

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048702.D
 Acq On : 27 May 2022 18:36
 Operator : SY/MD
 Sample : N3056-12
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 TRIP-BLANK

Quant Time: May 28 00:23:00 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	219734	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	364333	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	372552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	207769	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	172602	52.304	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 104.600%	
35) Dibromofluoromethane	5.292	113	147028	56.566	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 113.140%	
50) Toluene-d8	7.899	98	437573	46.963	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 93.920%	
62) 4-Bromofluorobenzene	10.632	95	197007	55.909	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 111.820%	

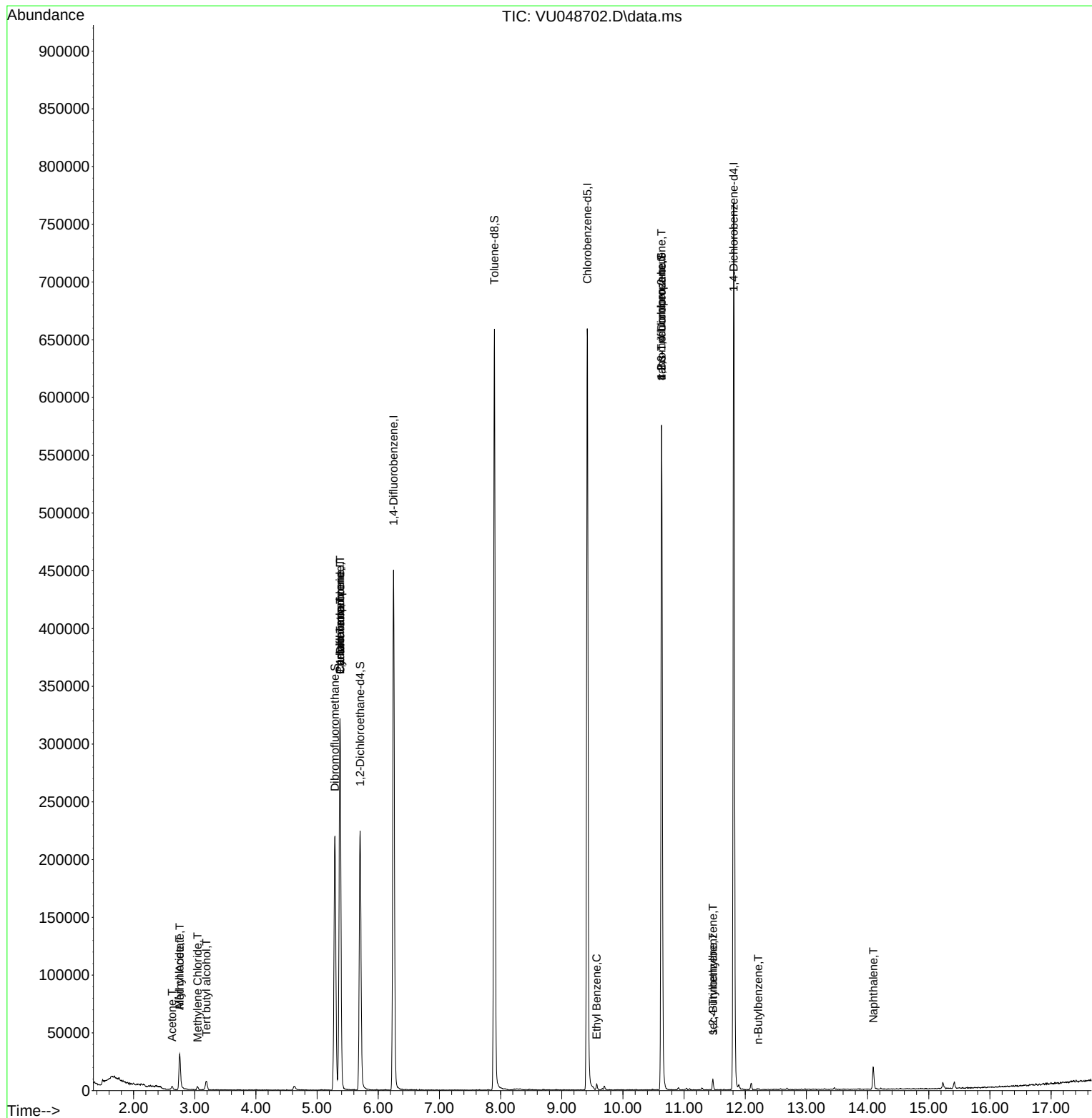
Target Compounds			Qvalue			
5) Bromomethane	1.848	94	24	Below Cal	#	3
6) Chloroethane	1.996	64	268	Below Cal	#	43
11) Tert butyl alcohol	3.192	59	4667	5.578	ug/l #	28
14) Allyl chloride	2.752	41	3644	0.841	ug/l #	62
16) Acetone	2.629	43	3549	2.110	ug/l	97
18) Methyl Acetate	2.755	43	9083	2.151	ug/l #	51
20) Methylene Chloride	3.044	84	1079	0.377	ug/l	93
31) Cyclohexane	5.375	56	4694	1.129	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17808	4.694	ug/l #	45
38) Carbon Tetrachloride	5.375	117	23323	5.359	ug/l #	16
67) Ethyl Benzene	9.571	91	3591	0.270	ug/l	90
76) 1,2,3-Trichloropropane	10.632	75	103140	15.396	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	103140	55.902	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.471	105	5263	1.596	ug/l	97
85) sec-Butylbenzene	11.471	105	5263	0.376	ug/l #	58
89) n-Butylbenzene	12.211	91	240	2.204	ug/l #	46
95) Naphthalene	14.095	128	17318	3.538	ug/l	97

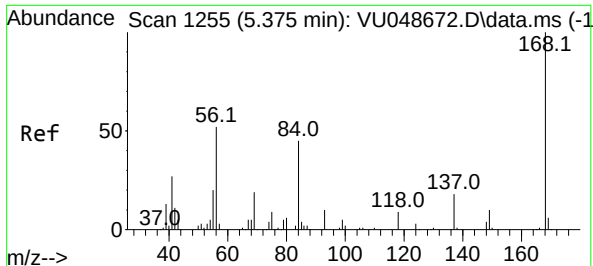
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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Quant Time: May 28 00:23:00 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

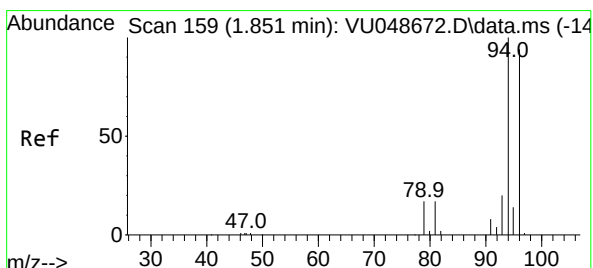
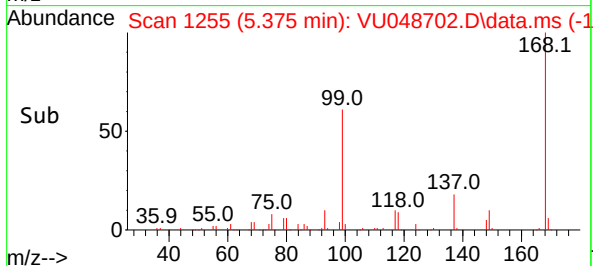
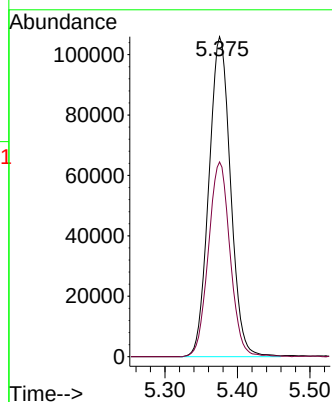
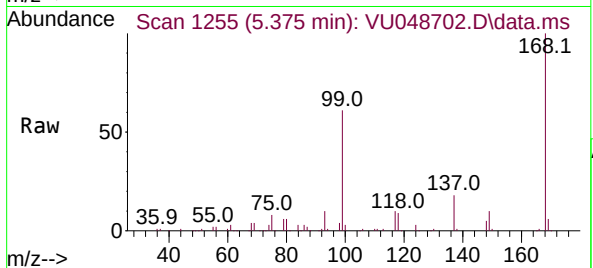




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

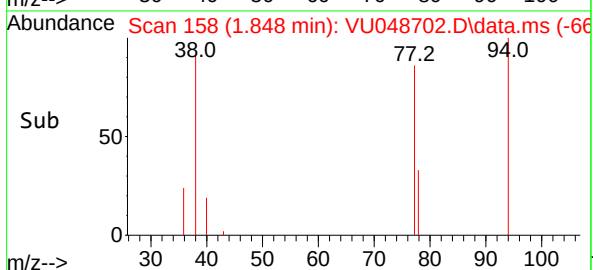
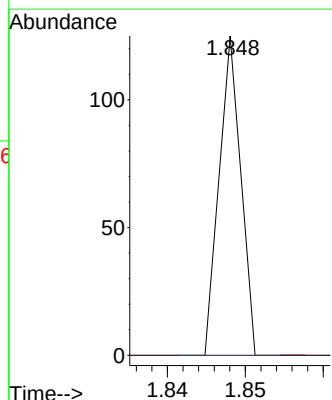
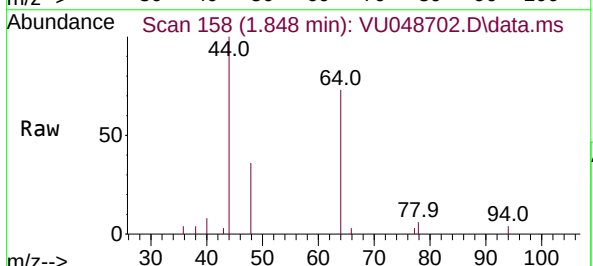
Instrument :
MSVOA_U
ClientSampleId :
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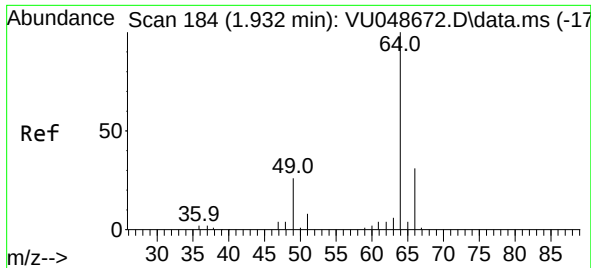
Tgt Ion:168 Resp: 219734
Ion Ratio Lower Upper
168 100
99 60.9 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.848 min Scan# 158
Delta R.T. -0.003 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 94 Resp: 24
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#

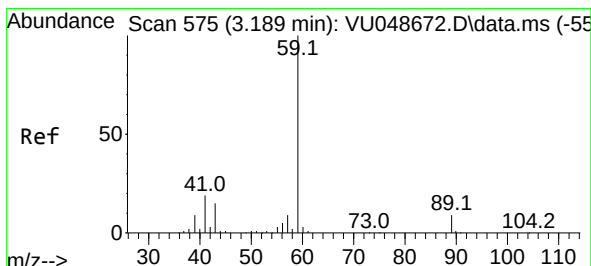
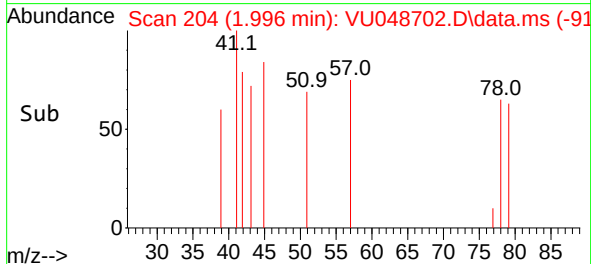
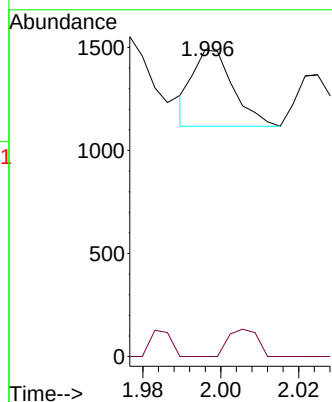
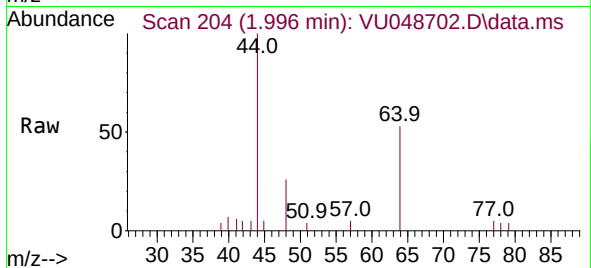




#6
Chloroethane
Concen: Below Cal
RT: 1.996 min Scan# 204
Delta R.T. 0.064 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

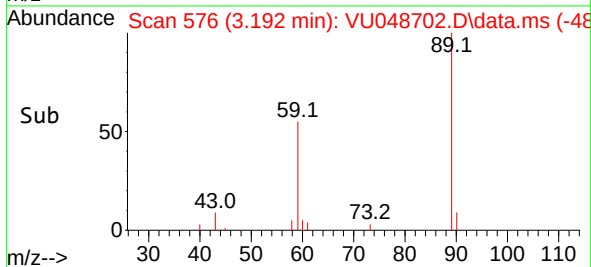
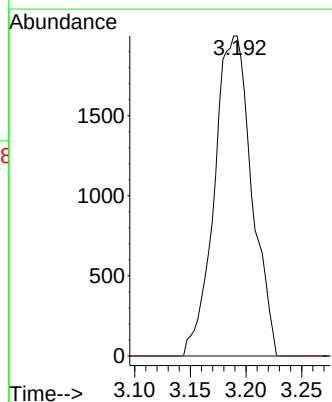
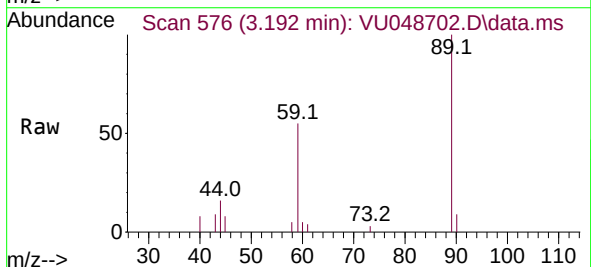
Instrument :
MSVOA_U
ClientSampleId :
TRIP-BLANK

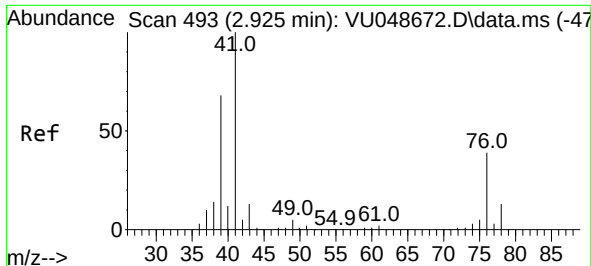
Tgt Ion: 64 Resp: 268
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 5.578 ug/l
RT: 3.192 min Scan# 576
Delta R.T. 0.003 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 59 Resp: 4667
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#





#14

Allyl chloride

Concen: 0.841 ug/l

RT: 2.752 min Scan# 41

Delta R.T. -0.174 min

Lab File: VU048702.D

Acq: 27 May 2022 18:36

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK

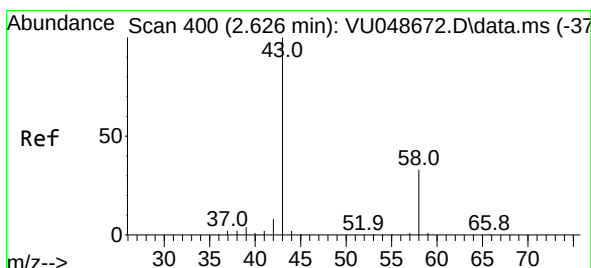
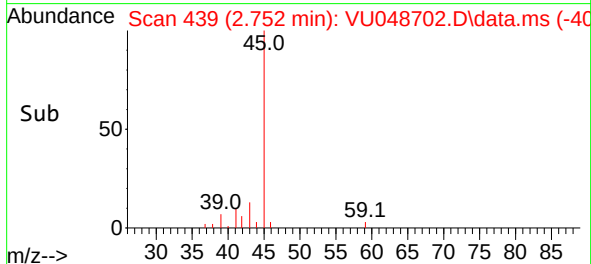
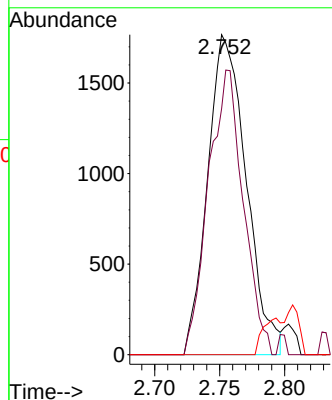
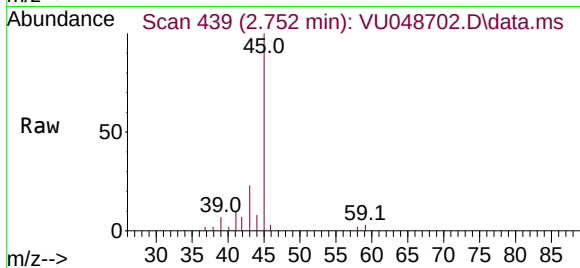
Tgt Ion: 41 Resp: 3644

Ion Ratio Lower Upper

41 100

39 80.5 48.6 72.8#

76 0.0 27.0 40.4#



#16

Acetone

Concen: 2.110 ug/l

RT: 2.629 min Scan# 401

Delta R.T. 0.003 min

Lab File: VU048702.D

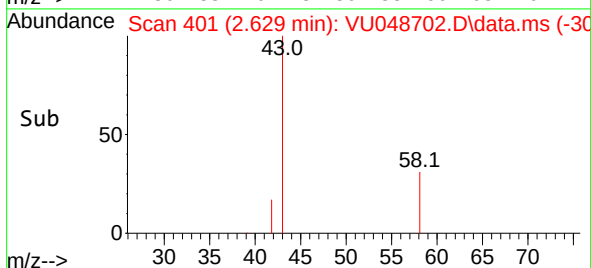
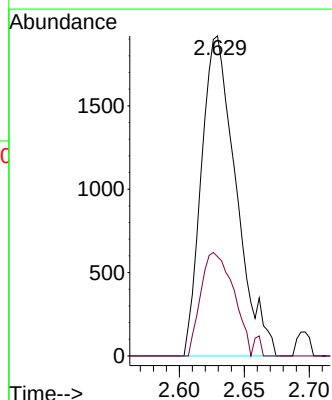
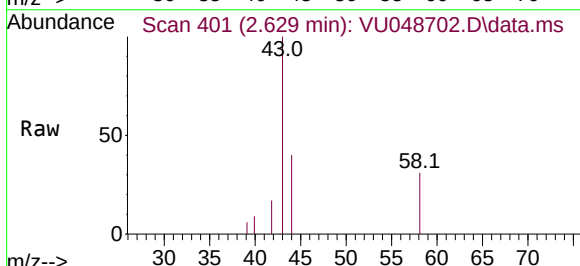
Acq: 27 May 2022 18:36

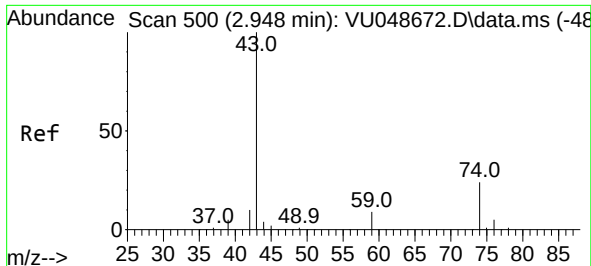
Tgt Ion: 43 Resp: 3549

Ion Ratio Lower Upper

43 100

58 31.1 26.3 39.5

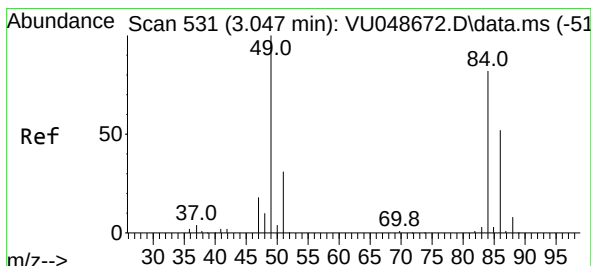
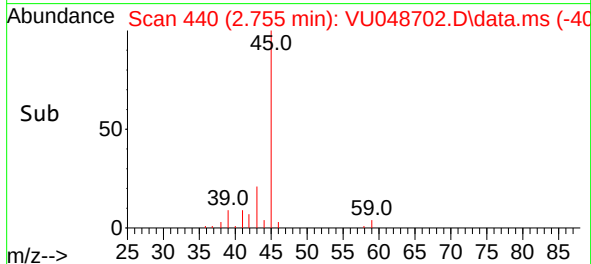
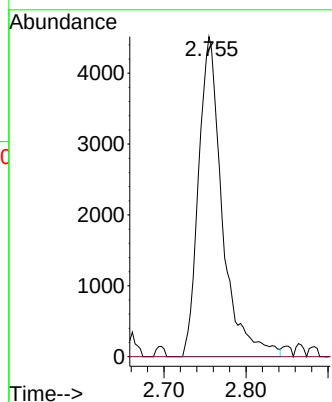
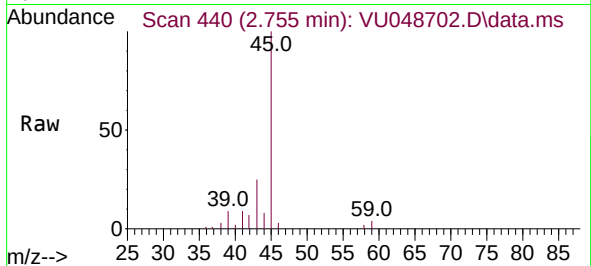




#18
Methyl Acetate
Concen: 2.151 ug/l
RT: 2.755 min Scan# 441
Delta R.T. -0.193 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

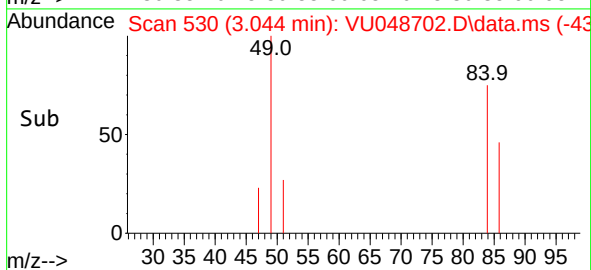
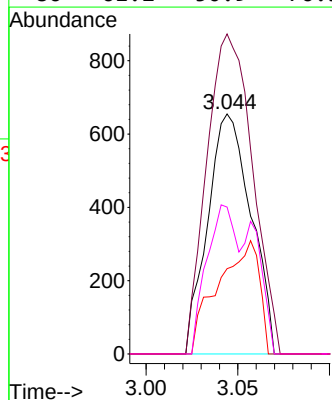
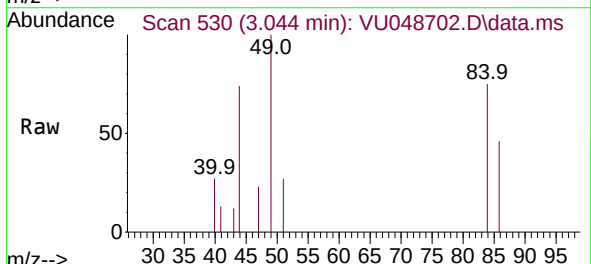
Instrument :
MSVOA_U
ClientSampleId :
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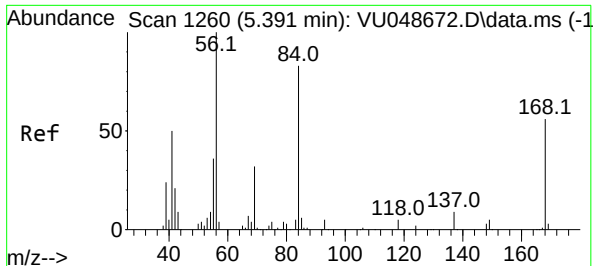
Tgt Ion: 43 Resp: 9083
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 3.044 min Scan# 530
Delta R.T. -0.003 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 84 Resp: 1079
Ion Ratio Lower Upper
84 100
49 133.3 97.0 145.4
51 35.6 29.8 44.8
86 61.2 50.9 76.3

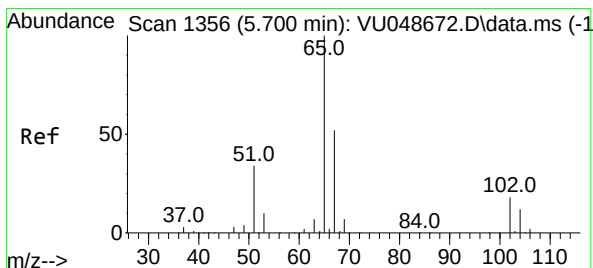
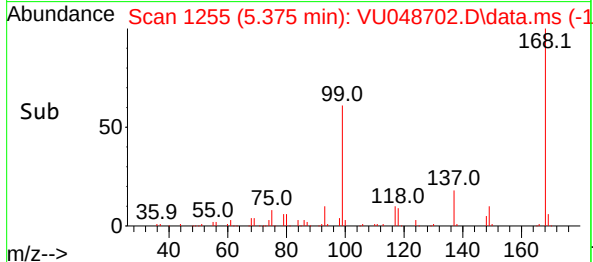
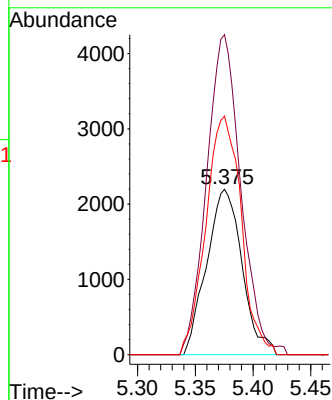
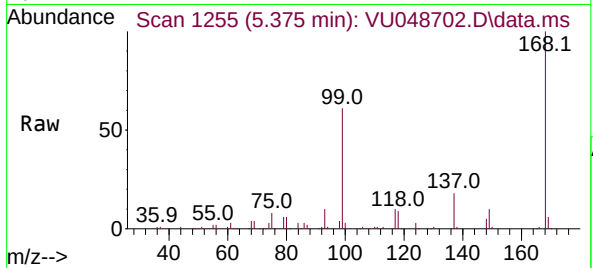




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

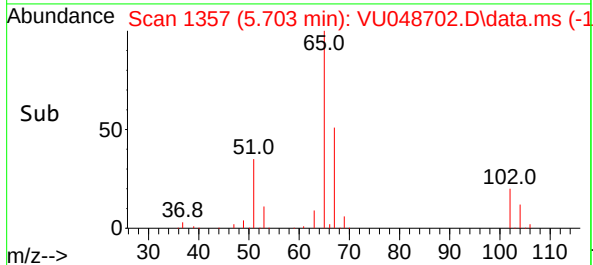
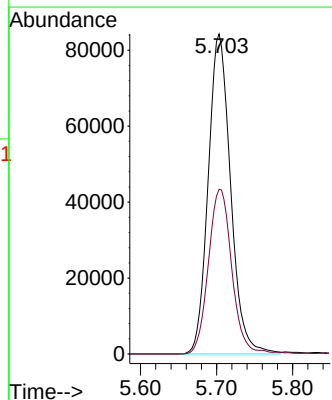
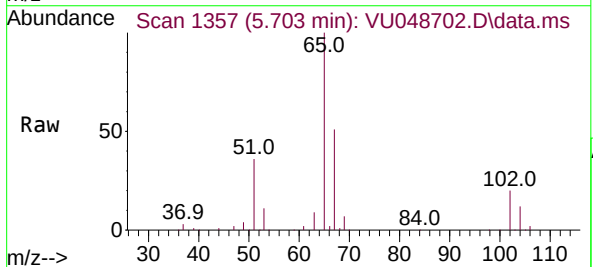
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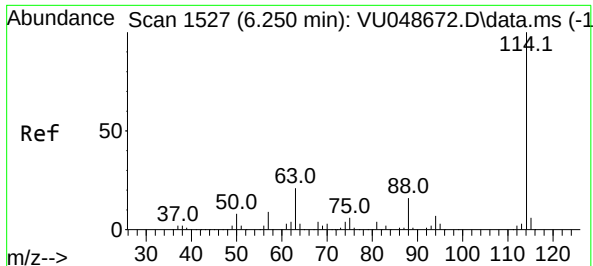
Tgt Ion: 56 Resp: 4694
Ion Ratio Lower Upper
56 100
69 193.4 25.6 38.4#
84 144.2 66.2 99.4#



#33
1,2-Dichloroethane-d4
Concen: 52.304 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 65 Resp: 172602
Ion Ratio Lower Upper
65 100
67 53.5 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: VU048702.D

Acq: 27 May 2022 18:36

Instrument :

MSVOA_U

ClientSampleId :

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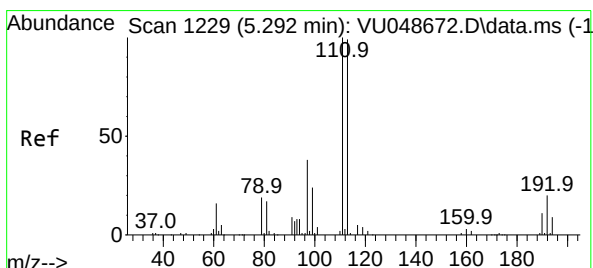
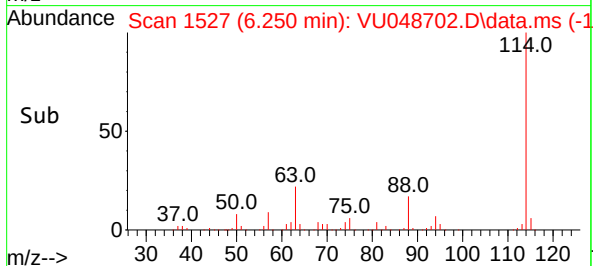
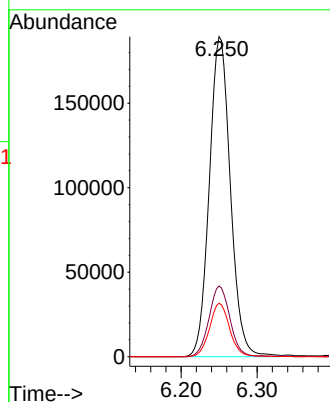
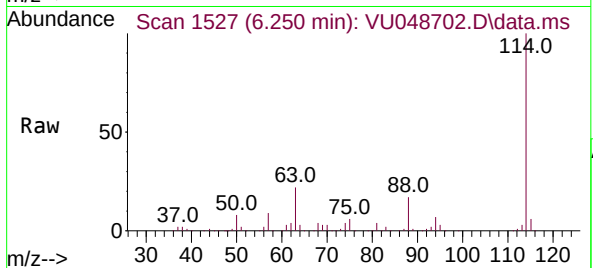
Tgt Ion:114 Resp: 364333

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 56.566 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU048702.D

Acq: 27 May 2022 18:36

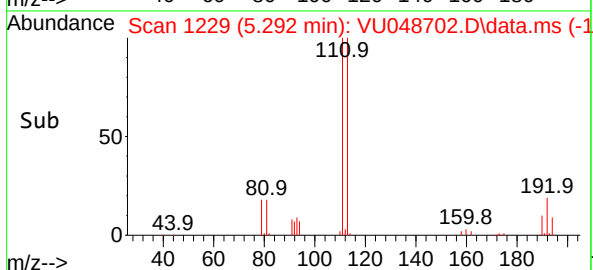
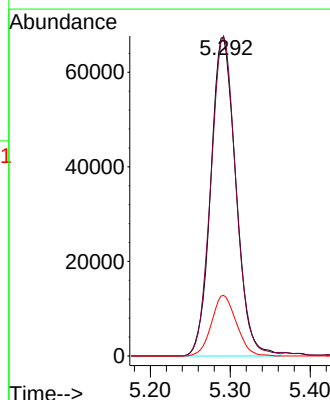
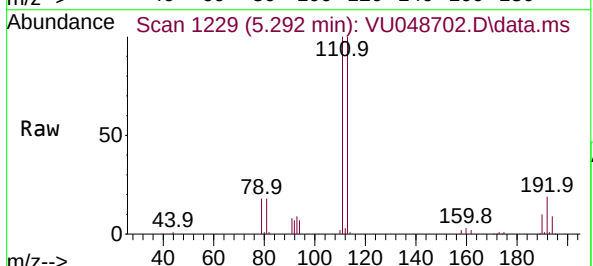
Tgt Ion:113 Resp: 147028

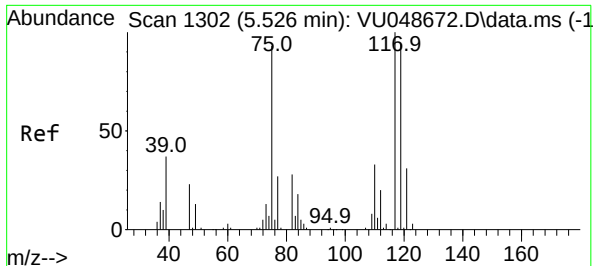
Ion Ratio Lower Upper

113 100

111 99.9 80.7 121.1

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.694 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048702.D

Acq: 27 May 2022 18:36

Instrument :

MSVOA_U

ClientSampleId :

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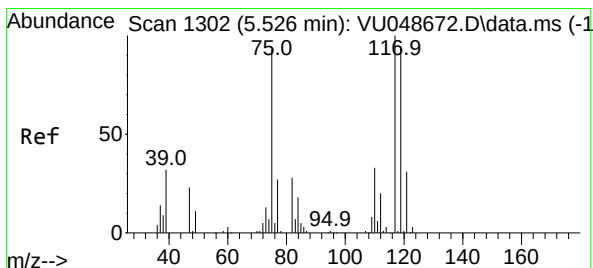
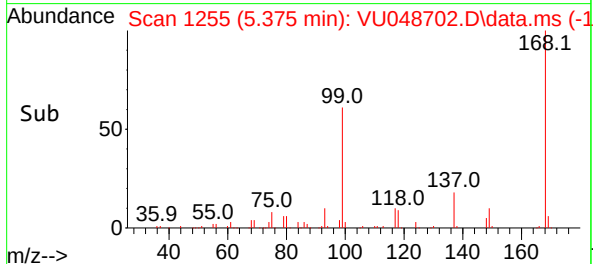
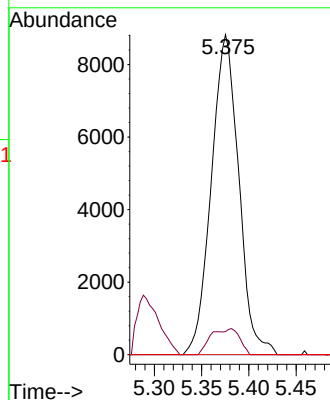
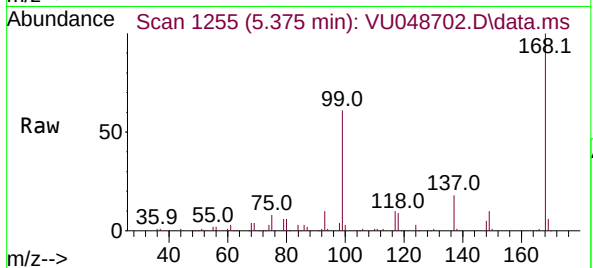
Tgt Ion: 75 Resp: 17808

Ion Ratio Lower Upper

75 100

110 4.1 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 5.359 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048702.D

Acq: 27 May 2022 18:36

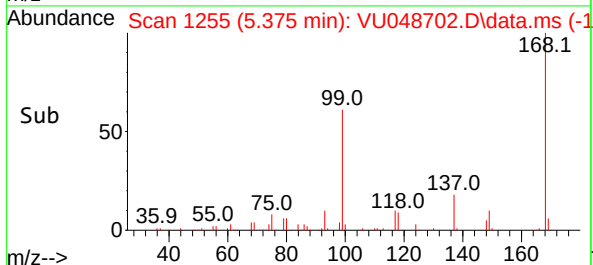
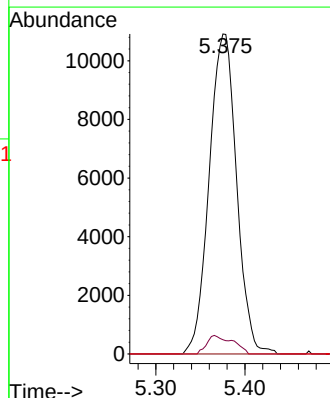
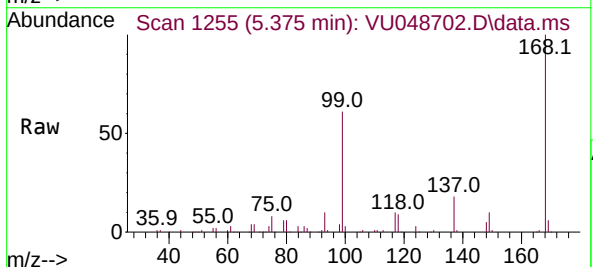
Tgt Ion: 117 Resp: 23323

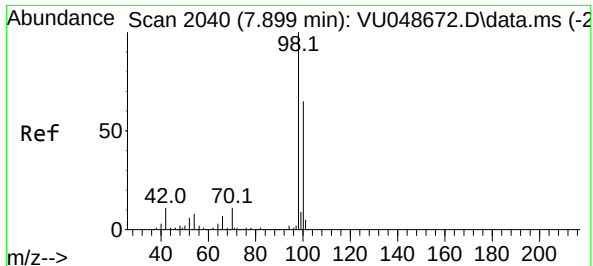
Ion Ratio Lower Upper

117 100

119 4.5 75.4 113.2#

121 0.0 24.6 36.8#

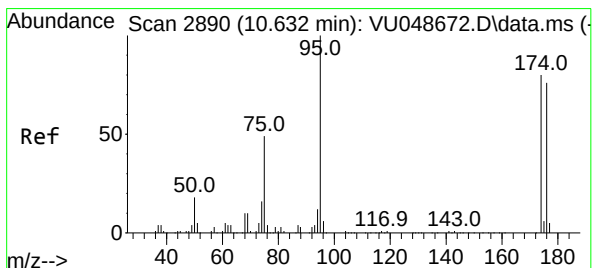
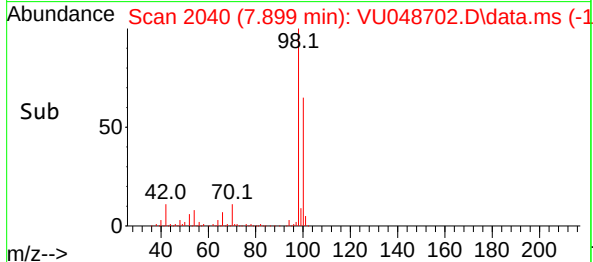
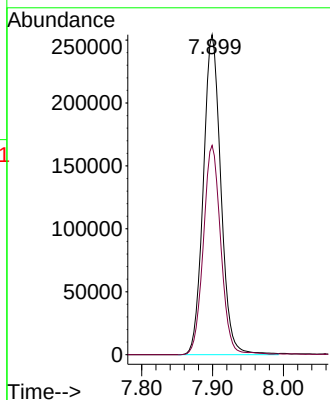
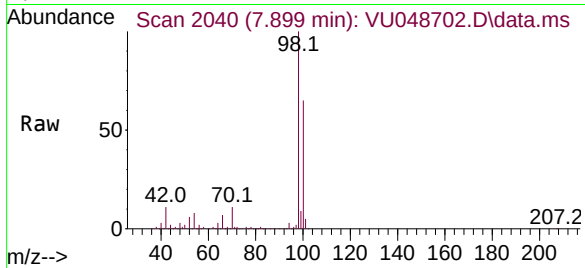




#50
Toluene-d8
Concen: 46.963 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

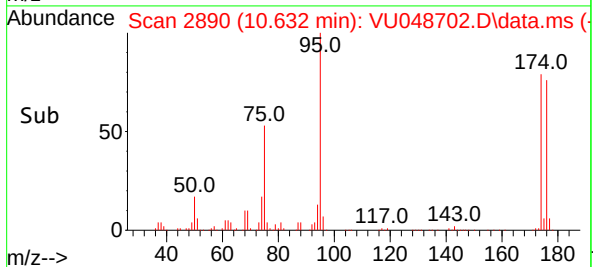
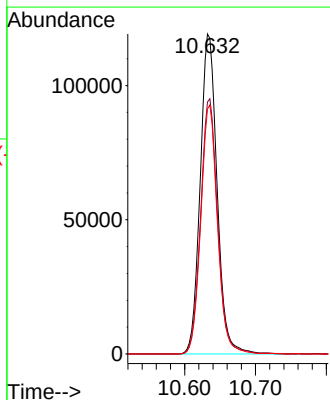
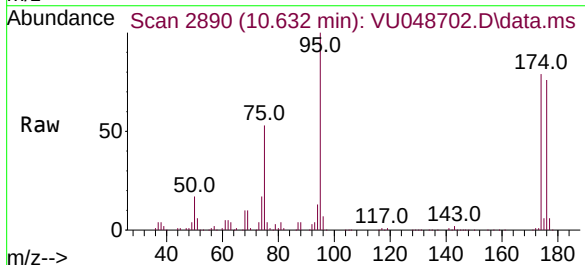
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MSVOA_U
ClientSampleId :
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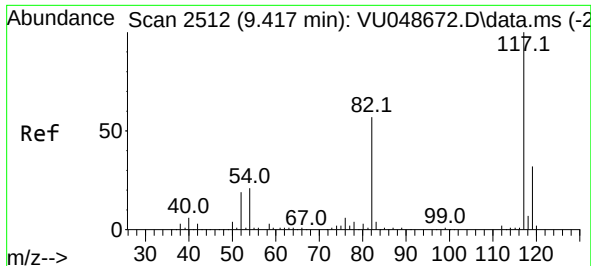
Tgt Ion: 98 Resp: 437573
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 55.909 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 95 Resp: 197007
Ion Ratio Lower Upper
95 100
174 80.6 0.0 159.4
176 77.0 0.0 152.4

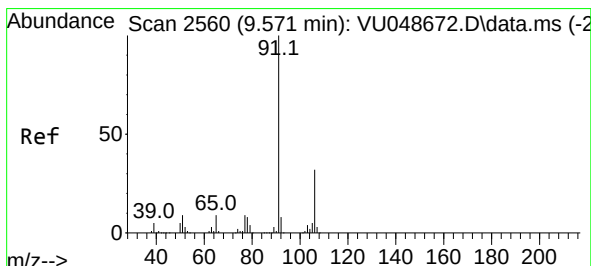
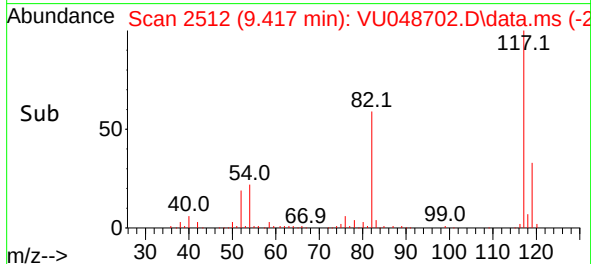
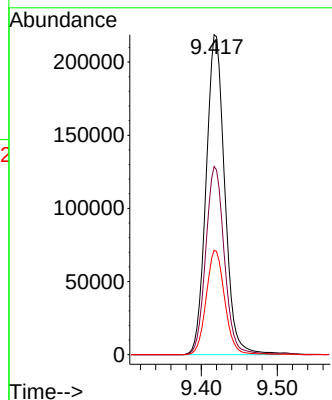
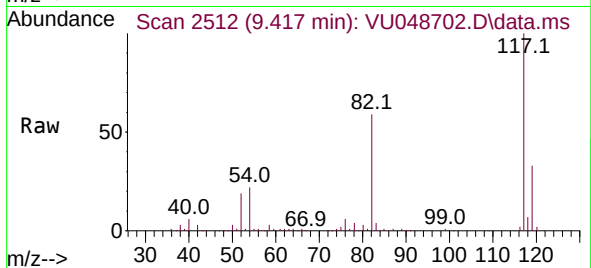




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

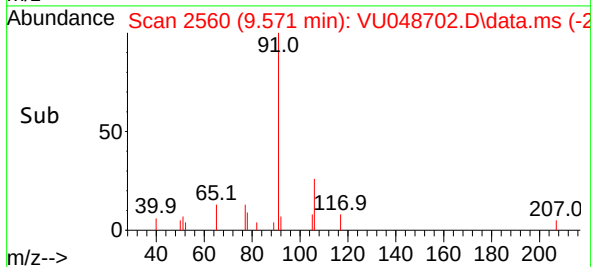
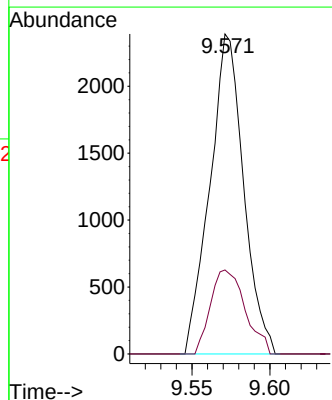
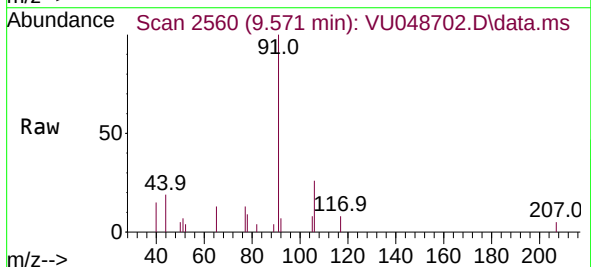
Instrument :
MSVOA_U
ClientSampleId :
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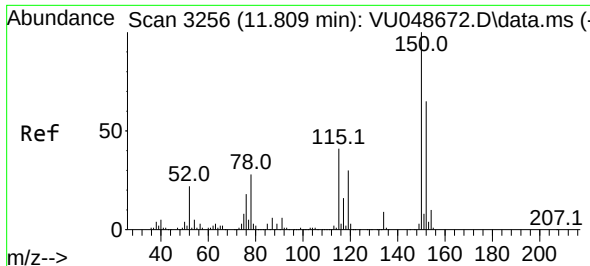
Tgt Ion:117 Resp: 372552
Ion Ratio Lower Upper
117 100
82 58.8 45.3 67.9
119 32.6 25.4 38.2



#67
Ethyl Benzene
Concen: 0.270 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. -0.000 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 91 Resp: 3591
Ion Ratio Lower Upper
91 100
106 26.3 25.4 38.2

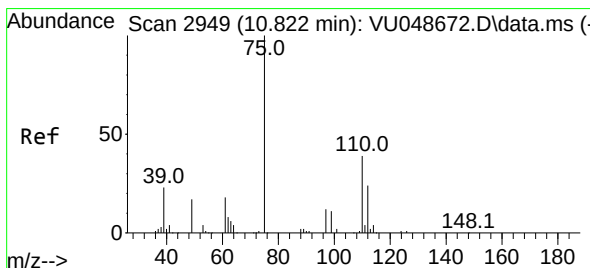
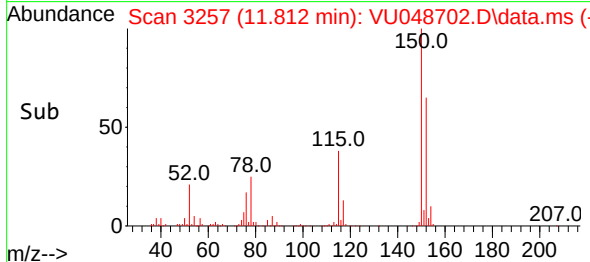
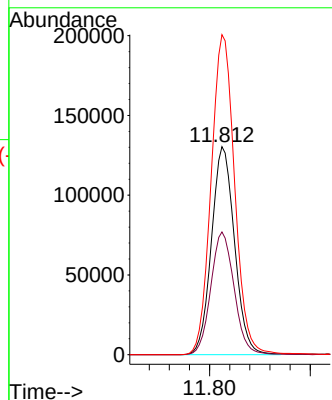
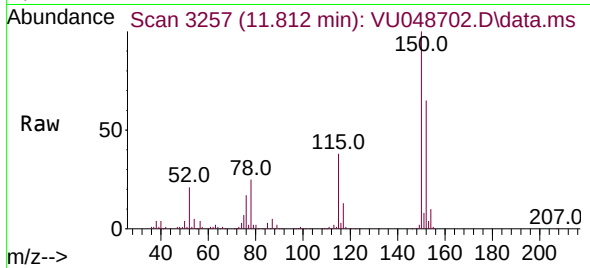




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.812 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU048702.D
 Acq: 27 May 2022 18:36

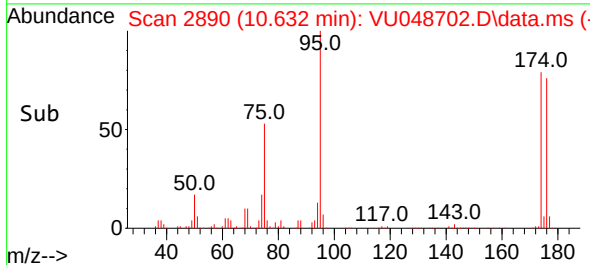
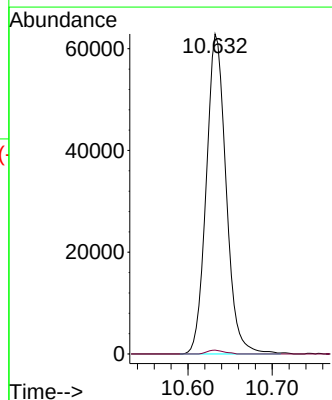
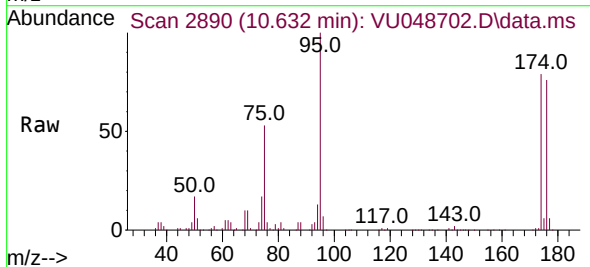
Instrument :
 MSVOA_U
 ClientSampleId :
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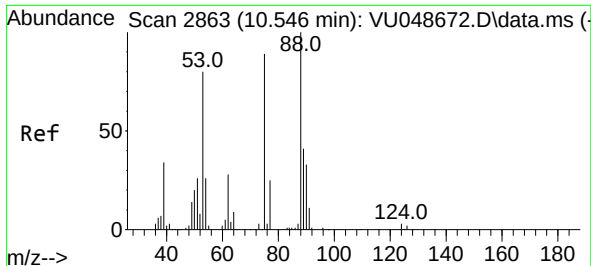
Tgt Ion:152 Resp: 207769
 Ion Ratio Lower Upper
 152 100
 115 59.6 41.8 125.4
 150 157.2 0.0 341.0



#76
 1,2,3-Trichloropropane
 Concen: 15.396 ug/l
 RT: 10.632 min Scan# 2890
 Delta R.T. -0.190 min
 Lab File: VU048702.D
 Acq: 27 May 2022 18:36

Tgt Ion: 75 Resp: 103140
 Ion Ratio Lower Upper
 75 100
 77 1.0 14.8 44.3#

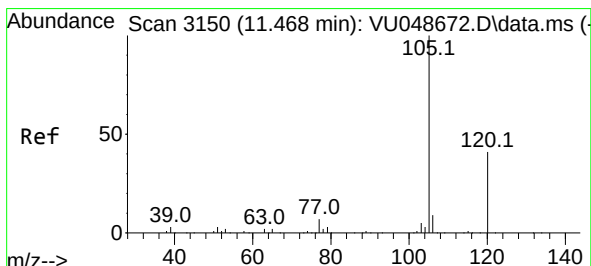
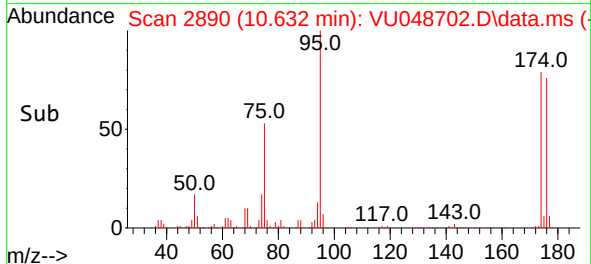
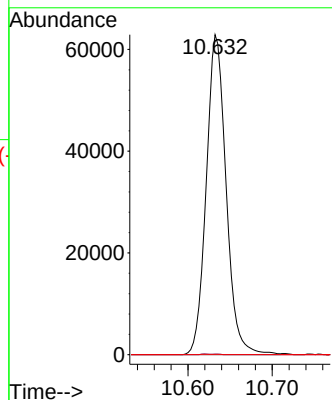
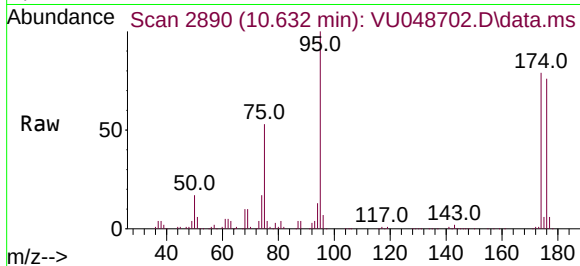




#81
trans-1,4-Dichloro-2-butene
Concen: 55.902 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

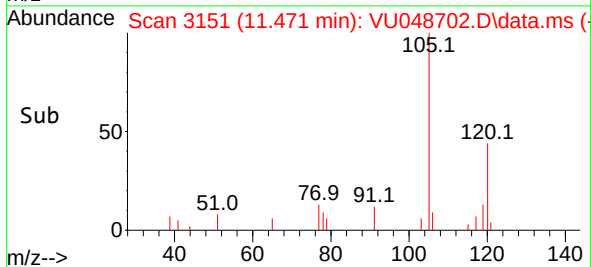
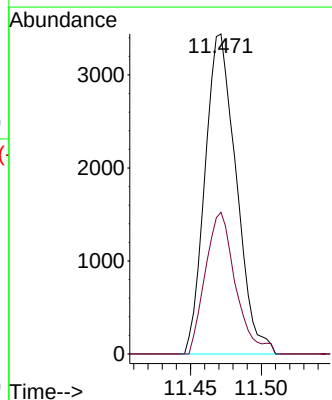
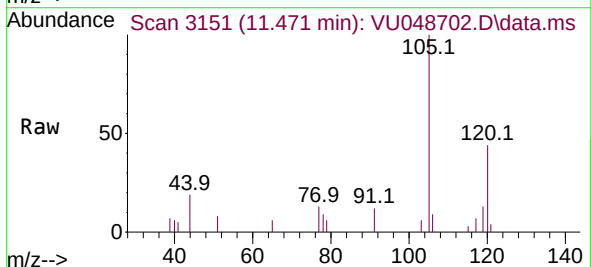
Instrument :
MSVOA_U
ClientSampleId :
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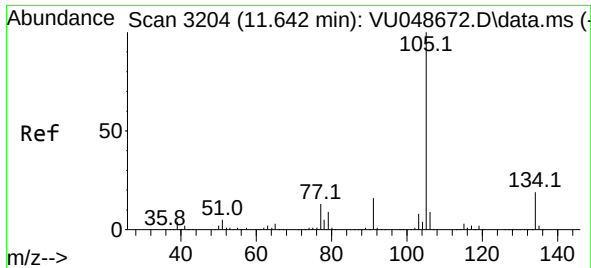
Tgt Ion: 75 Resp: 103140
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.596 ug/l
RT: 11.471 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VU048702.D
Acq: 27 May 2022 18:36

Tgt Ion: 105 Resp: 5263
Ion Ratio Lower Upper
105 100
120 42.9 22.5 67.5

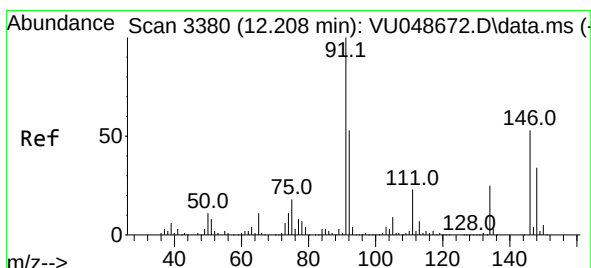
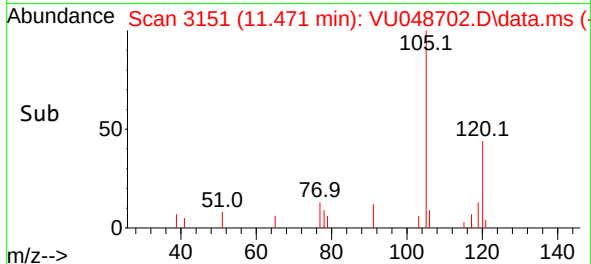
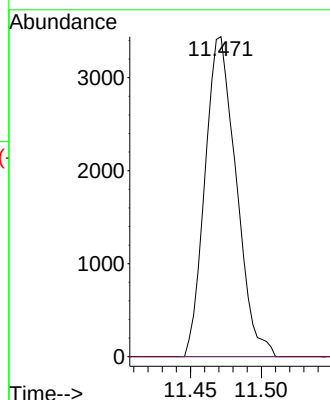
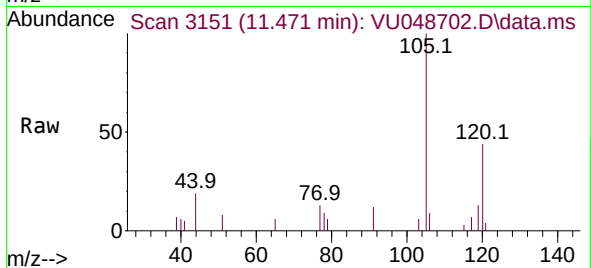




#85
 sec-Butylbenzene
 Concen: 0.376 ug/l
 RT: 11.471 min Scan# 3151
 Delta R.T. -0.170 min
 Lab File: VU048702.D
 Acq: 27 May 2022 18:36

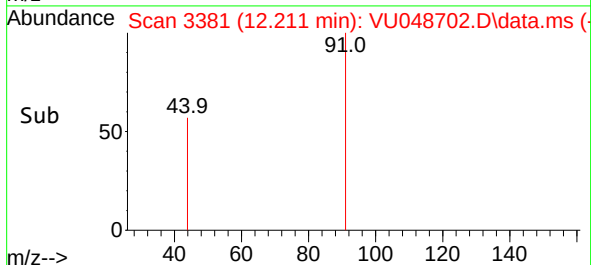
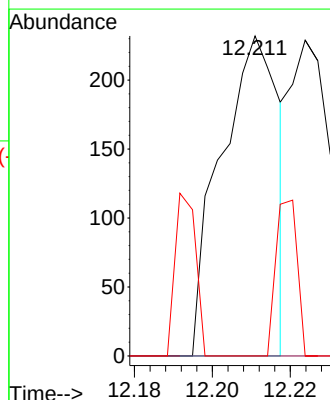
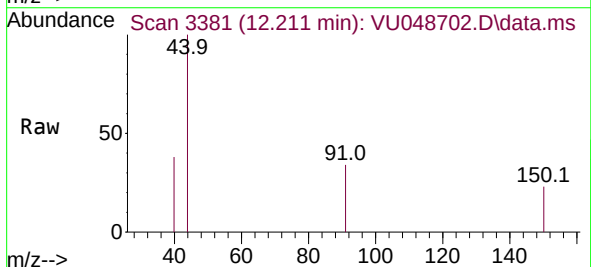
Instrument :
 MSVOA_U
 ClientSampleId :
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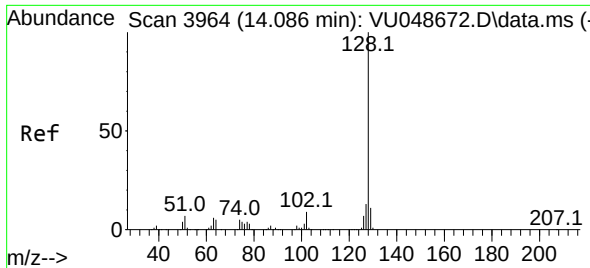
Tgt Ion:105 Resp: 5263
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.6 28.6#



#89
 n-Butylbenzene
 Concen: 2.204 ug/l
 RT: 12.211 min Scan# 3381
 Delta R.T. 0.003 min
 Lab File: VU048702.D
 Acq: 27 May 2022 18:36

Tgt Ion: 91 Resp: 240
 Ion Ratio Lower Upper
 91 100
 92 0.0 25.9 77.8#
 134 17.9 12.5 37.5





#95

Naphthalene

Concen: 3.538 ug/l

RT: 14.095 min Scan# 3967

Delta R.T. 0.009 min

Lab File: VU048702.D

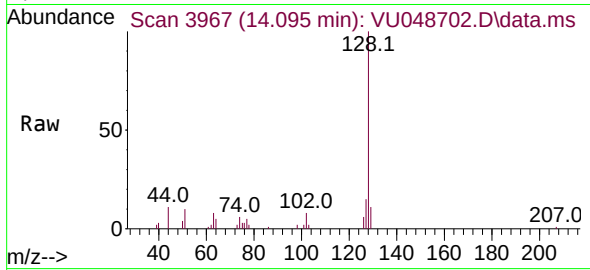
Acq: 27 May 2022 18:36

Instrument :

MSVOA_U

ClientSampleId :

TRIP-BLANK



Tgt Ion:128 Resp: 17318

Ion Ratio Lower Upper

128 100

127 14.0 10.2 15.4

129 9.7 8.7 13.1

