

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060122\
 Data File : VU048785.D
 Acq On : 01 Jun 2022 17:19
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Jun 02 05:05:47 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)

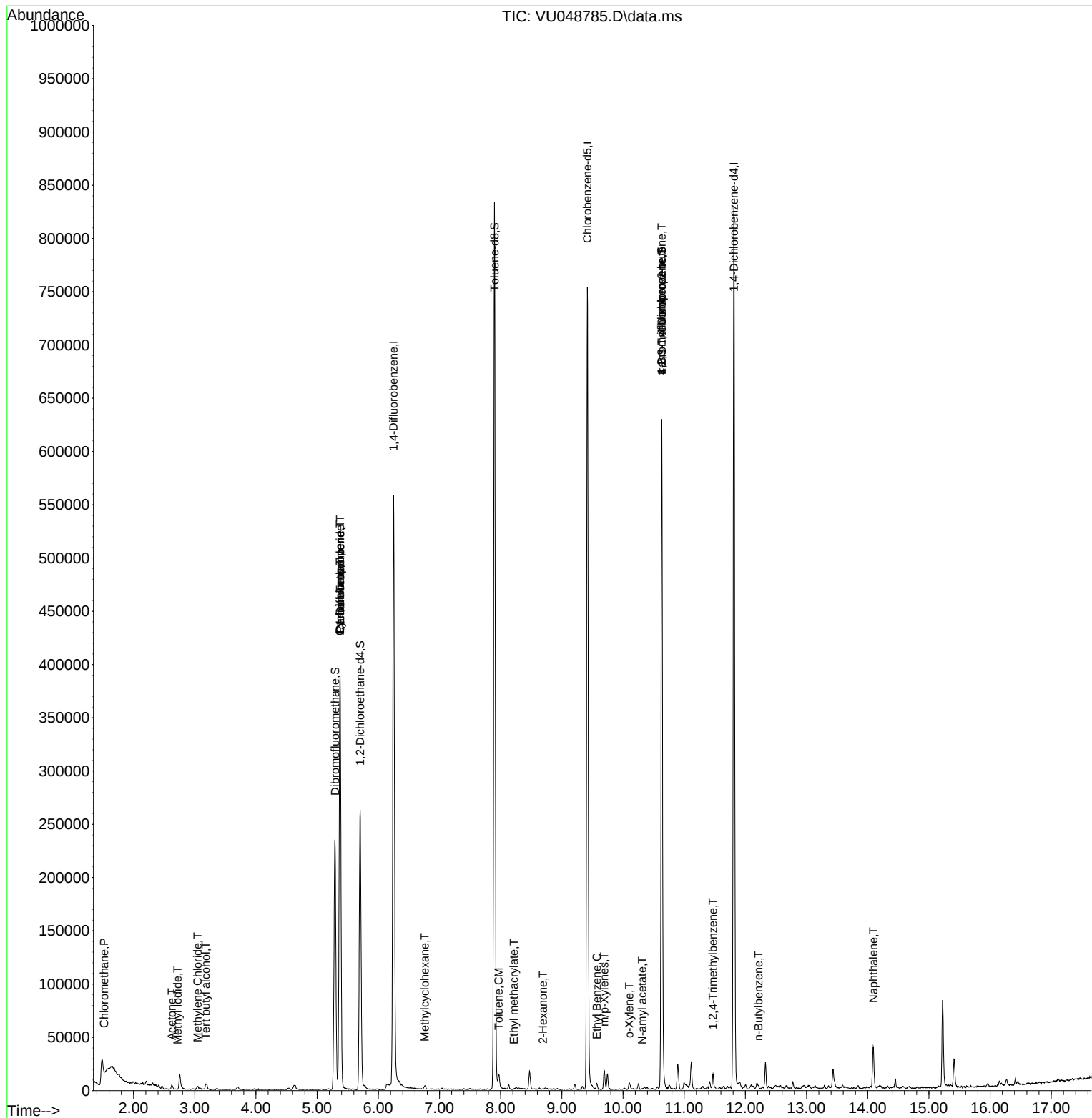
Internal Standards						
1) Pentafluorobenzene	5.375	168	270636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	453400	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	429492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	223722	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	200218	49.261	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	98.520%		
35) Dibromofluoromethane	5.292	113	157969	48.836	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	97.680%		
50) Toluene-d8	7.899	98	561546	48.430	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.860%		
62) 4-Bromofluorobenzene	10.632	95	217606	49.623	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	99.240%		
Target Compounds					Qvalue	
3) Chloromethane	1.520	50	942	0.236	ug/l	93
5) Bromomethane	1.855	94	132	Below Cal	#	49
6) Chloroethane	1.948	64	425	Below Cal		97
10) Methyl Iodide	2.719	142	21	3.009	ug/l #	37
11) Tert butyl alcohol	3.179	59	3271	3.174	ug/l #	28
13) Acrolein	2.279	56	19	Below Cal	#	14
16) Acetone	2.626	43	4359	2.104	ug/l #	87
20) Methylene Chloride	3.044	84	1557	0.442	ug/l #	84
31) Cyclohexane	5.372	56	5887	1.149	ug/l #	1
36) 1,1-Dichloropropene	5.372	75	21058	4.461	ug/l #	50
38) Carbon Tetrachloride	5.375	117	27149	5.013	ug/l #	17
39) Methylcyclohexane	6.761	83	1440	0.291	ug/l	90
52) Toluene	7.967	92	4563	0.547	ug/l	88
56) Ethyl methacrylate	8.218	69	20	2.617	ug/l #	1
59) 2-Hexanone	8.693	43	1300	0.282	ug/l #	30
67) Ethyl Benzene	9.574	91	4423	0.289	ug/l	98
68) m/p-Xylenes	9.693	106	5229	0.873	ug/l	95
69) o-Xylene	10.102	106	1788	0.304	ug/l	94
74) N-amyl acetate	10.314	43	248	2.499	ug/l #	51
76) 1,2,3-Trichloropropane	10.632	75	107357	14.883	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	107357	54.039	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	7507	1.728	ug/l	94
89) n-Butylbenzene	12.214	91	936	2.254	ug/l #	75
95) Naphthalene	14.092	128	34078	4.370	ug/l	98

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

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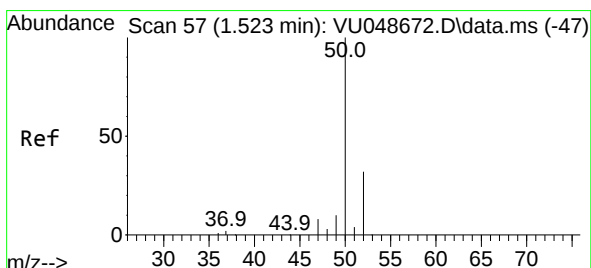
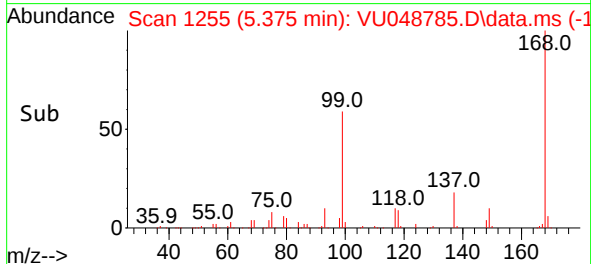
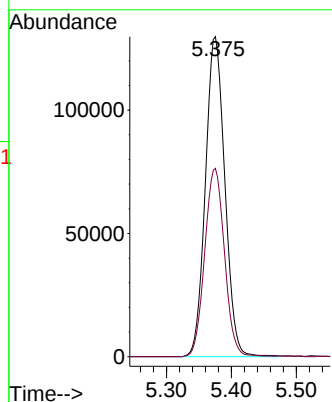
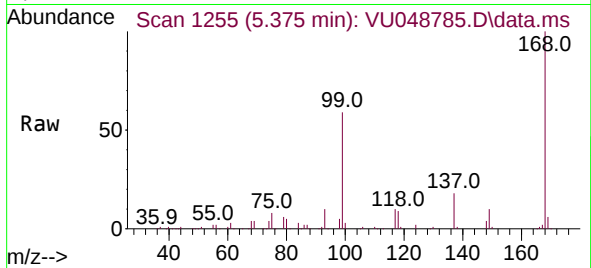




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

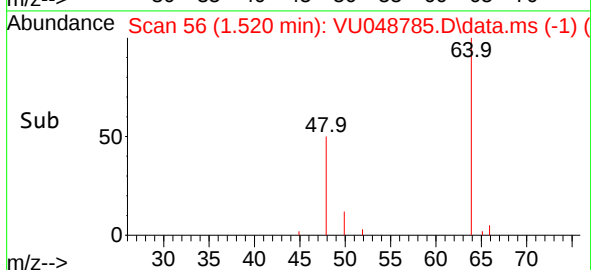
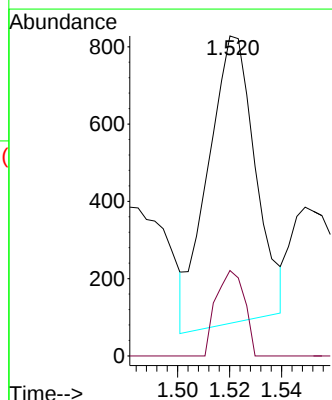
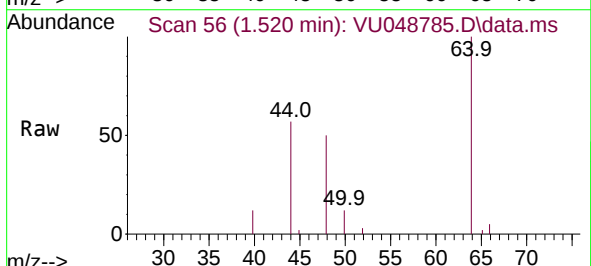
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

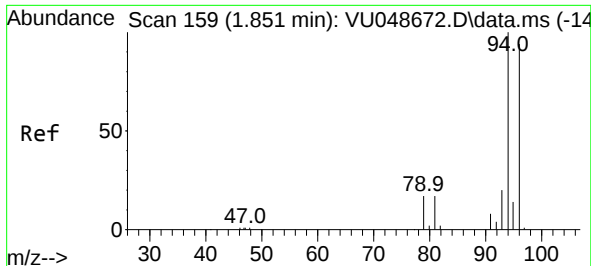
Tgt Ion:168 Resp: 270636
Ion Ratio Lower Upper
168 100
99 58.8 49.3 73.9



#3
Chloromethane
Concen: 0.236 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 50 Resp: 942
Ion Ratio Lower Upper
50 100
52 36.2 25.7 38.5

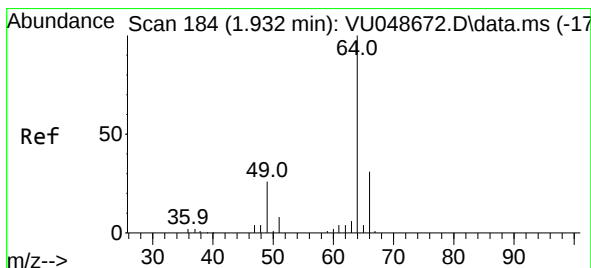
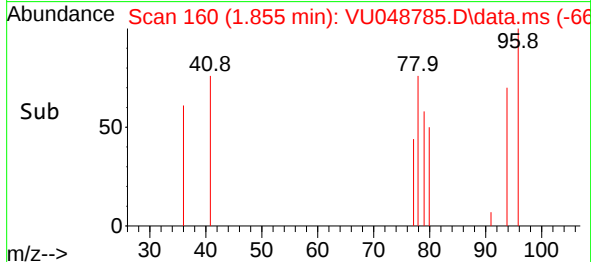
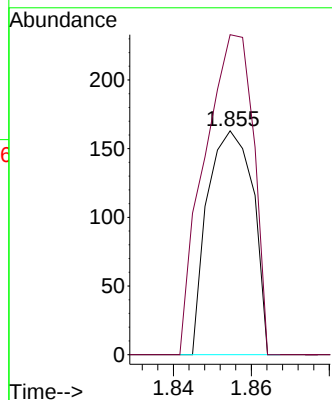
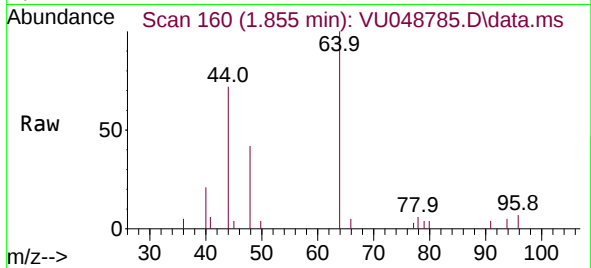




#5
Bromomethane
Concen: Below Cal
RT: 1.855 min Scan# 1
Delta R.T. 0.004 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

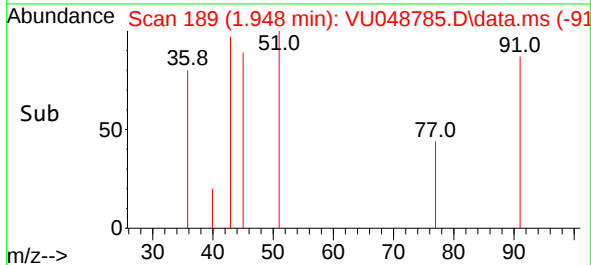
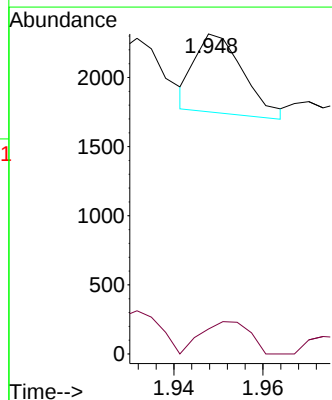
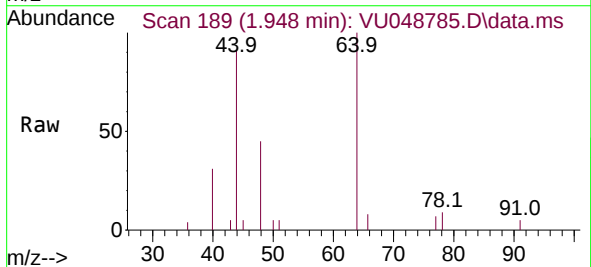
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

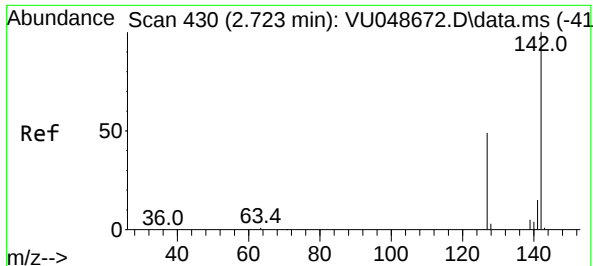
Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 142.9 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 64 Resp: 425
Ion Ratio Lower Upper
64 100
66 33.4 25.2 37.8

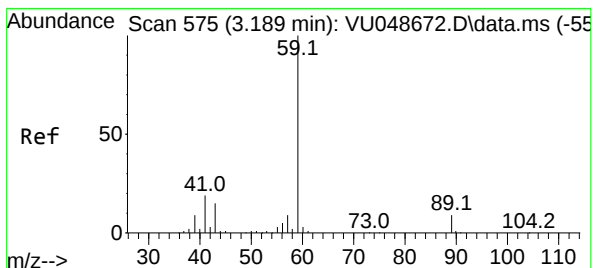
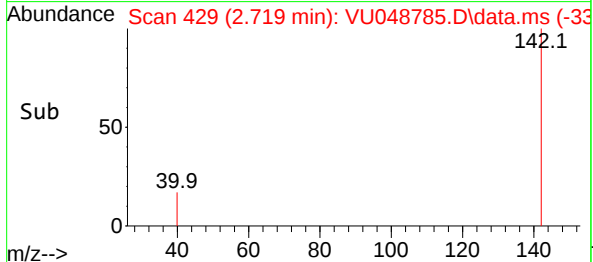
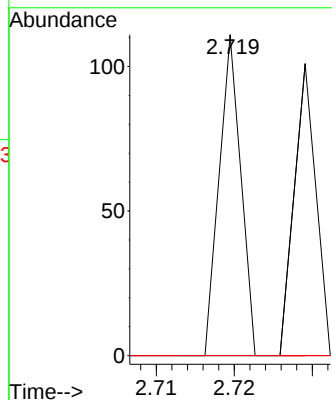
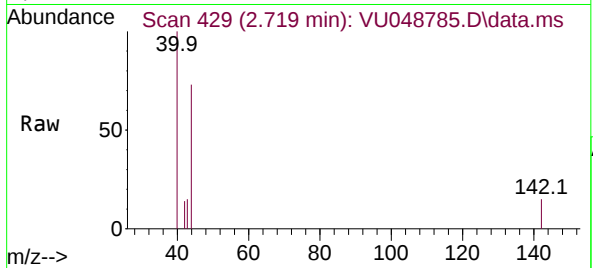




#10
Methyl Iodide
Concen: 3.009 ug/l
RT: 2.719 min Scan# 41
Delta R.T. -0.004 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

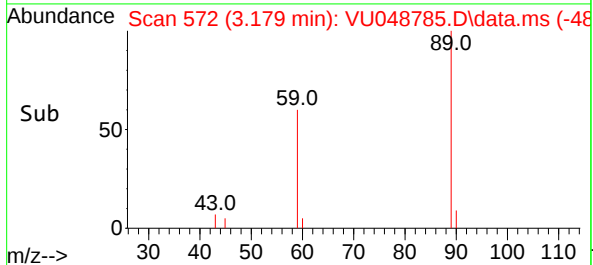
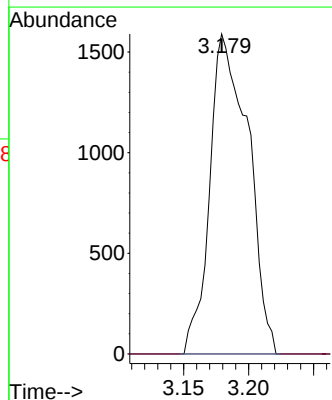
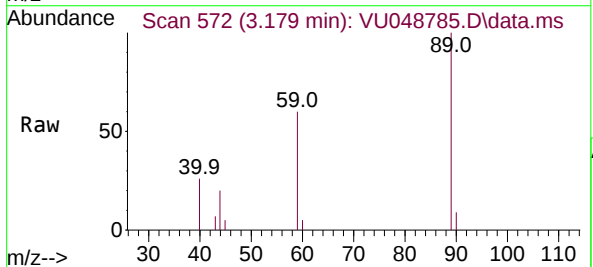
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

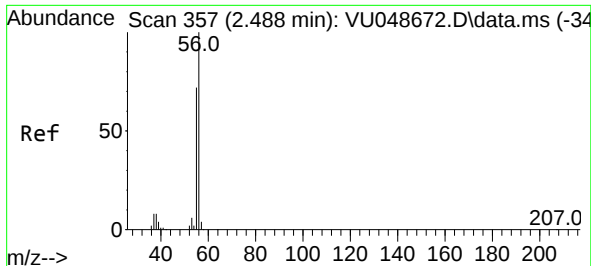
Tgt Ion:142 Resp: 21
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#



#11
Tert butyl alcohol
Concen: 3.174 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 59 Resp: 3271
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

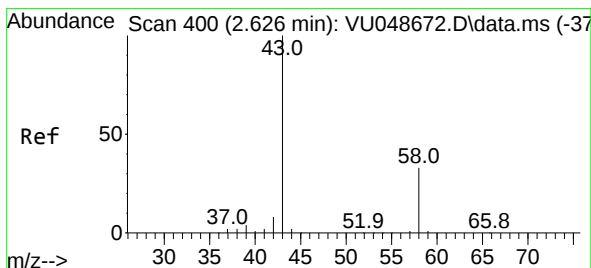
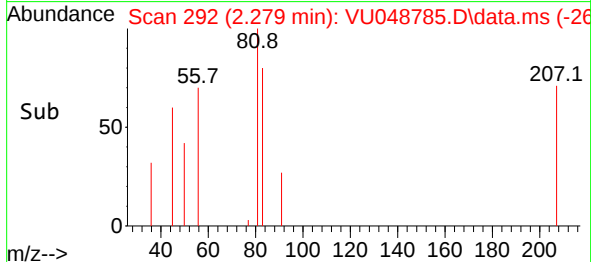
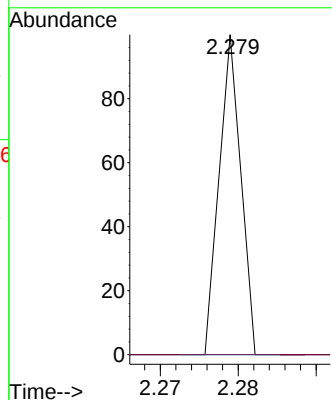
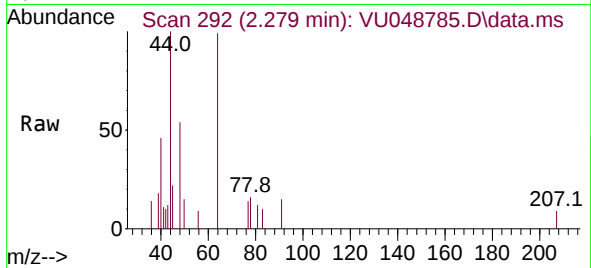




#13
Acrolein
Concen: Below Cal
RT: 2.279 min Scan# 292
Delta R.T. -0.209 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

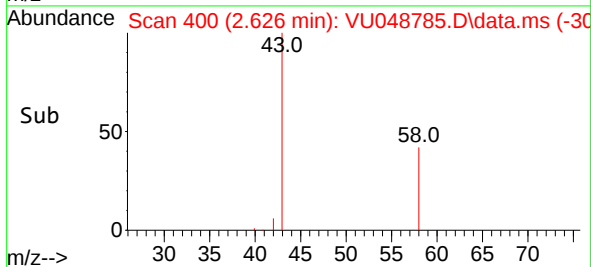
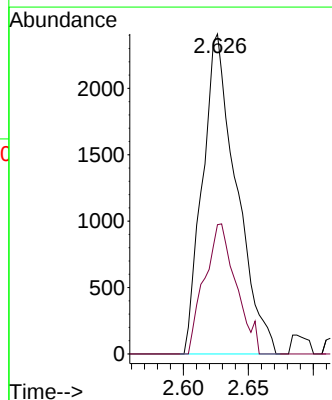
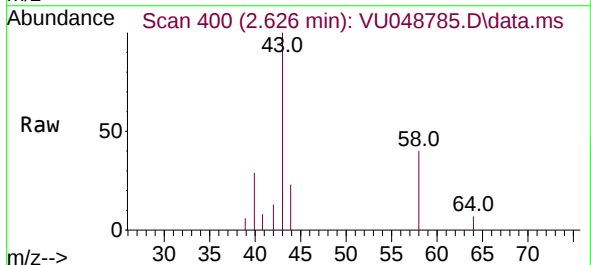
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

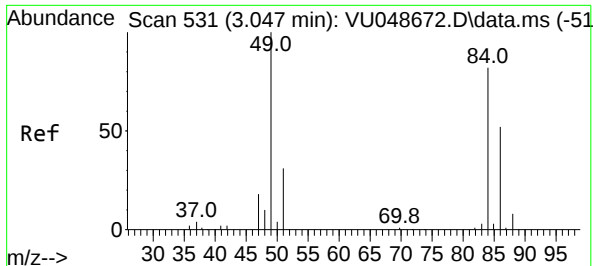
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#16
Acetone
Concen: 2.104 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 43 Resp: 4359
Ion Ratio Lower Upper
43 100
58 40.4 26.3 39.5#

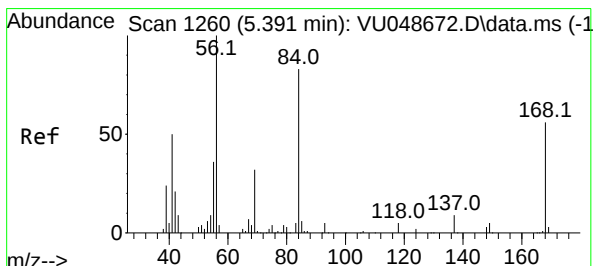
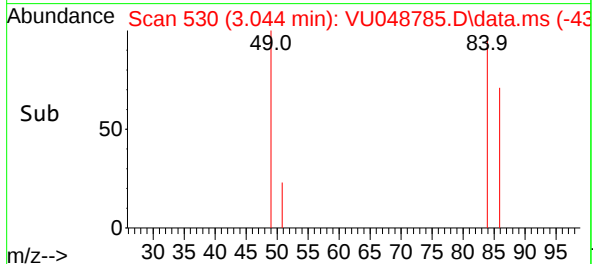
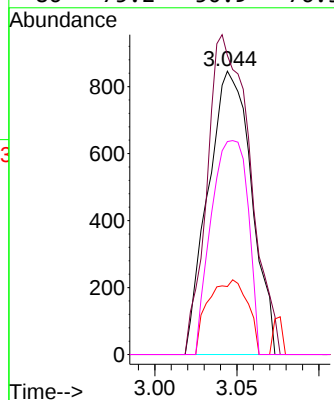
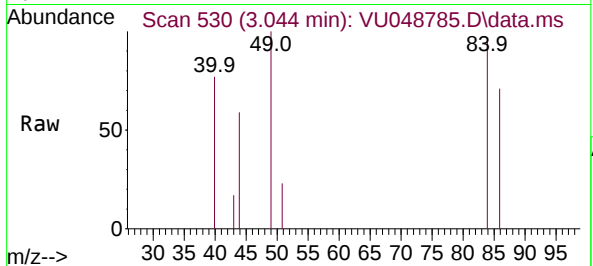




#20
Methylene Chloride
Concen: 0.442 ug/l
RT: 3.044 min Scan# 51
Delta R.T. -0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

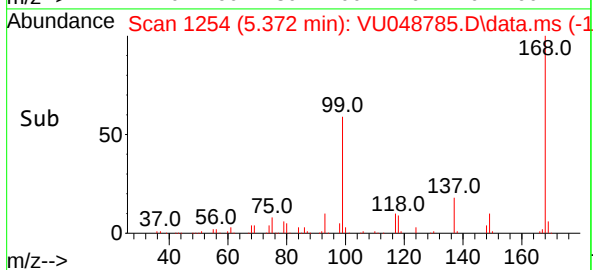
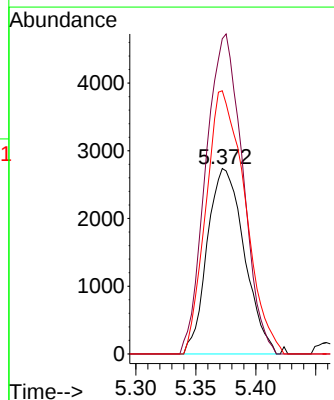
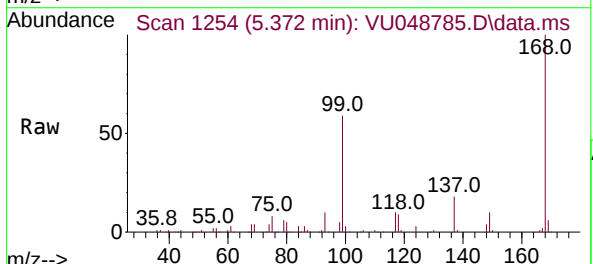
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

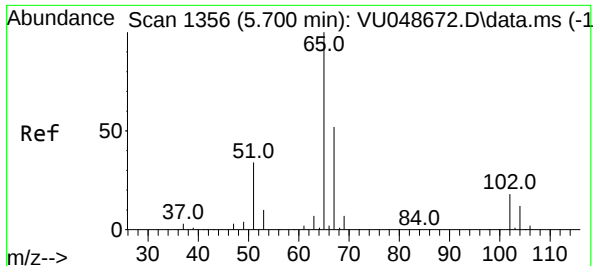
Tgt Ion: 84	Resp: 1557
Ion Ratio	Lower Upper
84 100	
49 105.6	97.0 145.4
51 24.0	29.8 44.8#
86 75.2	50.9 76.3



#31
Cyclohexane
Concen: 1.149 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 56	Resp: 5887		
Ion Ratio	Lower	Upper	
56 100			
69 170.0	25.6	38.4#	
84 141.9	66.2	99.4#	





#33

1,2-Dichloroethane-d4

Concen: 49.261 ug/l

RT: 5.703 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048785.D

Acq: 01 Jun 2022 17:19

Instrument :

MSVOA_U

ClientSampleId :

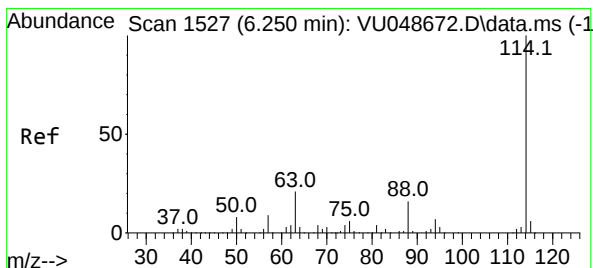
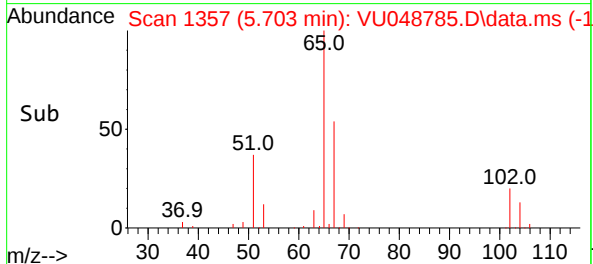
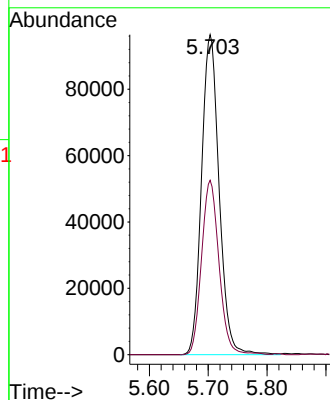
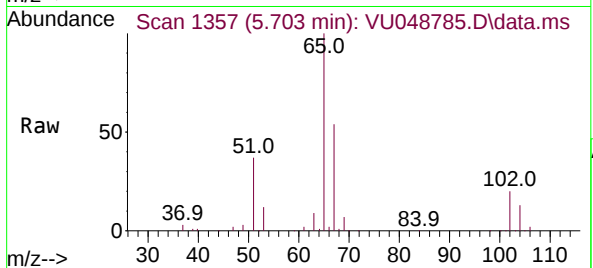
VIBLK

Tgt Ion: 65 Resp: 200218

Ion Ratio Lower Upper

65 100

67 54.2 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1527

Delta R.T. -0.000 min

Lab File: VU048785.D

Acq: 01 Jun 2022 17:19

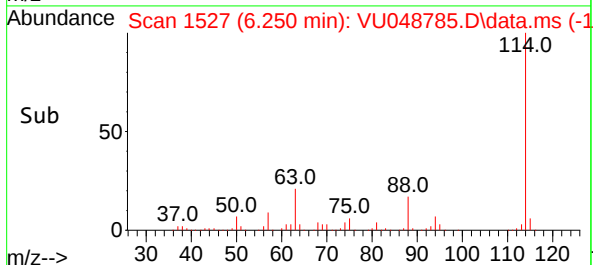
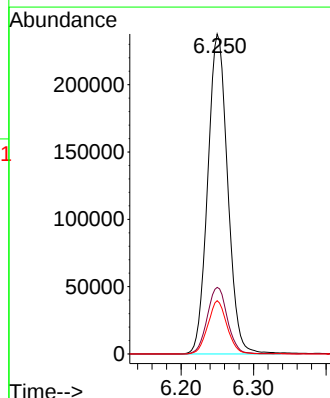
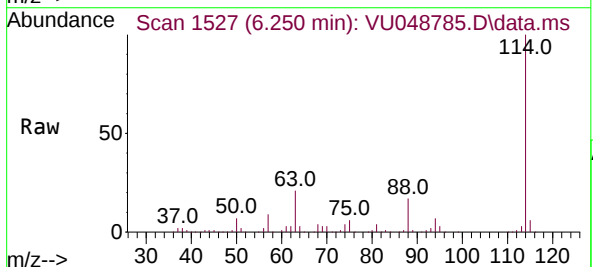
Tgt Ion: 114 Resp: 453400

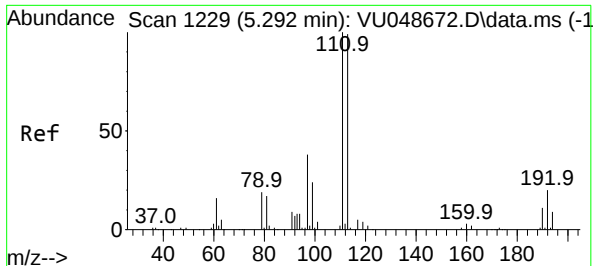
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.7 0.0 32.2

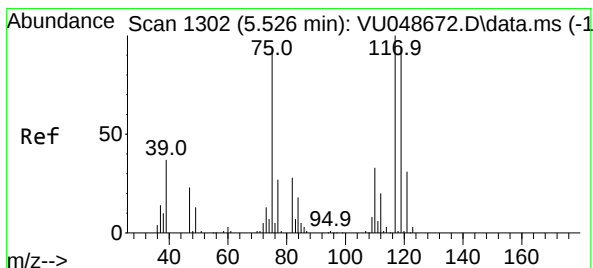
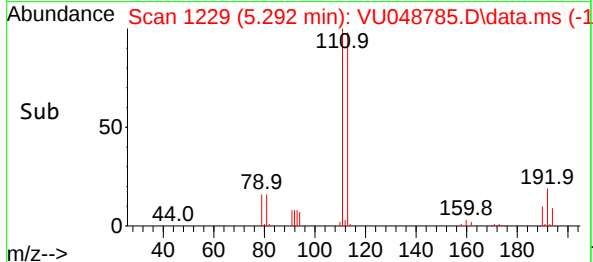
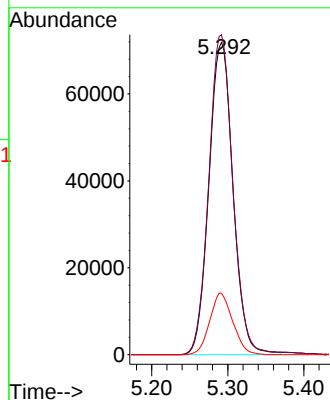
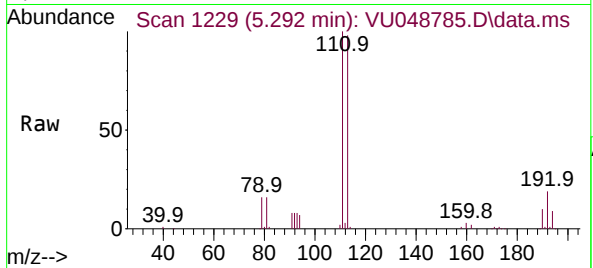




#35
Dibromofluoromethane
Concen: 48.836 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

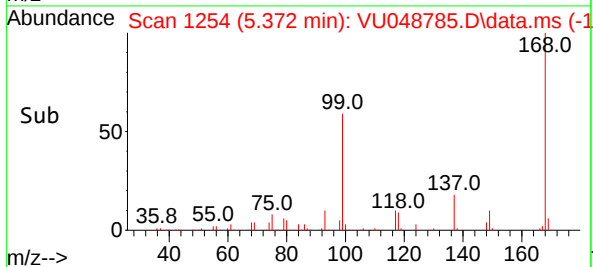
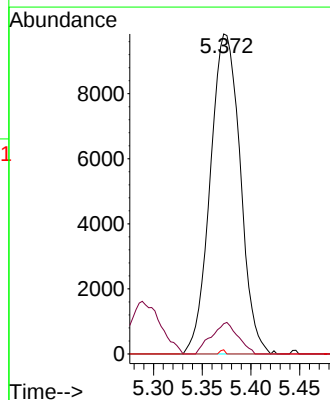
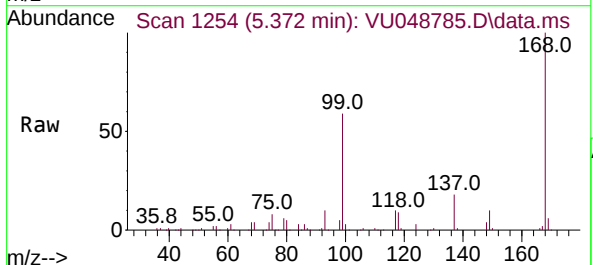
Instrument :
MSVOA_U
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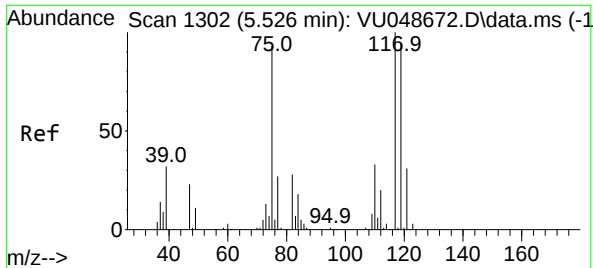
Tgt Ion:113 Resp: 157969
Ion Ratio Lower Upper
113 100
111 102.4 80.7 121.1
192 18.8 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

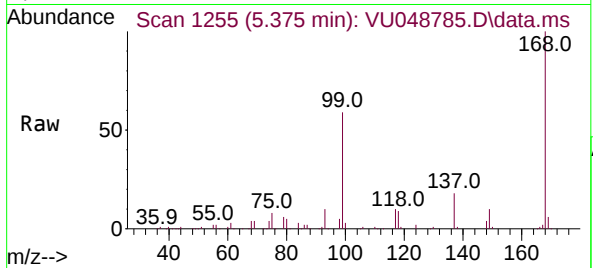
Tgt Ion: 75 Resp: 21058
Ion Ratio Lower Upper
75 100
110 8.7 17.4 52.3#
77 0.2 24.8 37.2#



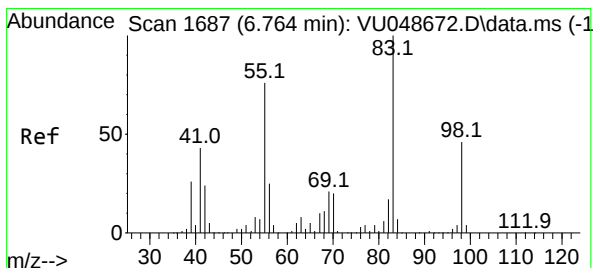
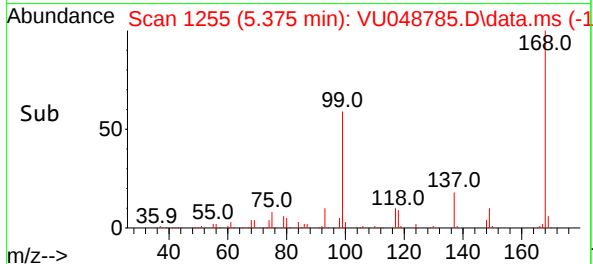
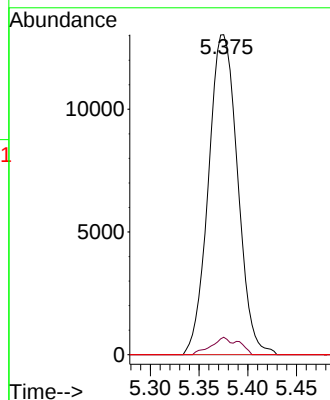


#38
Carbon Tetrachloride
Concen: 5.013 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.151 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

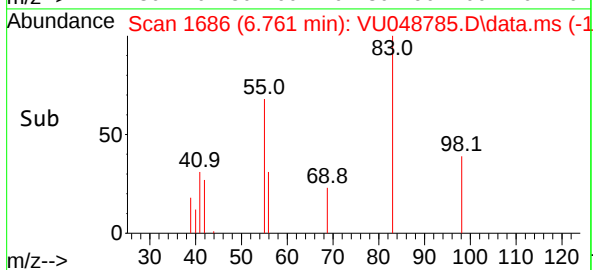
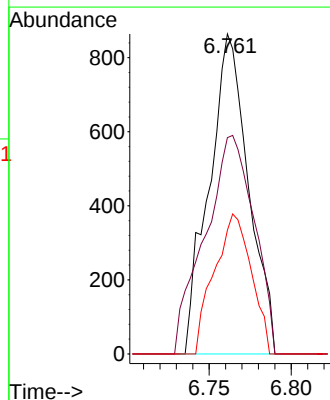
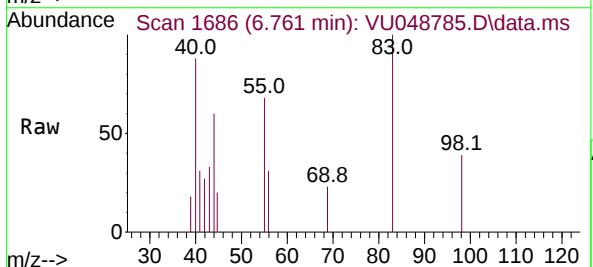


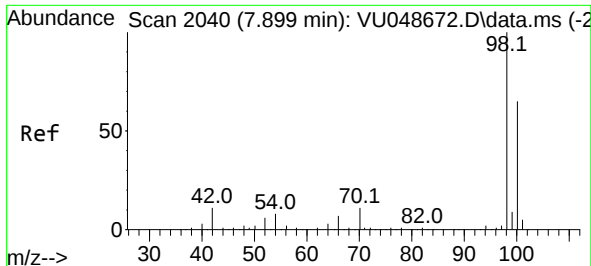
Tgt Ion:117 Resp: 27149
Ion Ratio Lower Upper
117 100
119 5.5 75.4 113.2#
121 0.0 24.6 36.8#



#39
Methylcyclohexane
Concen: 0.291 ug/l
RT: 6.761 min Scan# 1686
Delta R.T. -0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 83 Resp: 1440
Ion Ratio Lower Upper
83 100
55 67.6 61.0 91.6
98 38.7 36.8 55.2

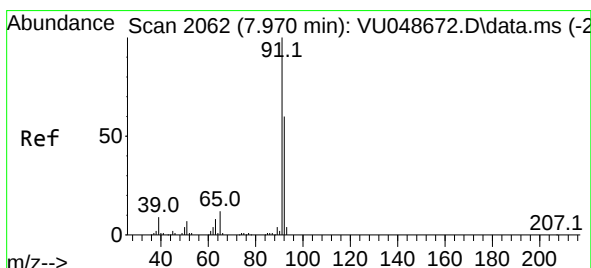
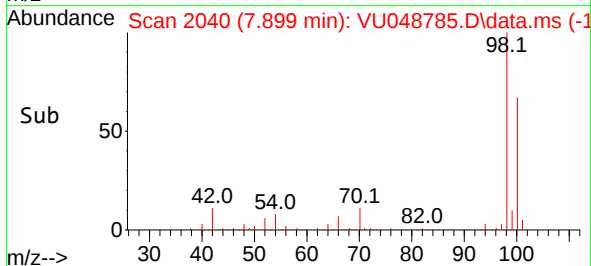
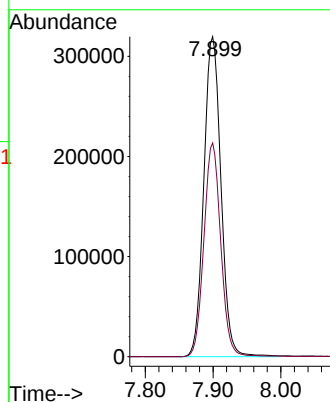
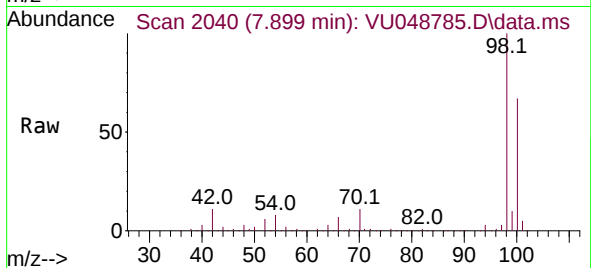




#50
Toluene-d8
Concen: 48.430 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

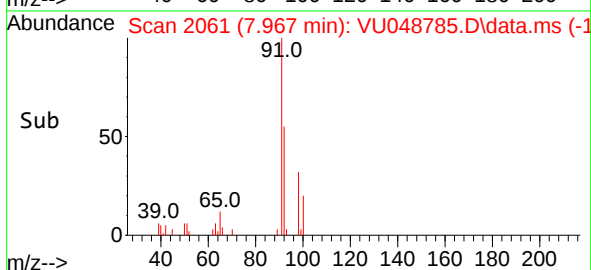
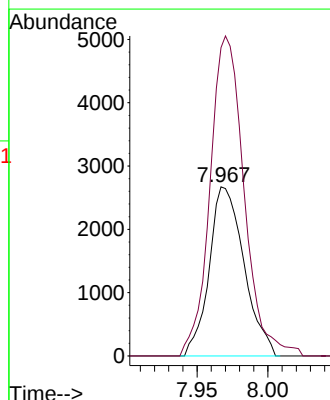
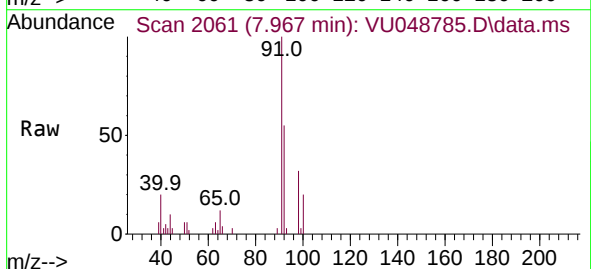
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

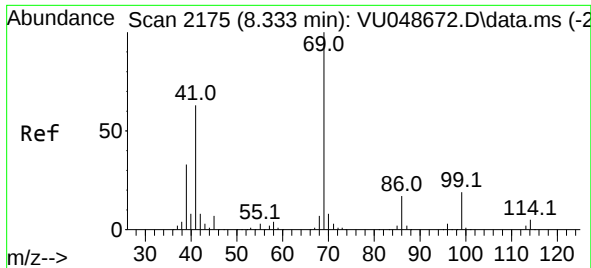
Tgt Ion: 98 Resp: 561546
Ion Ratio Lower Upper
98 100
100 65.5 52.2 78.4



#52
Toluene
Concen: 0.547 ug/l
RT: 7.967 min Scan# 2061
Delta R.T. -0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 92 Resp: 4563
Ion Ratio Lower Upper
92 100
91 185.3 135.0 202.4

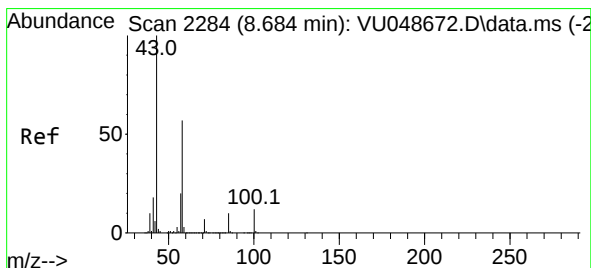
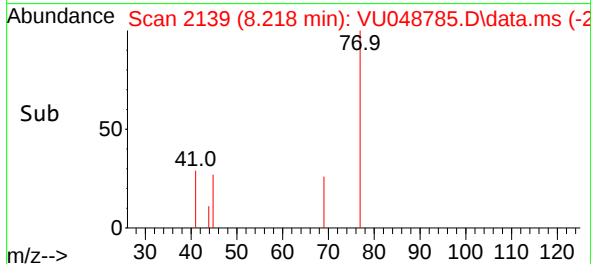
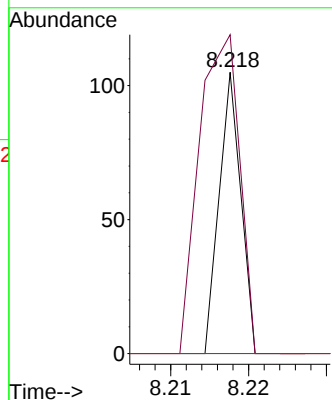
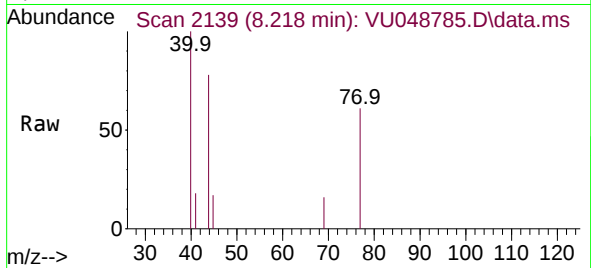




#56
Ethyl methacrylate
Concen: 2.617 ug/l
RT: 8.218 min Scan# 2175
Delta R.T. -0.115 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

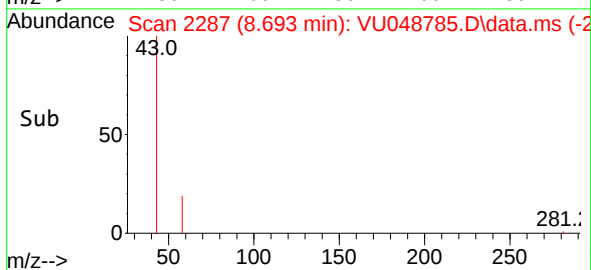
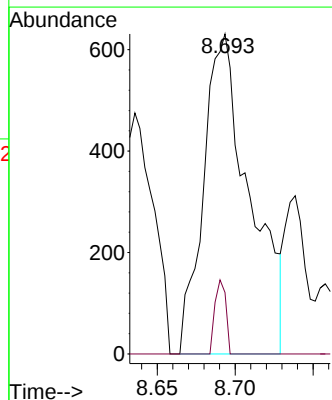
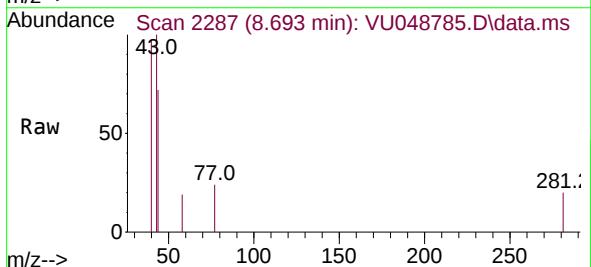
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

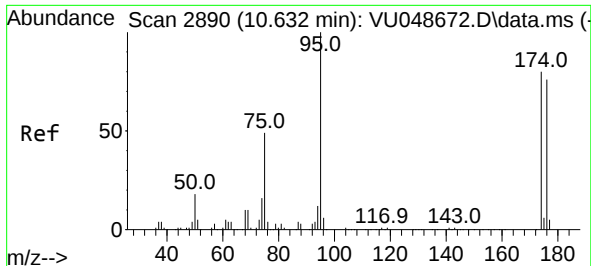
Tgt Ion: 69 Resp: 20
Ion Ratio Lower Upper
69 100
41 215.0 50.6 76.0#
39 0.0 26.6 40.0#



#59
2-Hexanone
Concen: 0.282 ug/l
RT: 8.693 min Scan# 2287
Delta R.T. 0.010 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 43 Resp: 1300
Ion Ratio Lower Upper
43 100
58 5.5 28.2 84.6#

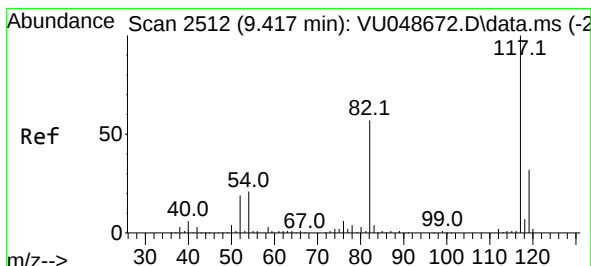
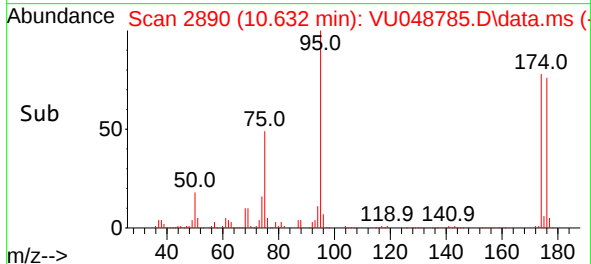
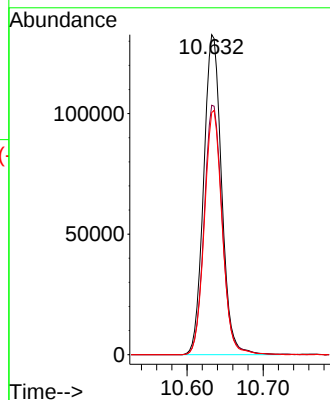
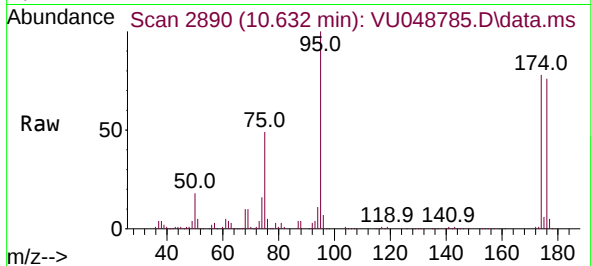




#62
4-Bromofluorobenzene
Concen: 49.623 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

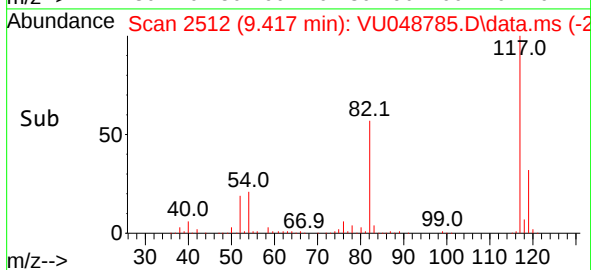
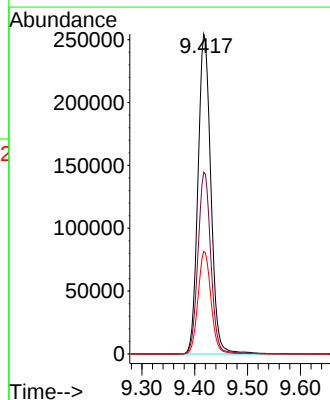
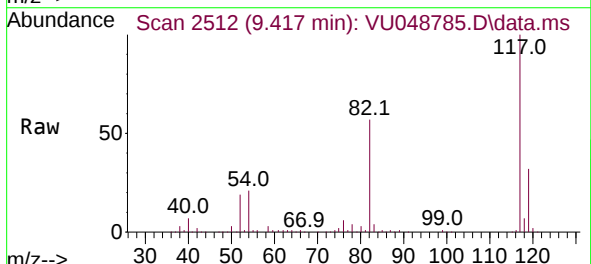
Instrument : MSVOA_U
ClientSampleId : VIBLK

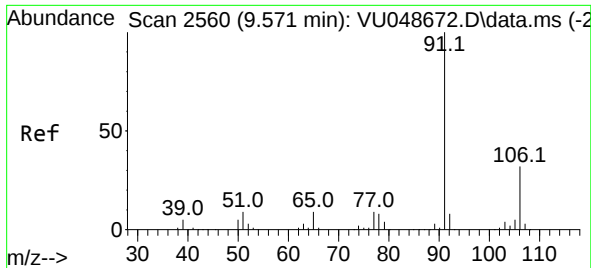
Tgt Ion: 95 Resp: 217606
Ion Ratio Lower Upper
95 100
174 78.4 0.0 159.4
176 75.7 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 117 Resp: 429492
Ion Ratio Lower Upper
117 100
82 56.8 45.3 67.9
119 32.0 25.4 38.2

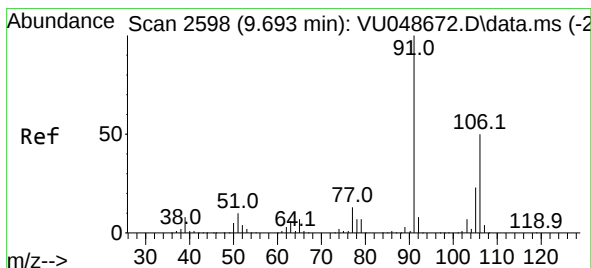
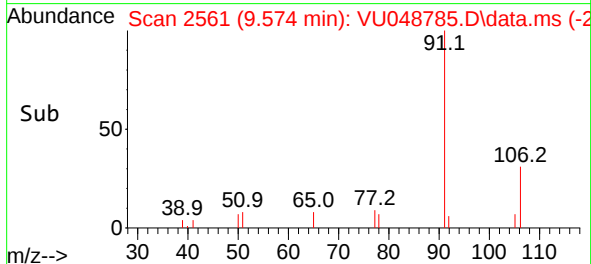
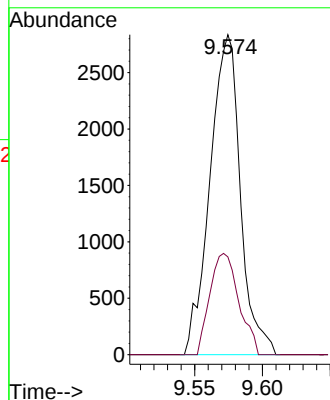
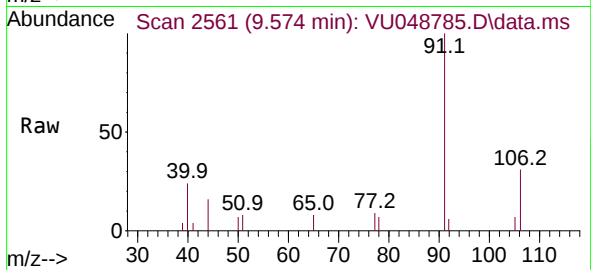




#67
Ethyl Benzene
Concen: 0.289 ug/l
RT: 9.574 min Scan# 2560
Delta R.T. 0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

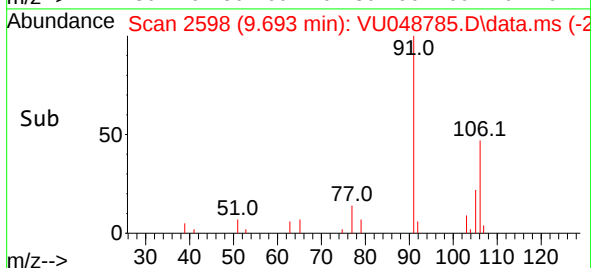
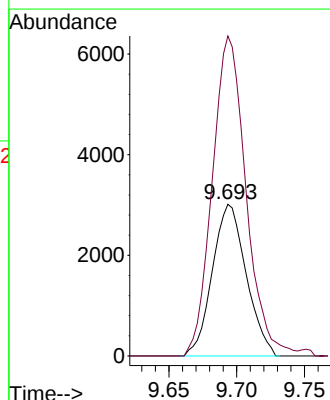
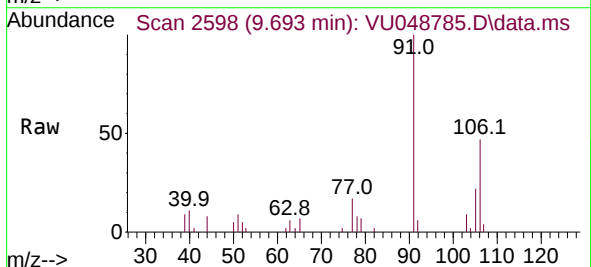
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

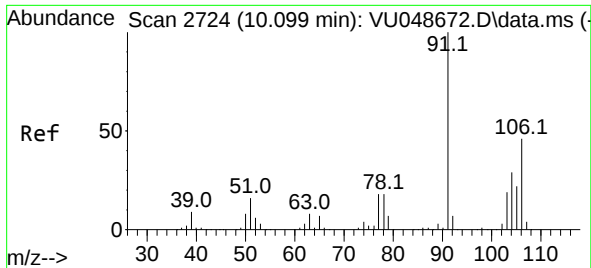
Tgt Ion: 91 Resp: 4423
Ion Ratio Lower Upper
91 100
106 30.6 25.4 38.2



#68
m/p-Xylenes
Concen: 0.873 ug/l
RT: 9.693 min Scan# 2598
Delta R.T. -0.000 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 106 Resp: 5229
Ion Ratio Lower Upper
106 100
91 210.1 162.4 243.6

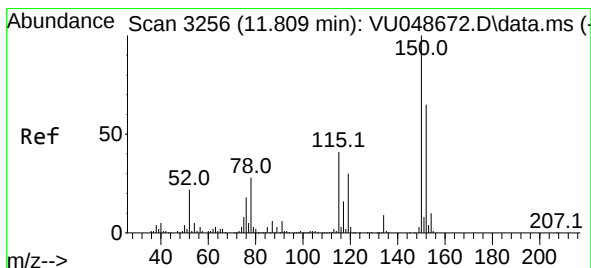
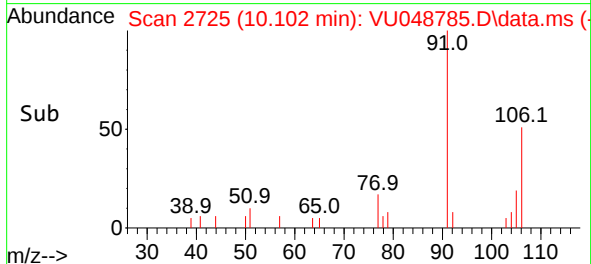
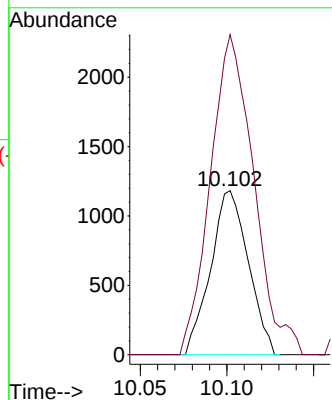
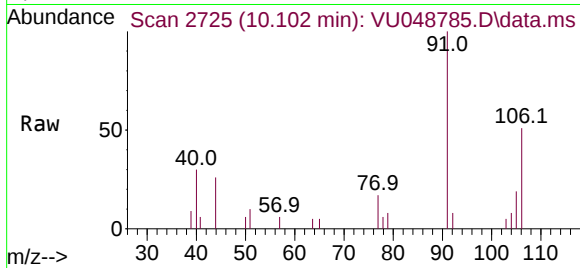




#69
o-Xylene
Concen: 0.304 ug/l
RT: 10.102 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

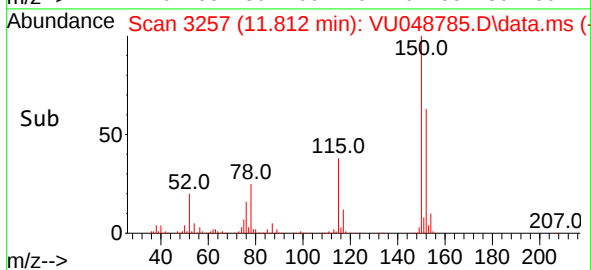
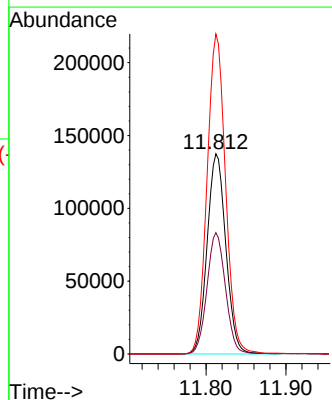
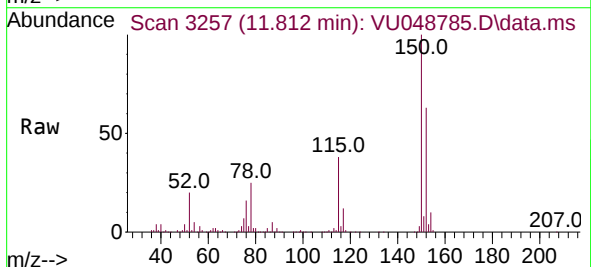
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

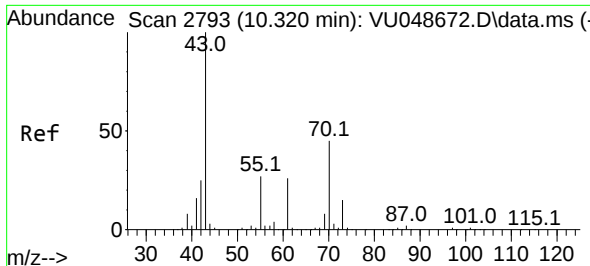
Tgt Ion:106 Resp: 1788
Ion Ratio Lower Upper
106 100
91 224.6 107.7 323.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion:152 Resp: 223722
Ion Ratio Lower Upper
152 100
115 60.0 41.8 125.4
150 157.4 0.0 341.0

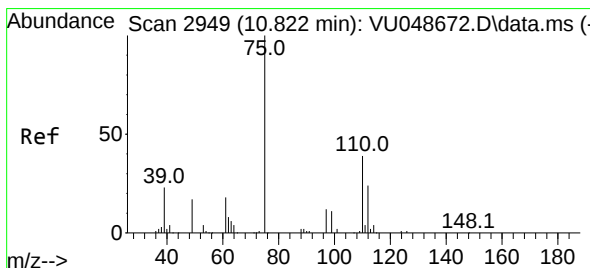
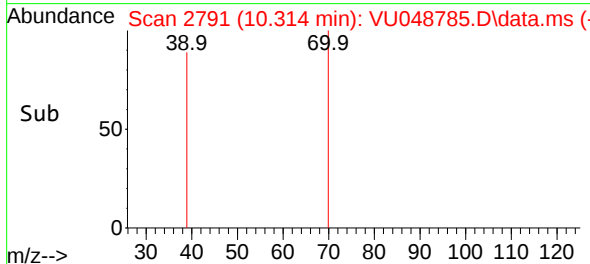
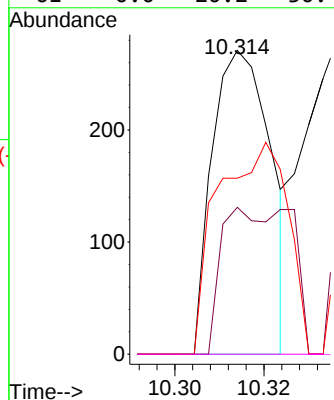
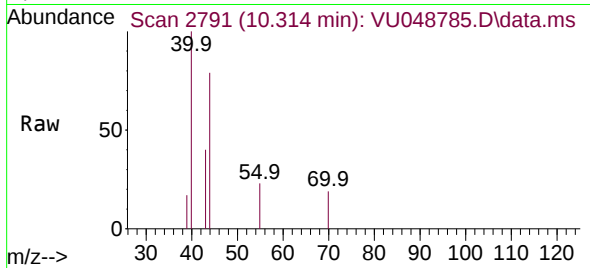




#74
N-amy1 acetate
Concen: 2.499 ug/l
RT: 10.314 min Scan# 21
Delta R.T. -0.006 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

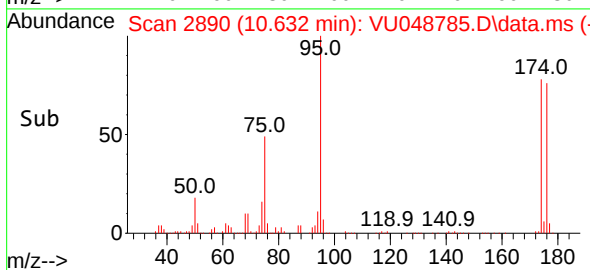
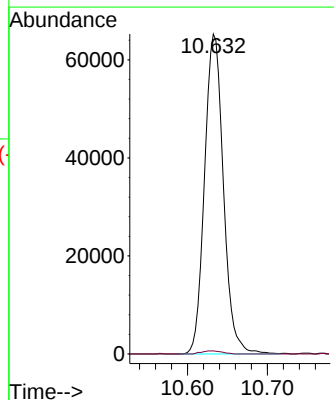
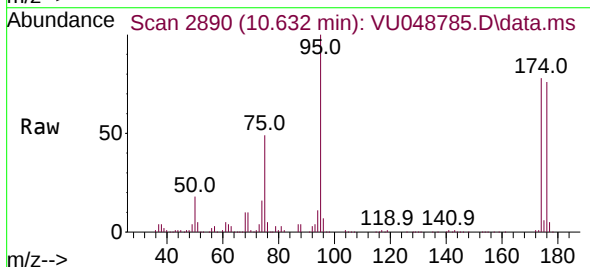
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

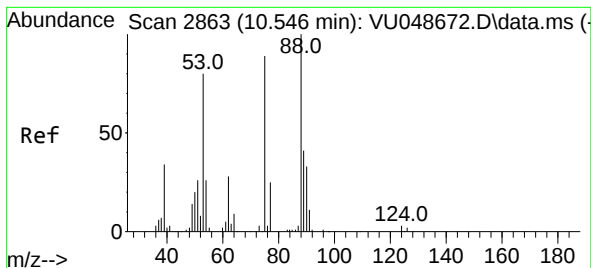
Tgt Ion: 43	Resp: 248
Ion Ratio	Lower Upper
43 100	
70 37.5	35.8 53.6
55 83.1	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 14.883 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 75	Resp: 107357
Ion Ratio	Lower Upper
75 100	
77 1.1	14.8 44.3#

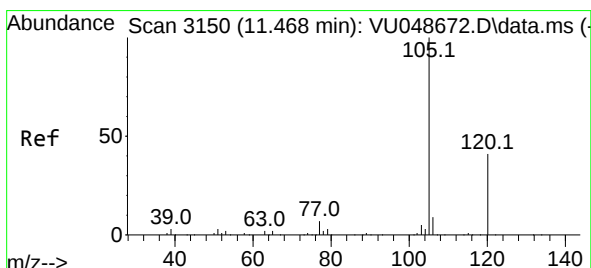
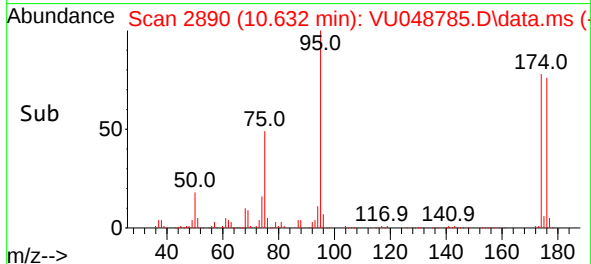
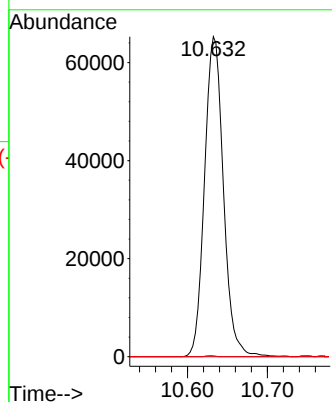
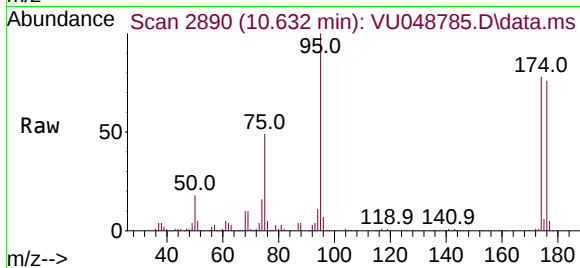




#81
trans-1,4-Dichloro-2-butene
Concen: 54.039 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

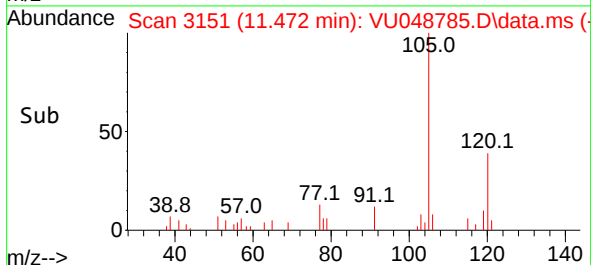
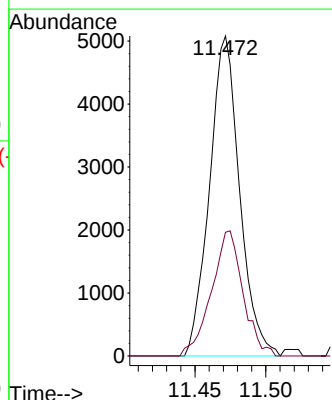
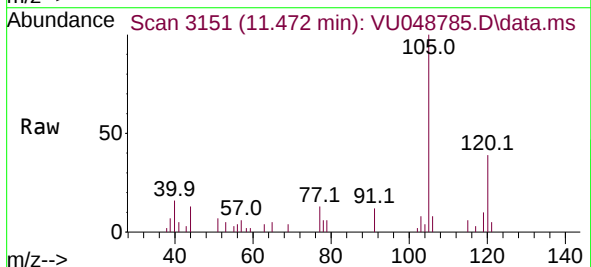
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

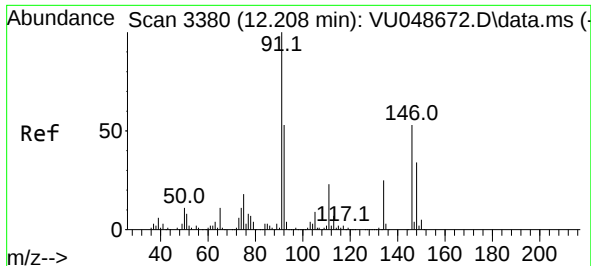
Tgt Ion: 75 Resp: 107357
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.728 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 105 Resp: 7507
Ion Ratio Lower Upper
105 100
120 40.9 22.5 67.5

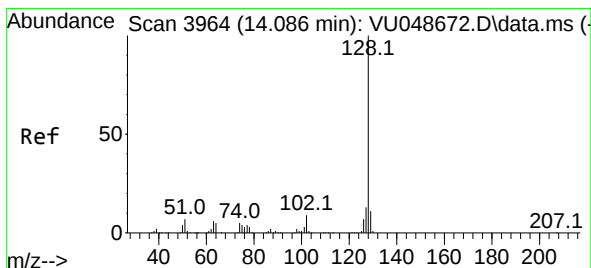
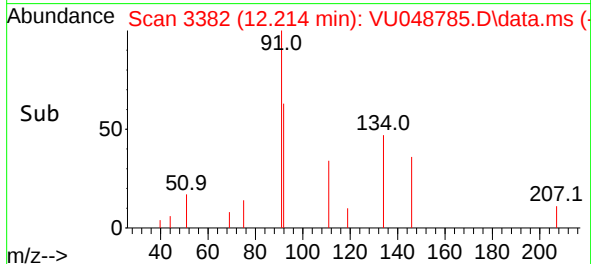
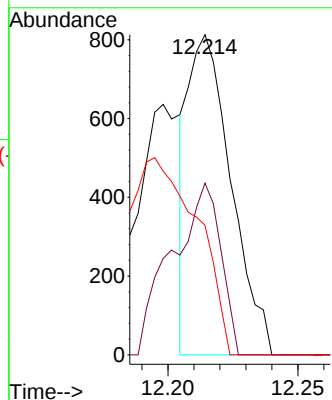
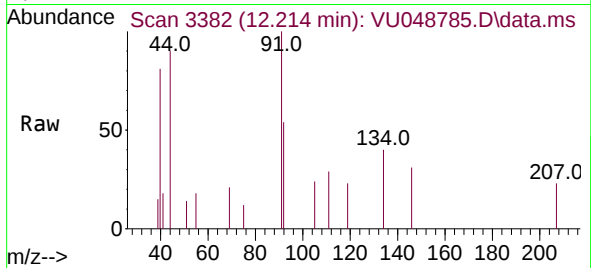




#89
n-Butylbenzene
Concen: 2.254 ug/l
RT: 12.214 min Scan# 31
Delta R.T. 0.006 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Instrument :
MSVOA_U
ClientSampleId :
VIBLK

Tgt Ion: 91 Resp: 936
Ion Ratio Lower Upper
91 100
92 60.7 25.9 77.8
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 4.370 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU048785.D
Acq: 01 Jun 2022 17:19

Tgt Ion: 128 Resp: 34078
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.0 8.7 13.1

