

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062822\
 Data File : VU049456.D
 Acq On : 28 Jun 2022 14:23
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VIBLK

Quant Time: Jun 28 17:12:04 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U062722W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 28 10:35:43 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

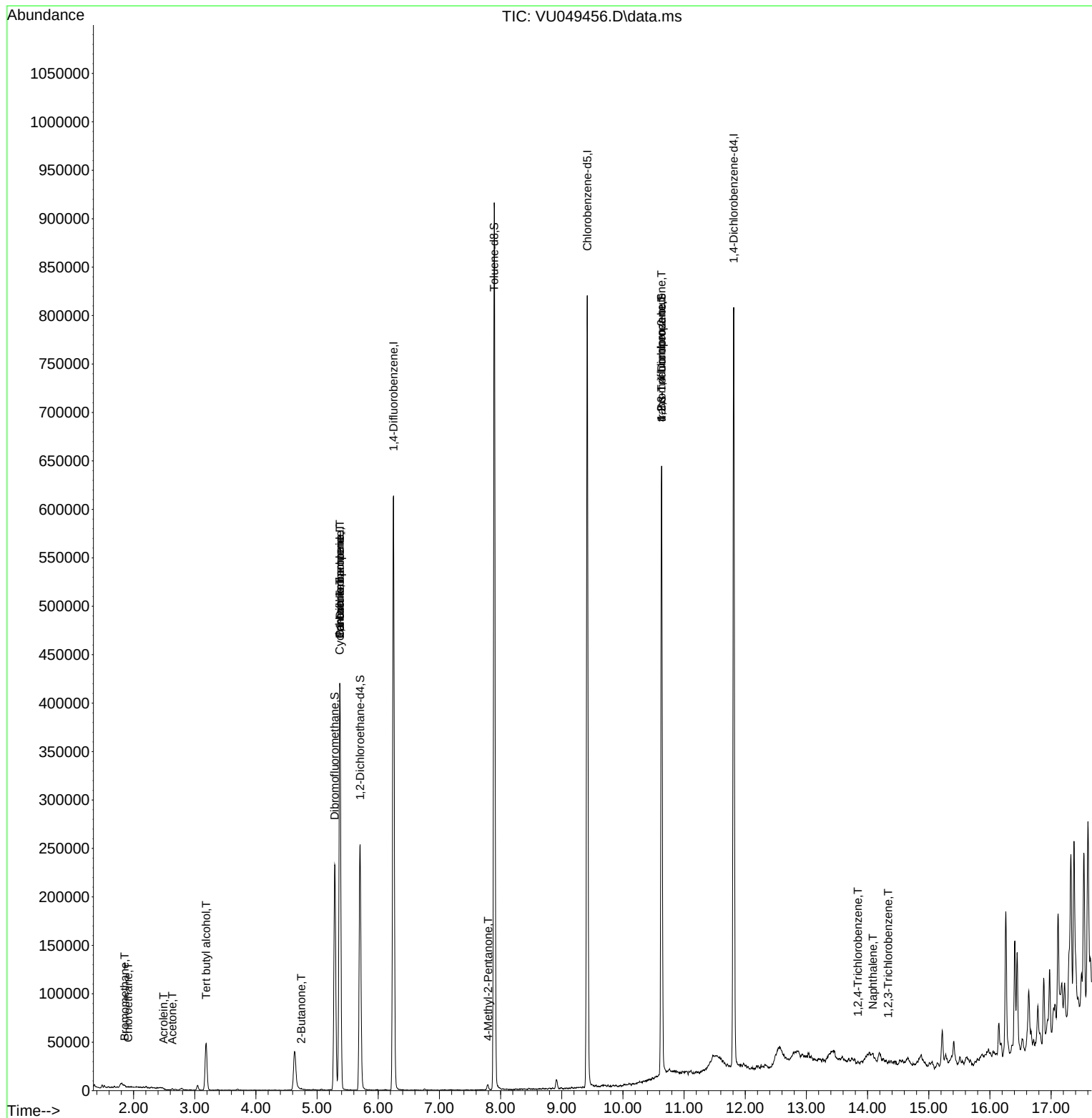
Internal Standards						
1) Pentafluorobenzene	5.372	168	289089	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.250	114	499947	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	445711	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	208277	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	192361	43.206	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	86.420%
35) Dibromofluoromethane	5.288	113	152077	43.478	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	86.960%
50) Toluene-d8	7.896	98	601428	48.208	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.420%
62) 4-Bromofluorobenzene	10.632	95	218444	45.709	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.420%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1819	Below Cal		90
5) Bromomethane	1.854	94	309	0.212	ug/l	88
6) Chloroethane	1.912	64	20	1.924	ug/l #	44
11) Tert butyl alcohol	3.186	59	29753	28.552	ug/l #	38
13) Acrolein	2.491	56	159	0.225	ug/l #	83
16) Acetone	2.633	43	1453	0.647	ug/l	96
20) Methylene Chloride	3.047	84	2332	Below Cal	#	83
25) 2-Butanone	4.742	43	719	0.214	ug/l #	45
31) Cyclohexane	5.369	56	6425	0.961	ug/l #	4
36) 1,1-Dichloropropene	5.372	75	24195	4.771	ug/l #	49
38) Carbon Tetrachloride	5.372	117	29074	5.466	ug/l #	16
51) 4-Methyl-2-Pentanone	7.796	43	1636	0.241	ug/l #	70
76) 1,2,3-Trichloropropane	10.632	75	109957	15.574	ug/l #	46
81) trans-1,4-Dichloro-2-b...	10.632	75	109957	57.512	ug/l #	15
93) 1,2,4-Trichlorobenzene	13.841	180	132	1.781	ug/l #	1
95) Naphthalene	14.089	128	5062	2.036	ug/l #	80
96) 1,2,3-Trichlorobenzene	14.336	180	445	1.268	ug/l	82

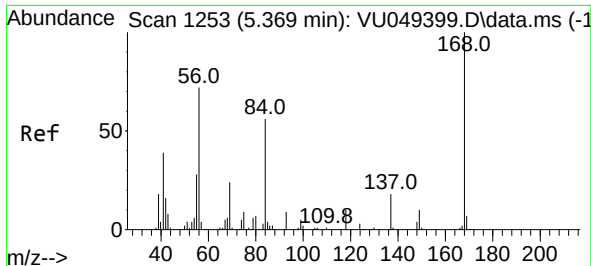
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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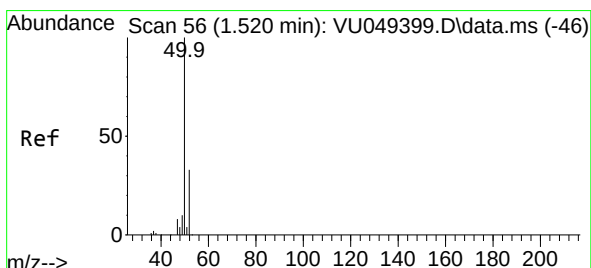
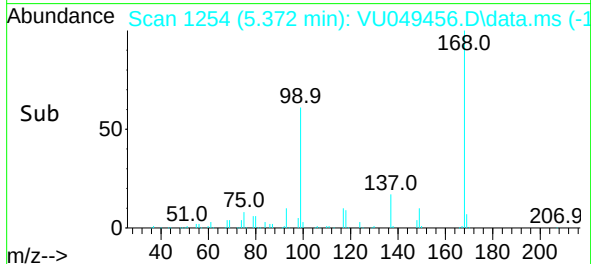
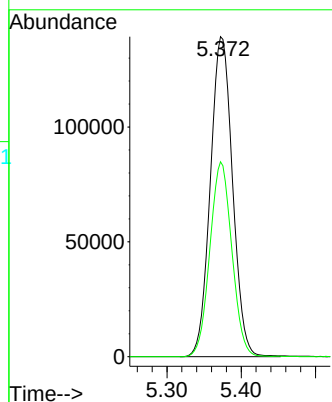
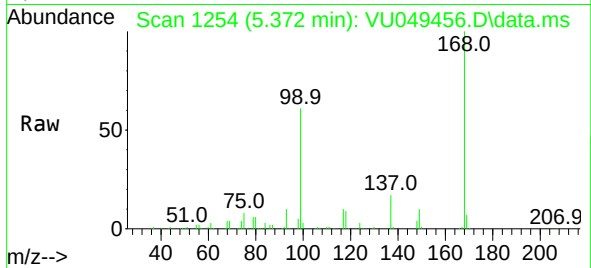




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

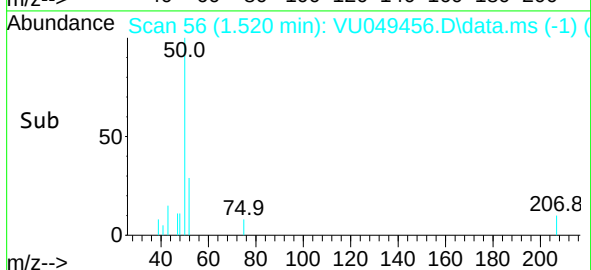
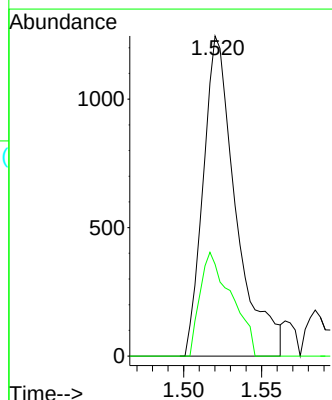
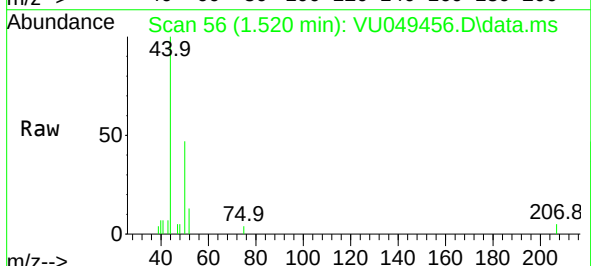
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

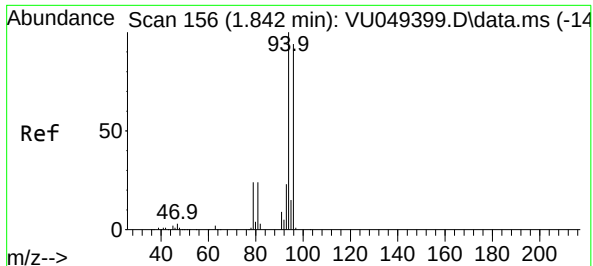
Tgt Ion:168 Resp: 289089
Ion Ratio Lower Upper
168 100
99 60.9 39.3 58.9#



#3
Chloromethane
Concen: Below Cal
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 50 Resp: 1819
Ion Ratio Lower Upper
50 100
52 28.7 27.4 41.2

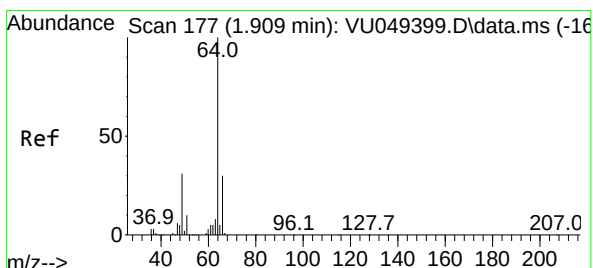
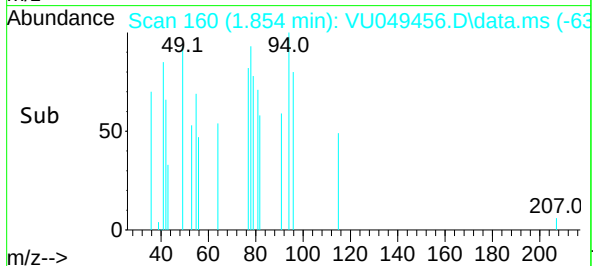
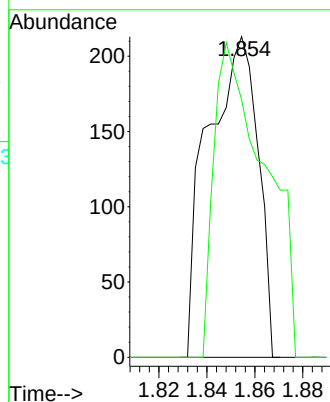
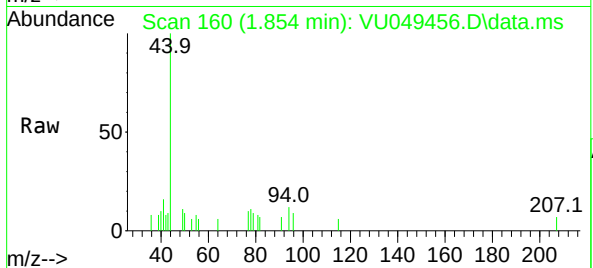




#5
Bromomethane
Concen: 0.212 ug/l
RT: 1.854 min Scan# 11
Delta R.T. 0.013 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

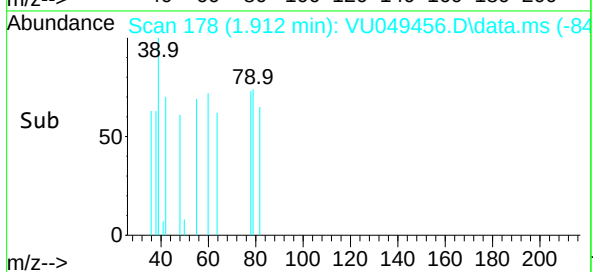
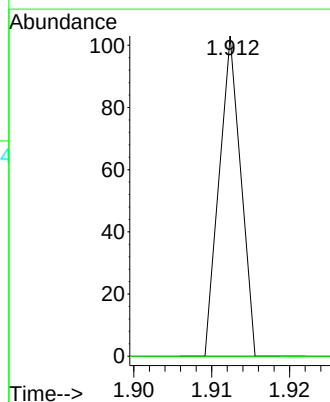
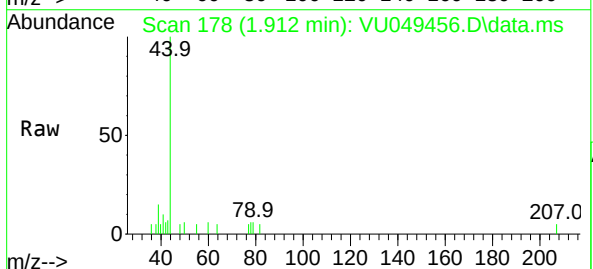
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

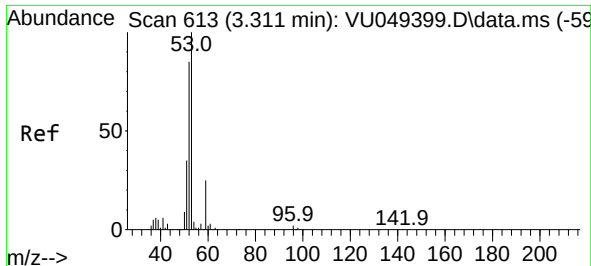
Tgt Ion: 94 Resp: 309
Ion Ratio Lower Upper
94 100
96 80.3 73.7 110.5



#6
Chloroethane
Concen: 1.924 ug/l
RT: 1.912 min Scan# 178
Delta R.T. 0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 24.7 37.1#

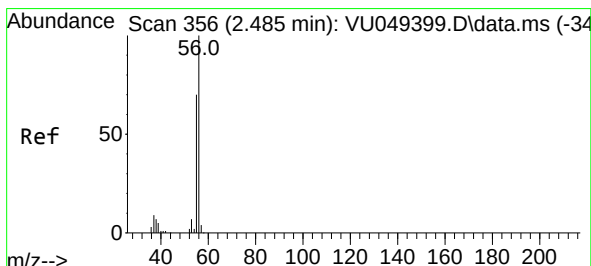
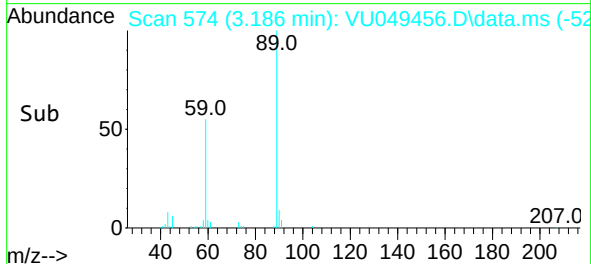
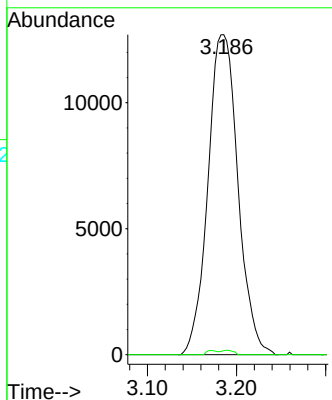
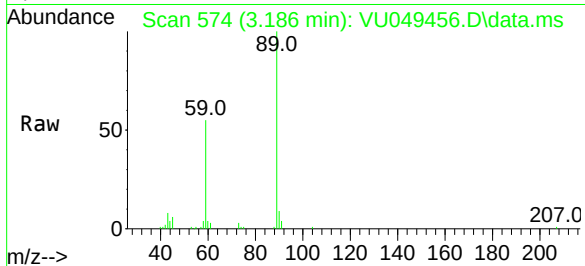




#11
Tert butyl alcohol
Concen: 28.552 ug/l
RT: 3.186 min Scan# 51
Delta R.T. -0.125 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

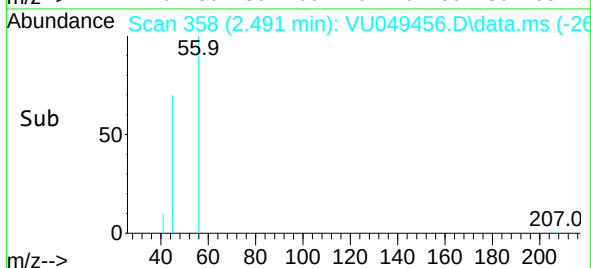
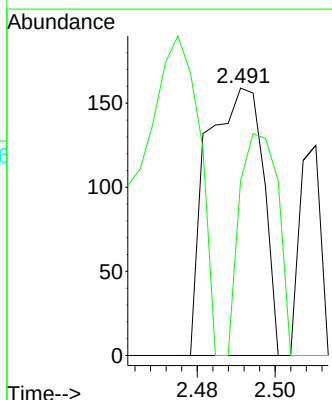
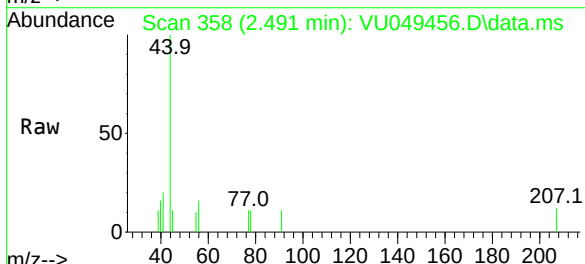
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

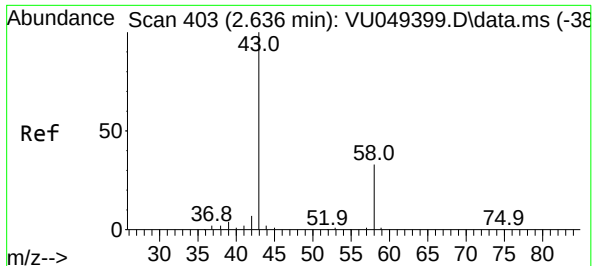
Tgt Ion: 59 Resp: 29753
Ion Ratio Lower Upper
59 100
57 0.6 30.6 45.8#



#13
Acrolein
Concen: 0.225 ug/l
RT: 2.491 min Scan# 358
Delta R.T. 0.006 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 56 Resp: 159
Ion Ratio Lower Upper
56 100
55 56.6 56.6 85.0#

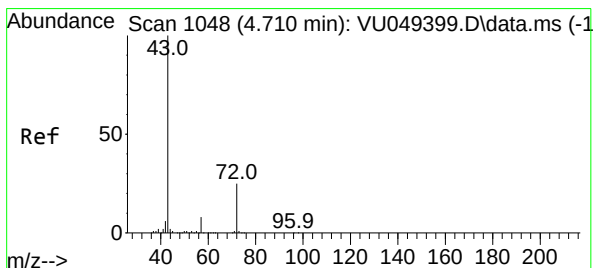
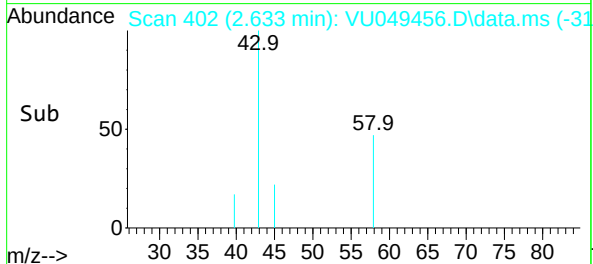
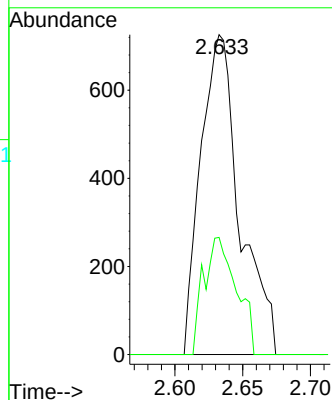
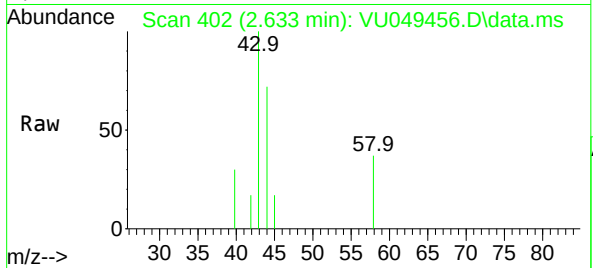




#16
Acetone
Concen: 0.647 ug/l
RT: 2.633 min Scan# 403
Delta R.T. -0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

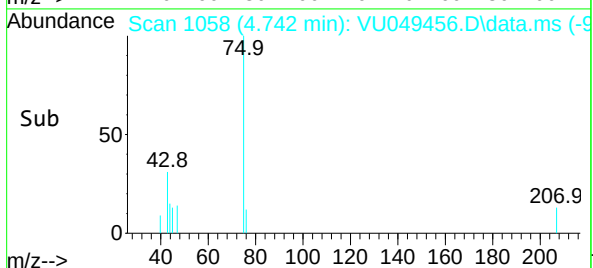
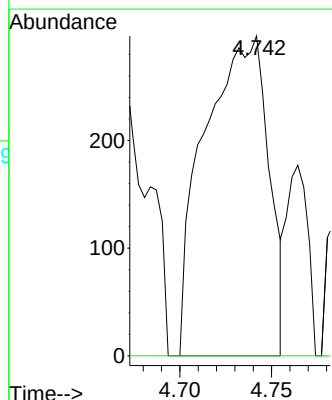
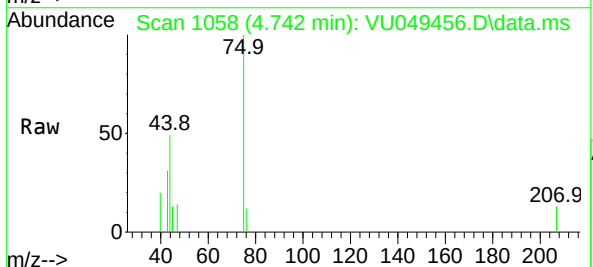
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

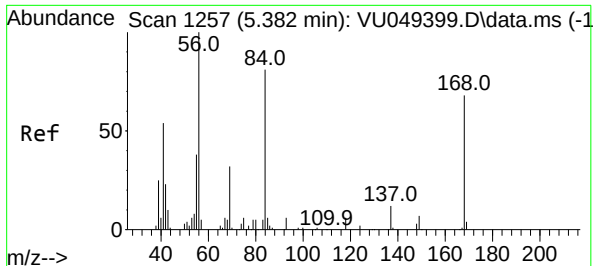
Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
58 36.6 27.5 41.3



#25
2-Butanone
Concen: 0.214 ug/l
RT: 4.742 min Scan# 1058
Delta R.T. 0.032 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 43 Resp: 719
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#

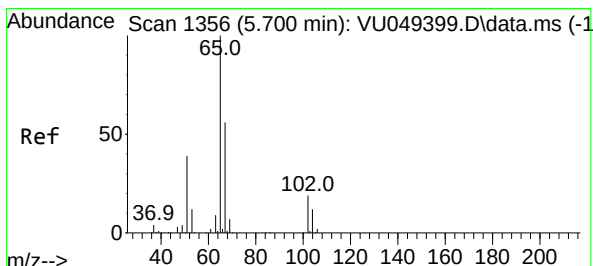
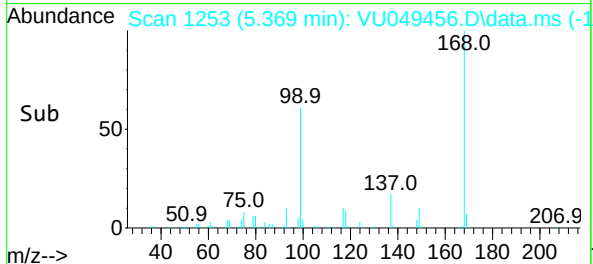
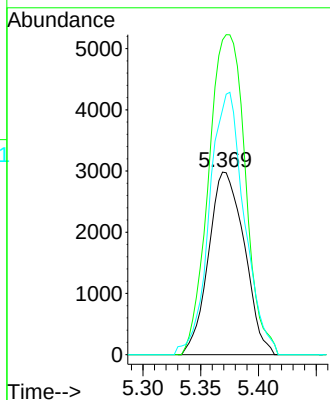
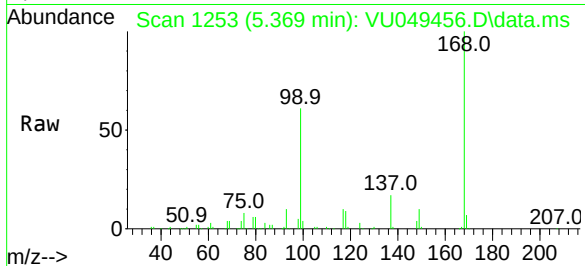




#31
Cyclohexane
Concen: 0.961 ug/l
RT: 5.369 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

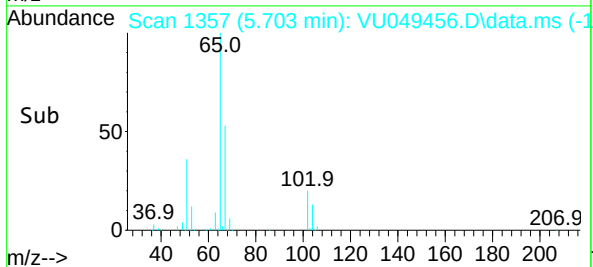
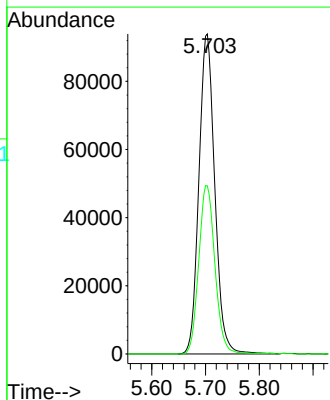
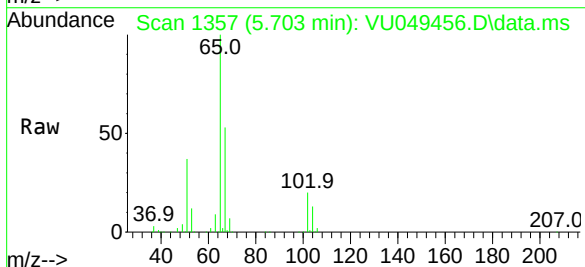
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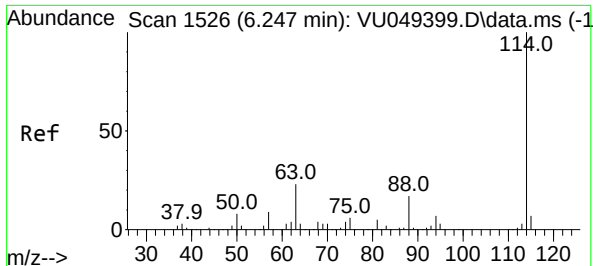
Tgt Ion: 56 Resp: 6425
Ion Ratio Lower Upper
56 100
69 172.4 27.8 41.8#
84 134.2 74.2 111.4#



#33
1,2-Dichloroethane-d4
Concen: 43.206 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 65 Resp: 192361
Ion Ratio Lower Upper
65 100
67 53.4 0.0 108.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU049456.D

Acq: 28 Jun 2022 14:23

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

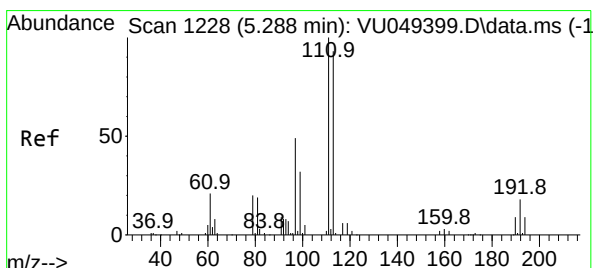
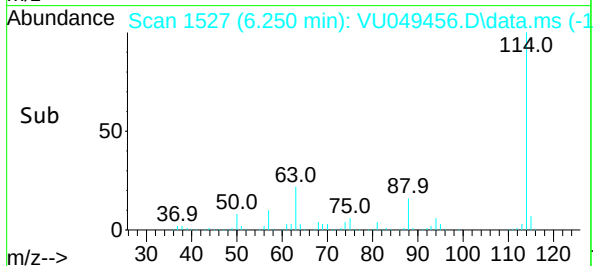
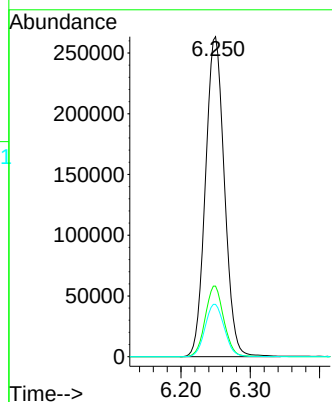
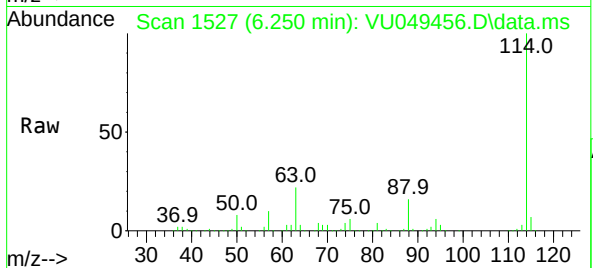
Tgt Ion:114 Resp: 499947

Ion Ratio Lower Upper

114 100

63 22.0 0.0 37.8

88 16.4 0.0 29.2



#35

Dibromofluoromethane

Concen: 43.478 ug/l

RT: 5.288 min Scan# 1228

Delta R.T. 0.000 min

Lab File: VU049456.D

Acq: 28 Jun 2022 14:23

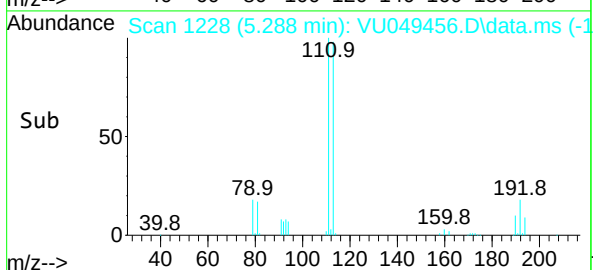
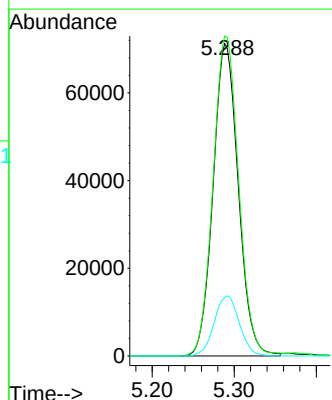
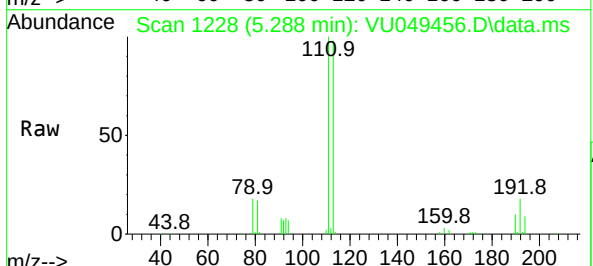
Tgt Ion:113 Resp: 152077

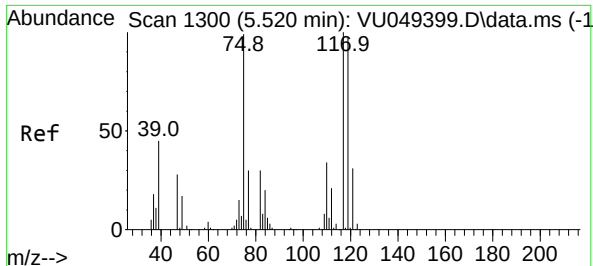
Ion Ratio Lower Upper

113 100

111 104.4 82.1 123.1

192 19.2 18.0 27.0

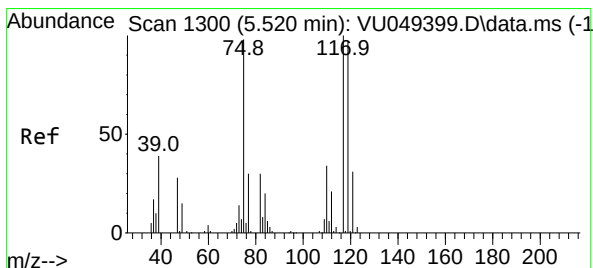
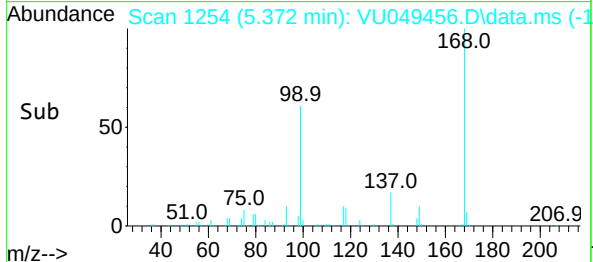
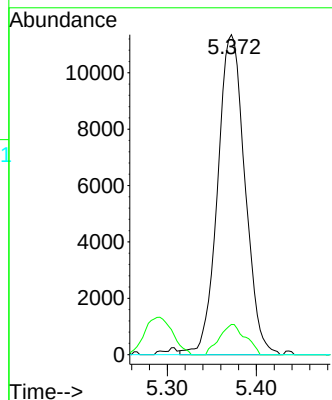
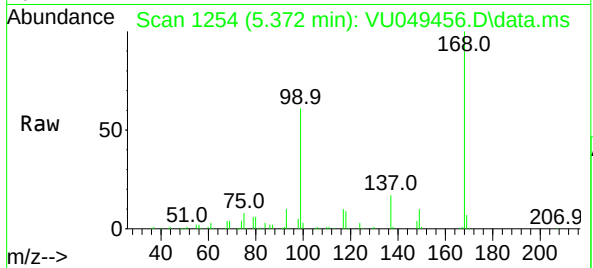




#36
1,1-Dichloropropene
Concen: 4.771 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.148 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

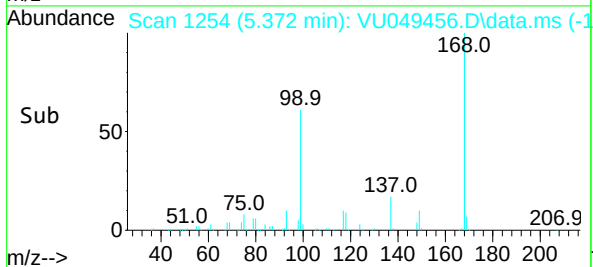
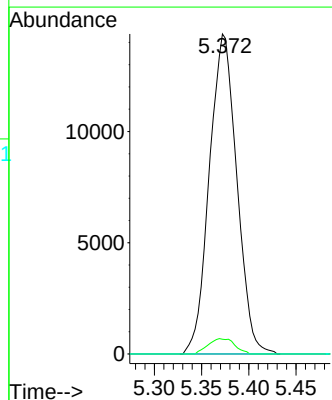
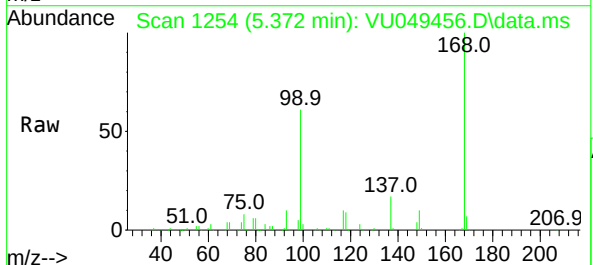
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

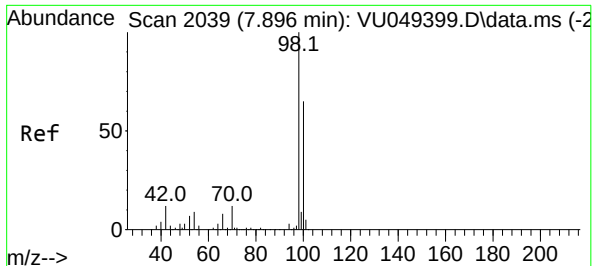
Tgt Ion: 75 Resp: 24195
Ion Ratio Lower Upper
75 100
110 8.9 18.4 55.2#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 5.466 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.148 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 117 Resp: 29074
Ion Ratio Lower Upper
117 100
119 4.6 76.8 115.2#
121 0.0 24.7 37.1#

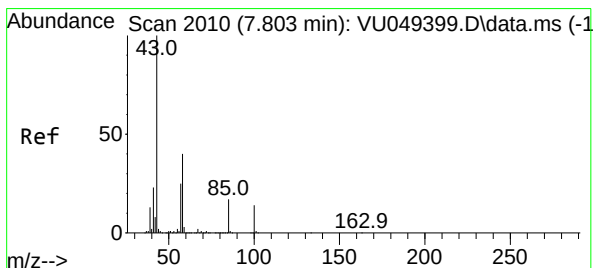
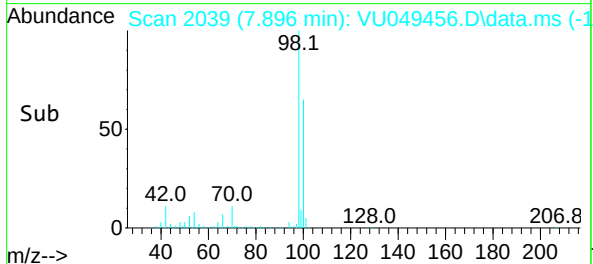
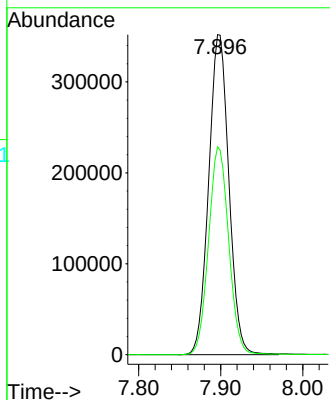
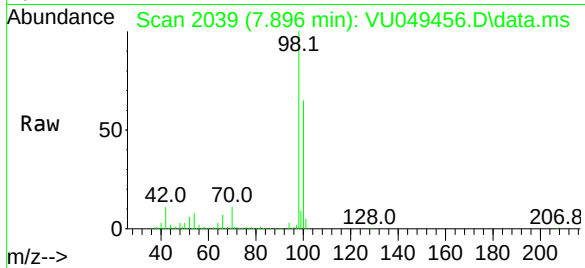




#50
Toluene-d8
Concen: 48.208 ug/l
RT: 7.896 min Scan# 2039
Delta R.T. 0.000 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

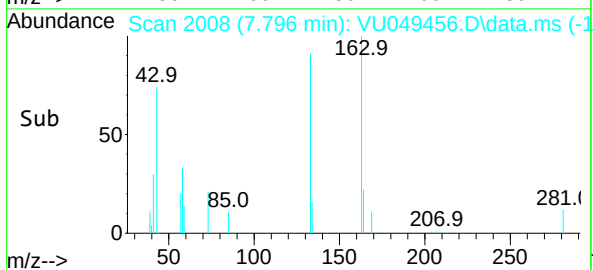
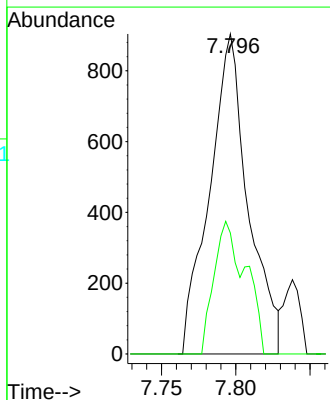
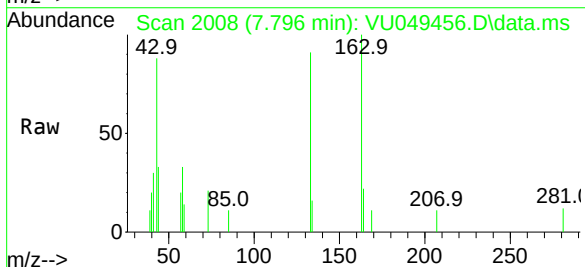
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

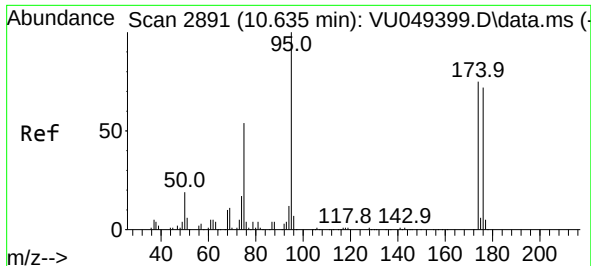
Tgt Ion: 98 Resp: 601428
Ion Ratio Lower Upper
98 100
100 64.9 51.7 77.5



#51
4-Methyl-2-Pentanone
Concen: 0.241 ug/l
RT: 7.796 min Scan# 2008
Delta R.T. -0.006 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 43 Resp: 1636
Ion Ratio Lower Upper
43 100
58 24.4 34.7 52.1#

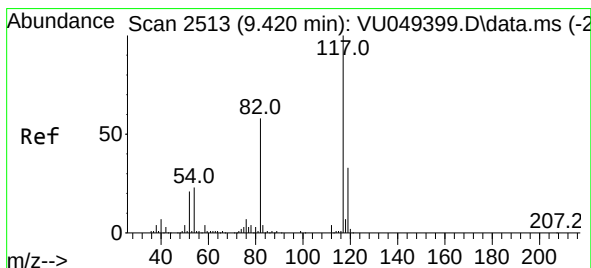
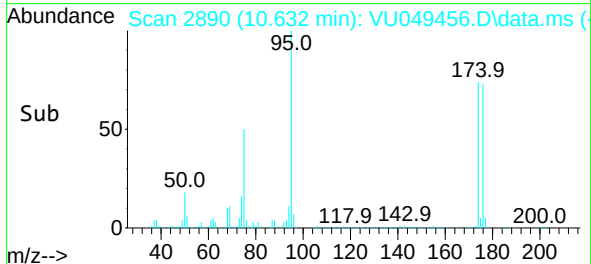
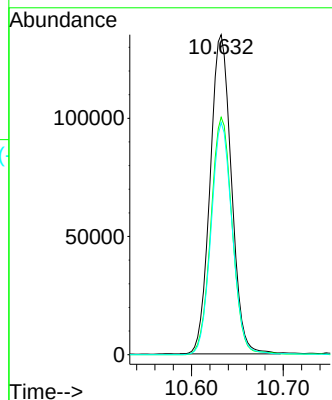
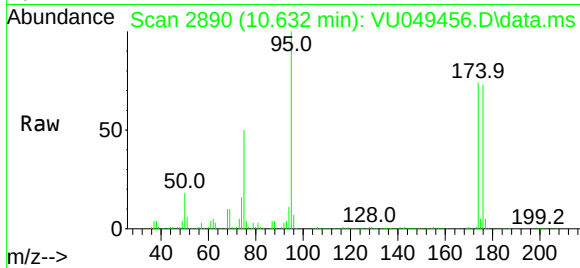




#62
4-Bromofluorobenzene
Concen: 45.709 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

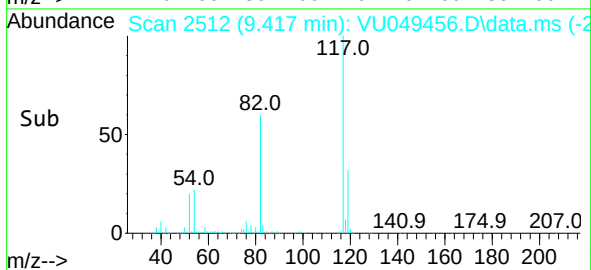
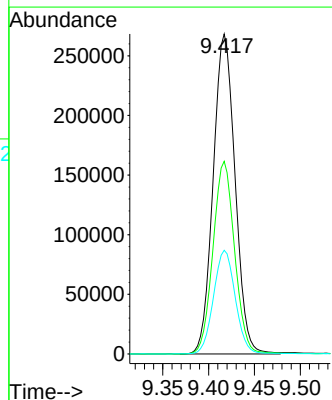
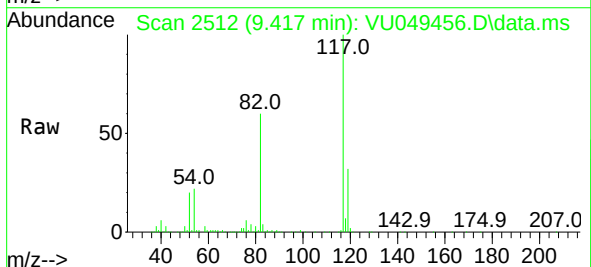
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

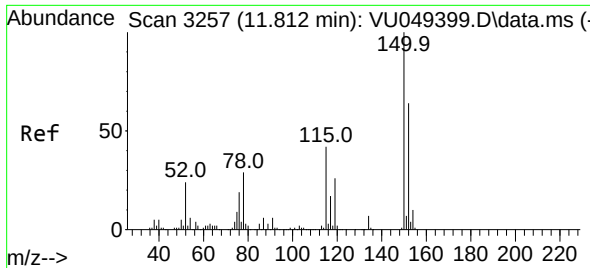
Tgt Ion: 95 Resp: 218444
Ion Ratio Lower Upper
95 100
174 74.5 0.0 182.0
176 72.0 0.0 177.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 117 Resp: 445711
Ion Ratio Lower Upper
117 100
82 60.2 41.7 62.5
119 32.3 25.7 38.5

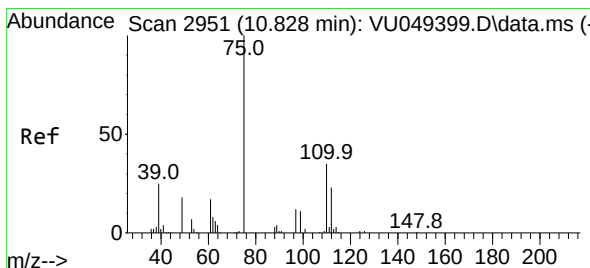
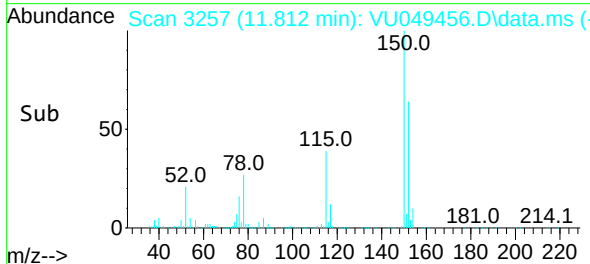
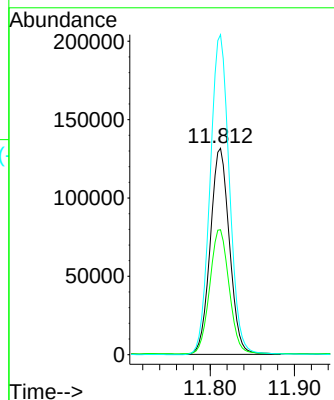
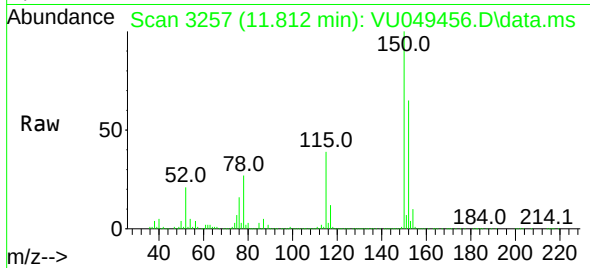




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.000 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

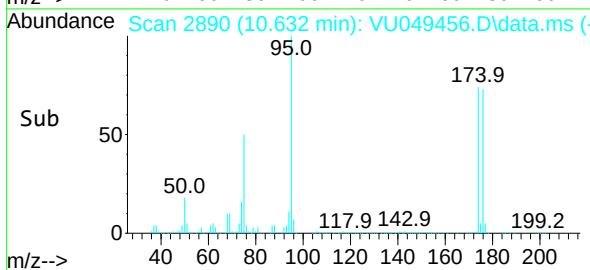
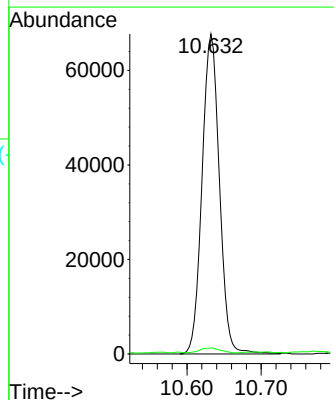
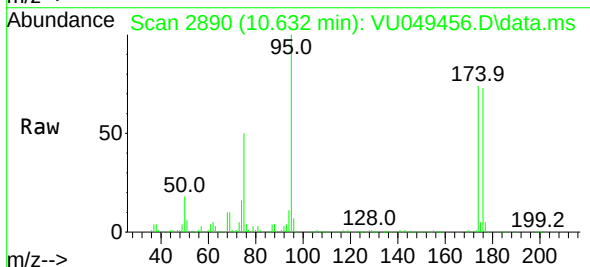
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

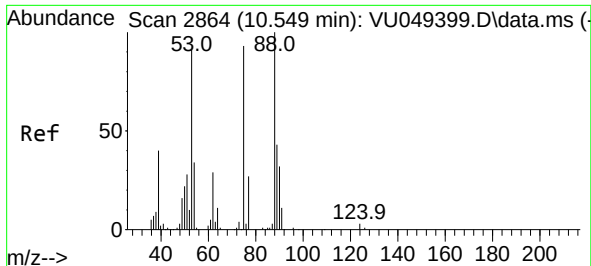
Tgt Ion:152 Resp: 208277
Ion Ratio Lower Upper
152 100
115 61.0 37.0 110.9
150 156.6 0.0 342.2



#76
1,2,3-Trichloropropane
Concen: 15.574 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.196 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion: 75 Resp: 109957
Ion Ratio Lower Upper
75 100
77 1.8 15.8 47.3#

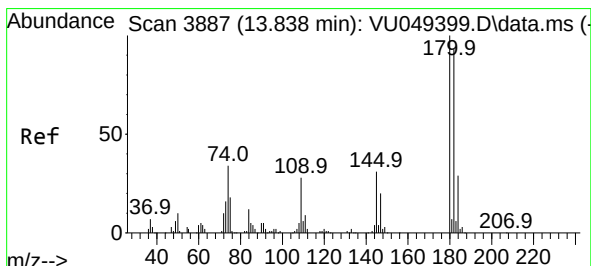
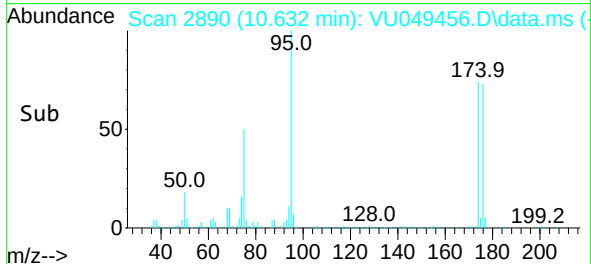
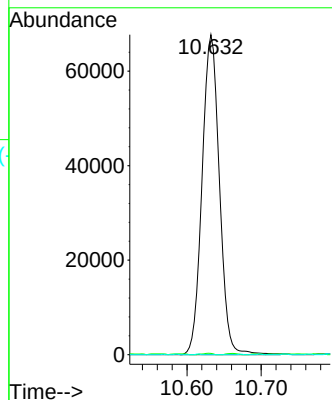
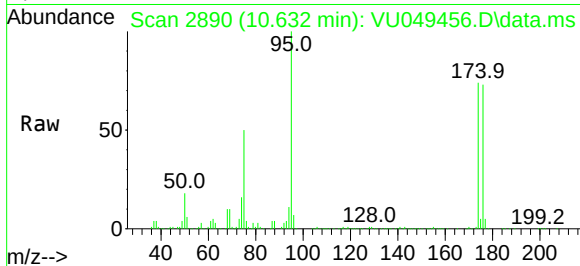




#81
trans-1,4-Dichloro-2-butene
Concen: 57.512 ug/l
RT: 10.632 min Scan# 2864
Delta R.T. 0.084 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

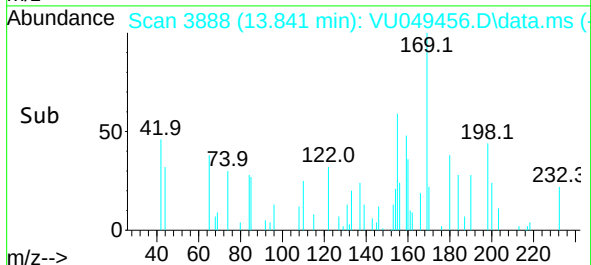
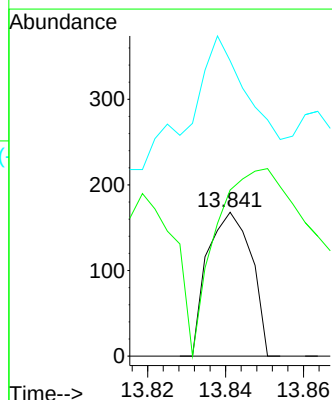
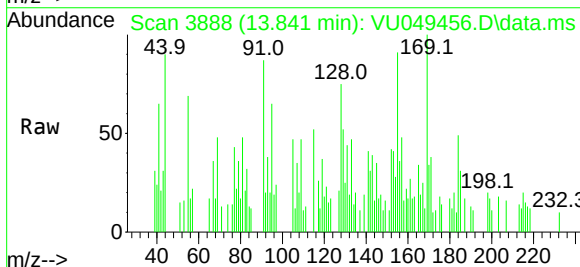
Instrument :
MSVOA_U
ClientSampleId :
VIBLK

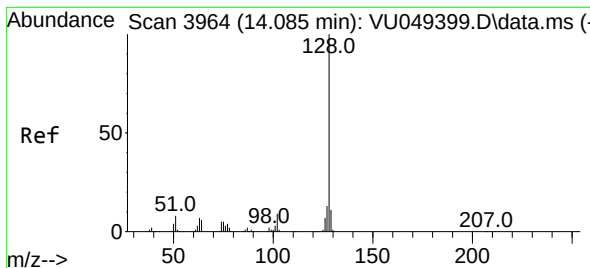
Tgt Ion: 75 Resp: 109957
Ion Ratio Lower Upper
75 100
53 0.3 69.2 103.8#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 1.781 ug/l
RT: 13.841 min Scan# 3888
Delta R.T. 0.003 min
Lab File: VU049456.D
Acq: 28 Jun 2022 14:23

Tgt Ion:180 Resp: 132
Ion Ratio Lower Upper
180 100
182 0.0 47.9 143.6#
145 123.5 14.0 41.9#





#95

Naphthalene

Concen: 2.036 ug/l

RT: 14.089 min Scan# 3964

Delta R.T. 0.003 min

Lab File: VU049456.D

Acq: 28 Jun 2022 14:23

Instrument :

MSVOA_U

ClientSampleId :

VIBLK

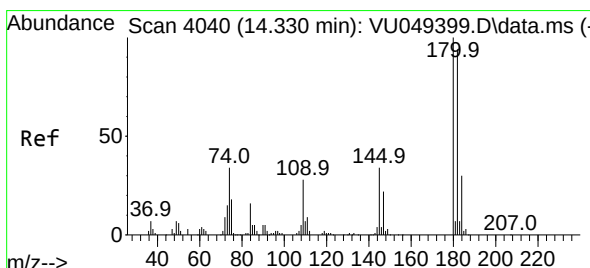
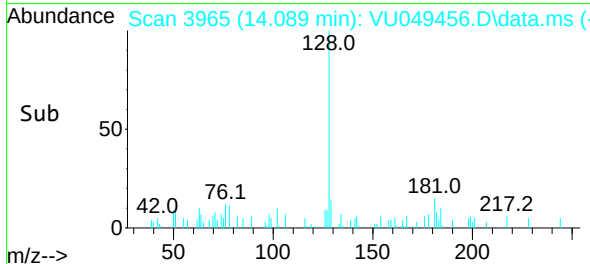
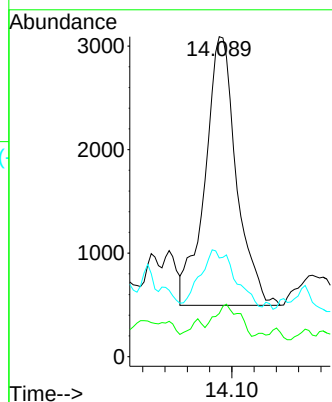
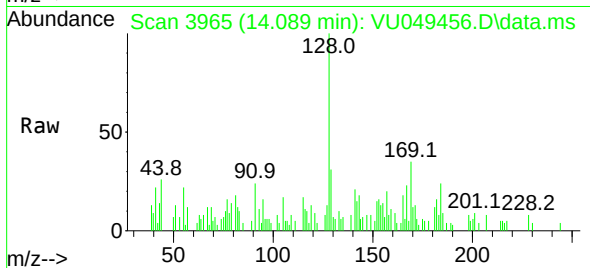
Tgt Ion:128 Resp: 5062

Ion Ratio Lower Upper

128 100

127 8.9 10.3 15.5#

129 23.1 8.6 13.0#



#96

1,2,3-Trichlorobenzene

Concen: 1.268 ug/l

RT: 14.336 min Scan# 4042

Delta R.T. 0.006 min

Lab File: VU049456.D

Acq: 28 Jun 2022 14:23

Tgt Ion:180 Resp: 445

Ion Ratio Lower Upper

180 100

182 114.8 48.4 145.0

145 21.6 14.8 44.4

