

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048915.D
 Acq On : 07 Jun 2022 17:23
 Operator : SY/MD
 Sample : N3165-17
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 12S-20220601

Quant Time: Jun 08 04:54:32 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)

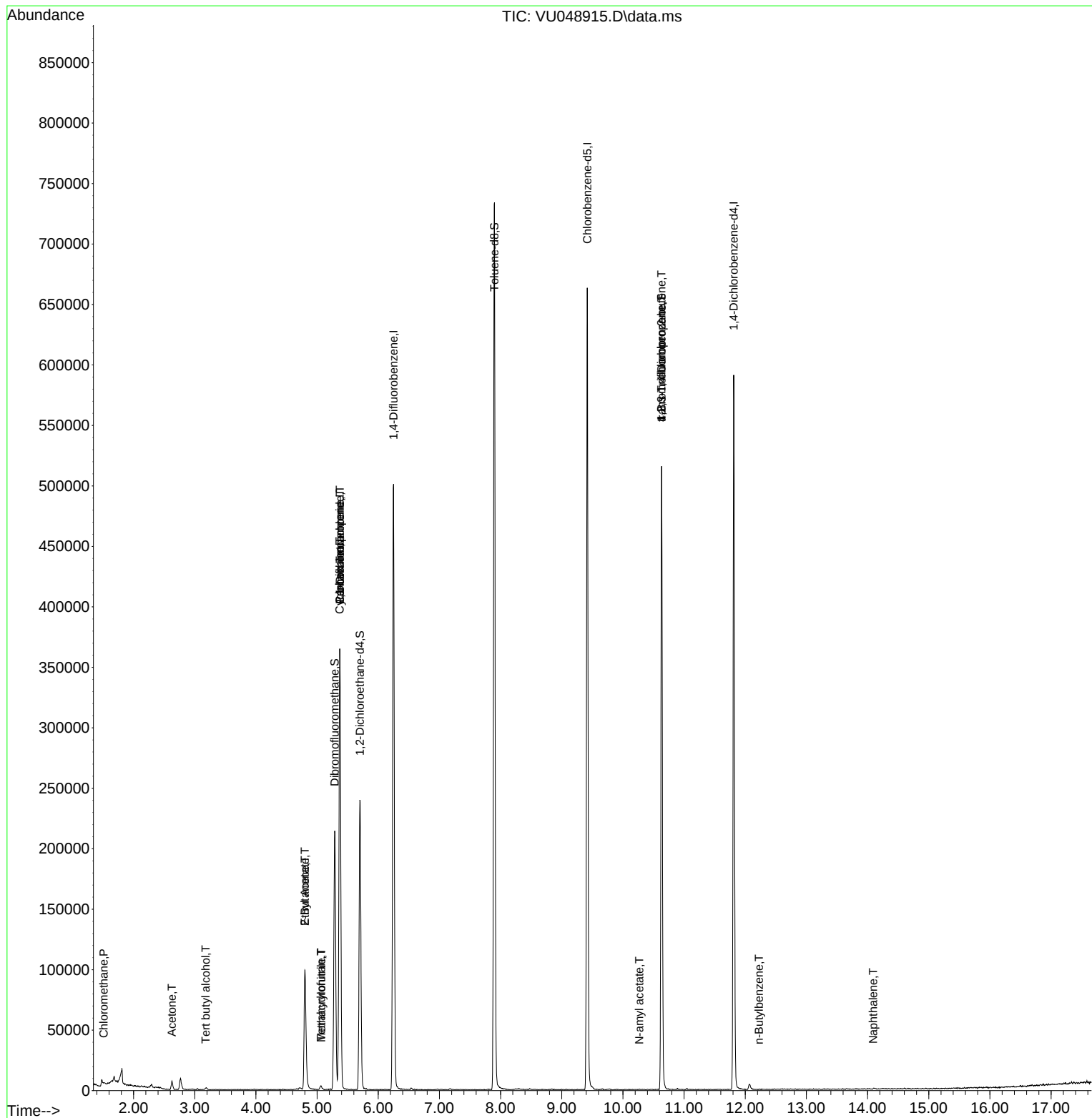
Internal Standards						
1) Pentafluorobenzene	5.372	168	247010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	396186	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	356530	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	158224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	184425	49.715	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.440%		
35) Dibromofluoromethane	5.288	113	139478	49.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.700%		
50) Toluene-d8	7.899	98	487915	48.156	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.320%		
62) 4-Bromofluorobenzene	10.632	95	171811	44.838	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.680%		
Target Compounds						Qvalue
3) Chloromethane	1.514	50	1162	0.319	ug/l #	78
5) Bromomethane	1.887	94	64	Below Cal	#	3
6) Chloroethane	1.909	64	123	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	1215	1.292	ug/l #	28
13) Acrolein	2.482	56	141	Below Cal	#	14
16) Acetone	2.626	43	7417	3.923	ug/l	97
25) 2-Butanone	4.800	43	129222	47.580	ug/l #	49
29) Tetrahydrofuran	5.067	42	1711	1.000	ug/l #	87
31) Cyclohexane	5.369	56	5544	1.186	ug/l #	4
36) 1,1-Dichloropropene	5.372	75	20598	4.993	ug/l #	50
37) Ethyl Acetate	4.800	43	129222	24.779	ug/l	98
38) Carbon Tetrachloride	5.372	117	25218	5.328	ug/l #	17
41) Methacrylonitrile	5.070	41	1338	0.508	ug/l #	42
74) N-amyl acetate	10.269	43	21	2.471	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	89493	17.542	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	89493	63.694	ug/l #	13
89) n-Butylbenzene	12.224	91	46	2.190	ug/l #	34
95) Naphthalene	14.092	128	356	2.560	ug/l #	69

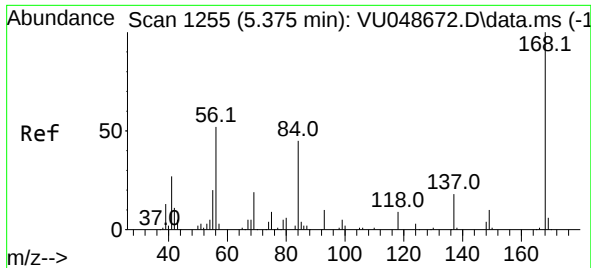
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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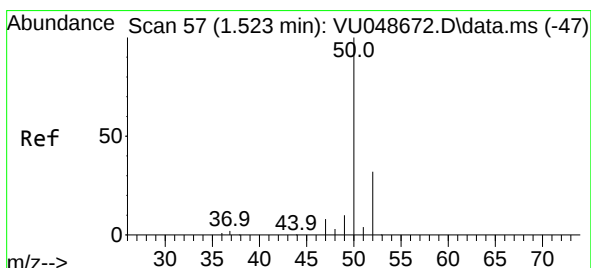
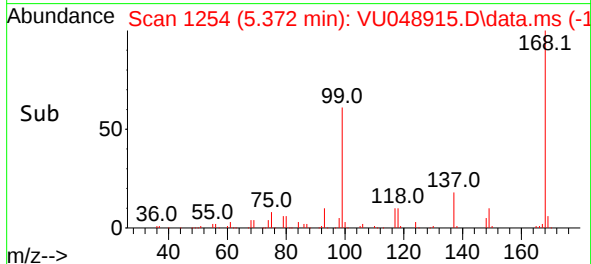
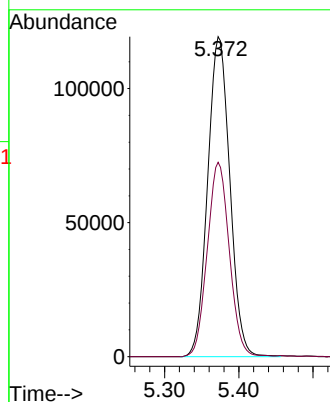
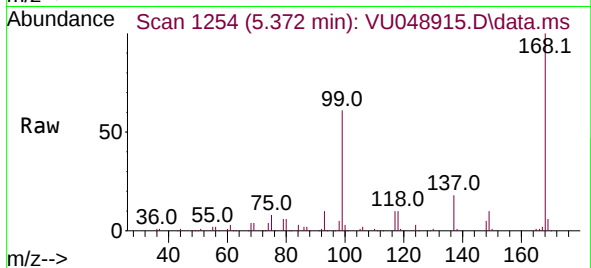




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

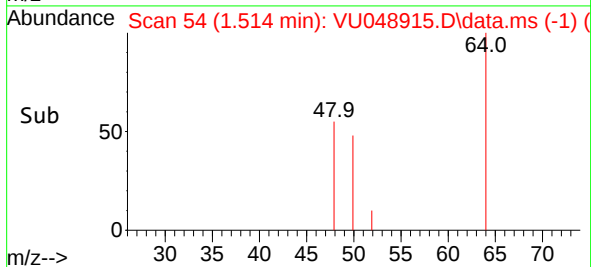
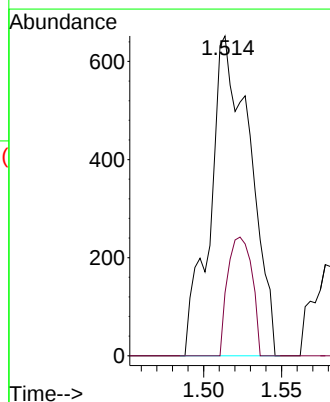
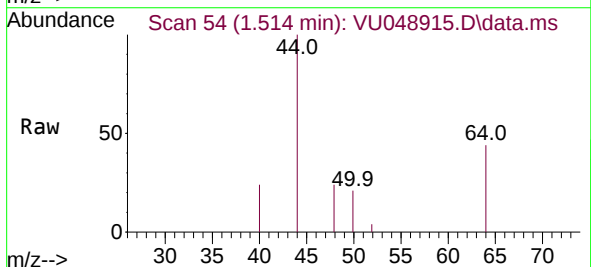
Instrument :
MSVOA_U
ClientSampleId :
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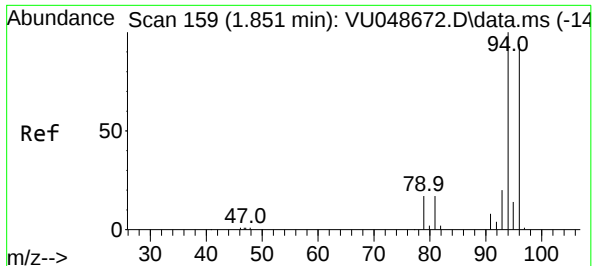
Tgt Ion:168 Resp: 247010
Ion Ratio Lower Upper
168 100
99 60.8 49.3 73.9



#3
Chloromethane
Concen: 0.319 ug/l
RT: 1.514 min Scan# 54
Delta R.T. -0.010 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 50 Resp: 1162
Ion Ratio Lower Upper
50 100
52 19.6 25.7 38.5#

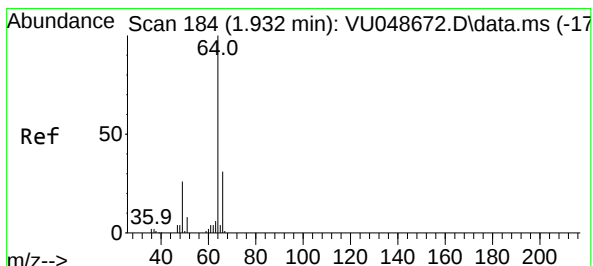
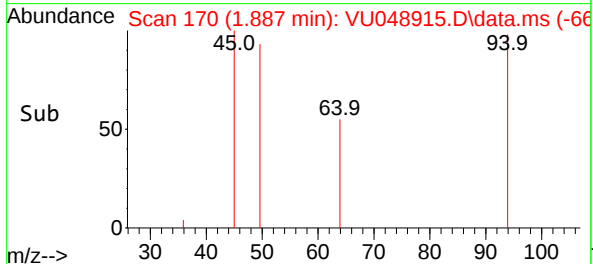
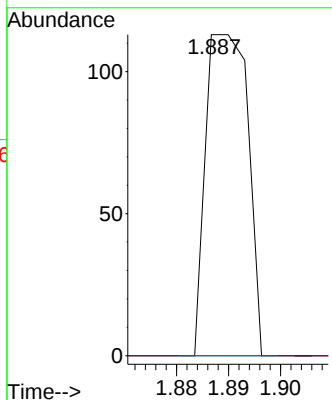
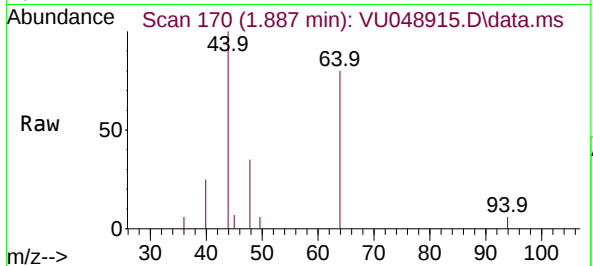




#5
Bromomethane
Concen: Below Cal
RT: 1.887 min Scan# 11
Delta R.T. 0.036 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

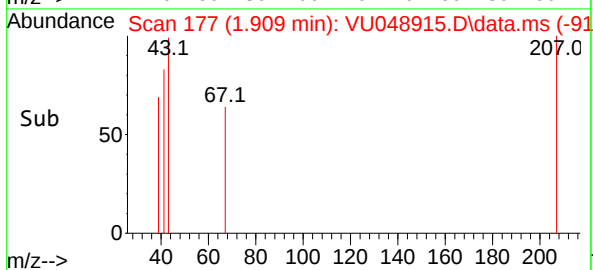
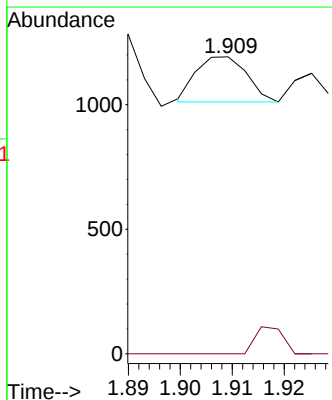
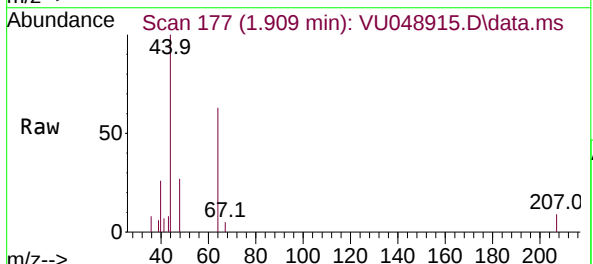
Instrument :
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ClientSampleId :
12S-20220601

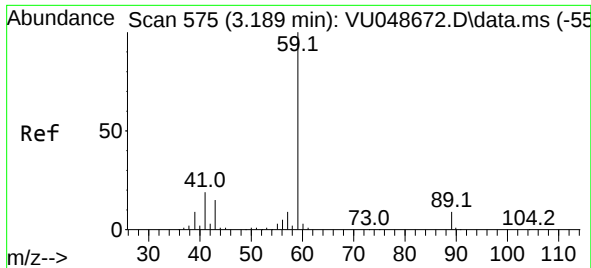
Tgt Ion: 94 Resp: 64
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.909 min Scan# 177
Delta R.T. -0.023 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 64 Resp: 123
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

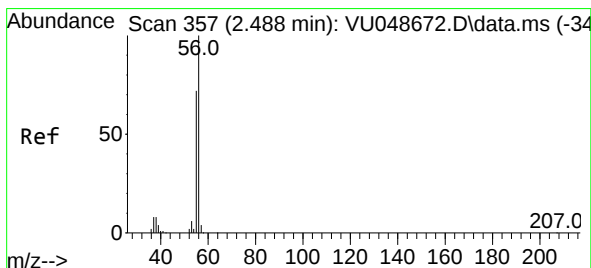
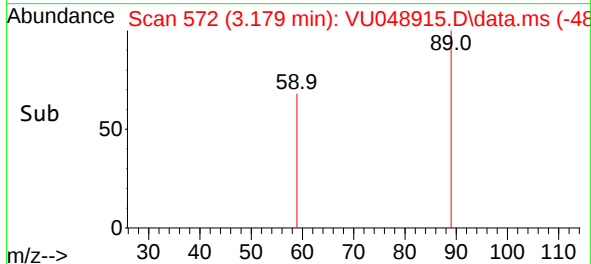
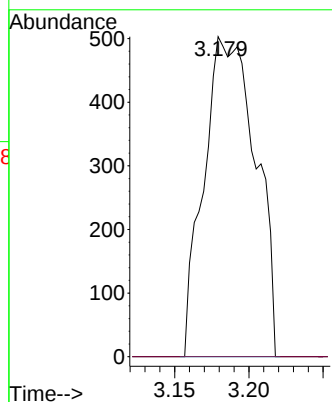
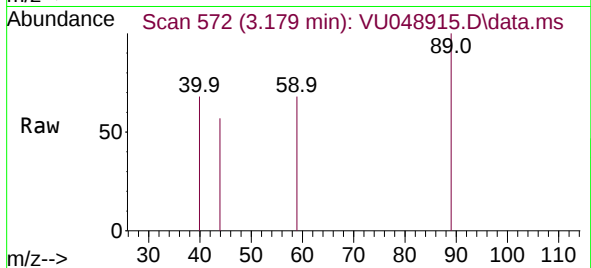




#11
Tert butyl alcohol
Concen: 1.292 ug/l
RT: 3.179 min Scan# 51
Delta R.T. -0.010 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

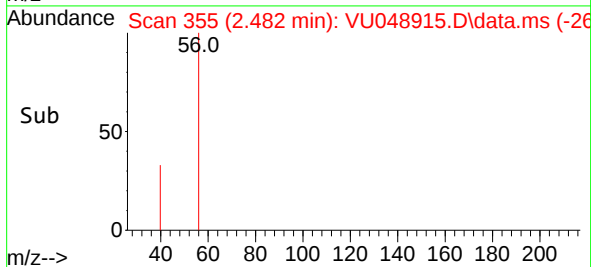
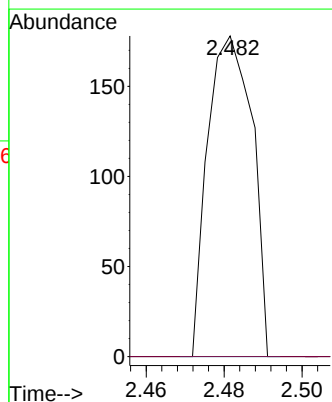
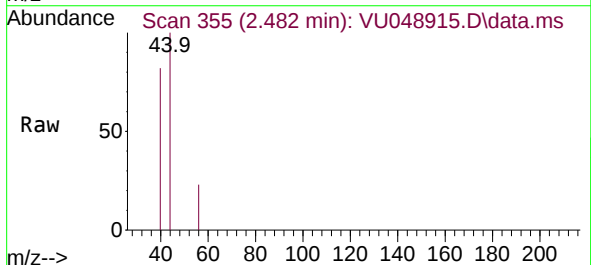
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

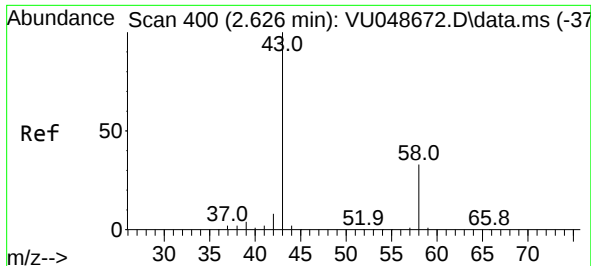
Tgt Ion: 59 Resp: 1215
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 355
Delta R.T. -0.006 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 56 Resp: 141
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

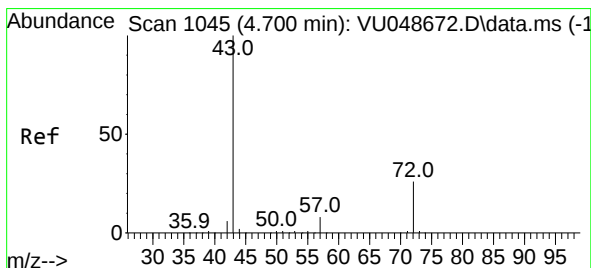
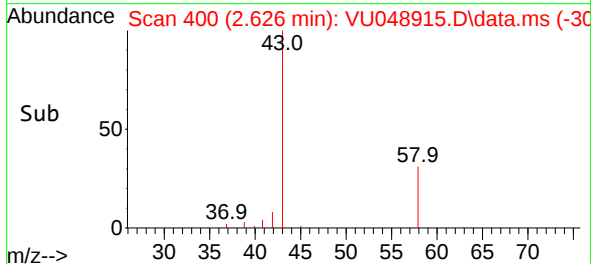
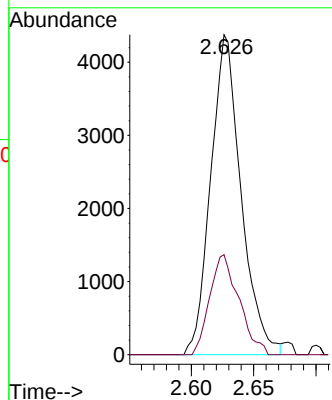
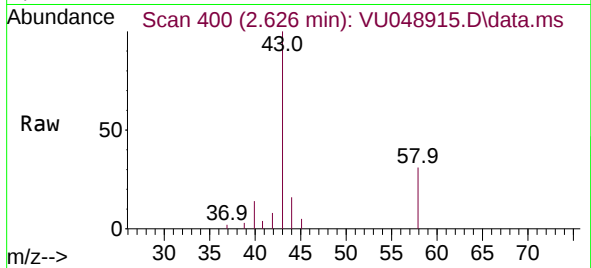




#16
Acetone
Concen: 3.923 ug/l
RT: 2.626 min Scan# 400
Delta R.T. -0.000 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

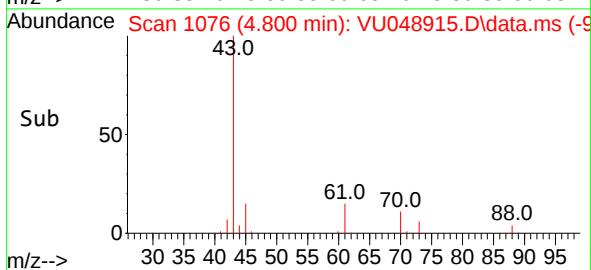
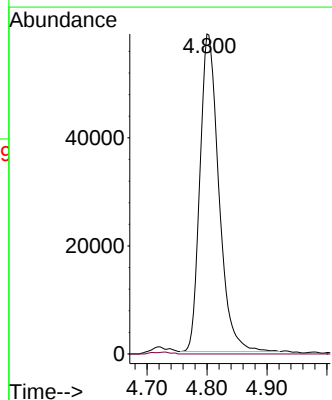
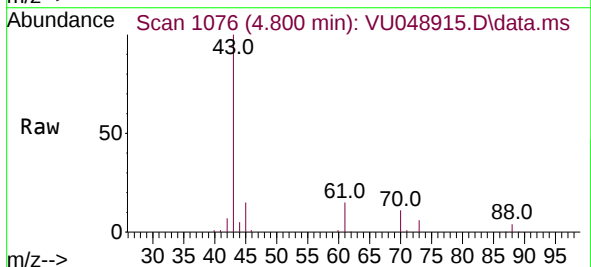
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

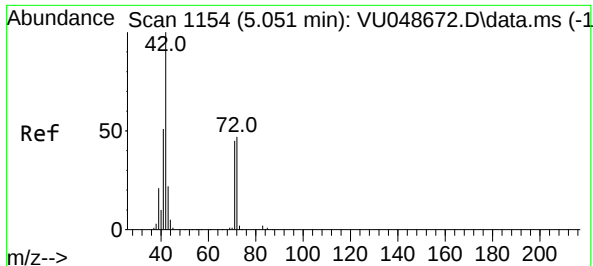
Tgt Ion: 43 Resp: 7417
Ion Ratio Lower Upper
43 100
58 31.2 26.3 39.5



#25
2-Butanone
Concen: 47.580 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 43 Resp: 129222
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#

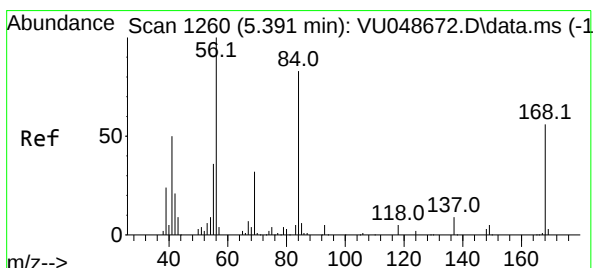
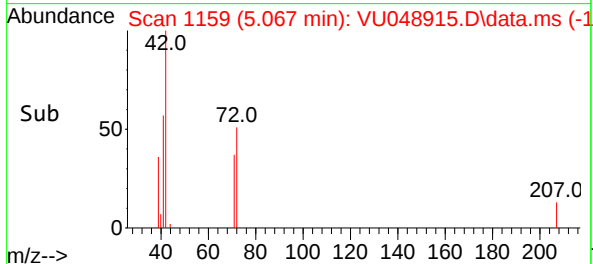
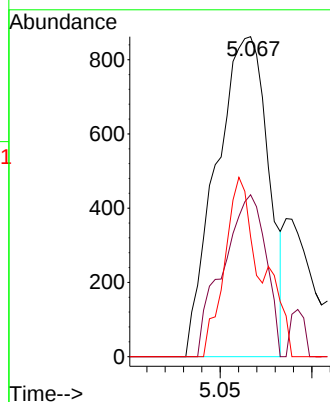
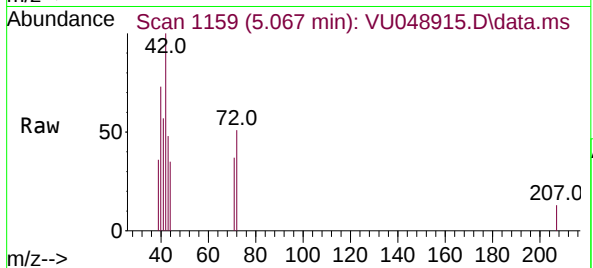




#29
Tetrahydrofuran
Concen: 1.000 ug/l
RT: 5.067 min Scan# 1159
Delta R.T. 0.016 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

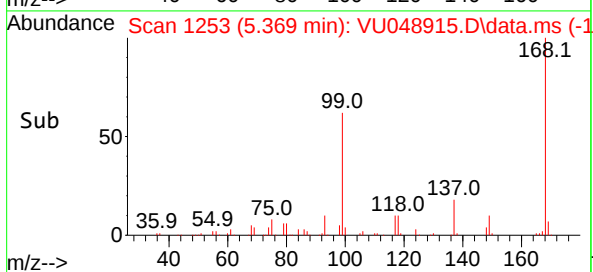
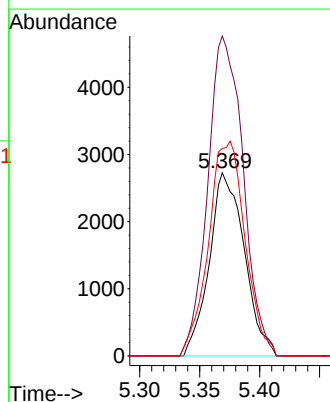
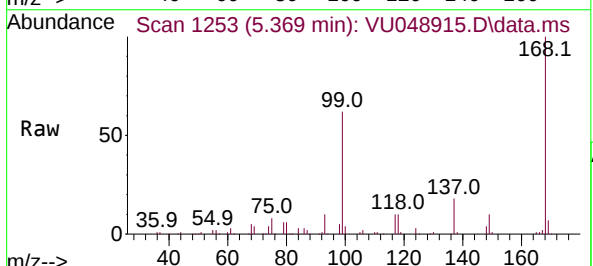
Instrument :
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ClientSampleId :
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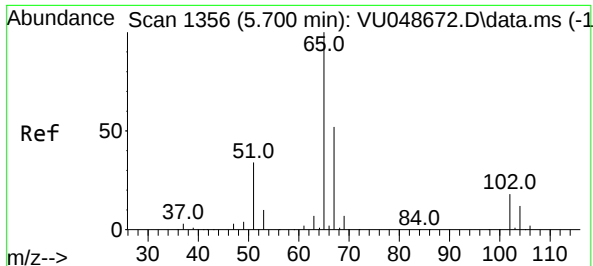
Tgt Ion:	42	Resp:	1711
Ion	Ratio	Lower	Upper
42	100		
72	41.6	37.6	56.4
71	31.3	35.0	52.4#



#31
Cyclohexane
Concen: 1.186 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.023 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion:	56	Resp:	5544
Ion	Ratio	Lower	Upper
56	100		
69	174.6	25.6	38.4#
84	113.2	66.2	99.4#





#33

1,2-Dichloroethane-d4

Concen: 49.715 ug/l

RT: 5.700 min Scan# 11

Delta R.T. 0.000 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

Instrument :

MSVOA_U

ClientSampleId :

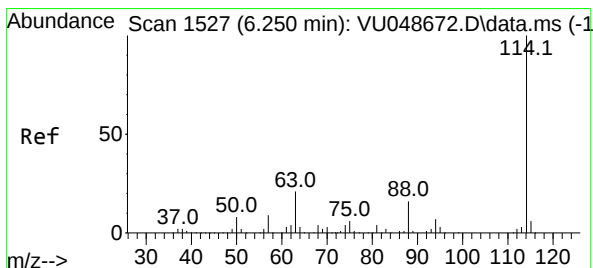
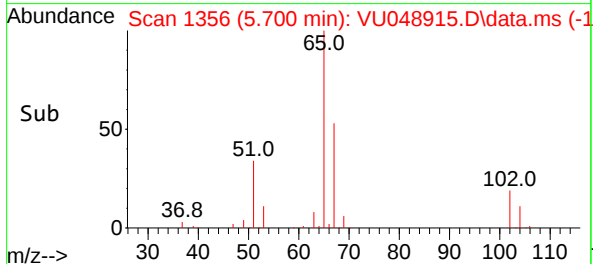
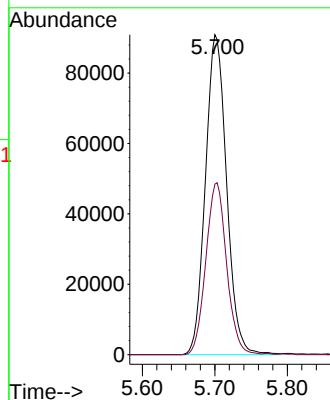
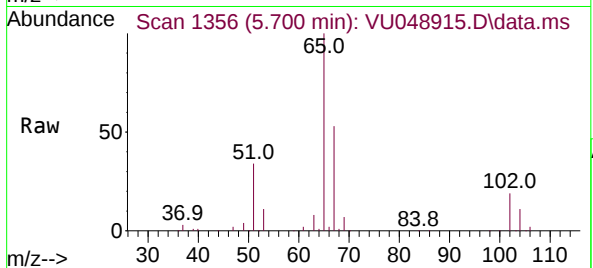
12S-20220601

Tgt Ion: 65 Resp: 184425

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# 1527

Delta R.T. -0.000 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

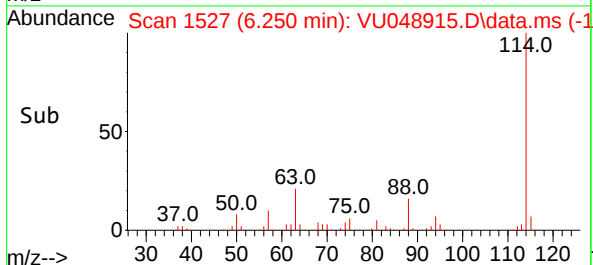
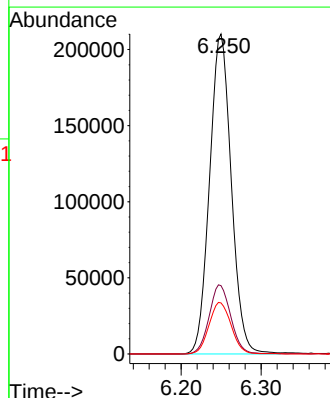
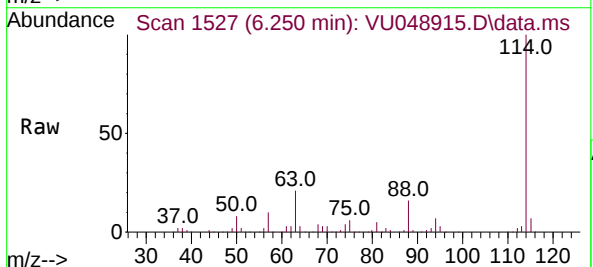
Tgt Ion: 114 Resp: 396186

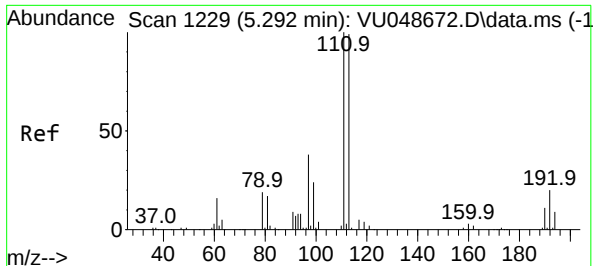
Ion Ratio Lower Upper

114 100

63 21.4 0.0 42.6

88 16.0 0.0 32.2

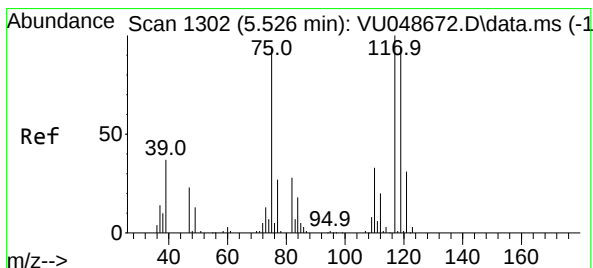
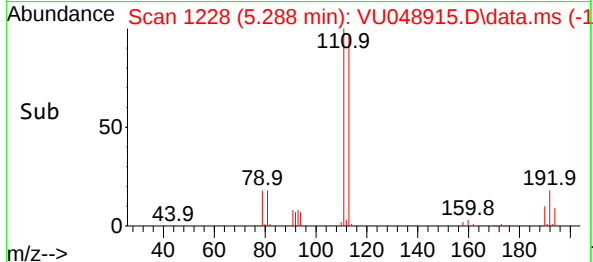
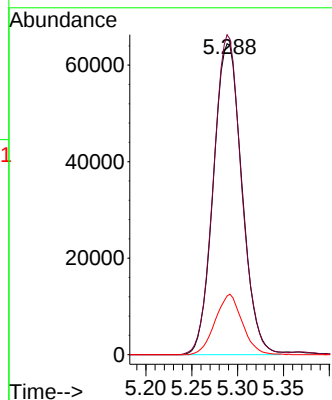
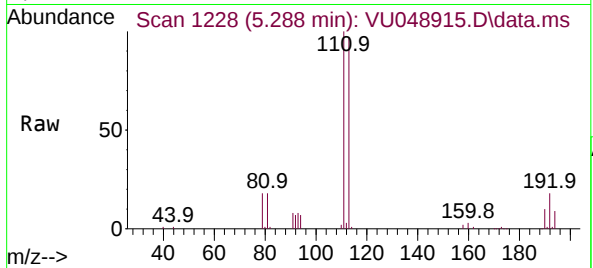




#35
Dibromofluoromethane
Concen: 49.347 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

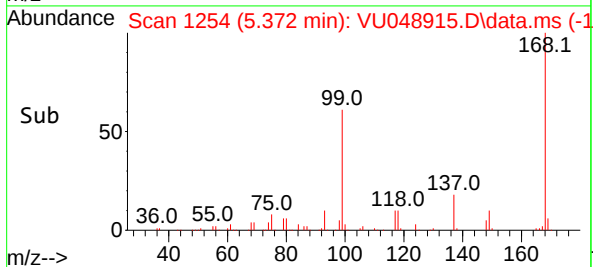
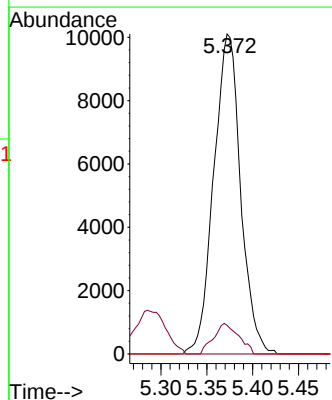
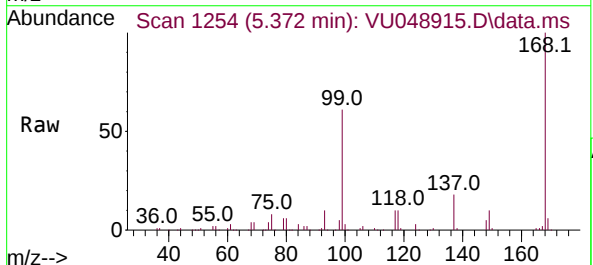
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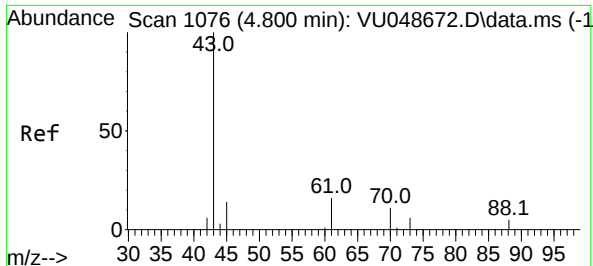
Tgt Ion:113 Resp: 139478
Ion Ratio Lower Upper
113 100
111 101.4 80.7 121.1
192 18.4 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.993 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 75 Resp: 20598
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 24.779 ug/l

RT: 4.800 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

Instrument :

MSVOA_U

ClientSampleId :

12S-20220601

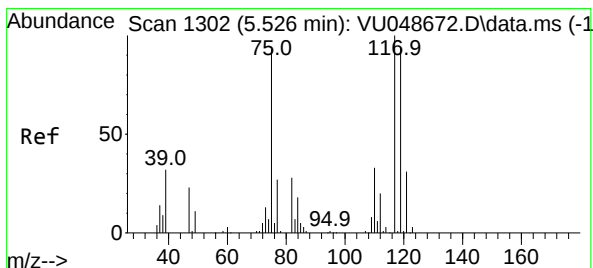
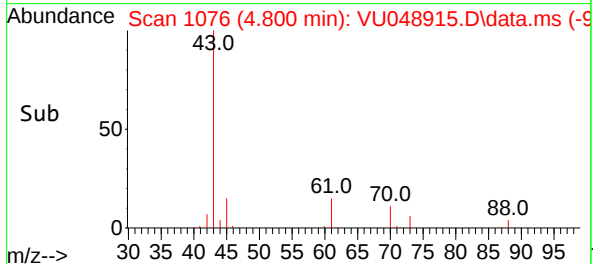
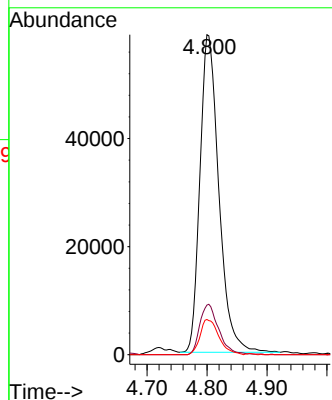
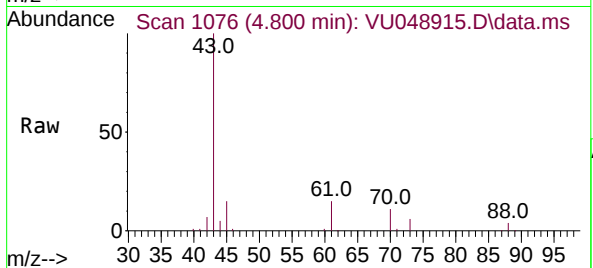
Tgt Ion: 43 Resp: 129222

Ion Ratio Lower Upper

43 100

61 15.8 11.7 17.5

70 11.0 8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.328 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.154 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

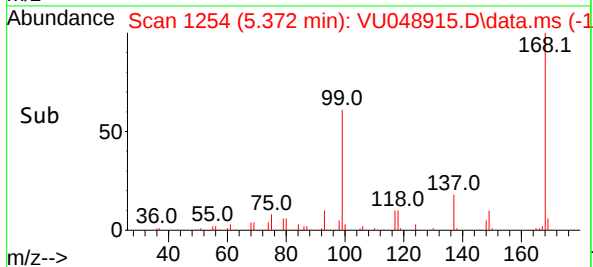
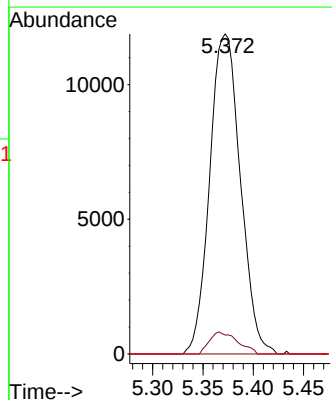
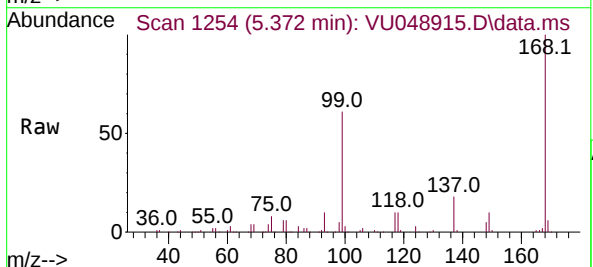
Tgt Ion: 117 Resp: 25218

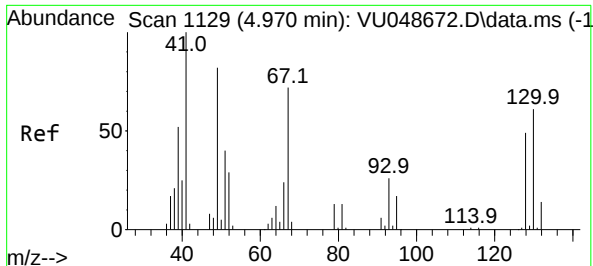
Ion Ratio Lower Upper

117 100

119 5.9 75.4 113.2#

121 0.0 24.6 36.8#

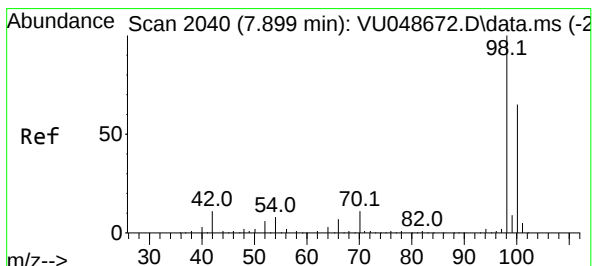
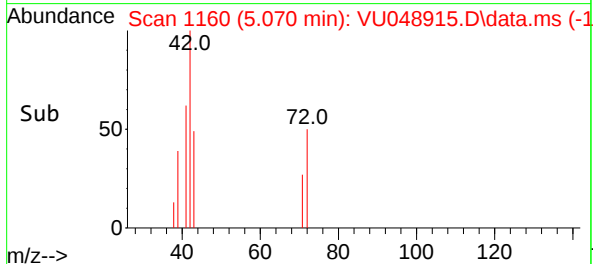
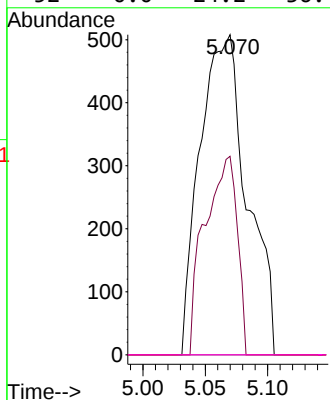
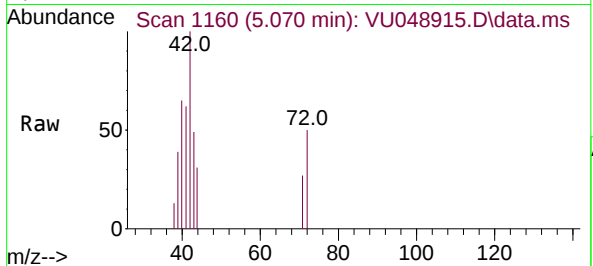




#41
Methacrylonitrile
Concen: 0.508 ug/l
RT: 5.070 min Scan# 1129
Delta R.T. 0.100 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

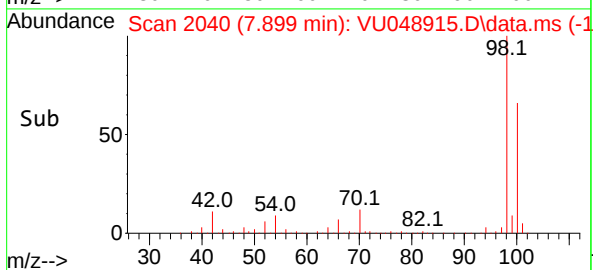
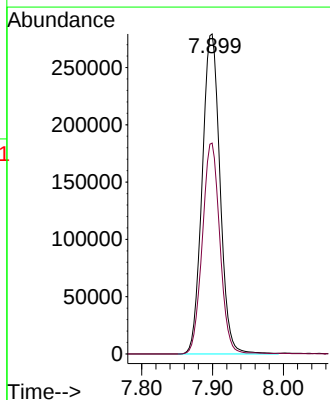
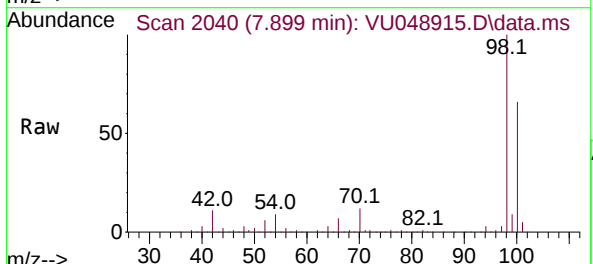
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

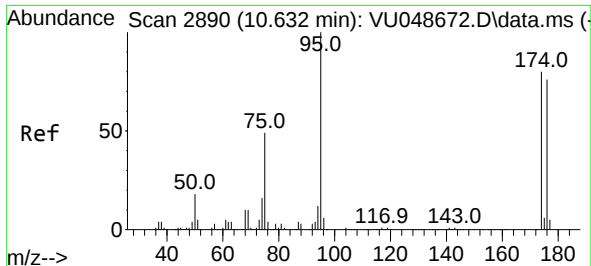
Tgt Ion: 41	Resp: 1338
Ion Ratio	Lower Upper
41 100	
39 42.5	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#50
Toluene-d8
Concen: 48.156 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 98	Resp: 487915
Ion Ratio	Lower Upper
98 100	
100 64.8	52.2 78.4

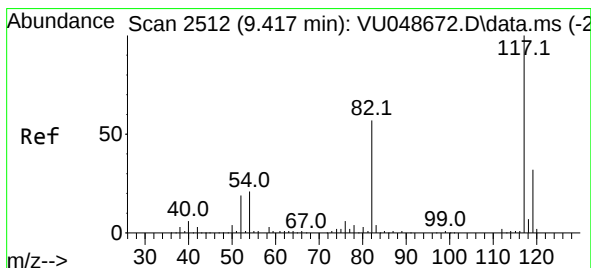
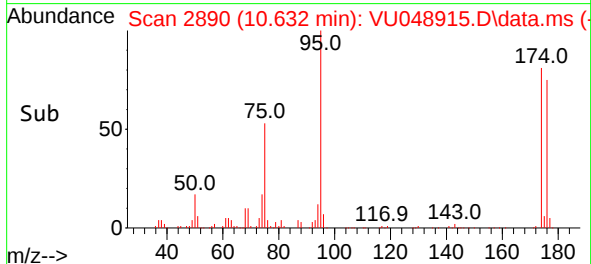
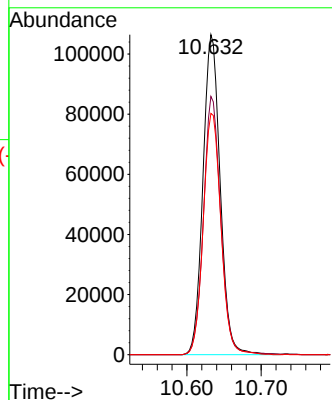
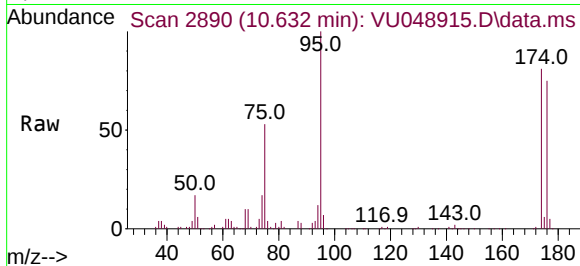




#62
4-Bromofluorobenzene
Concen: 44.838 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

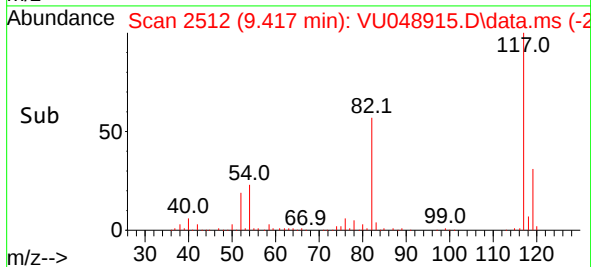
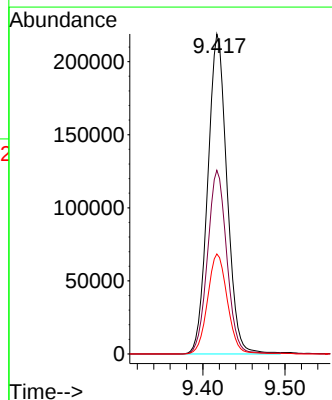
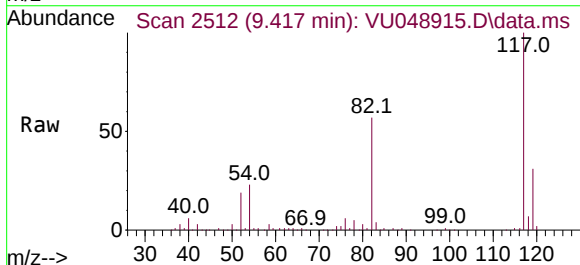
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

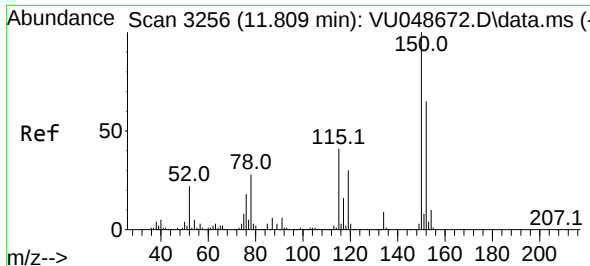
Tgt Ion: 95 Resp: 171811
Ion Ratio Lower Upper
95 100
174 80.5 0.0 159.4
176 77.5 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 117 Resp: 356530
Ion Ratio Lower Upper
117 100
82 57.4 45.3 67.9
119 31.2 25.4 38.2

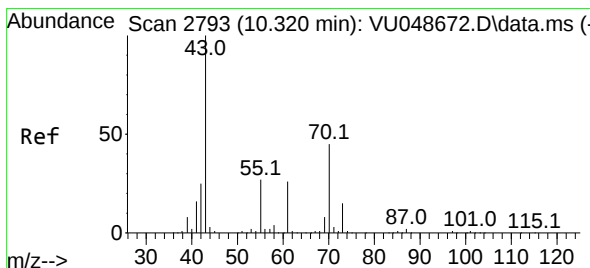
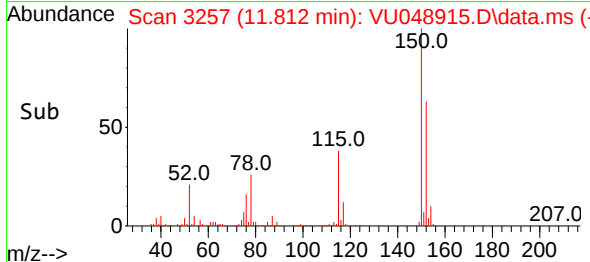
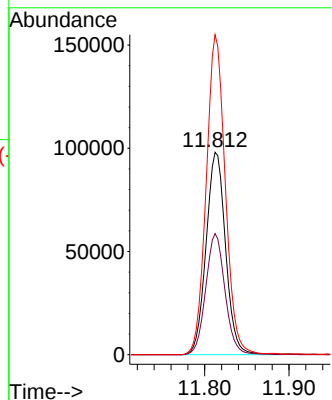
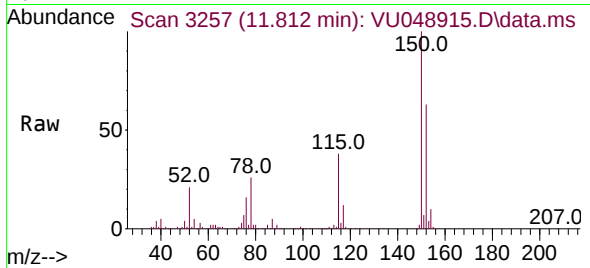




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

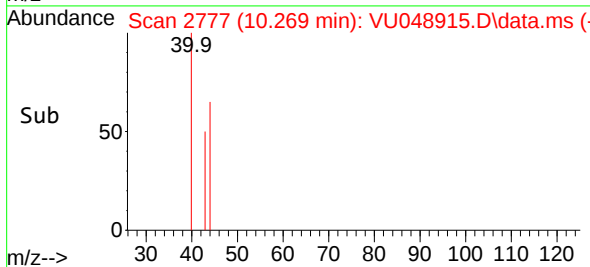
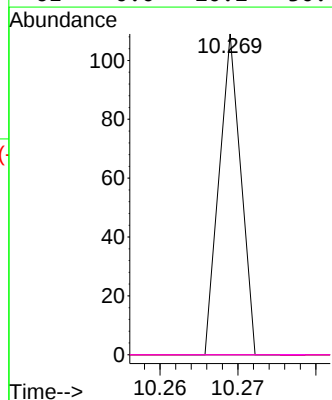
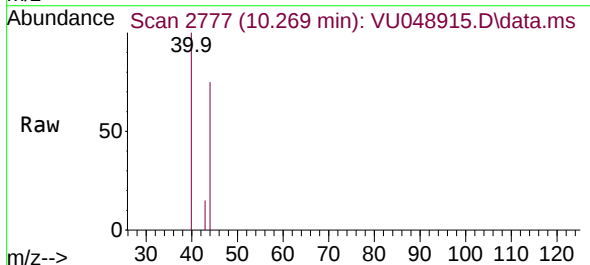
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

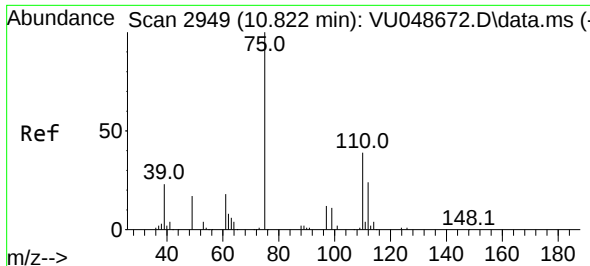
Tgt Ion:152 Resp: 158224
Ion Ratio Lower Upper
152 100
115 59.1 41.8 125.4
150 154.2 0.0 341.0



#74
N-ethyl acetate
Concen: 2.471 ug/l
RT: 10.269 min Scan# 2777
Delta R.T. -0.051 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

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#

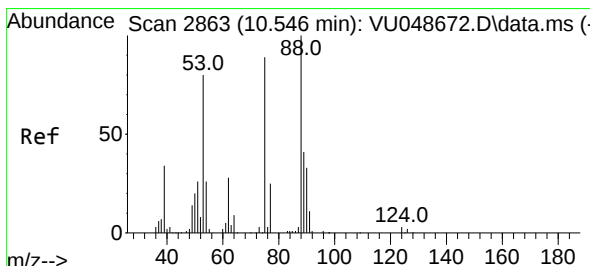
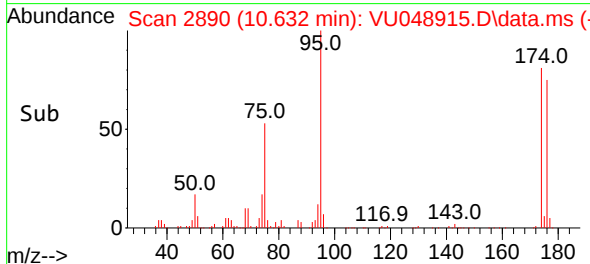
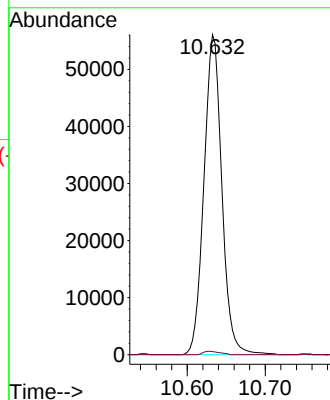
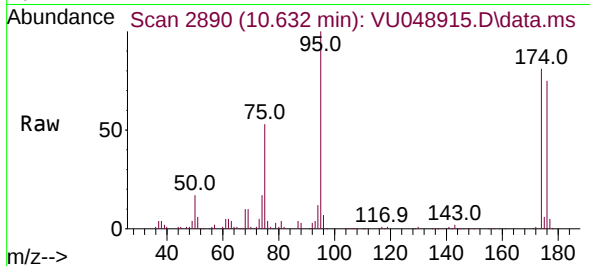




#76
1,2,3-Trichloropropane
Concen: 17.542 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

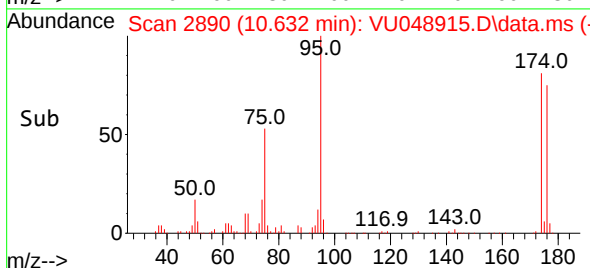
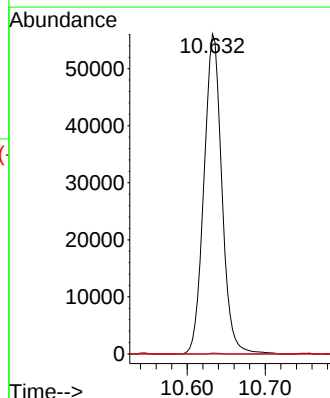
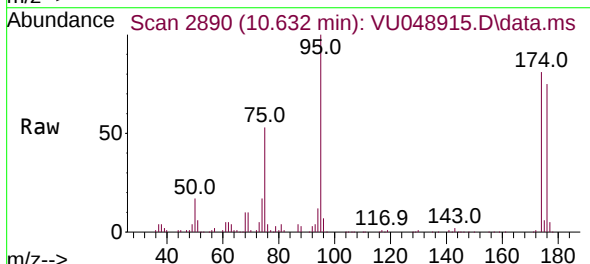
Instrument :
MSVOA_U
ClientSampleId :
12S-20220601

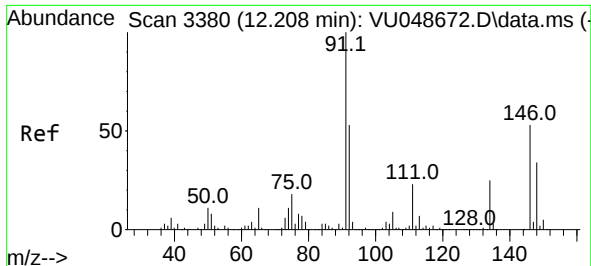
Tgt Ion: 75 Resp: 89493
Ion Ratio Lower Upper
75 100
77 1.0 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.694 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048915.D
Acq: 07 Jun 2022 17:23

Tgt Ion: 75 Resp: 89493
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#89

n-Butylbenzene

Concen: 2.190 ug/l

RT: 12.224 min Scan# 31

Delta R.T. 0.016 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

Instrument :

MSVOA_U

ClientSampleId :

12S-20220601

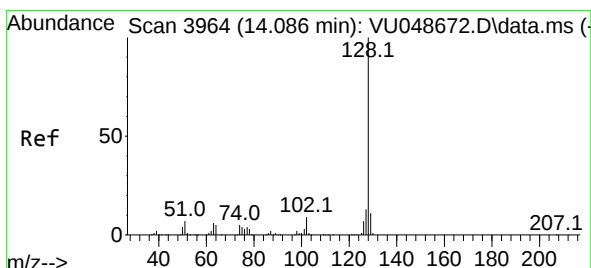
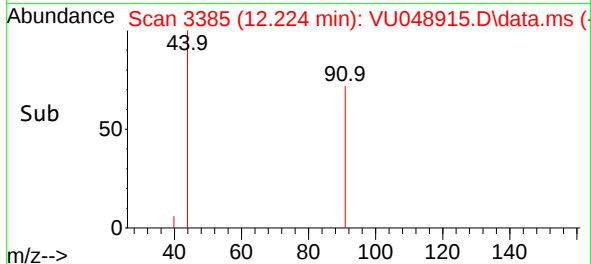
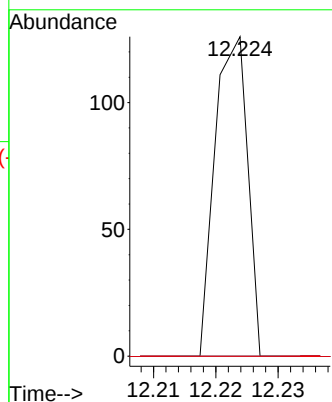
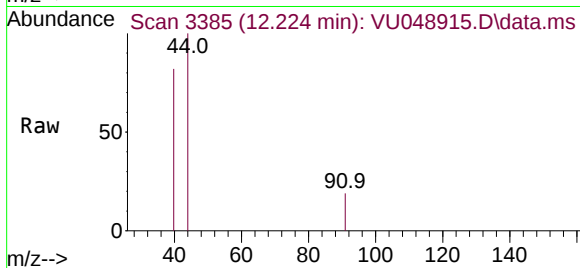
Tgt Ion: 91 Resp: 46

Ion Ratio Lower Upper

91 100

92 0.0 25.9 77.8#

134 0.0 12.5 37.5#



#95

Naphthalene

Concen: 2.560 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

Lab File: VU048915.D

Acq: 07 Jun 2022 17:23

Tgt Ion: 128 Resp: 356

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

