

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU052722\
 Data File : VU048699.D
 Acq On : 27 May 2022 17:25
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: May 28 00:21:54 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	217957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	360728	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	374887	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	212790	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	167819	51.269	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.540%			
35) Dibromofluoromethane	5.292	113	139411	54.171	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.340%			
50) Toluene-d8	7.899	98	432541	46.887	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.780%			
62) 4-Bromofluorobenzene	10.632	95	199965	57.315	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.640%			
Target Compounds						
					Qvalue	
5) Bromomethane	1.755	94	20	Below Cal	#	3
6) Chloroethane	1.980	64	1012	Below Cal	#	43
10) Methyl Iodide	2.437	142	24	3.011	ug/l #	37
11) Tert butyl alcohol	3.182	59	1543	1.859	ug/l #	28
13) Acrolein	2.382	56	42	Below Cal	#	79
16) Acetone	2.620	43	582	0.349	ug/l #	42
20) Methylene Chloride	3.051	84	2897	1.021	ug/l #	85
31) Cyclohexane	5.375	56	4806	1.165	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	17467	4.650	ug/l #	49
38) Carbon Tetrachloride	5.375	117	21528	4.996	ug/l #	17
40) Benzene	5.777	78	4148	0.374	ug/l #	89
67) Ethyl Benzene	9.571	91	44860	3.355	ug/l	97
68) m/p-Xylenes	9.697	106	12914	2.469	ug/l	96
73) Isopropylbenzene	10.484	105	3229	0.235	ug/l	99
74) N-amyl acetate	10.394	43	40	2.472	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	101351	14.772	ug/l #	48
78) n-propylbenzene	10.906	91	8919	0.545	ug/l	99
80) 1,3,5-Trimethylbenzene	11.092	105	5842	0.489	ug/l	96
81) trans-1,4-Dichloro-2-b...	10.632	75	101351	53.636	ug/l #	13
83) tert-Butylbenzene	11.472	119	5229	0.456	ug/l #	52
84) 1,2,4-Trimethylbenzene	11.468	105	44721	4.578	ug/l	97
85) sec-Butylbenzene	11.468	105	44721	3.118	ug/l #	58
89) n-Butylbenzene	12.208	91	1793	2.324	ug/l #	52
90) Hexachloroethane	12.468	117	611	0.243	ug/l #	10
95) Naphthalene	14.089	128	211390	14.514	ug/l	99

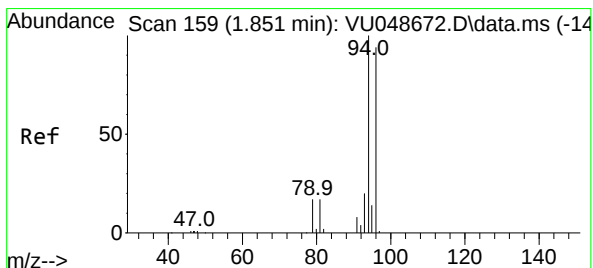
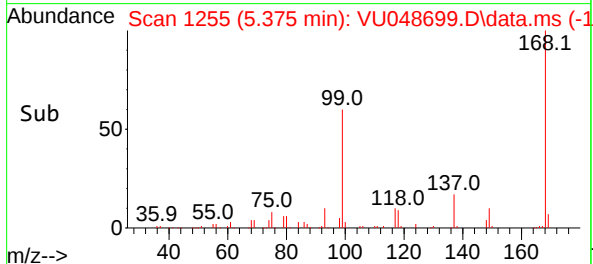
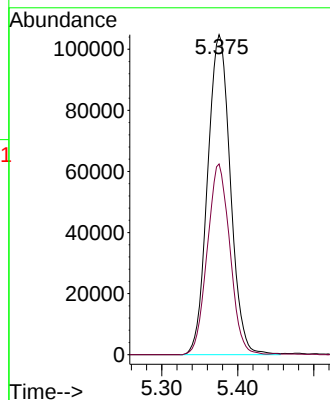
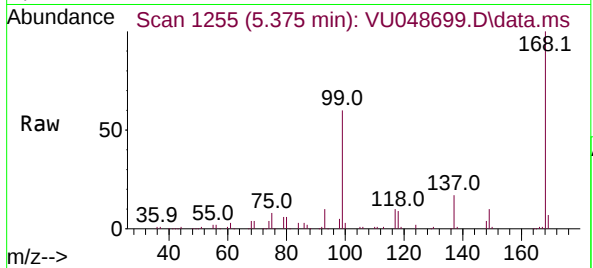
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

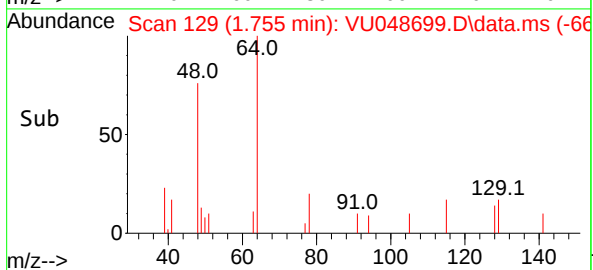
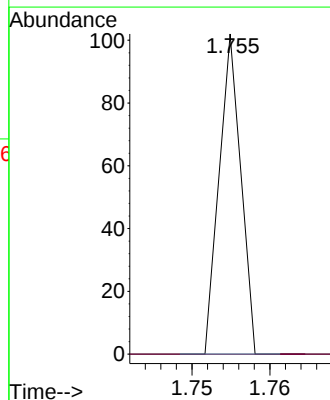
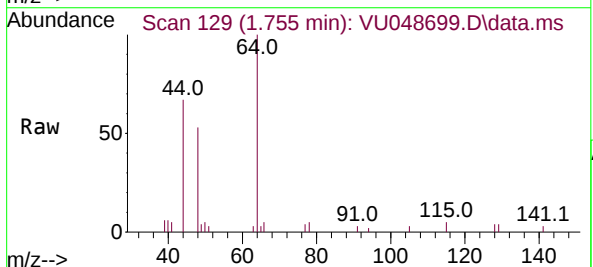
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

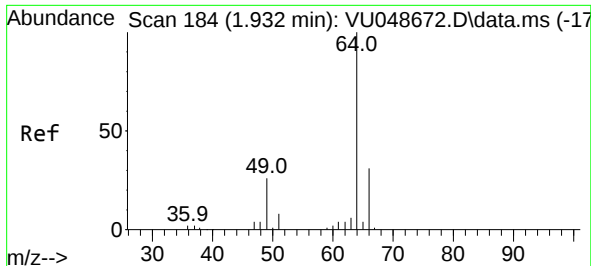
Tgt Ion:168 Resp: 217957
Ion Ratio Lower Upper
168 100
99 59.6 49.3 73.9



#5
Bromomethane
Concen: Below Cal
RT: 1.755 min Scan# 129
Delta R.T. -0.096 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

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

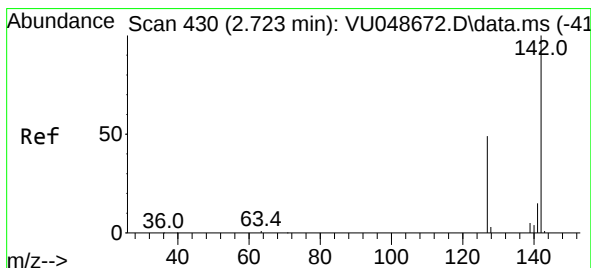
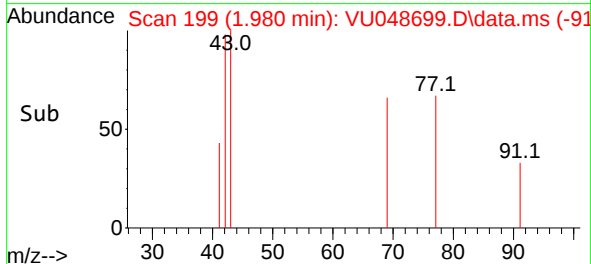
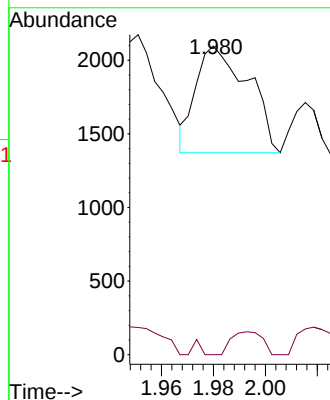
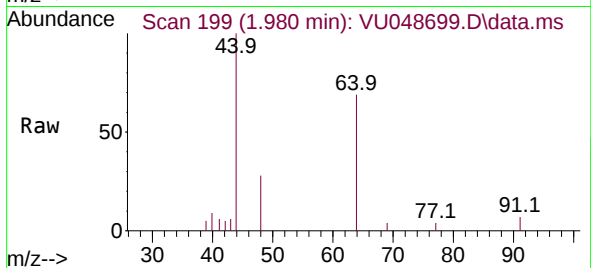




#6
Chloroethane
Concen: Below Cal
RT: 1.980 min Scan# 199
Delta R.T. 0.048 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

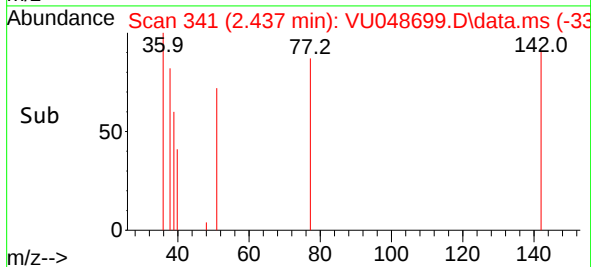
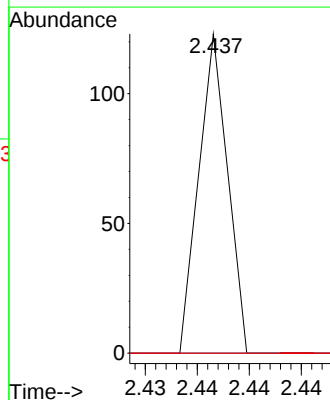
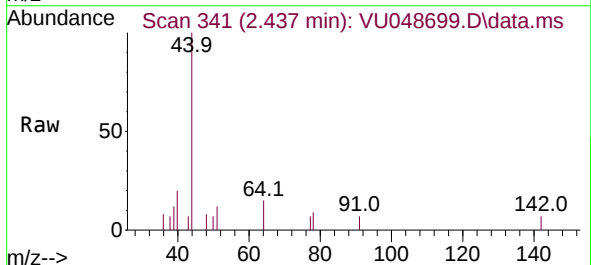
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion: 64 Resp: 1012
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.011 ug/l
RT: 2.437 min Scan# 341
Delta R.T. -0.286 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion:142 Resp: 24
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

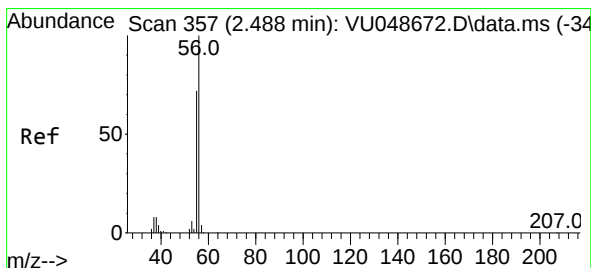
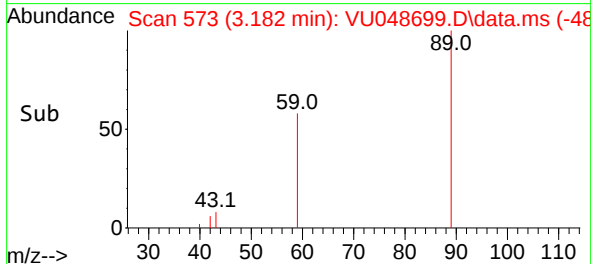
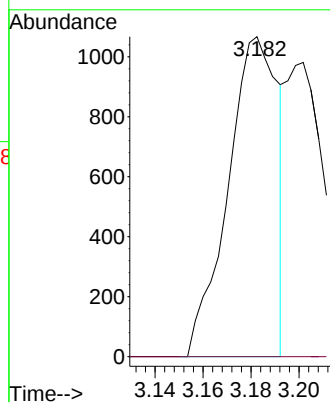
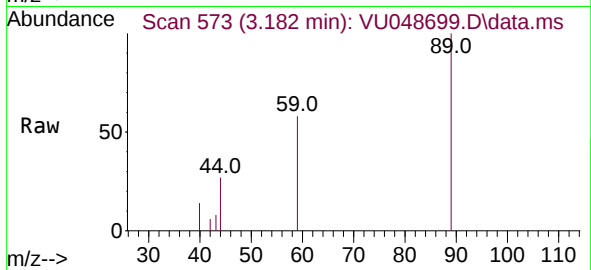




#11
Tert butyl alcohol
Concen: 1.859 ug/l
RT: 3.182 min Scan# 51
Delta R.T. -0.006 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

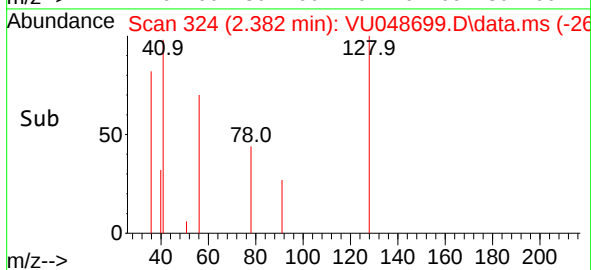
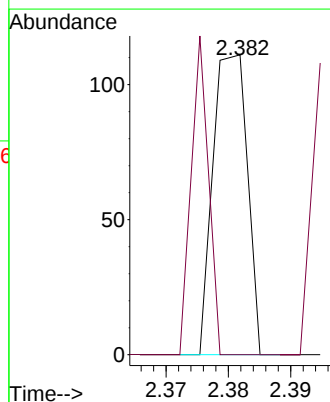
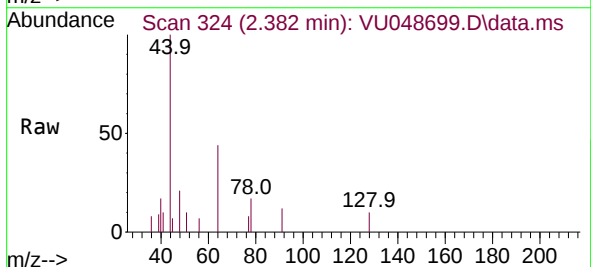
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

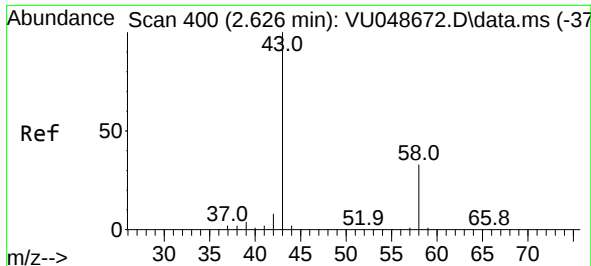
Tgt Ion: 59 Resp: 1543
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.382 min Scan# 324
Delta R.T. -0.106 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 56 Resp: 42
Ion Ratio Lower Upper
56 100
55 54.8 57.7 86.5#

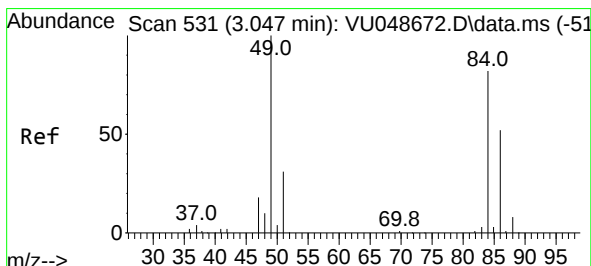
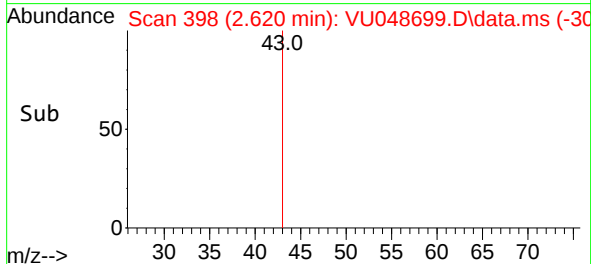
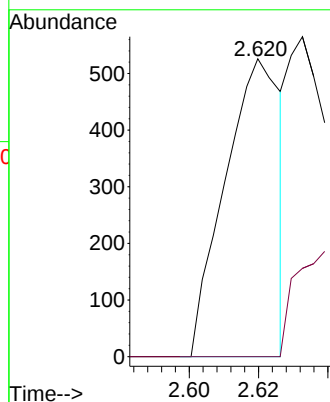
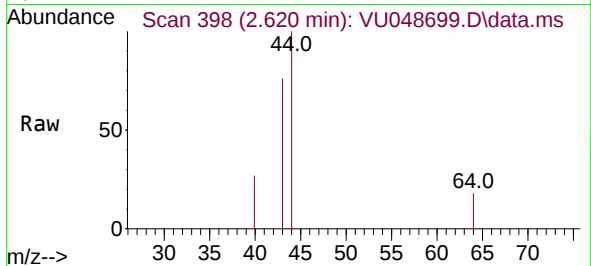




#16
Acetone
Concen: 0.349 ug/l
RT: 2.620 min Scan# 398
Delta R.T. -0.006 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

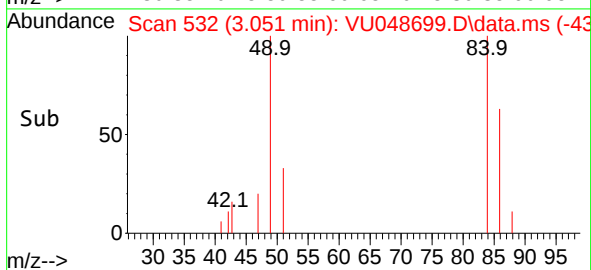
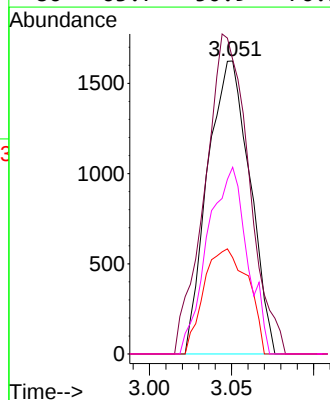
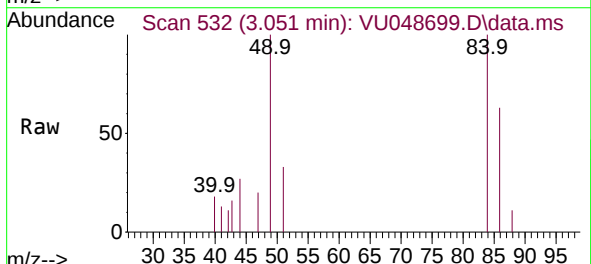
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

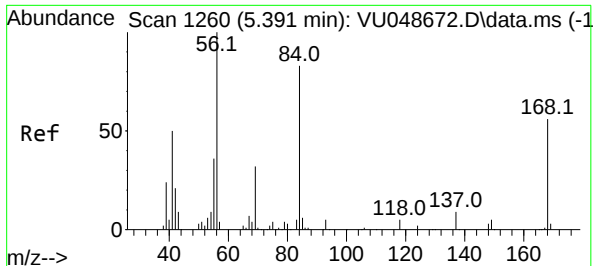
Tgt Ion: 43 Resp: 582
Ion Ratio Lower Upper
43 100
58 0.0 26.3 39.5#



#20
Methylene Chloride
Concen: 1.021 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 84 Resp: 2897
Ion Ratio Lower Upper
84 100
49 92.6 97.0 145.4#
51 32.9 29.8 44.8
86 63.7 50.9 76.3





#31

Cyclohexane

Concen: 1.165 ug/l

RT: 5.375 min Scan# 1

Delta R.T. -0.016 min

Lab File: VU048699.D

Acq: 27 May 2022 17:25

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

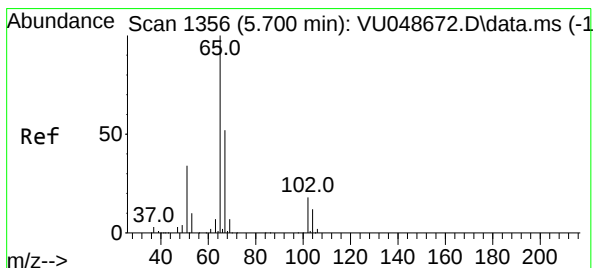
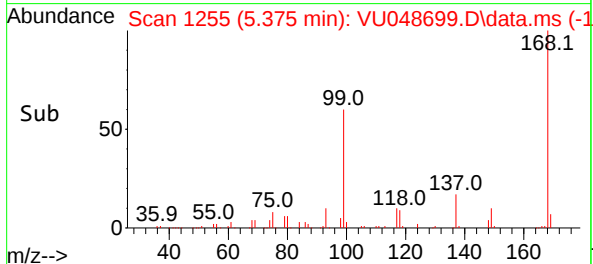
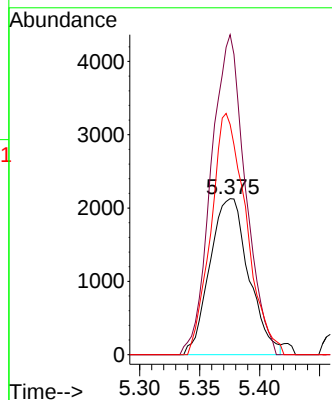
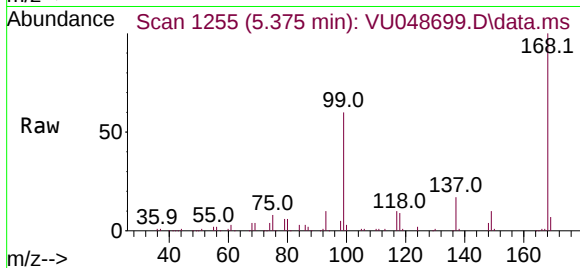
Tgt Ion: 56 Resp: 4806

Ion Ratio Lower Upper

56 100

69 205.0 25.6 38.4#

84 147.5 66.2 99.4#



#33

1,2-Dichloroethane-d4

Concen: 51.269 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. 0.003 min

Lab File: VU048699.D

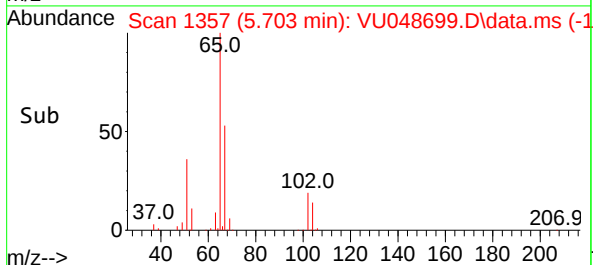
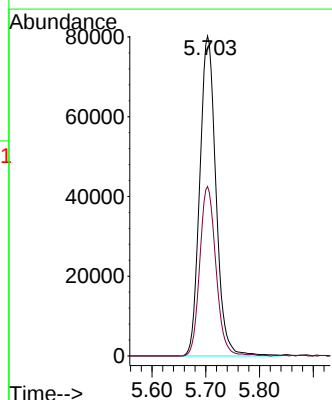
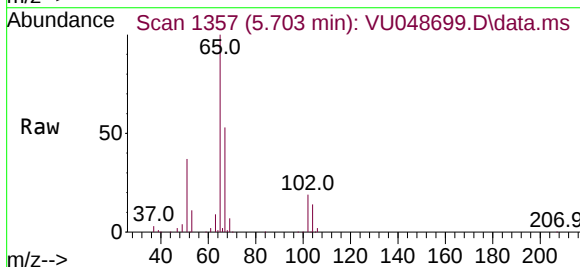
Acq: 27 May 2022 17:25

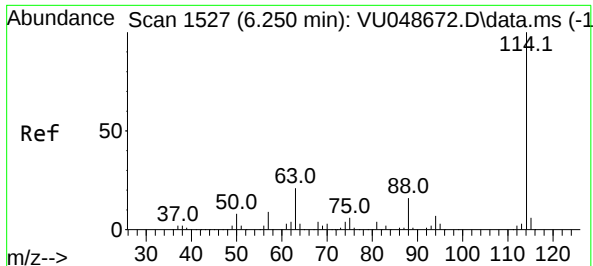
Tgt Ion: 65 Resp: 167819

Ion Ratio Lower Upper

65 100

67 52.7 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: VU048699.D

Acq: 27 May 2022 17:25

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

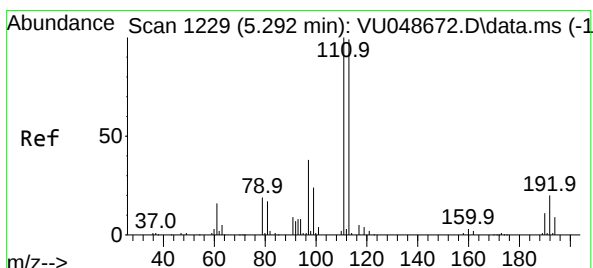
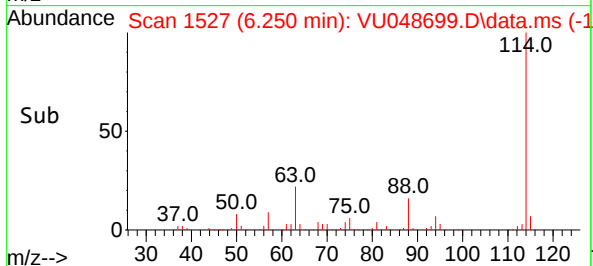
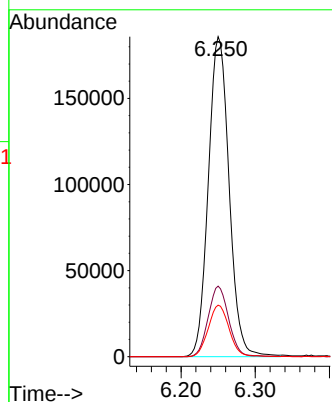
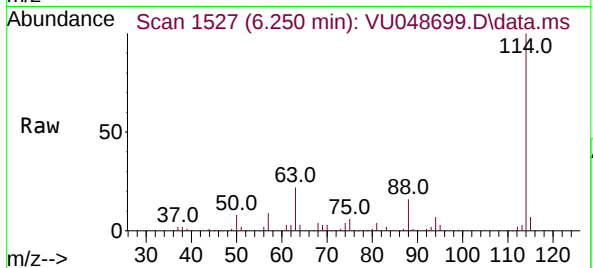
Tgt Ion:114 Resp: 360728

Ion Ratio Lower Upper

114 100

63 22.1 0.0 42.6

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 54.171 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. 0.000 min

Lab File: VU048699.D

Acq: 27 May 2022 17:25

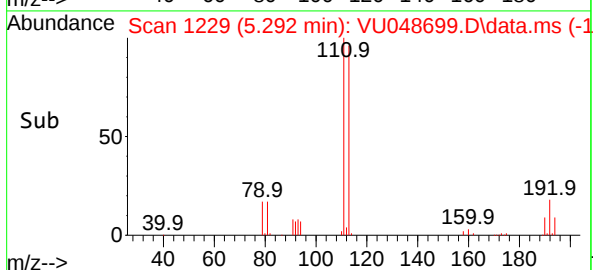
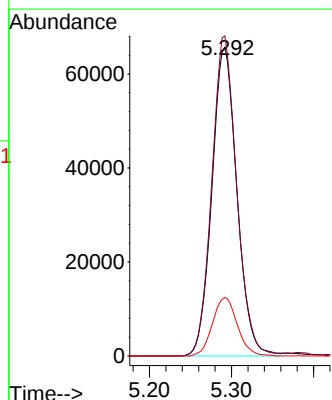
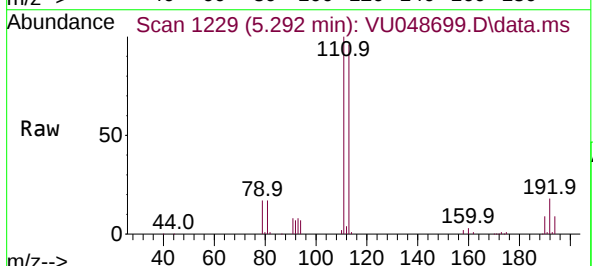
Tgt Ion:113 Resp: 139411

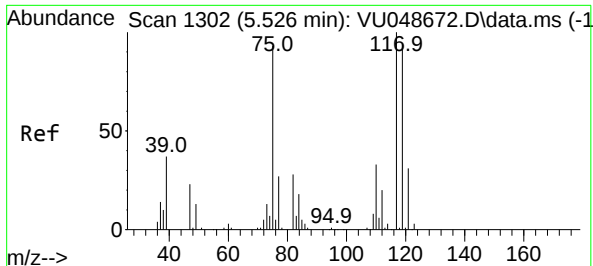
Ion Ratio Lower Upper

113 100

111 103.1 80.7 121.1

192 18.8 15.9 23.9





#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048699.D

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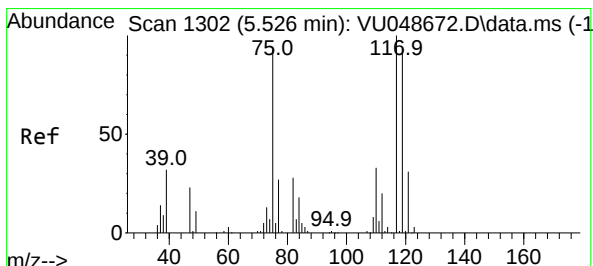
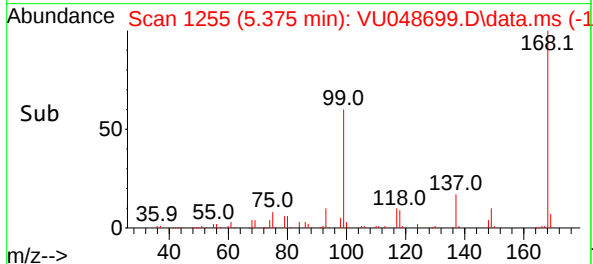
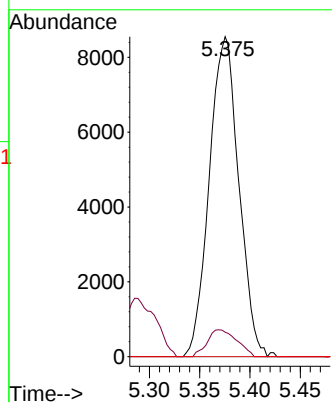
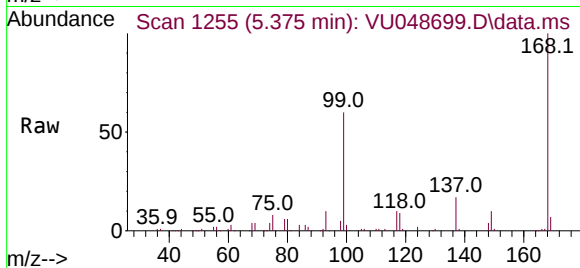
Tgt Ion: 75 Resp: 17467

Ion Ratio Lower Upper

75 100

110 8.4 17.4 52.3#

77 0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 4.996 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU048699.D

Acq: 27 May 2022 17:25

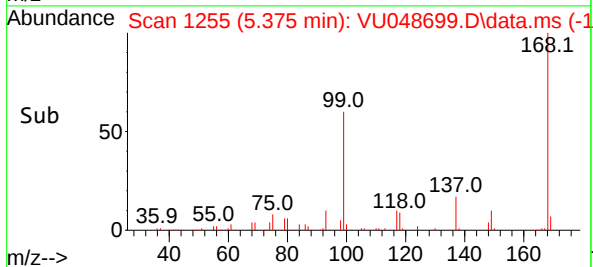
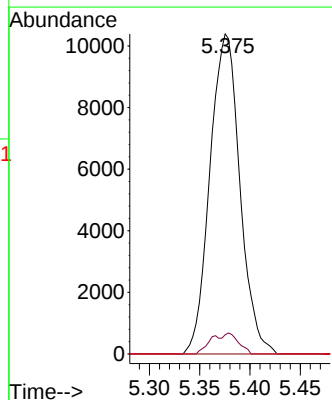
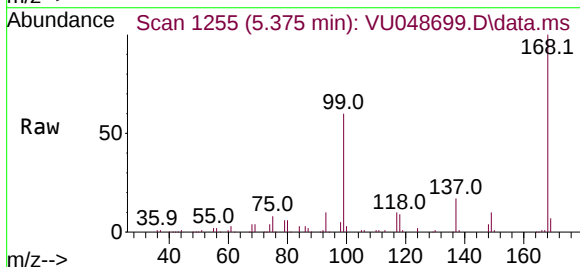
Tgt Ion: 117 Resp: 21528

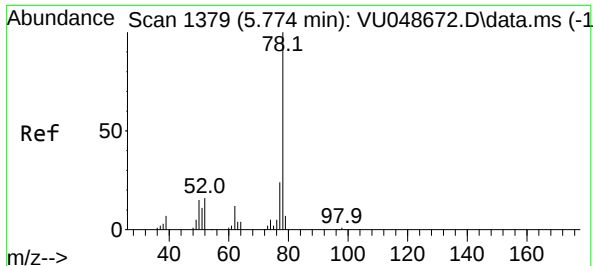
Ion Ratio Lower Upper

117 100

119 6.0 75.4 113.2#

121 0.0 24.6 36.8#

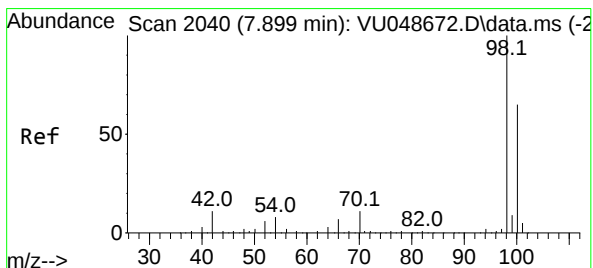
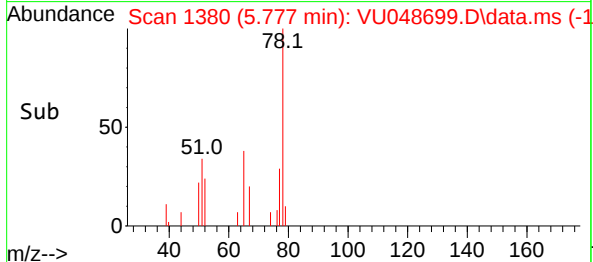
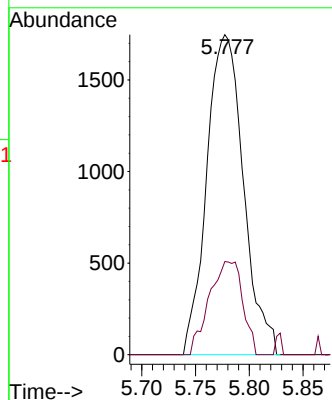
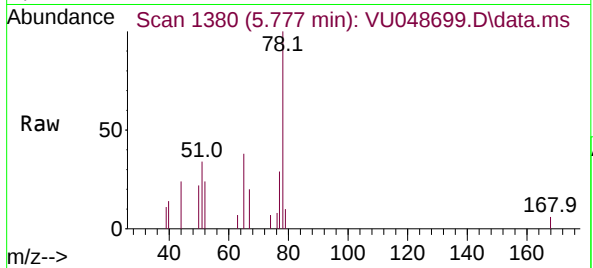




#40
Benzene
Concen: 0.374 ug/l
RT: 5.777 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

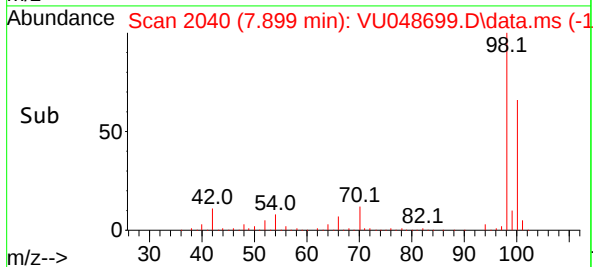
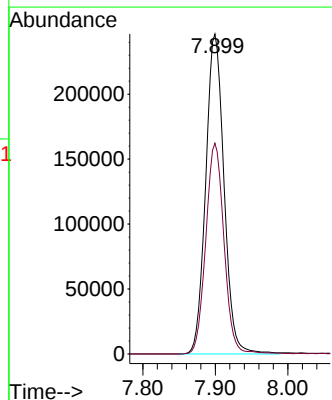
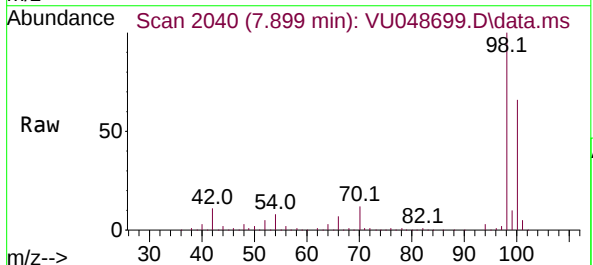
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

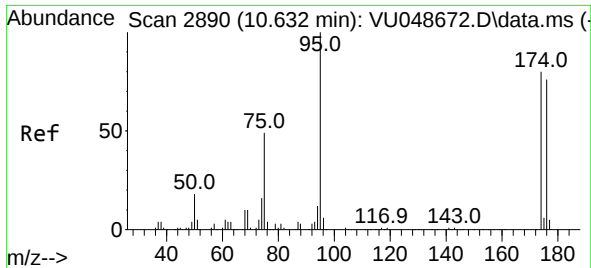
Tgt Ion: 78 Resp: 4148
Ion Ratio Lower Upper
78 100
77 29.1 19.0 28.6#



#50
Toluene-d8
Concen: 46.887 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 98 Resp: 432541
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4

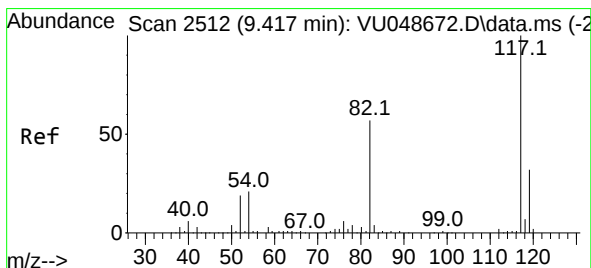
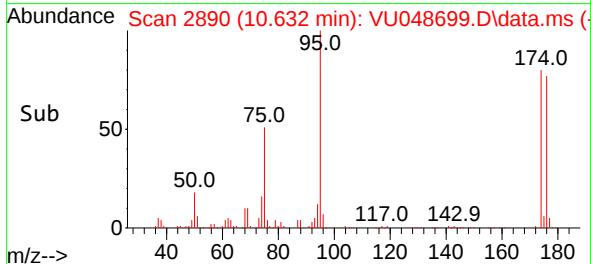
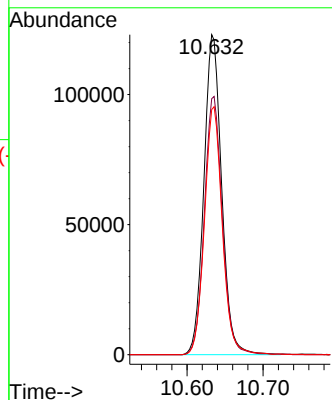
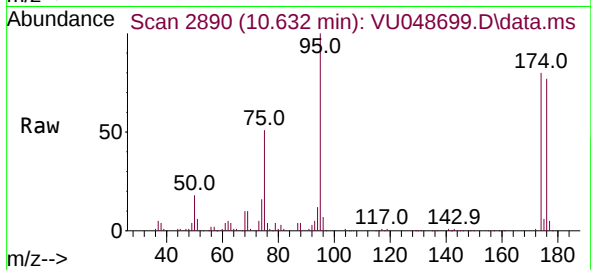




#62
4-Bromofluorobenzene
Concen: 57.315 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

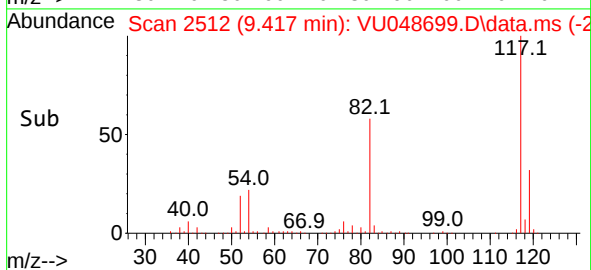
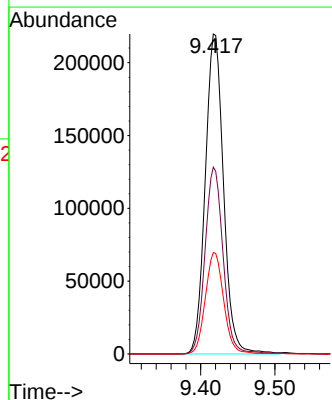
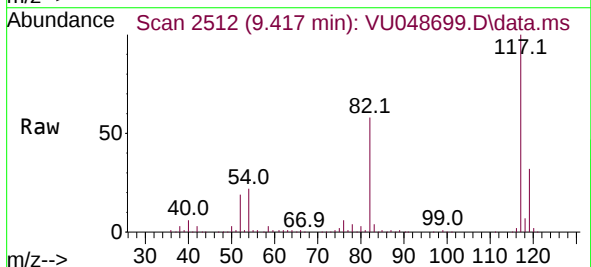
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

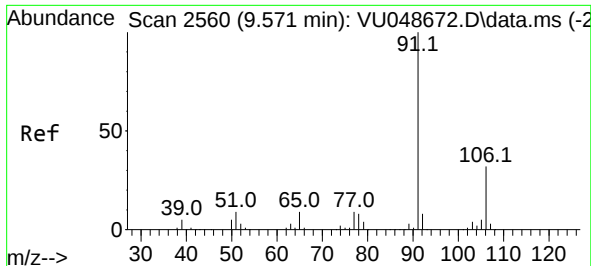
Tgt Ion: 95 Resp: 199965
Ion Ratio Lower Upper
95 100
174 81.7 0.0 159.4
176 77.8 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 117 Resp: 374887
Ion Ratio Lower Upper
117 100
82 58.4 45.3 67.9
119 31.7 25.4 38.2

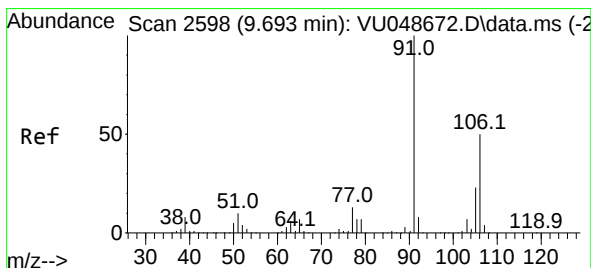
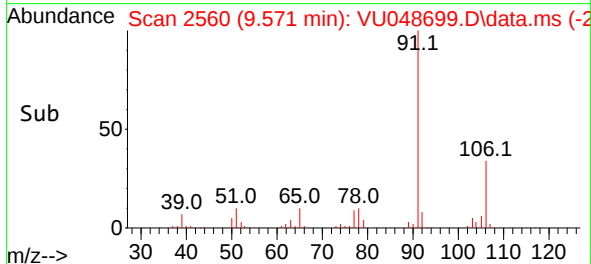
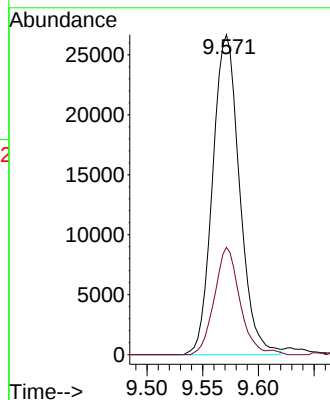
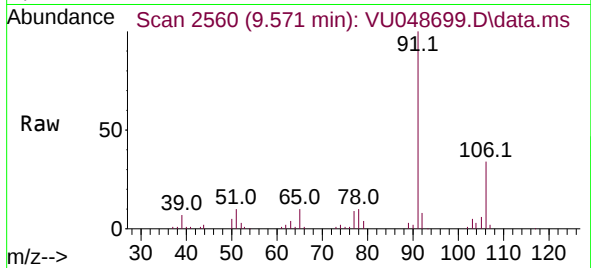




#67
Ethyl Benzene
Concen: 3.355 ug/l
RT: 9.571 min Scan# 2560
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

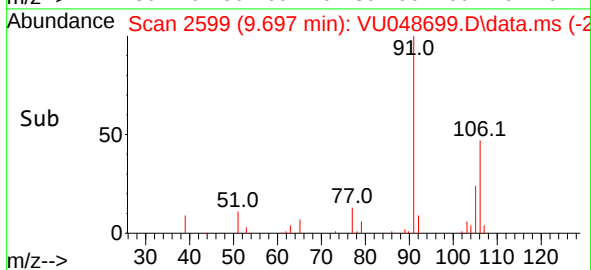
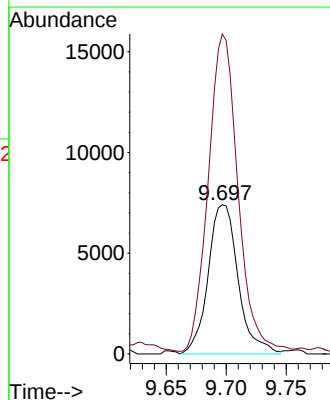
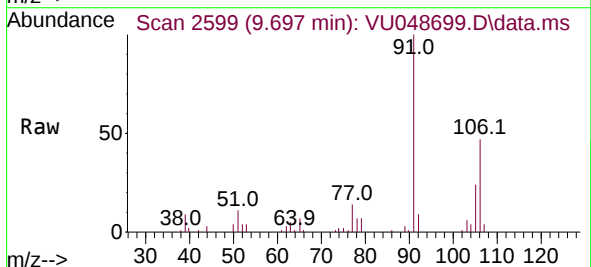
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

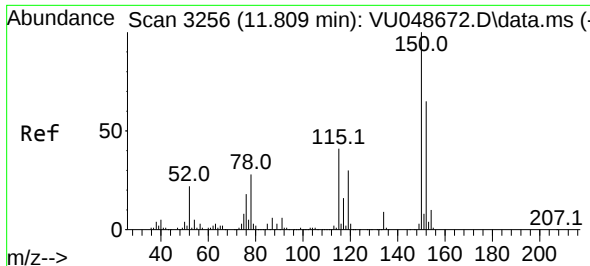
Tgt Ion: 91 Resp: 44860
Ion Ratio Lower Upper
91 100
106 33.5 25.4 38.2



#68
m/p-Xylenes
Concen: 2.469 ug/l
RT: 9.697 min Scan# 2599
Delta R.T. 0.003 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 106 Resp: 12914
Ion Ratio Lower Upper
106 100
91 209.1 162.4 243.6

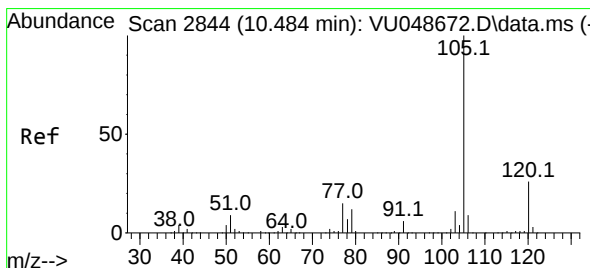
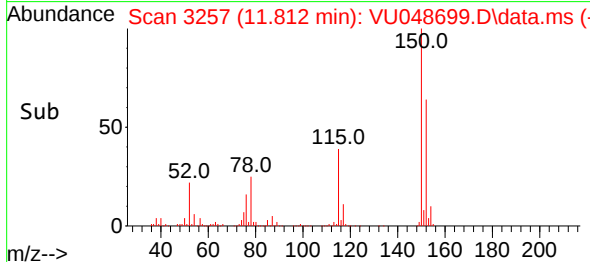
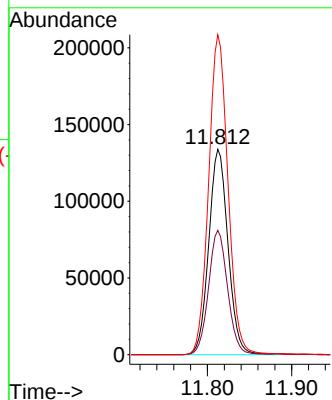
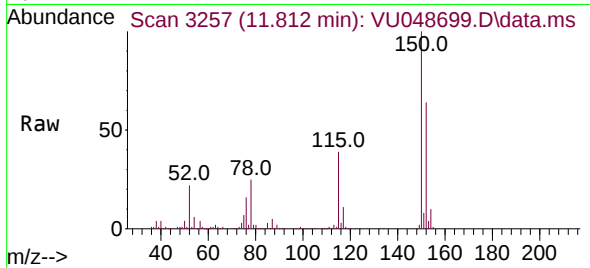




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

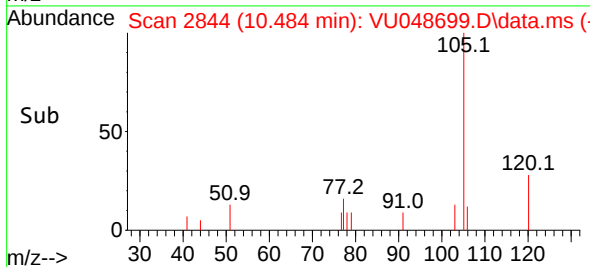
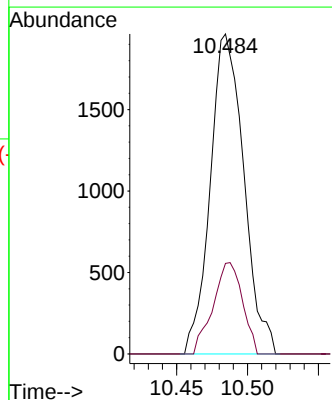
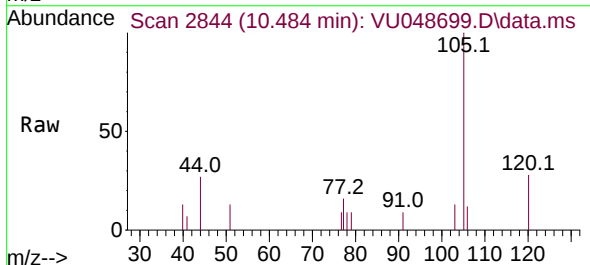
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

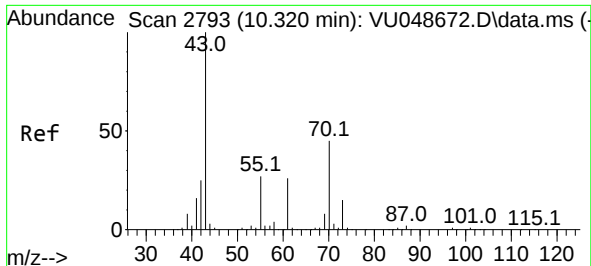
Tgt Ion:152 Resp: 212790
Ion Ratio Lower Upper
152 100
115 59.9 41.8 125.4
150 156.4 0.0 341.0



#73
Isopropylbenzene
Concen: 0.235 ug/l
RT: 10.484 min Scan# 2844
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion:105 Resp: 3229
Ion Ratio Lower Upper
105 100
120 25.0 12.9 38.6

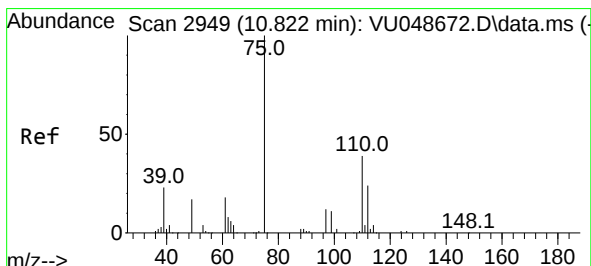
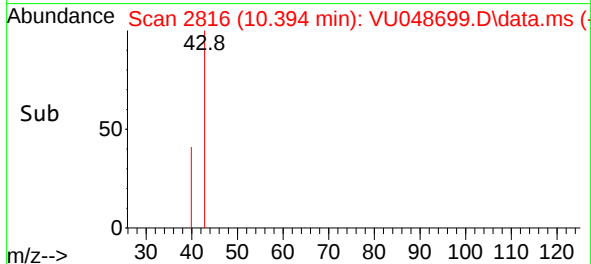
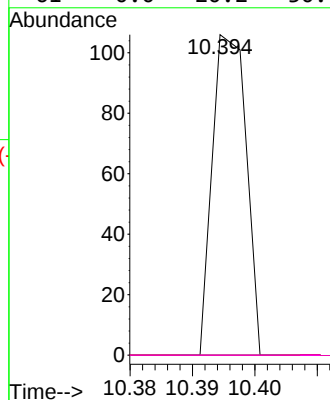
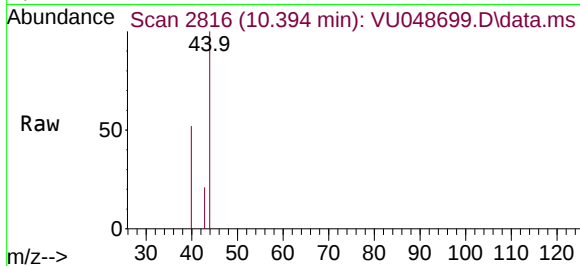




#74
N-amy1 acetate
Concen: 2.472 ug/l
RT: 10.394 min Scan# 2816
Delta R.T. 0.074 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

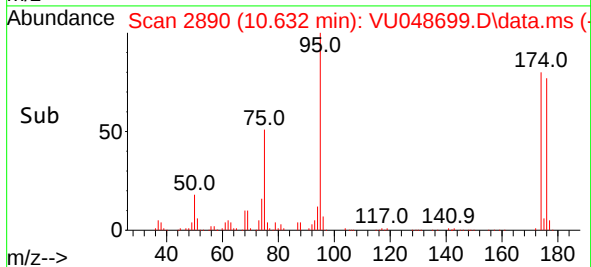
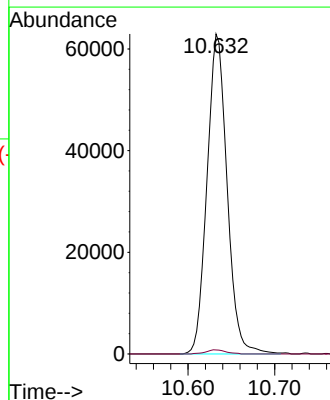
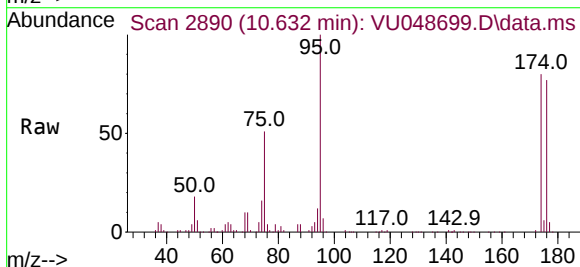
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

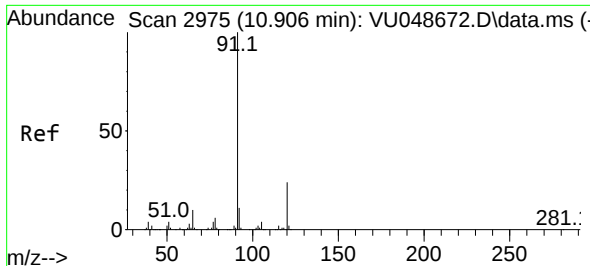
Tgt Ion: 43	Resp: 40
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 14.772 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 75	Resp: 101351
Ion Ratio	Lower Upper
75 100	
77 1.3	14.8 44.3#

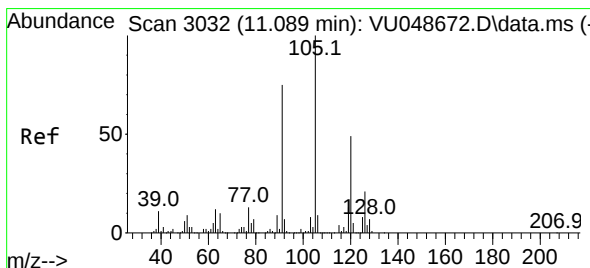
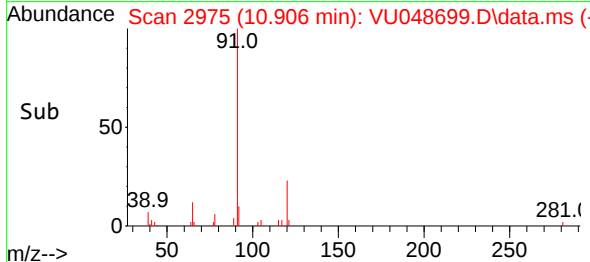
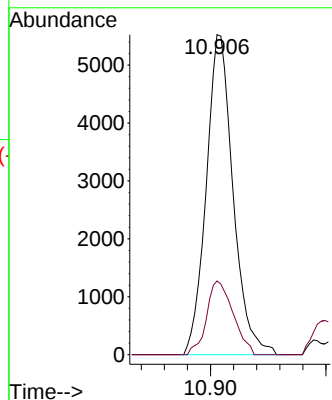
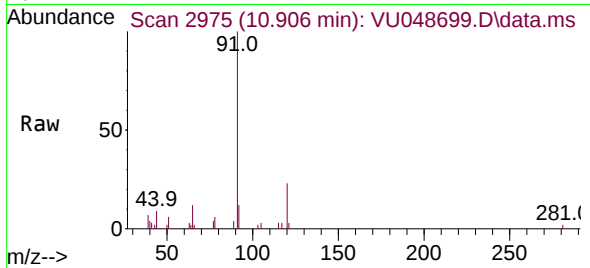




#78
n-propylbenzene
Concen: 0.545 ug/l
RT: 10.906 min Scan# 2975
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

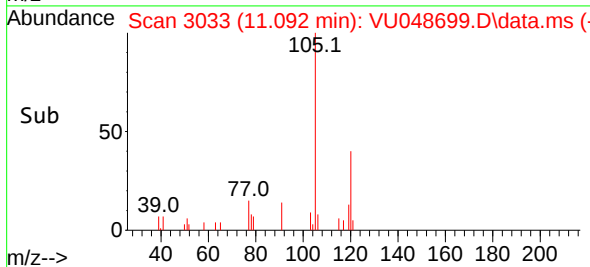
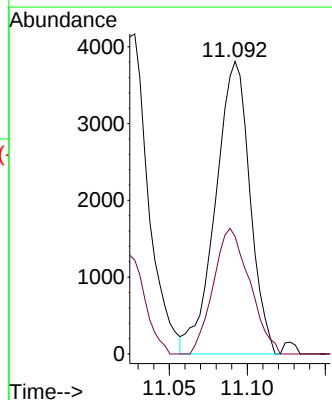
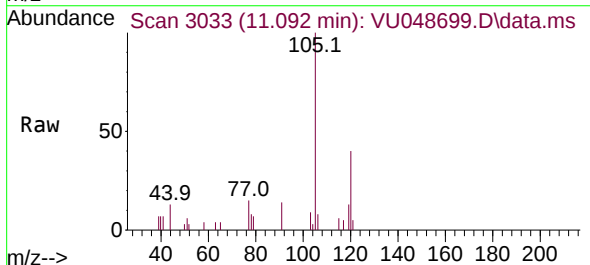
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

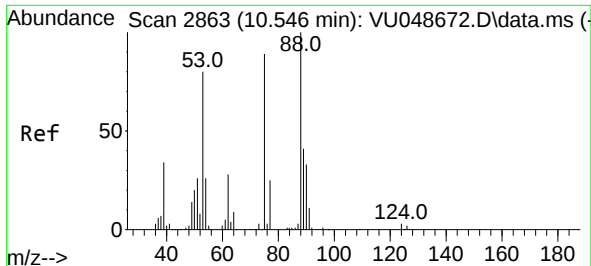
Tgt Ion: 91 Resp: 8919
Ion Ratio Lower Upper
91 100
120 22.7 11.6 34.7



#80
1,3,5-Trimethylbenzene
Concen: 0.489 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion: 105 Resp: 5842
Ion Ratio Lower Upper
105 100
120 45.4 24.1 72.3

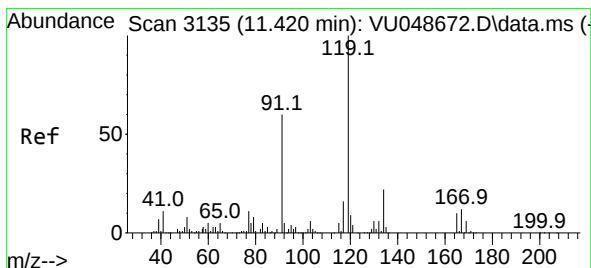
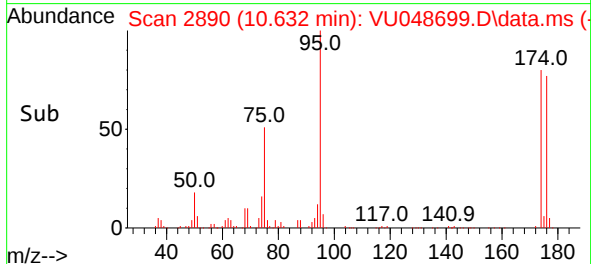
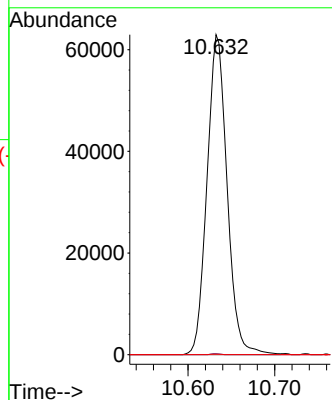
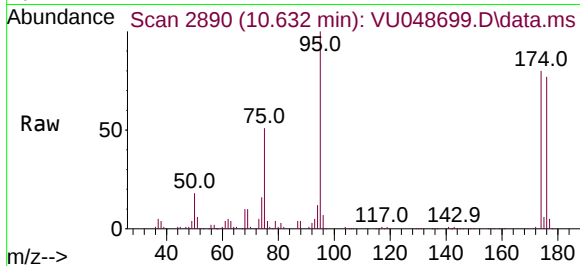




#81
 trans-1,4-Dichloro-2-butene
 Concen: 53.636 ug/l
 RT: 10.632 min Scan# 21
 Delta R.T. 0.087 min
 Lab File: VU048699.D
 Acq: 27 May 2022 17:25

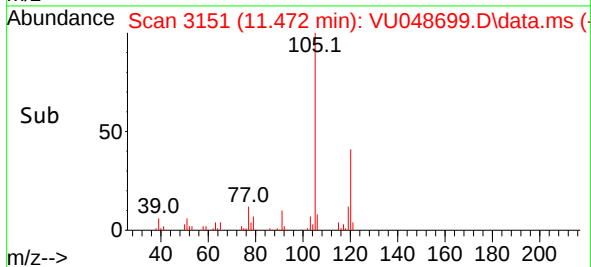
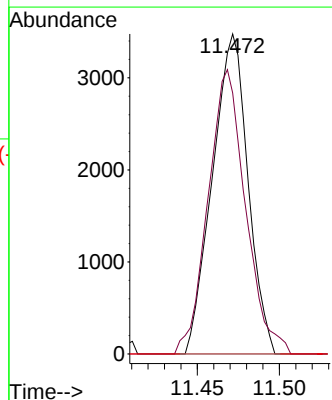
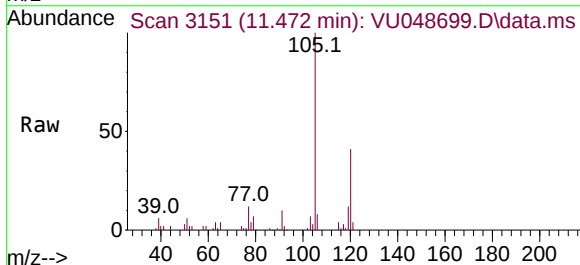
Instrument :
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 ClientSampleId :
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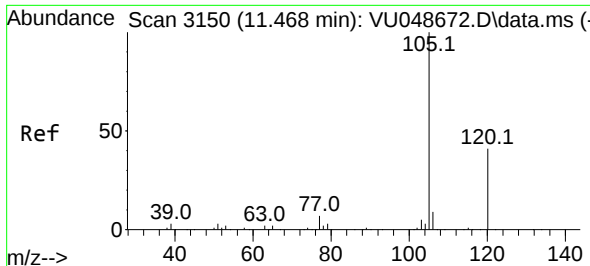
Tgt Ion: 75 Resp: 101351
 Ion Ratio Lower Upper
 75 100
 53 0.2 72.5 108.7#
 89 0.0 37.0 55.4#



#83
 tert-Butylbenzene
 Concen: 0.456 ug/l
 RT: 11.472 min Scan# 3151
 Delta R.T. 0.052 min
 Lab File: VU048699.D
 Acq: 27 May 2022 17:25

Tgt Ion: 119 Resp: 5229
 Ion Ratio Lower Upper
 119 100
 91 93.6 28.7 86.1#
 134 0.0 10.8 32.4#

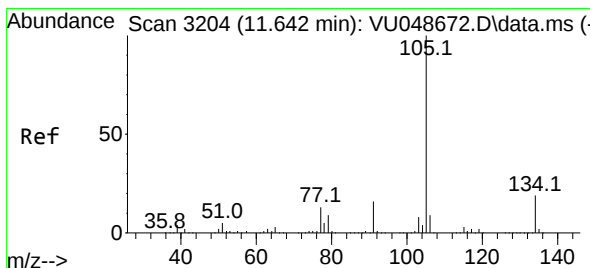
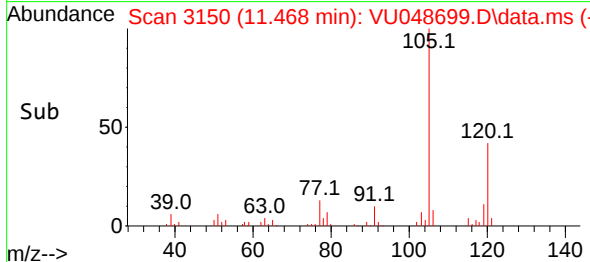
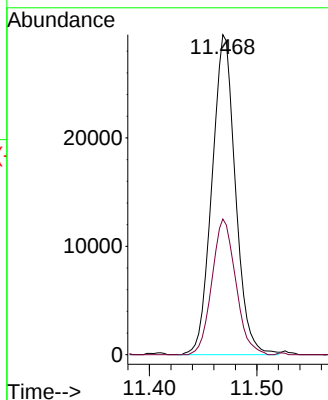
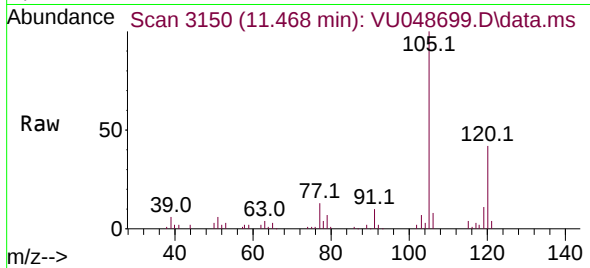




#84
1,2,4-Trimethylbenzene
Concen: 4.578 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

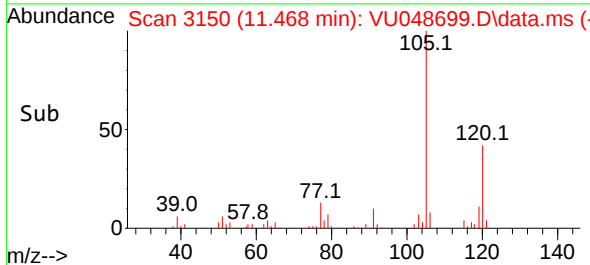
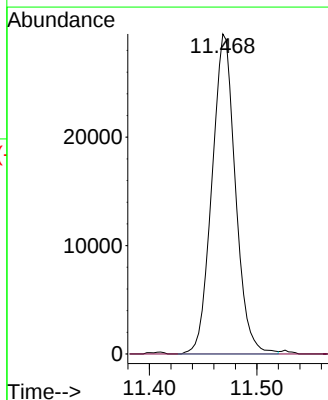
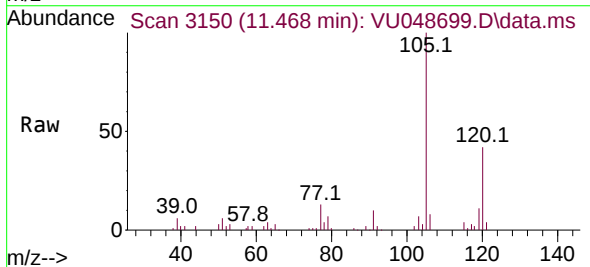
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

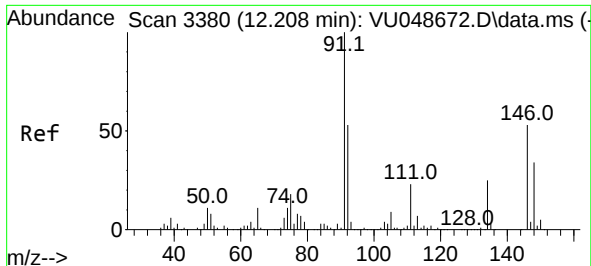
Tgt Ion:105 Resp: 44721
Ion Ratio Lower Upper
105 100
120 43.0 22.5 67.5



#85
sec-Butylbenzene
Concen: 3.118 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. -0.174 min
Lab File: VU048699.D
Acq: 27 May 2022 17:25

Tgt Ion:105 Resp: 44721
Ion Ratio Lower Upper
105 100
134 0.0 9.6 28.6#





#89

n-Butylbenzene

Concen: 2.324 ug/l

RT: 12.208 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU048699.D

Acq: 27 May 2022 17:25

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

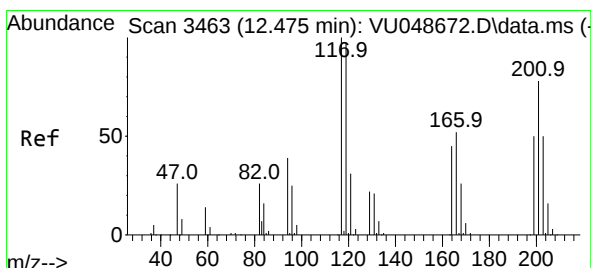
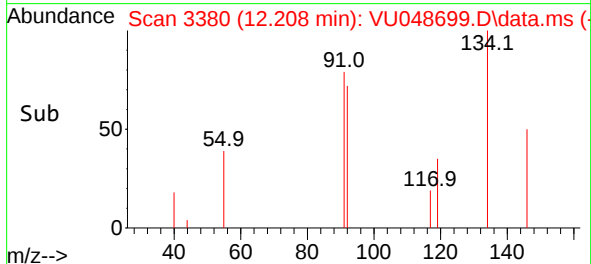
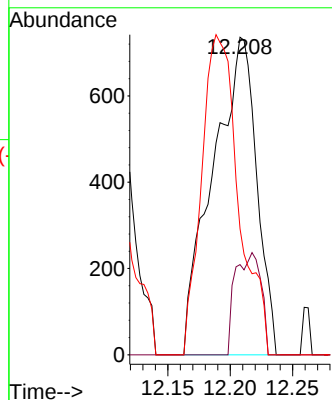
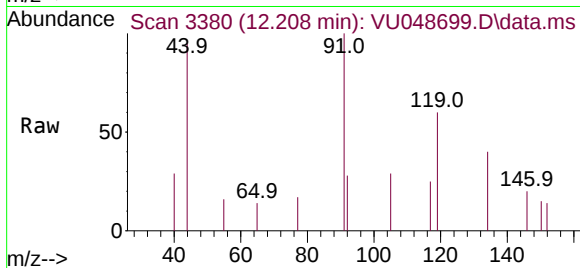
Tgt Ion: 91 Resp: 1793

Ion Ratio Lower Upper

91 100

92 18.9 25.9 77.8#

134 0.0 12.5 37.5#



#90

Hexachloroethane

Concen: 0.243 ug/l

RT: 12.468 min Scan# 3461

Delta R.T. -0.006 min

Lab File: VU048699.D

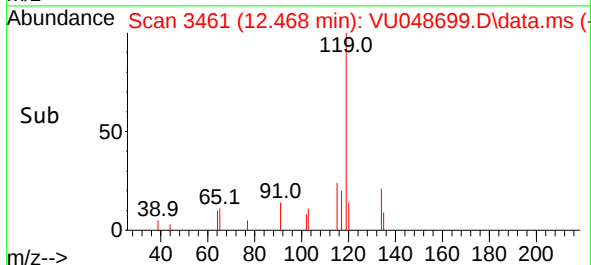
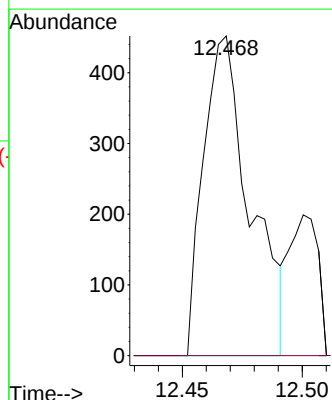
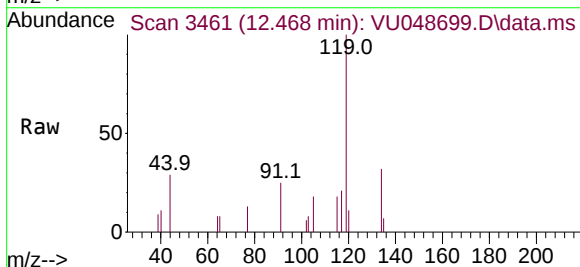
Acq: 27 May 2022 17:25

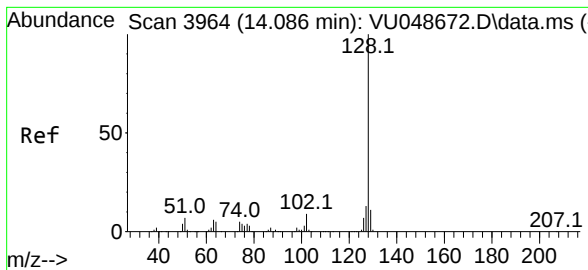
Tgt Ion: 117 Resp: 611

Ion Ratio Lower Upper

117 100

201 0.0 39.6 119.0#





#95
 Naphthalene
 Concen: 14.514 ug/l
 RT: 14.089 min Scan# 3965
 Delta R.T. 0.003 min
 Lab File: VU048699.D
 Acq: 27 May 2022 17:25

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Tgt Ion:	128	Resp:	211390
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.4
129	11.0	8.7	13.1

