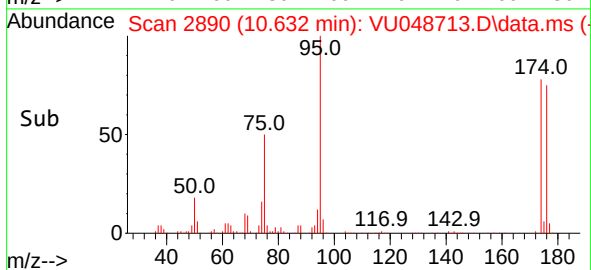
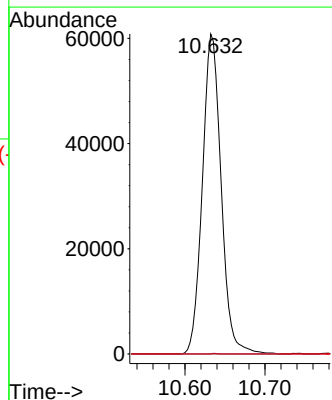
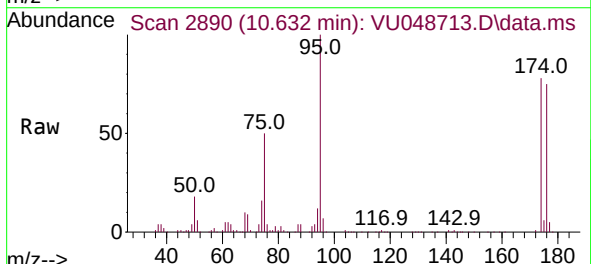
Instrument :
MSVOA_U
ClientSampleId :
TW-4

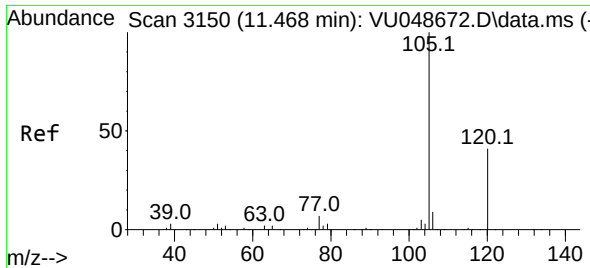
Tgt Ion: 75 Resp: 99374
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.435 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 75 Resp: 99374
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#

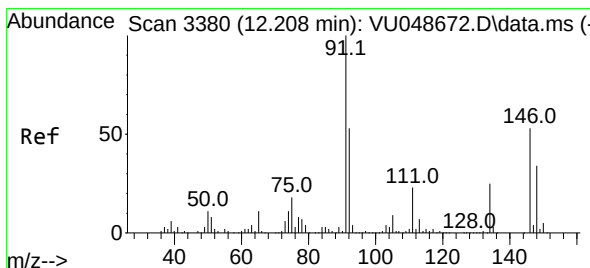
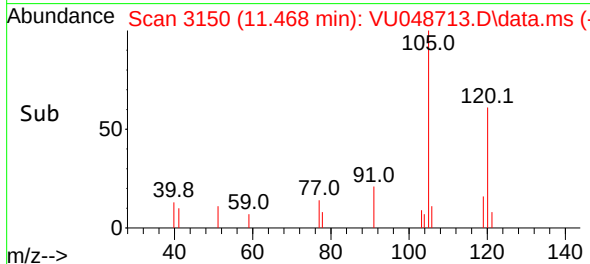
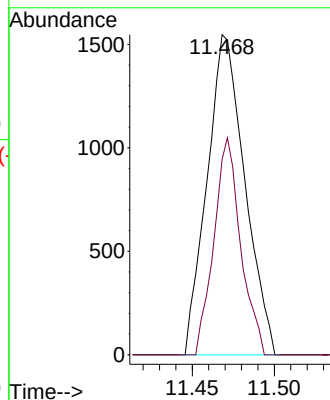
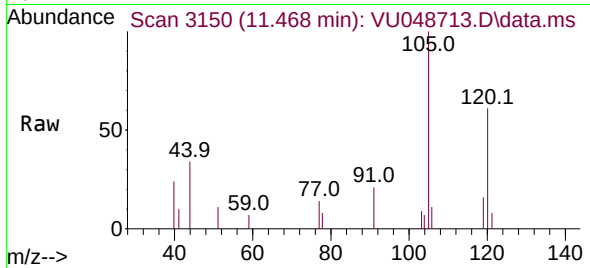




#84
1,2,4-Trimethylbenzene
Concen: 1.377 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

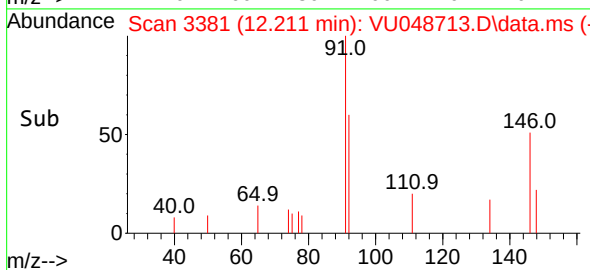
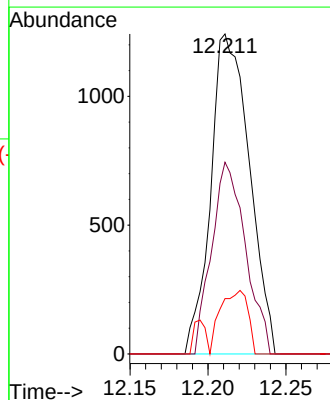
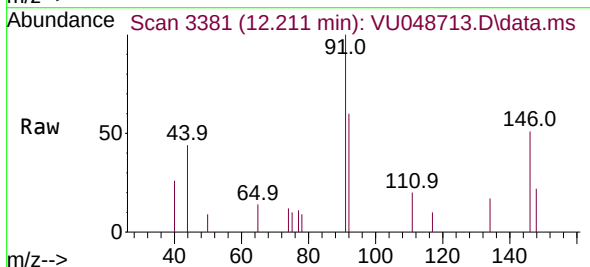
Instrument :
MSVOA_U
ClientSampleId :
TW-4

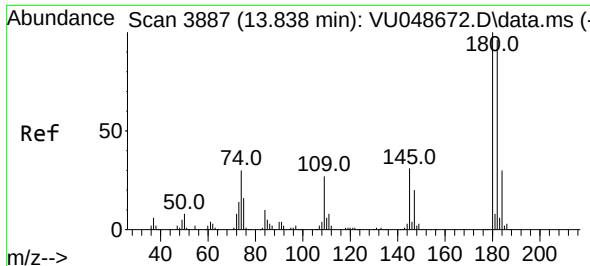
Tgt Ion:105 Resp: 2469
Ion Ratio Lower Upper
105 100
120 48.0 22.5 67.5



#89
n-Butylbenzene
Concen: 2.354 ug/l
RT: 12.211 min Scan# 3381
Delta R.T. 0.003 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

Tgt Ion: 91 Resp: 2143
Ion Ratio Lower Upper
91 100
92 52.4 25.9 77.8
134 14.1 12.5 37.5

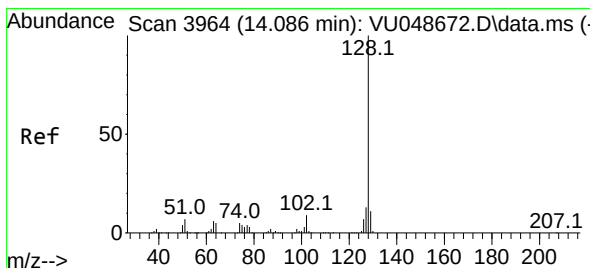
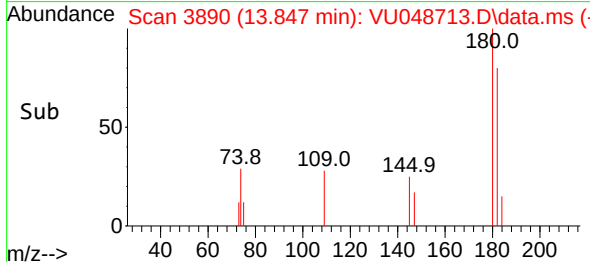
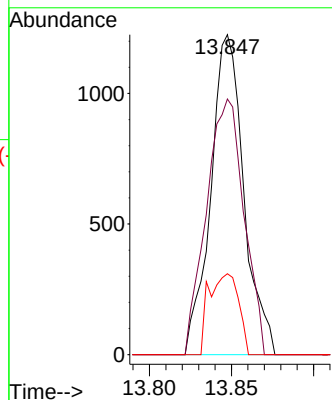
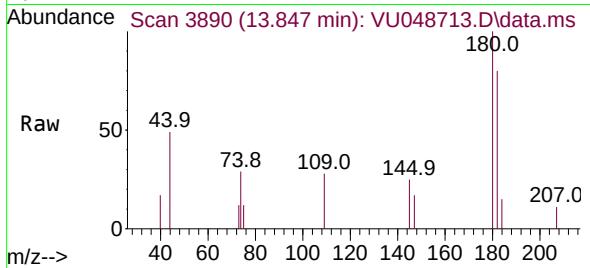




#93
1,2,4-Trichlorobenzene
Concen: 0.364 ug/l
RT: 13.847 min Scan# 3887
Delta R.T. 0.009 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

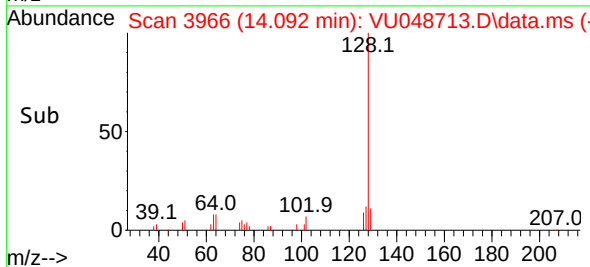
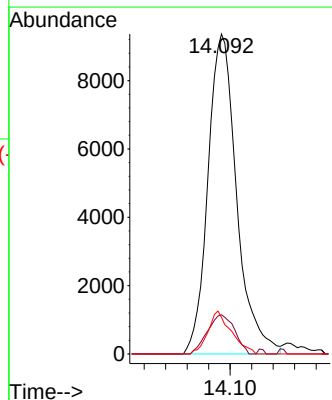
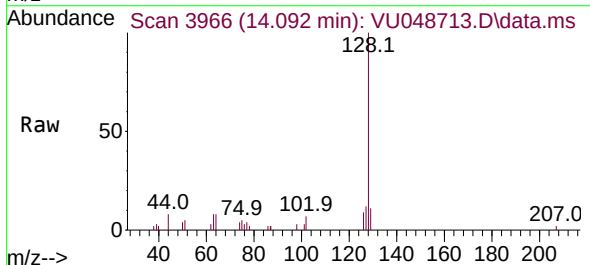
Instrument :
MSVOA_U
ClientSampleId :
TW-4

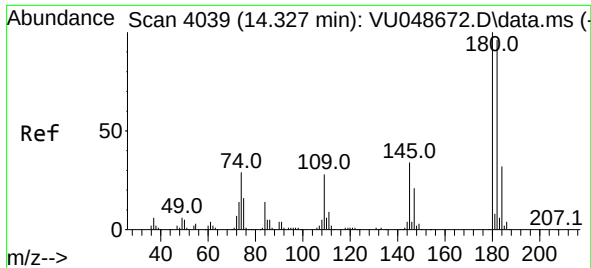
Tgt Ion:180 Resp: 1717
Ion Ratio Lower Upper
180 100
182 90.7 48.3 144.9
145 22.6 15.6 46.7



#95
Naphthalene
Concen: 3.532 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048713.D
Acq: 28 May 2022 00:04

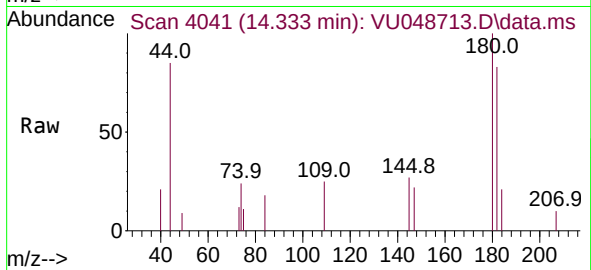
Tgt Ion:128 Resp: 17355
Ion Ratio Lower Upper
128 100
127 11.5 10.2 15.4
129 10.9 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.403 ug/l
 RT: 14.333 min Scan# 4041
 Delta R.T. 0.006 min
 Lab File: VU048713.D
 Acq: 28 May 2022 00:04

Instrument :
 MSVOA_U
 ClientSampleId :
 TW-4



Tgt Ion:	180	Resp:	1882
Ion Ratio	Lower	Upper	
180	100		
182	84.8	47.4	142.2
145	23.4	16.6	49.8

