

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048909.D
 Acq On : 07 Jun 2022 15:02
 Operator : SY/MD
 Sample : N3165-11
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 64BR-20220531

Quant Time: Jun 08 04:52:37 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)

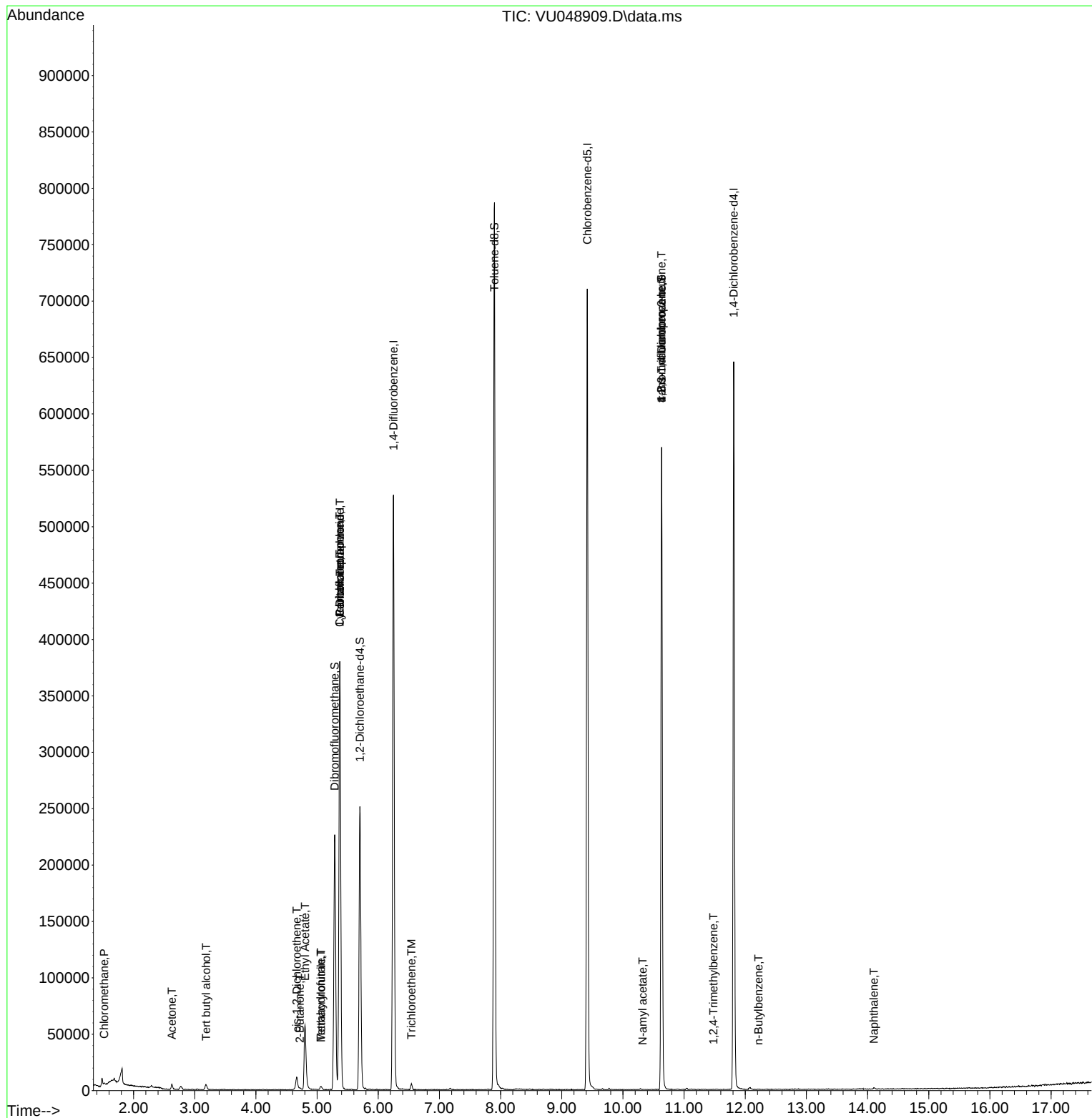
Internal Standards						
1) Pentafluorobenzene	5.372	168	254325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	417746	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	388894	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	174336	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	190878	49.975	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	99.940%
35) Dibromofluoromethane	5.288	113	143949	48.300	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.600%
50) Toluene-d8	7.899	98	511355	47.865	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	95.720%
62) 4-Bromofluorobenzene	10.632	95	185497	45.911	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.820%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	943	0.252	ug/l	100
5) Bromomethane	1.835	94	308	Below Cal		98
6) Chloroethane	1.948	64	200	Below Cal	#	75
11) Tert butyl alcohol	3.189	59	3345	3.454	ug/l #	28
16) Acetone	2.626	43	5128	2.634	ug/l	97
25) 2-Butanone	4.719	43	2916	1.043	ug/l	94
27) cis-1,2-Dichloroethene	4.668	96	6494	1.895	ug/l	82
29) Tetrahydrofuran	5.063	42	2120	1.204	ug/l #	84
31) Cyclohexane	5.369	56	5512	1.145	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	21691	4.987	ug/l #	50
37) Ethyl Acetate	4.803	43	78540	14.283	ug/l	99
38) Carbon Tetrachloride	5.372	117	27017	5.414	ug/l #	18
41) Methacrylonitrile	5.067	41	1152	0.415	ug/l #	42
44) Trichloroethene	6.542	130	2029	0.613	ug/l	98
74) N-amyl acetate	10.324	43	21	2.470	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	97868	17.411	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	97868	63.217	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.481	105	75	1.194	ug/l #	31
89) n-Butylbenzene	12.217	91	239	2.208	ug/l #	76
95) Naphthalene	14.105	128	1736	2.653	ug/l #	85

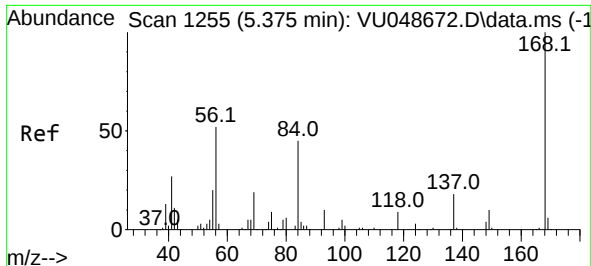
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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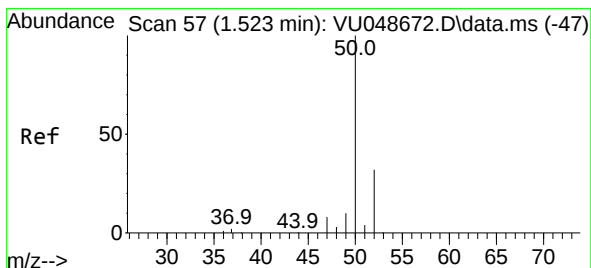
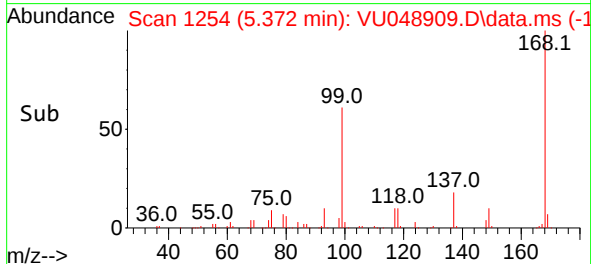
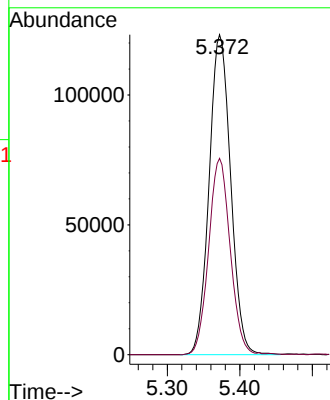
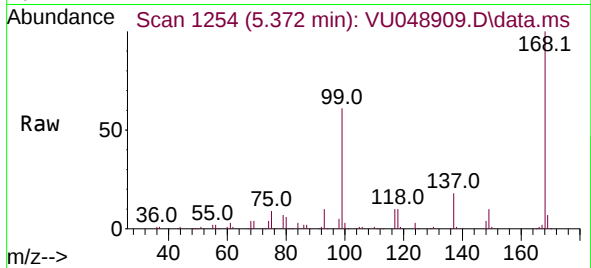




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

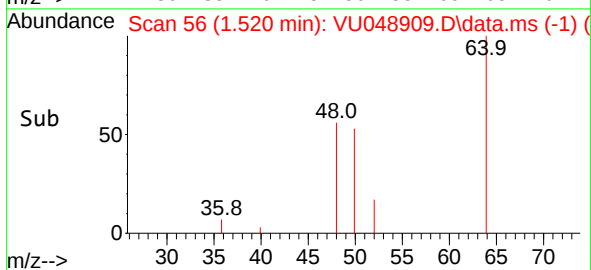
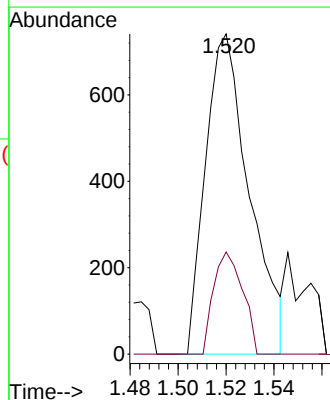
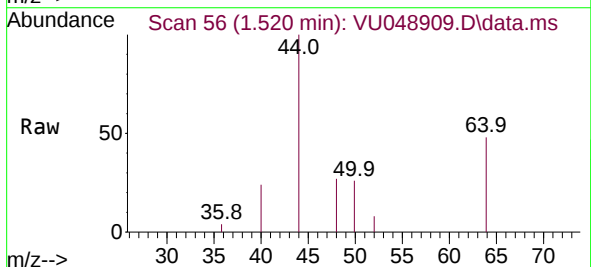
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

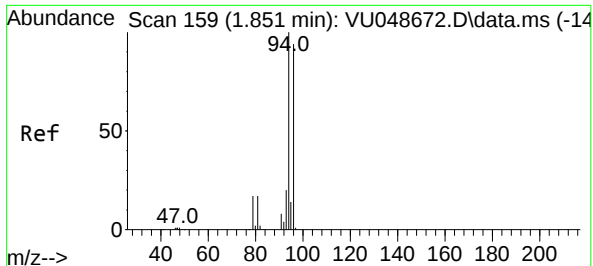
Tgt Ion:168 Resp: 254325
Ion Ratio Lower Upper
168 100
99 61.3 49.3 73.9



#3
Chloromethane
Concen: 0.252 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 50 Resp: 943
Ion Ratio Lower Upper
50 100
52 31.8 25.7 38.5

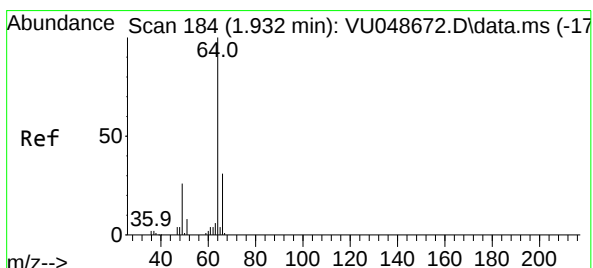
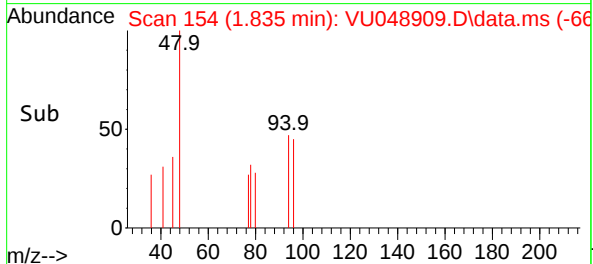
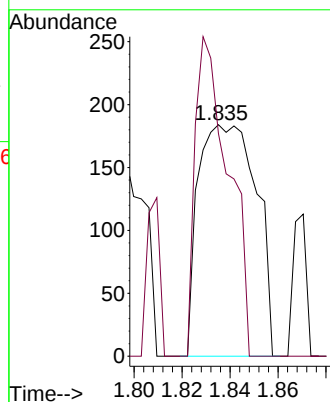
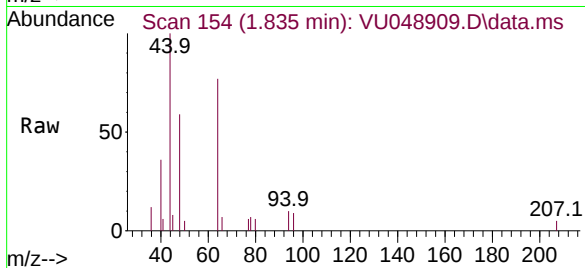




#5
Bromomethane
Concen: Below Cal
RT: 1.835 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

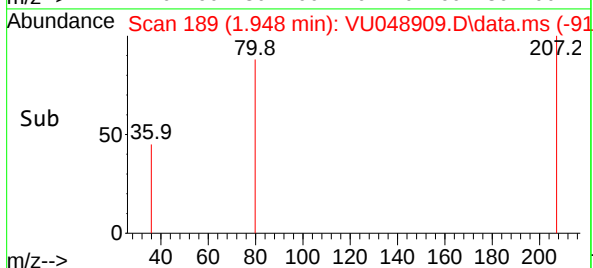
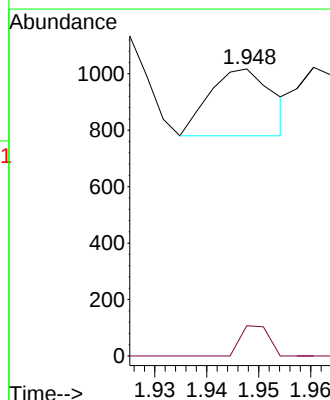
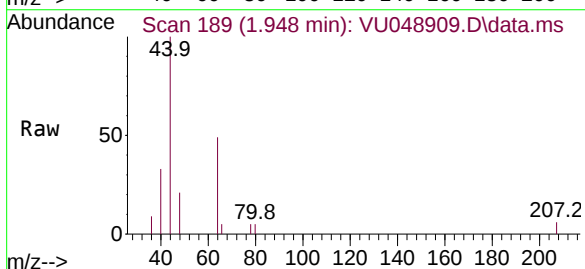
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

Tgt Ion: 94 Resp: 308
Ion Ratio Lower Upper
94 100
96 96.2 75.1 112.7



#6
Chloroethane
Concen: Below Cal
RT: 1.948 min Scan# 189
Delta R.T. 0.016 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 64 Resp: 200
Ion Ratio Lower Upper
64 100
66 45.1 25.2 37.8#

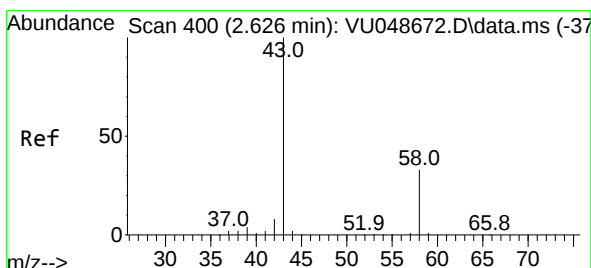
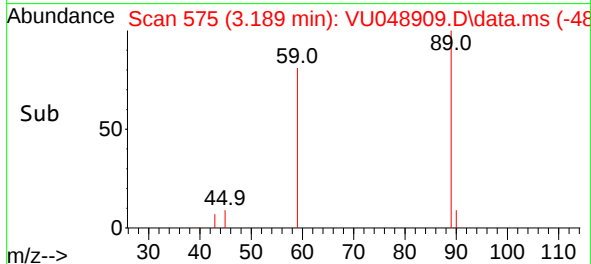
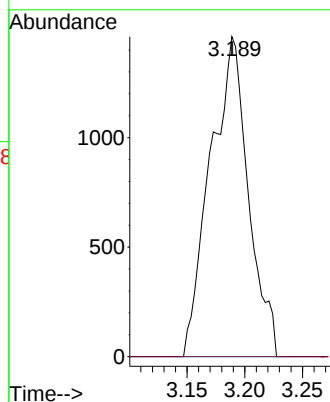
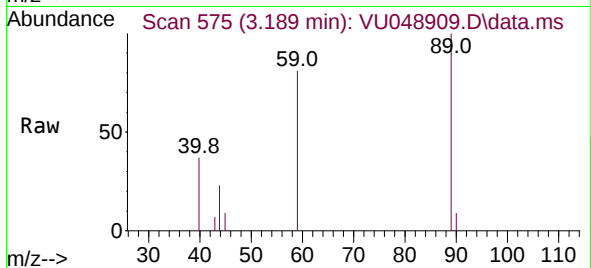




#11
Tert butyl alcohol
Concen: 3.454 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

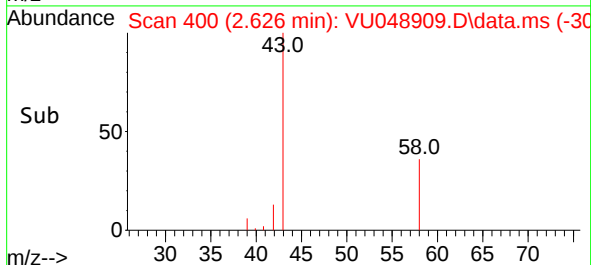
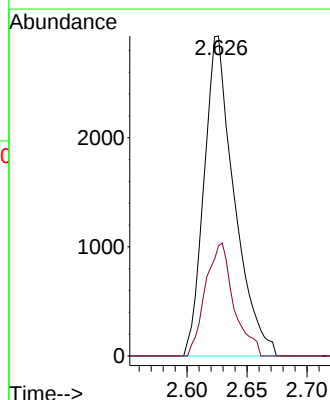
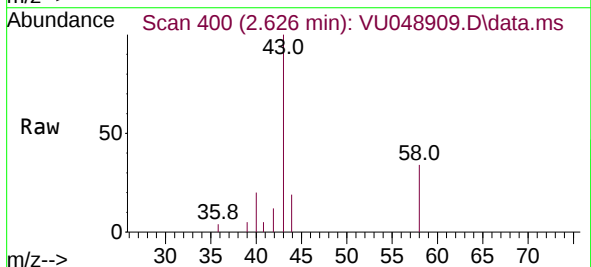
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

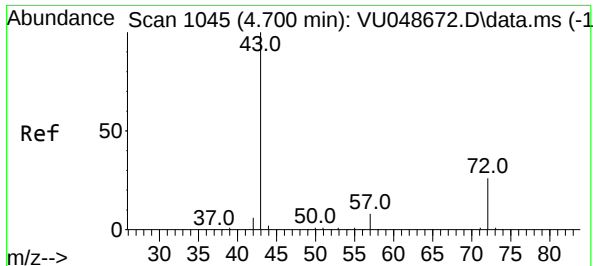
Tgt Ion: 59 Resp: 3345
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#16
Acetone
Concen: 2.634 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 43 Resp: 5128
Ion Ratio Lower Upper
43 100
58 34.3 26.3 39.5

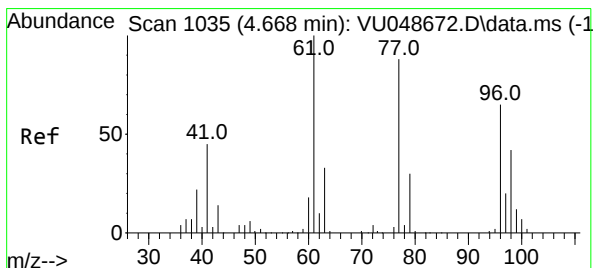
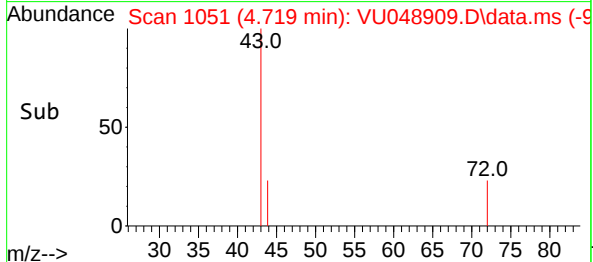
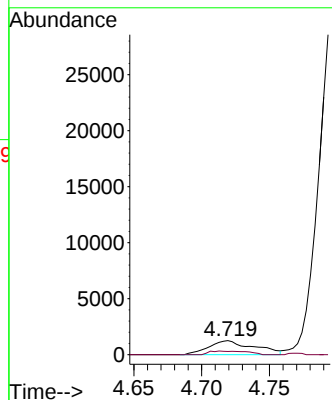
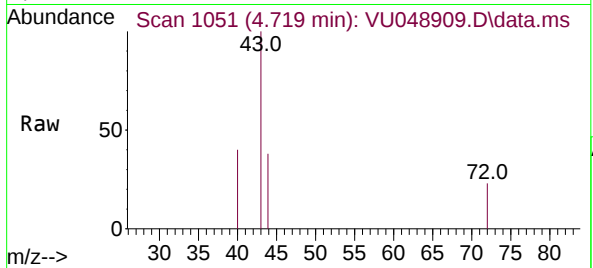




#25
2-Butanone
Concen: 1.043 ug/l
RT: 4.719 min Scan# 1051
Delta R.T. 0.019 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

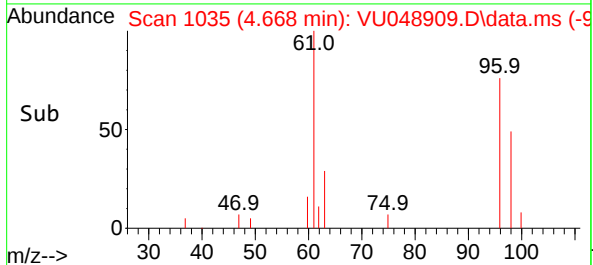
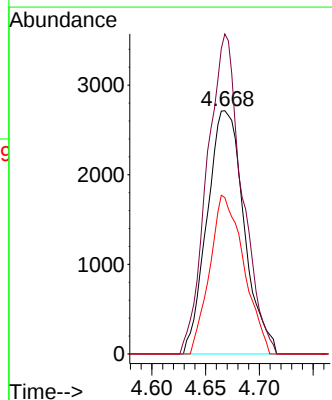
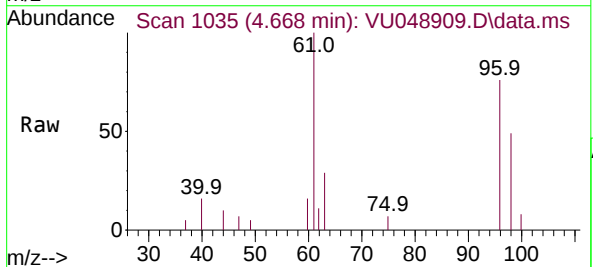
Instrument :
MSVOA_U
ClientSampleId :
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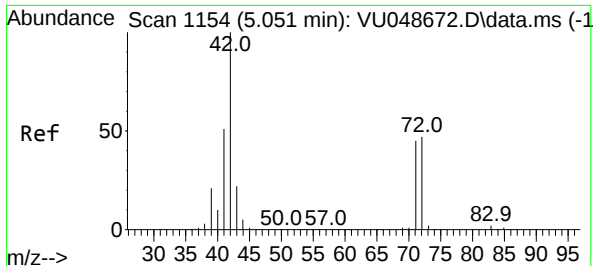
Tgt Ion: 43 Resp: 2916
Ion Ratio Lower Upper
43 100
72 23.1 21.1 31.7



#27
cis-1,2-Dichloroethene
Concen: 1.895 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 96 Resp: 6494
Ion Ratio Lower Upper
96 100
61 124.2 0.0 306.2
98 59.9 0.0 130.4

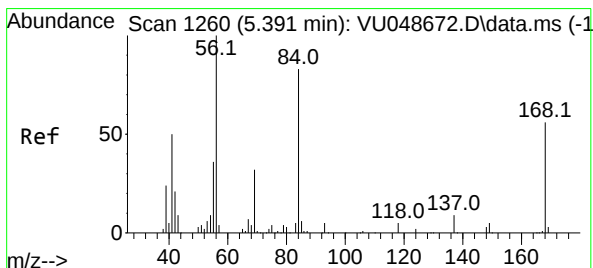
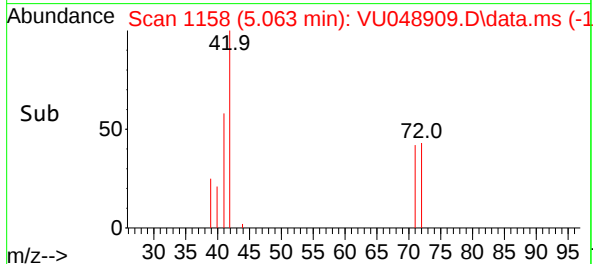
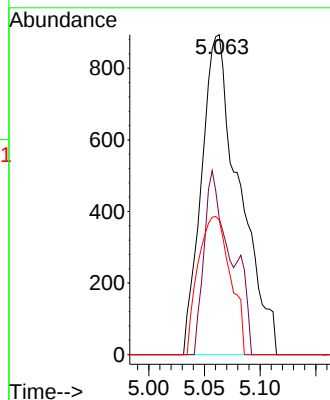
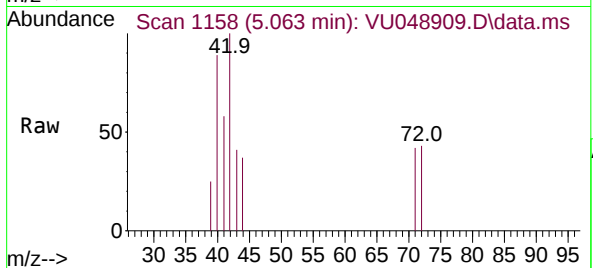




#29
Tetrahydrofuran
Concen: 1.204 ug/l
RT: 5.063 min Scan# 1154
Delta R.T. 0.013 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

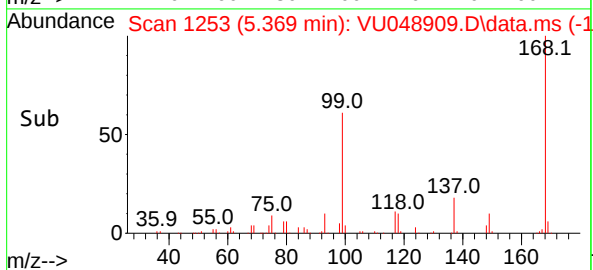
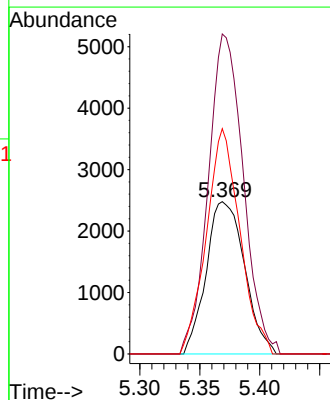
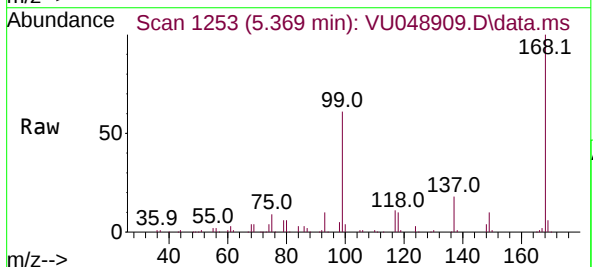
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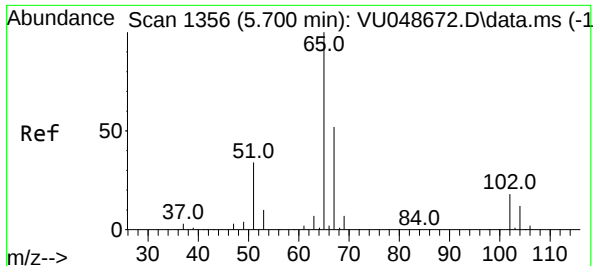
Tgt Ion: 42 Resp: 2120
Ion Ratio Lower Upper
42 100
72 32.8 37.6 56.4#
71 36.5 35.0 52.4



#31
Cyclohexane
Concen: 1.145 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 56 Resp: 5512
Ion Ratio Lower Upper
56 100
69 210.1 25.6 38.4#
84 148.0 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.975 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048909.D

Acq: 07 Jun 2022 15:02

Instrument :

MSVOA_U

ClientSampleId :

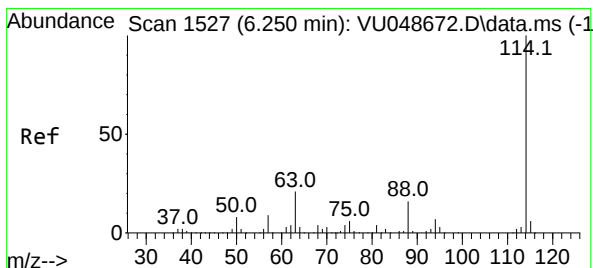
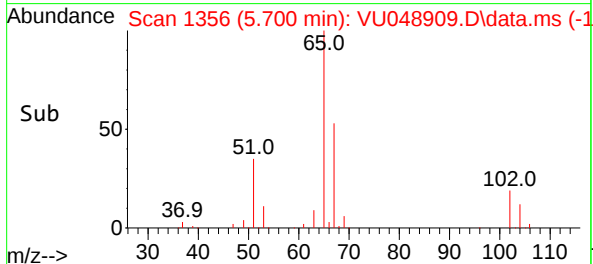
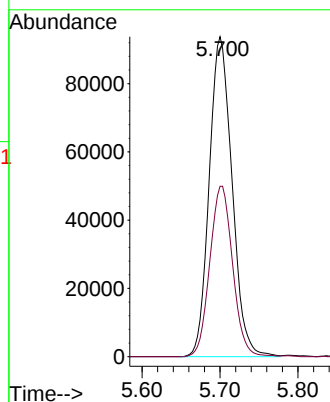
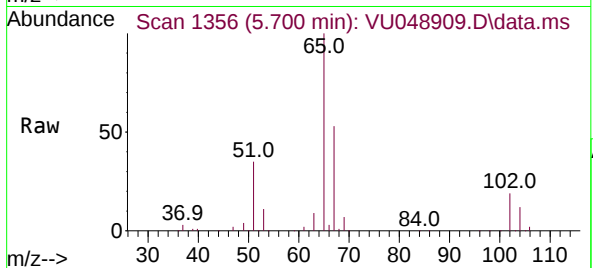
64BR-20220531

Tgt Ion: 65 Resp: 190878

Ion Ratio Lower Upper

65 100

67 53.2 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: VU048909.D

Acq: 07 Jun 2022 15:02

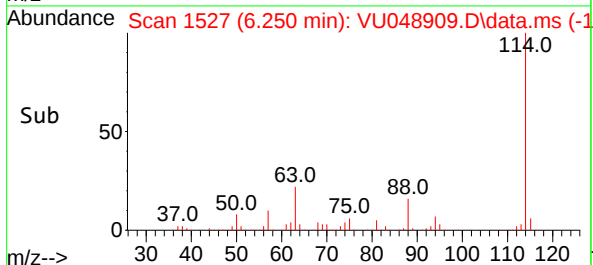
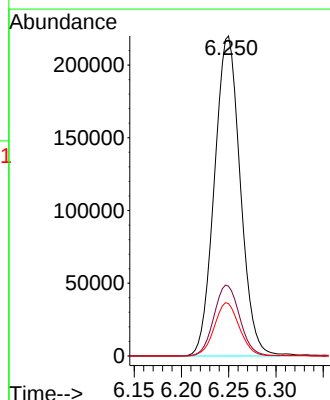
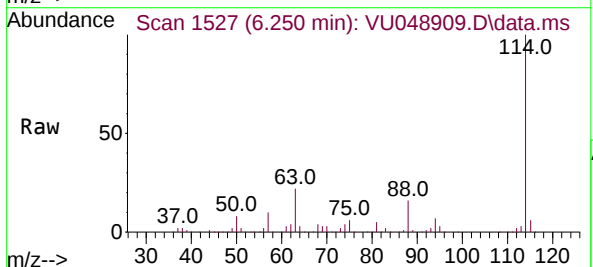
Tgt Ion: 114 Resp: 417746

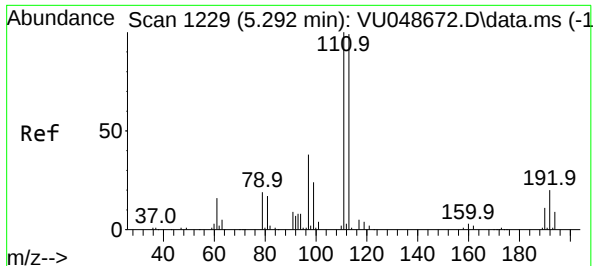
Ion Ratio Lower Upper

114 100

63 21.8 0.0 42.6

88 16.4 0.0 32.2

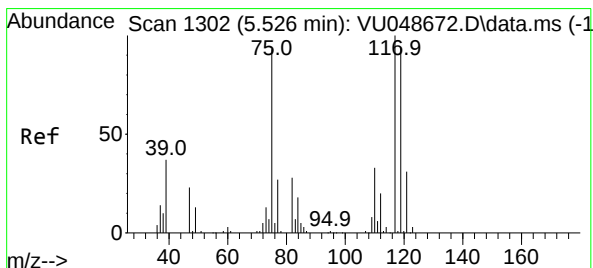
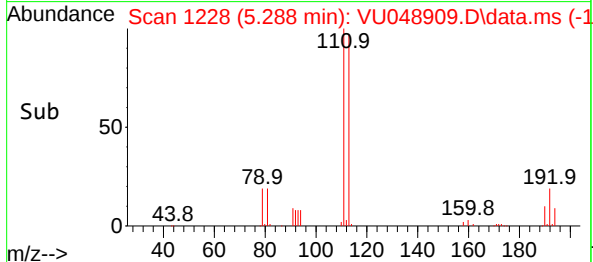
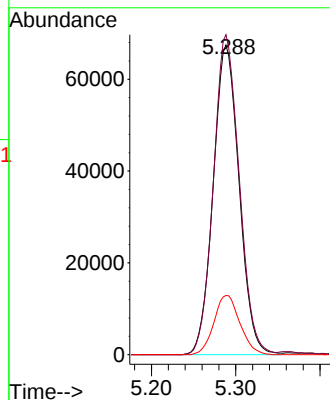
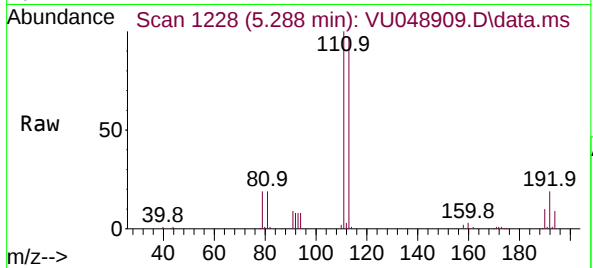




#35
Dibromofluoromethane
Concen: 48.300 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

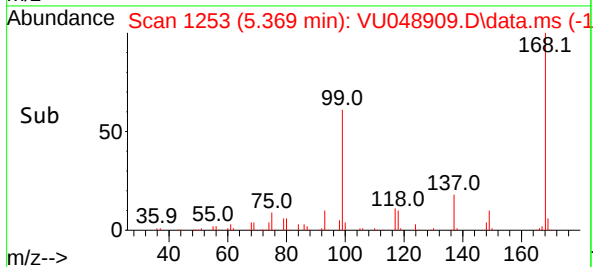
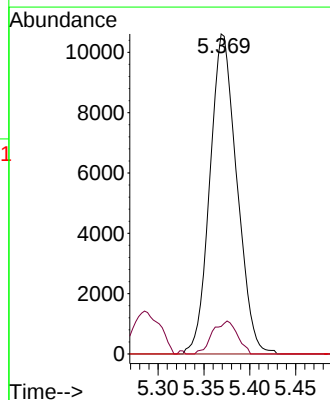
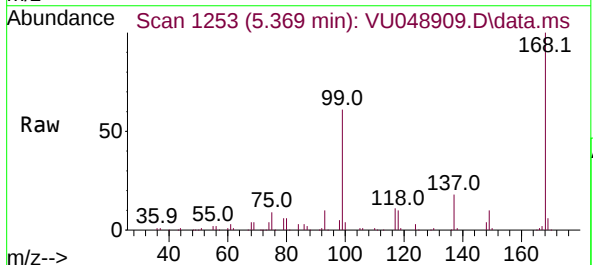
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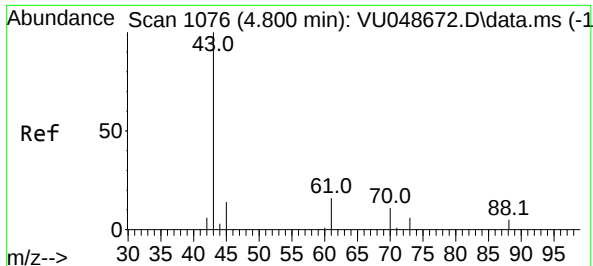
Tgt Ion:113 Resp: 143949
Ion Ratio Lower Upper
113 100
111 103.0 80.7 121.1
192 19.2 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.987 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 75 Resp: 21691
Ion Ratio Lower Upper
75 100
110 9.5 17.4 52.3#
77 0.0 24.8 37.2#

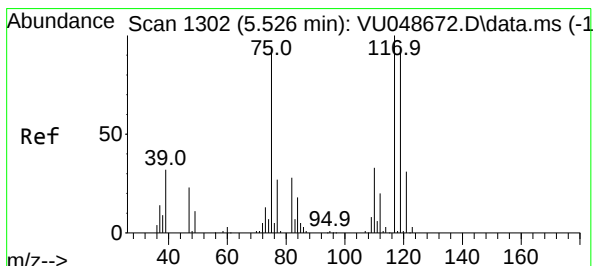
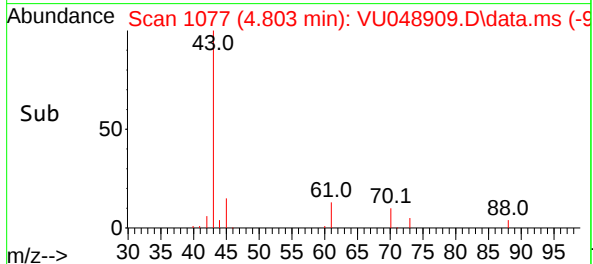
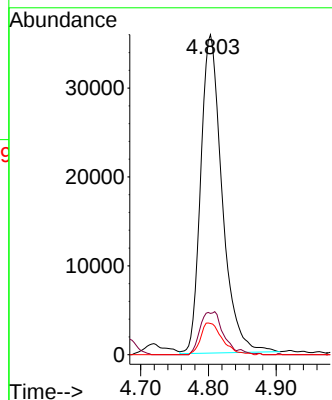
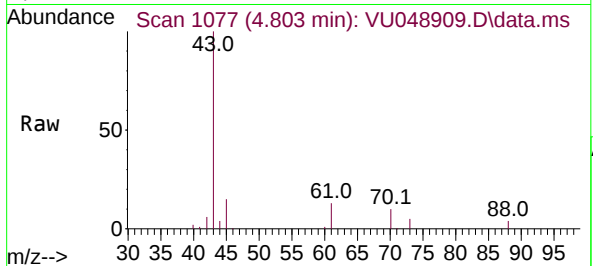




#37
Ethyl Acetate
Concen: 14.283 ug/l
RT: 4.803 min Scan# 1077
Delta R.T. 0.003 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

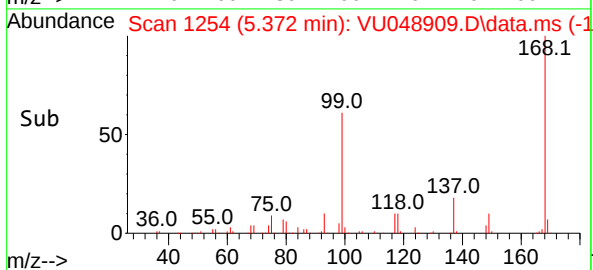
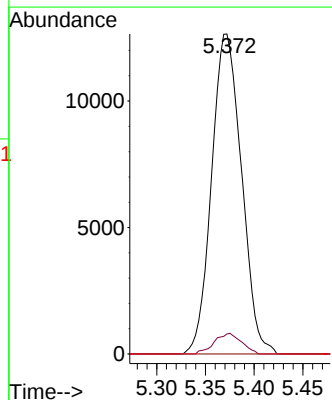
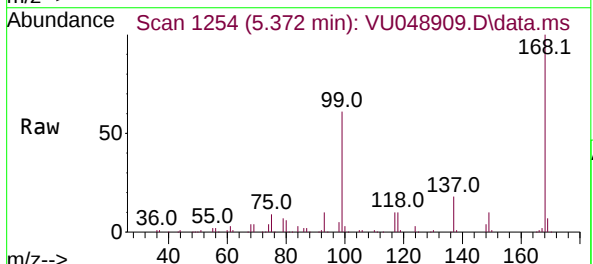
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

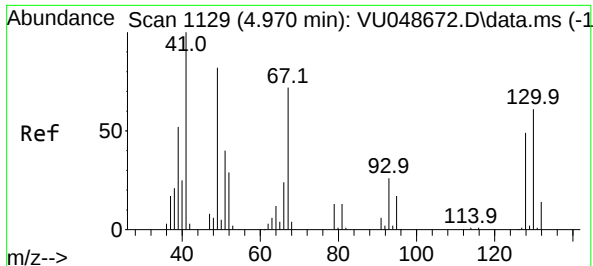
Tgt Ion: 43 Resp: 78540
Ion Ratio Lower Upper
43 100
61 14.2 11.7 17.5
70 10.0 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.414 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 117 Resp: 27017
Ion Ratio Lower Upper
117 100
119 6.2 75.4 113.2#
121 0.0 24.6 36.8#

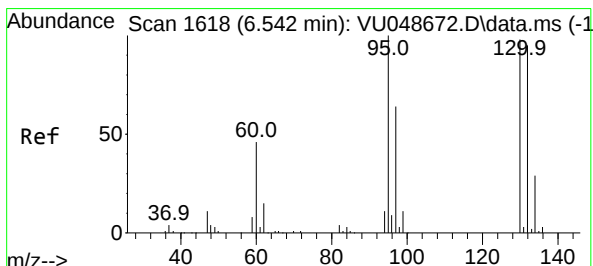
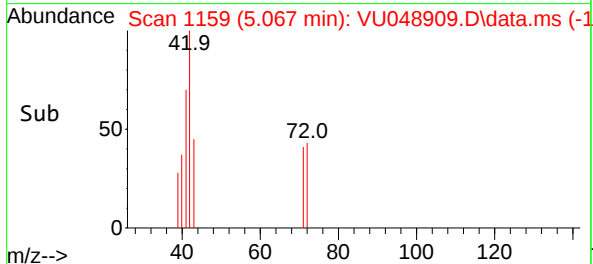
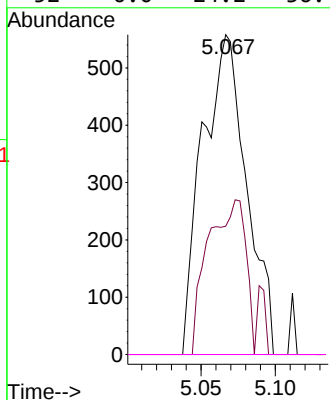
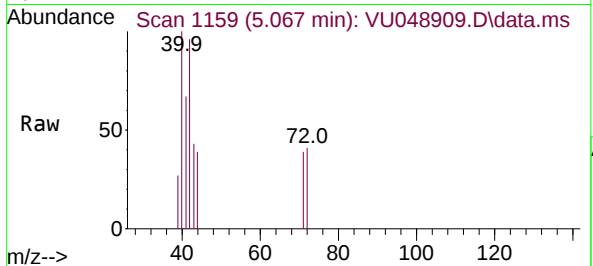




#41
Methacrylonitrile
Concen: 0.415 ug/l
RT: 5.067 min Scan# 1129
Delta R.T. 0.096 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

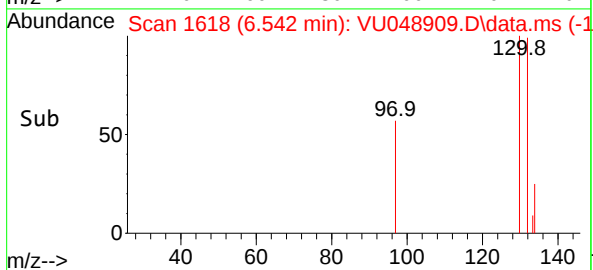
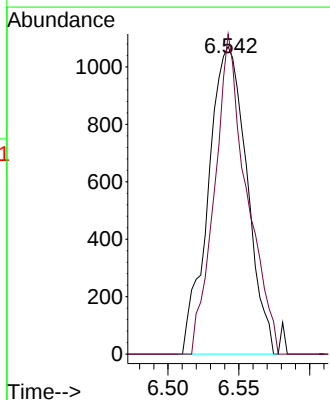
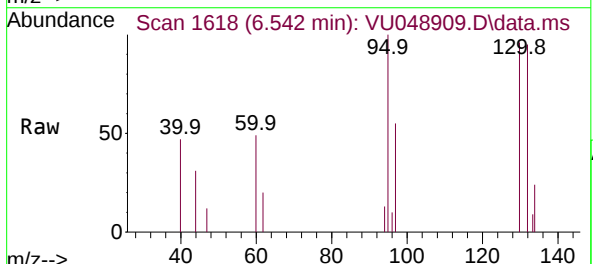
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

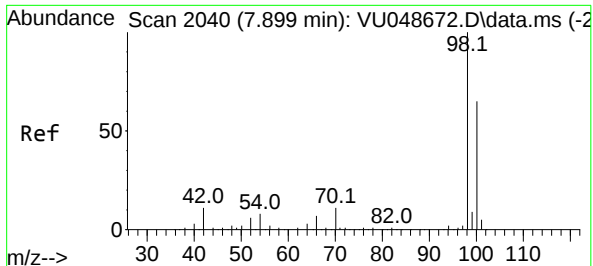
Tgt Ion: 41	Resp:	1152
Ion	Ratio	Lower Upper
41	100	
39	41.3	42.6 64.0#
67	0.0	61.0 91.4#
52	0.0	24.2 36.4#



#44
Trichloroethene
Concen: 0.613 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 130	Resp:	2029
Ion	Ratio	Lower Upper
130	100	
95	104.1	0.0 204.8

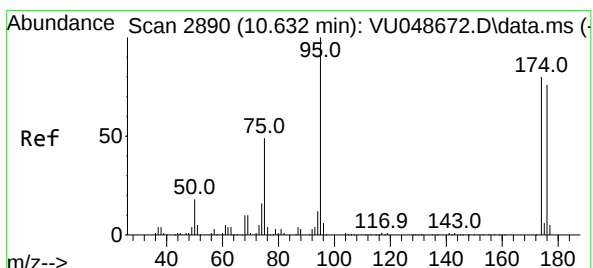
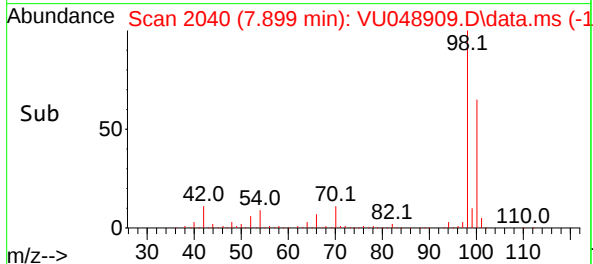
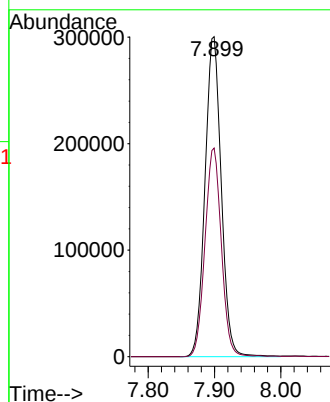
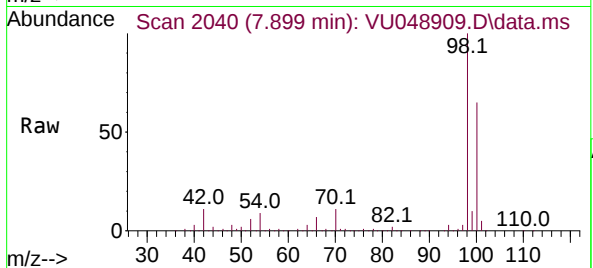




#50
Toluene-d8
Concen: 47.865 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

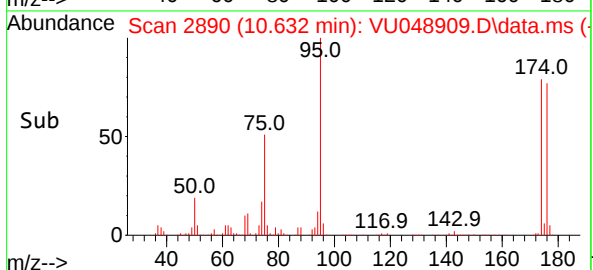
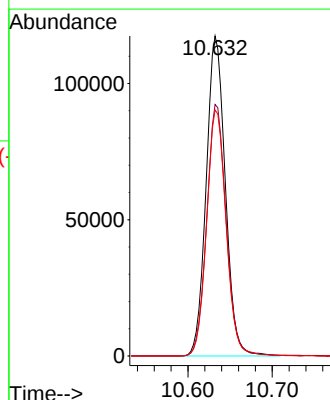
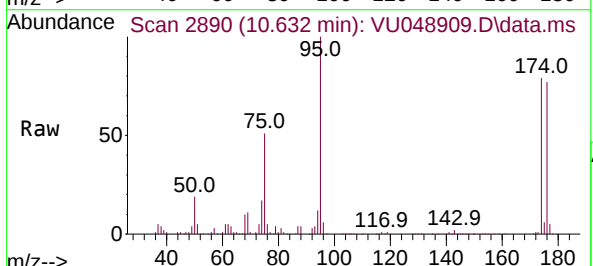
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

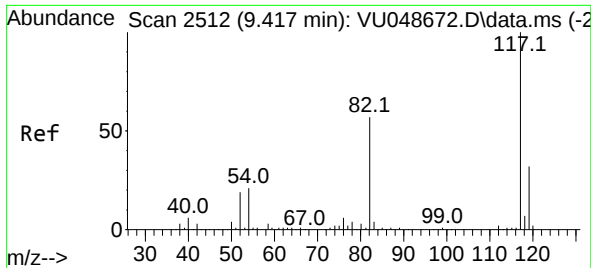
Tgt Ion: 98 Resp: 511355
Ion Ratio Lower Upper
98 100
100 65.3 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 45.911 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 95 Resp: 185497
Ion Ratio Lower Upper
95 100
174 80.3 0.0 159.4
176 78.2 0.0 152.4

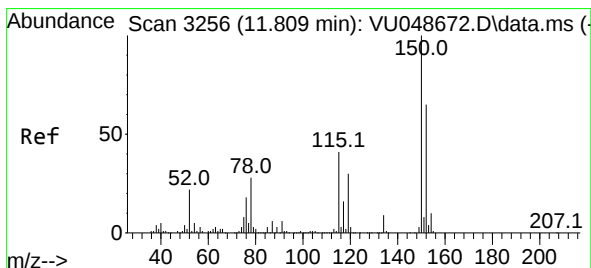
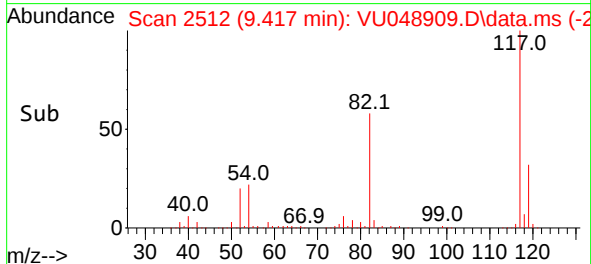
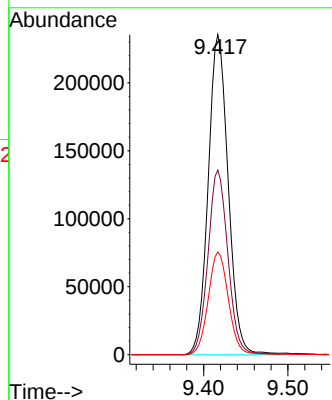
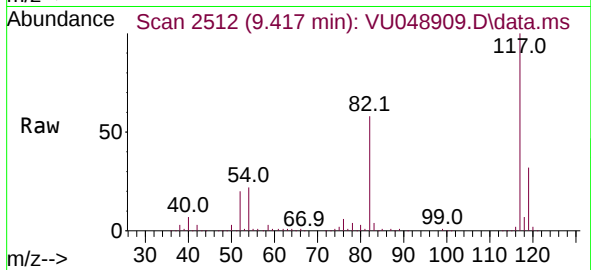




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

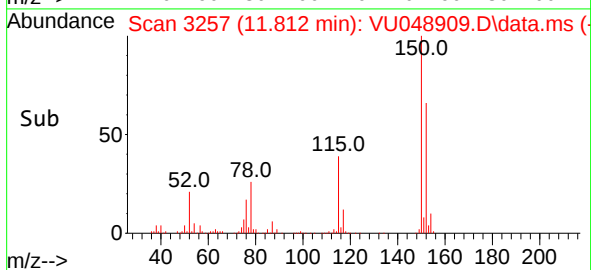
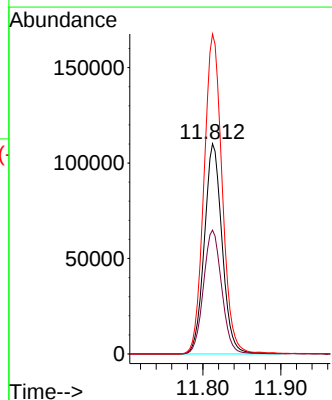
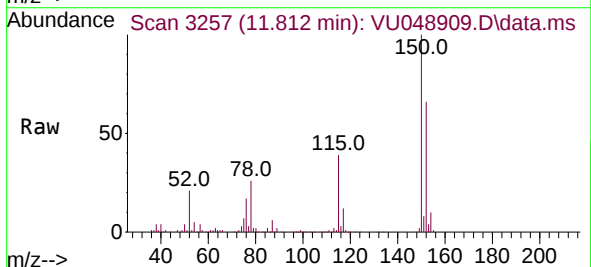
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

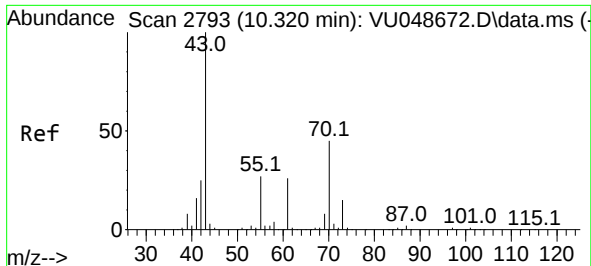
Tgt Ion:117 Resp: 388894
Ion Ratio Lower Upper
117 100
82 57.7 45.3 67.9
119 32.1 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion:152 Resp: 174336
Ion Ratio Lower Upper
152 100
115 60.5 41.8 125.4
150 155.1 0.0 341.0

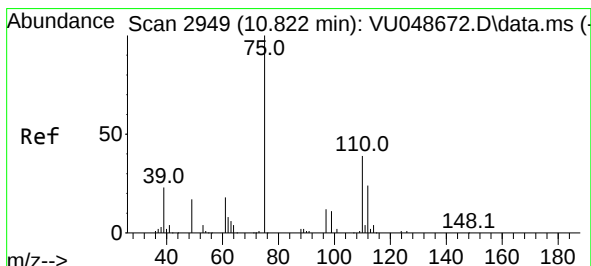
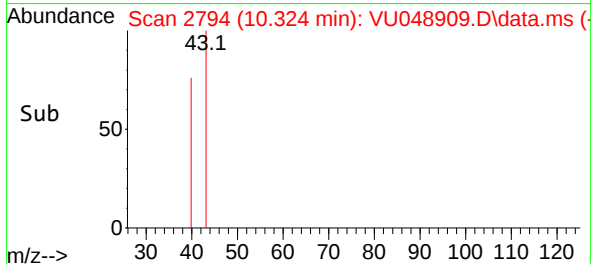
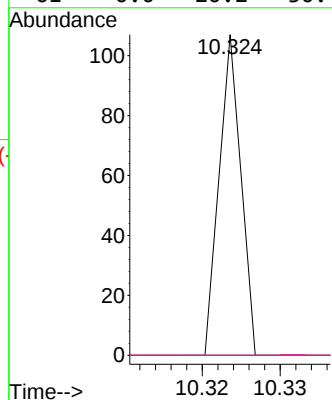
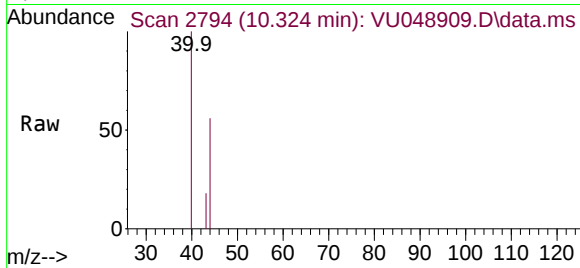




#74
N-amy1 acetate
Concen: 2.470 ug/l
RT: 10.324 min Scan# 21
Delta R.T. 0.004 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

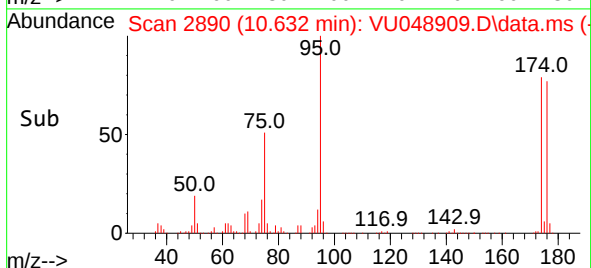
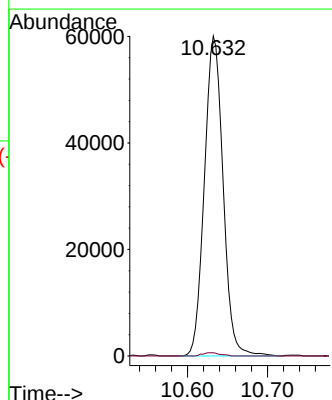
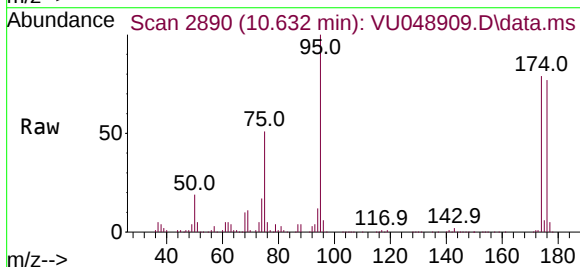
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

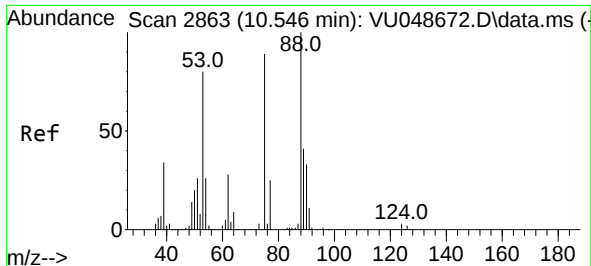
Tgt Ion: 43	Resp: 21
Ion Ratio	Lower Upper
43 100	
70 0.0	35.8 53.6#
55 0.0	21.1 31.7#
61 0.0	20.2 30.4#



#76
1,2,3-Trichloropropane
Concen: 17.411 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 75	Resp:	97868	
Ion Ratio	Lower	Upper	
75 100			
77 0.9	14.8	44.3#	

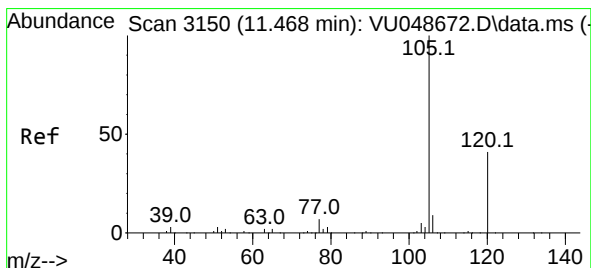
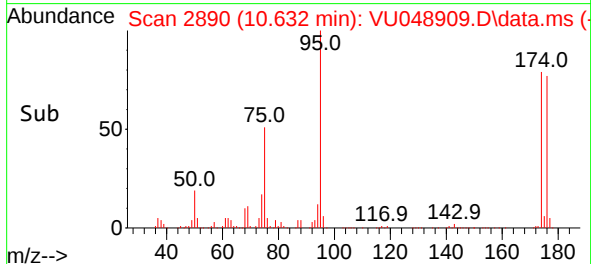
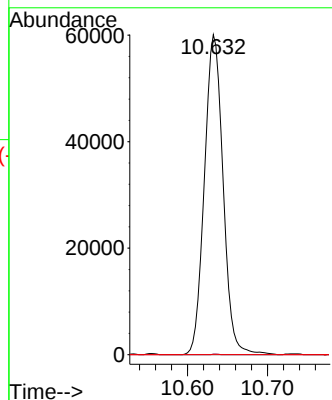
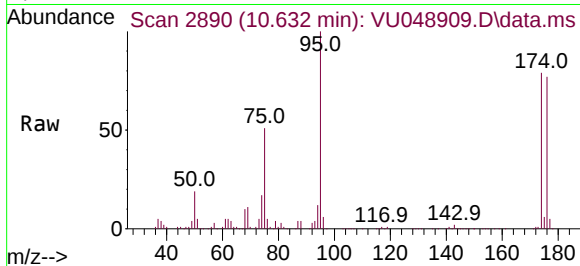




#81
trans-1,4-Dichloro-2-butene
Concen: 63.217 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

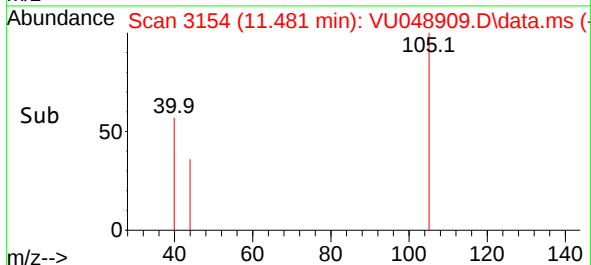
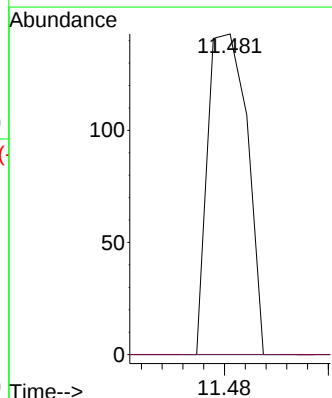
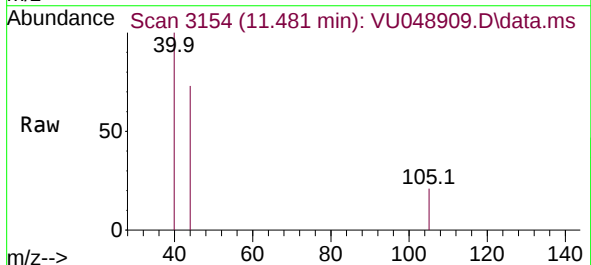
Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

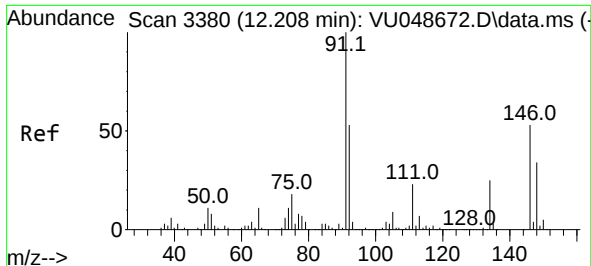
Tgt Ion: 75 Resp: 97868
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.194 ug/l
RT: 11.481 min Scan# 3154
Delta R.T. 0.013 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 105 Resp: 75
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

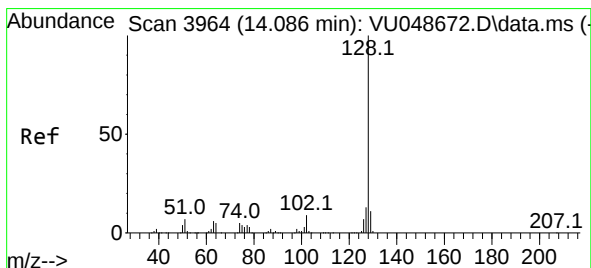
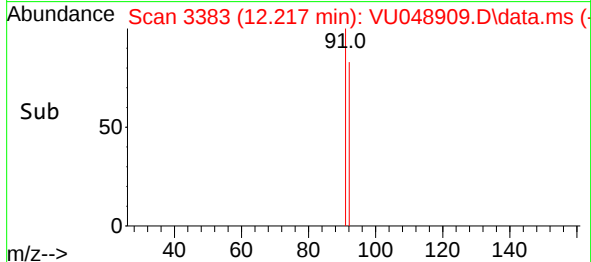
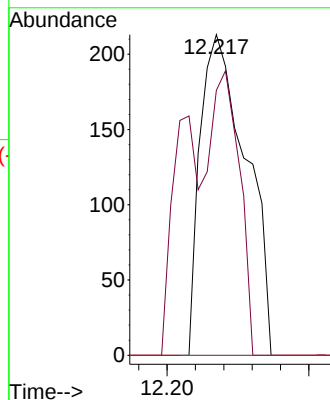
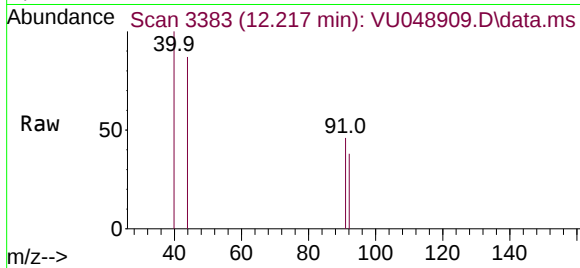




#89
n-Butylbenzene
Concen: 2.208 ug/l
RT: 12.217 min Scan# 31
Delta R.T. 0.009 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Instrument :
MSVOA_U
ClientSampleId :
64BR-20220531

Tgt Ion: 91	Resp:	239
Ion	Ratio	Lower Upper
91	100	
92	59.8	25.9 77.8
134	0.0	12.5 37.5#



#95
Naphthalene
Concen: 2.653 ug/l
RT: 14.105 min Scan# 3970
Delta R.T. 0.019 min
Lab File: VU048909.D
Acq: 07 Jun 2022 15:02

Tgt Ion: 128	Resp:	1736
Ion	Ratio	Lower Upper
128	100	
127	11.3	10.2 15.4
129	0.0	8.7 13.1#

