

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048920.D
 Acq On : 07 Jun 2022 19:22
 Operator : SY/MD
 Sample : N3166-02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 51BR-20220601

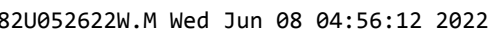
Quant Time: Jun 08 04:56:03 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U052622W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 27 06:42:31 2022
 Response via : Initial Calibration

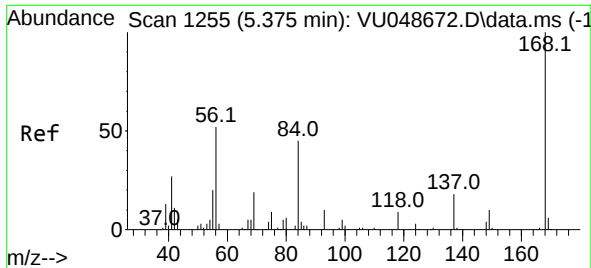
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.372	168	245781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	400932	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	370979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	161749	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	185014	50.124	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	100.240%
35) Dibromofluoromethane	5.288	113	140798	49.224	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.440%
50) Toluene-d8	7.899	98	480404	46.854	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	93.700%
62) 4-Bromofluorobenzene	10.632	95	170766	44.038	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	88.080%
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	729	0.201	ug/l	89
5) Bromomethane	1.806	94	61	Below Cal	#	3
6) Chloroethane	1.938	64	131	Below Cal	#	43
11) Tert butyl alcohol	3.192	59	884	0.945	ug/l #	28
13) Acrolein	2.475	56	67	Below Cal	#	14
14) Allyl chloride	2.764	41	3950	0.815	ug/l #	60
16) Acetone	2.629	43	5692	3.026	ug/l	100
25) 2-Butanone	4.716	43	4080	1.510	ug/l	94
27) cis-1,2-Dichloroethene	4.668	96	891	0.269	ug/l	87
29) Tetrahydrofuran	5.067	42	2051	1.205	ug/l #	85
31) Cyclohexane	5.372	56	5362	1.153	ug/l #	1
36) 1,1-Dichloropropene	5.369	75	20181	4.834	ug/l #	50
37) Ethyl Acetate	4.803	43	70625	13.382	ug/l	100
38) Carbon Tetrachloride	5.372	117	25295	5.281	ug/l #	17
41) Methacrylonitrile	5.067	41	1565	0.587	ug/l #	32
74) N-amyl acetate	10.272	43	41	2.474	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	90505	17.354	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	90505	63.011	ug/l #	13
95) Naphthalene	14.108	128	756	2.589	ug/l #	69

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

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QLast Update : Fri May 27 06:42:31 2022
Response via : Initial Calibration

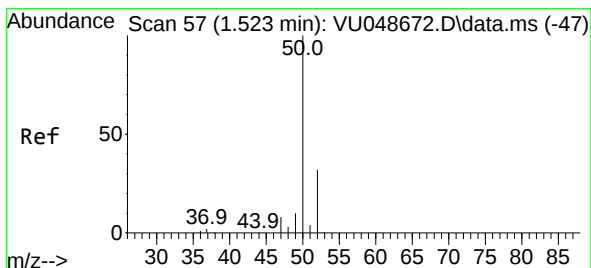
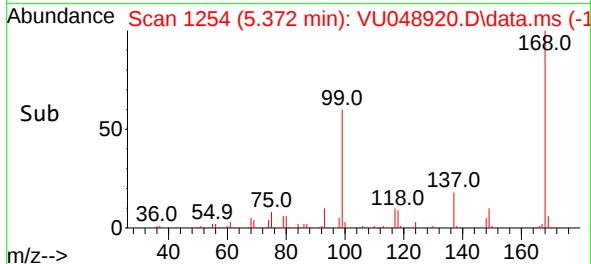
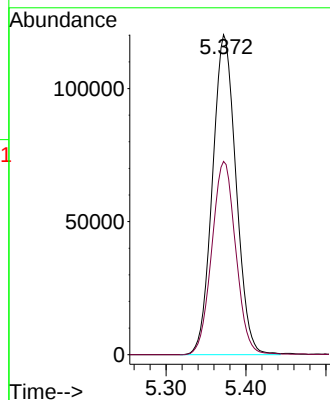
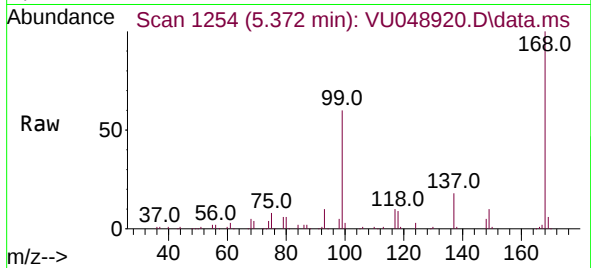




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

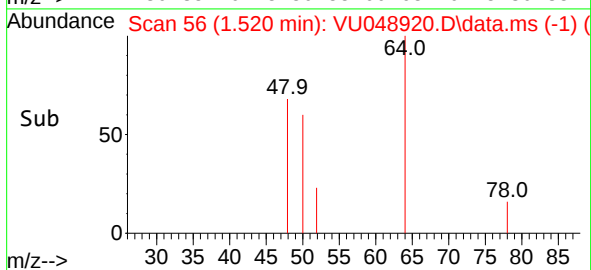
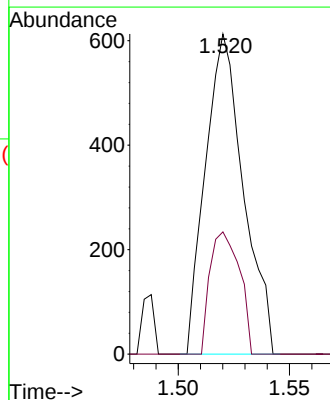
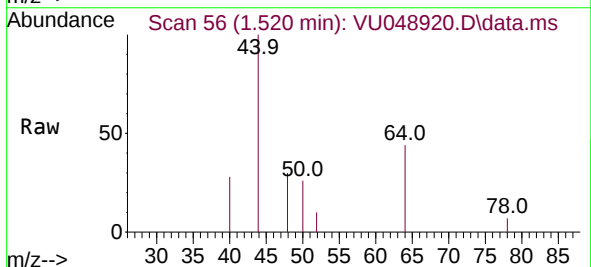
Instrument :
MSVOA_U
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51BR-20220601

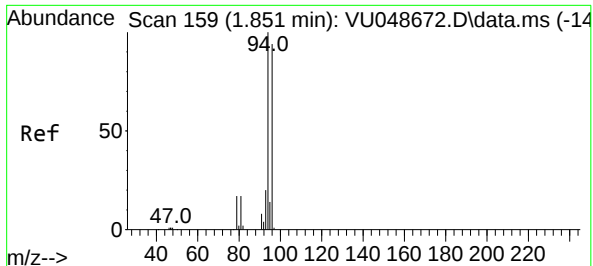
Tgt Ion:168 Resp: 245781
Ion Ratio Lower Upper
168 100
99 60.4 49.3 73.9



#3
Chloromethane
Concen: 0.201 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 50 Resp: 729
Ion Ratio Lower Upper
50 100
52 38.2 25.7 38.5

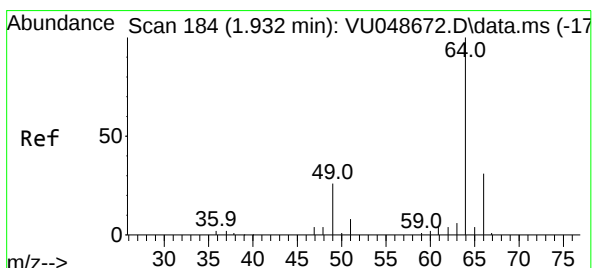
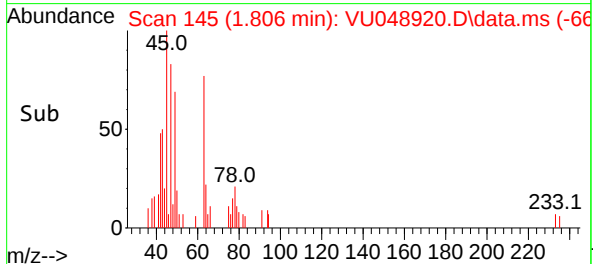
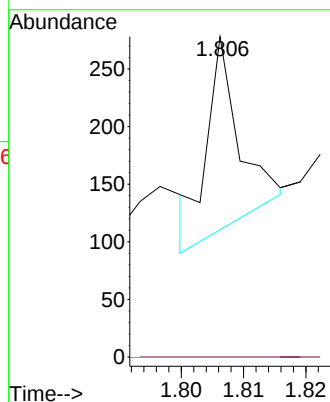
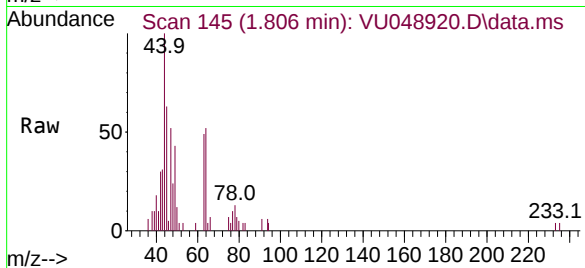




#5
Bromomethane
Concen: Below Cal
RT: 1.806 min Scan# 145
Delta R.T. -0.045 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

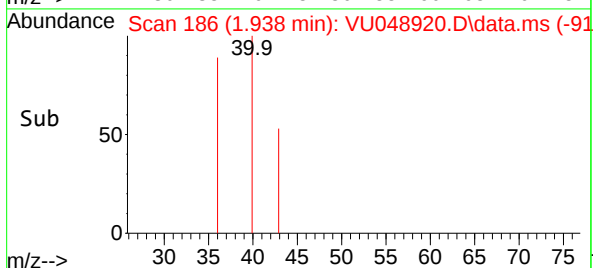
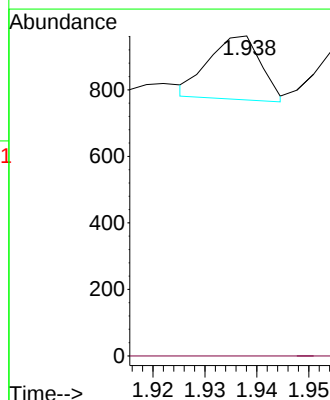
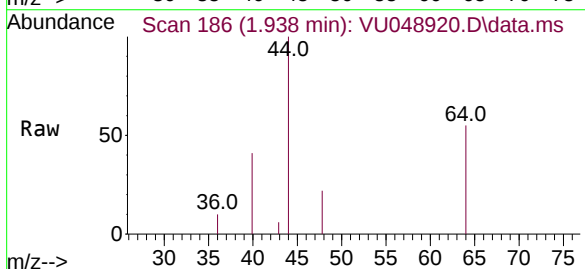
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

Tgt Ion: 94 Resp: 61
Ion Ratio Lower Upper
94 100
96 0.0 75.1 112.7#



#6
Chloroethane
Concen: Below Cal
RT: 1.938 min Scan# 186
Delta R.T. 0.006 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 64 Resp: 131
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#

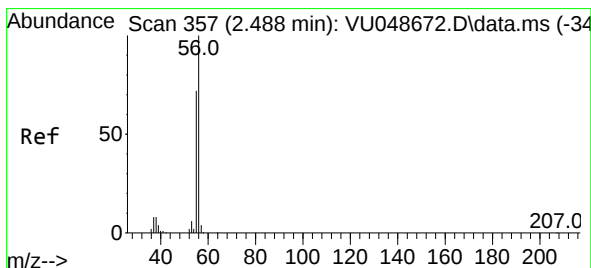
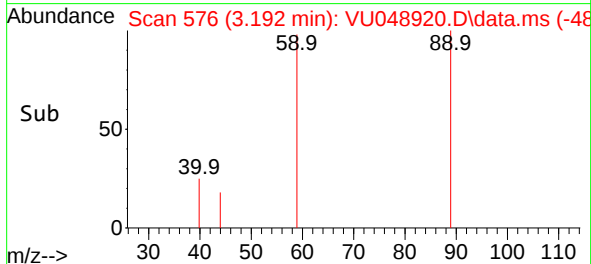
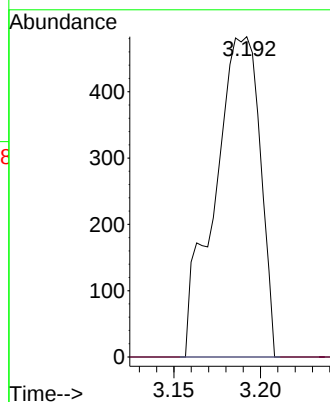
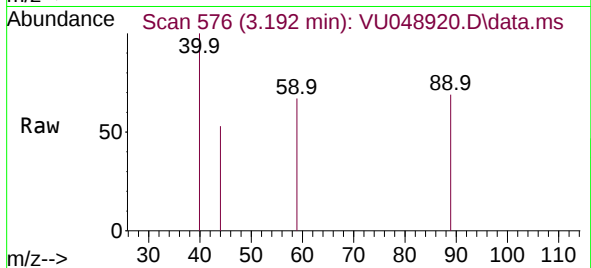




#11
Tert butyl alcohol
Concen: 0.945 ug/l
RT: 3.192 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

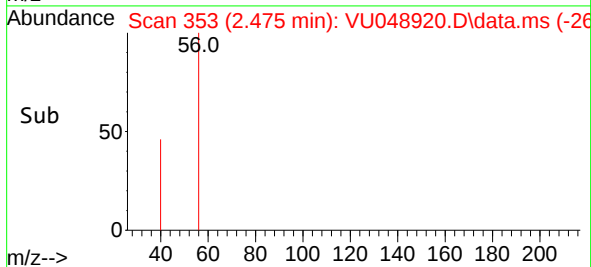
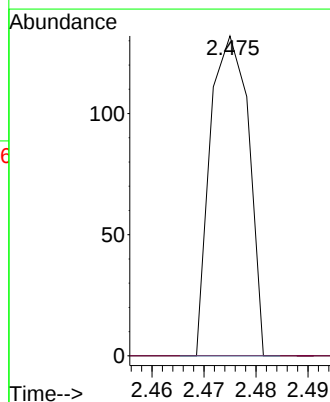
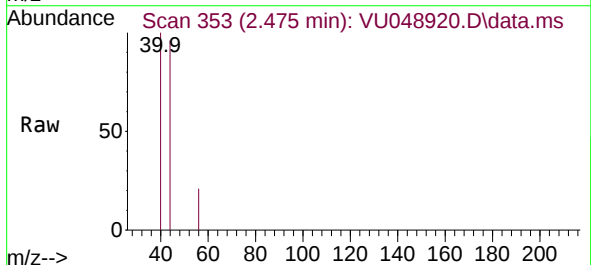
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ClientSampleId :
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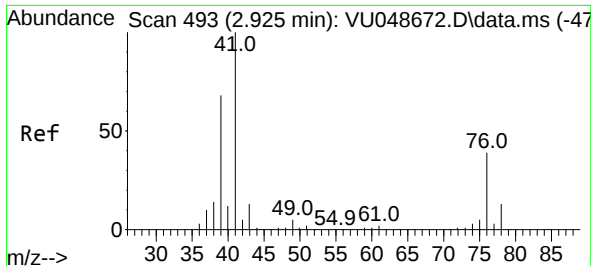
Tgt Ion: 59 Resp: 884
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.475 min Scan# 353
Delta R.T. -0.013 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#

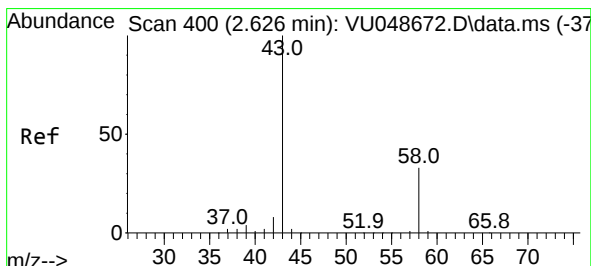
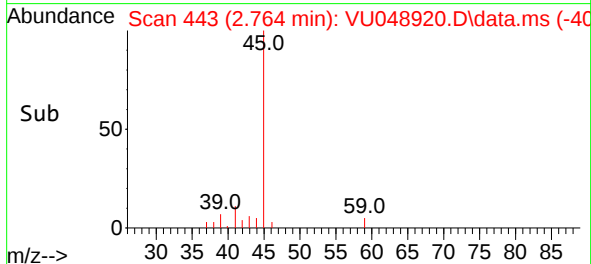
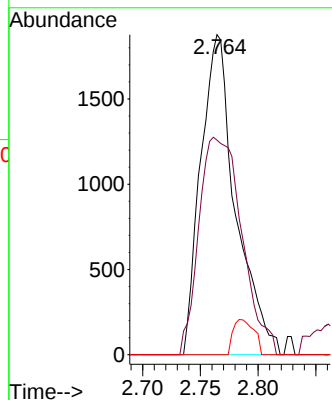
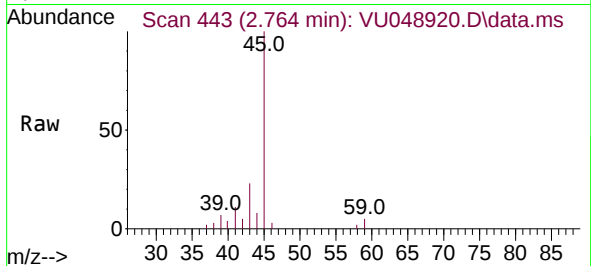




#14
 Allyl chloride
 Concen: 0.815 ug/l
 RT: 2.764 min Scan# 41
 Delta R.T. -0.161 min
 Lab File: VU048920.D
 Acq: 07 Jun 2022 19:22

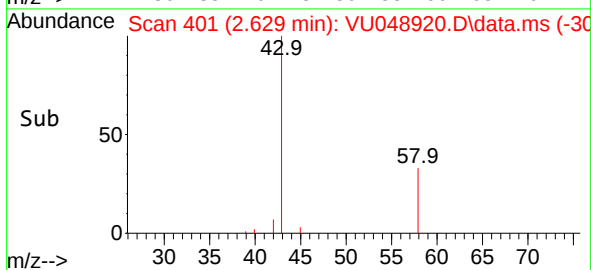
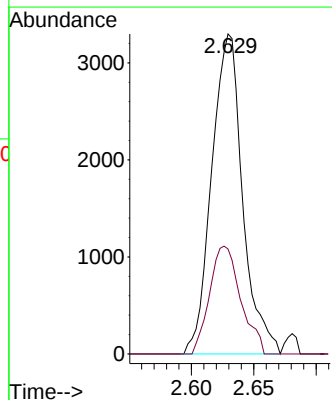
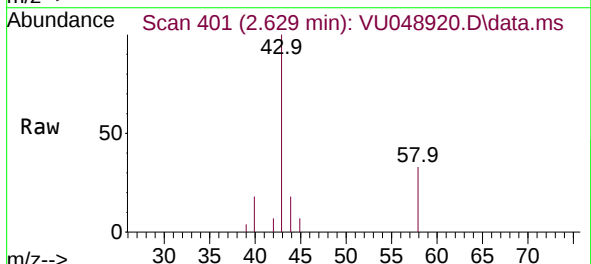
Instrument :
 MSVOA_U
 ClientSampleId :
 51BR-20220601

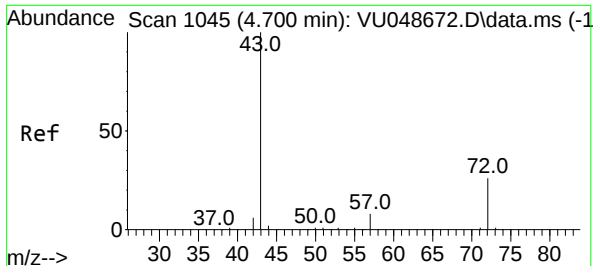
Tgt Ion: 41 Resp: 3950
 Ion Ratio Lower Upper
 41 100
 39 83.4 48.6 72.8#
 76 0.0 27.0 40.4#



#16
 Acetone
 Concen: 3.026 ug/l
 RT: 2.629 min Scan# 401
 Delta R.T. 0.003 min
 Lab File: VU048920.D
 Acq: 07 Jun 2022 19:22

Tgt Ion: 43 Resp: 5692
 Ion Ratio Lower Upper
 43 100
 58 32.8 26.3 39.5

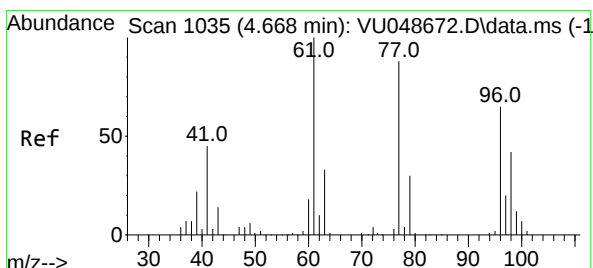
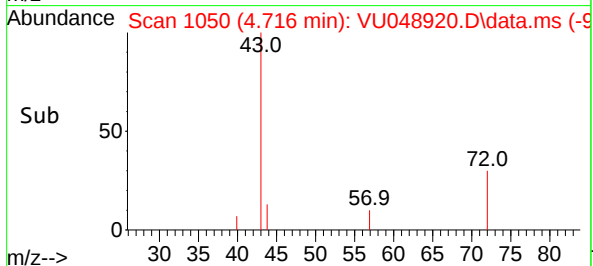
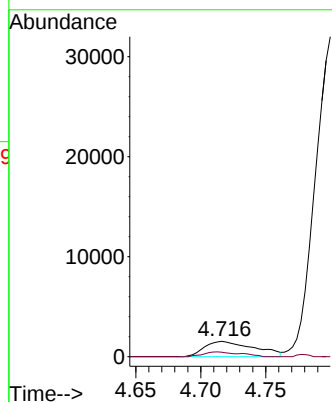
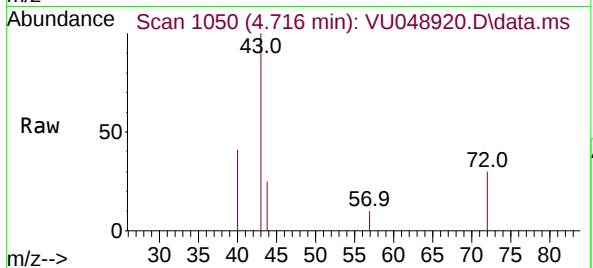




#25
2-Butanone
Concen: 1.510 ug/l
RT: 4.716 min Scan# 1050
Delta R.T. 0.016 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

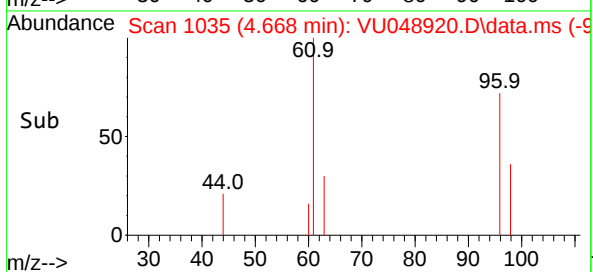
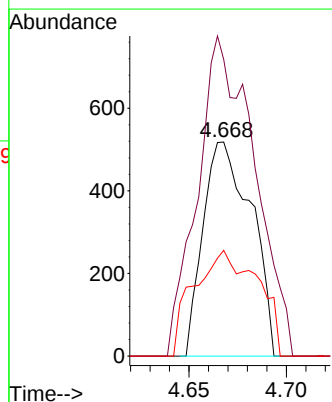
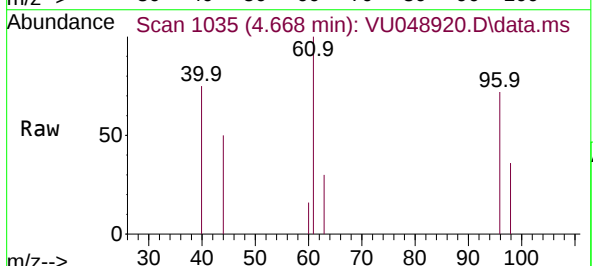
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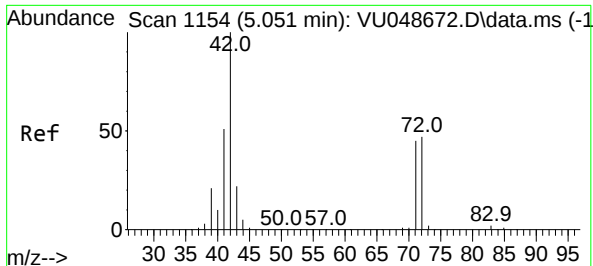
Tgt Ion: 43 Resp: 4080
Ion Ratio Lower Upper
43 100
72 29.6 21.1 31.7



#27
cis-1,2-Dichloroethene
Concen: 0.269 ug/l
RT: 4.668 min Scan# 1035
Delta R.T. -0.000 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 96 Resp: 891
Ion Ratio Lower Upper
96 100
61 176.4 0.0 306.2
98 65.5 0.0 130.4





#29

Tetrahydrofuran

Concen: 1.205 ug/l

RT: 5.067 min Scan# 1159

Delta R.T. 0.016 min

Lab File: VU048920.D

Acq: 07 Jun 2022 19:22

Instrument :

MSVOA_U

ClientSampleId :

51BR-20220601

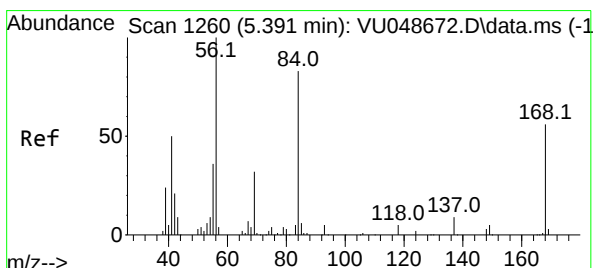
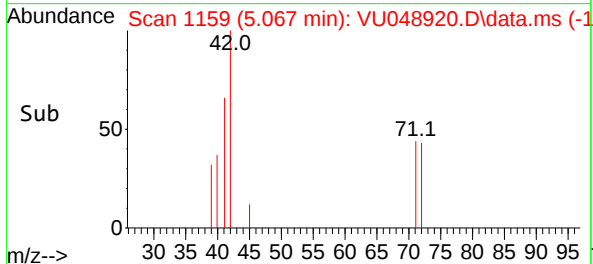
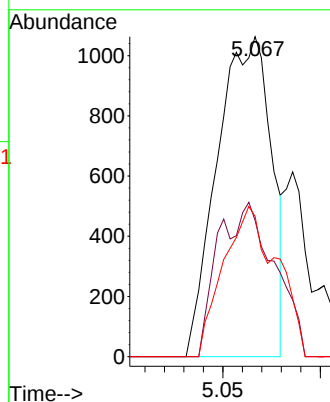
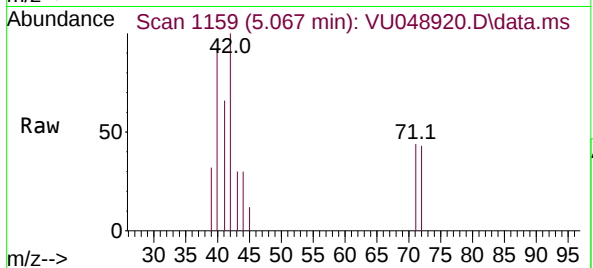
Tgt Ion: 42 Resp: 2051

Ion Ratio Lower Upper

42 100

72 30.7 37.6 56.4#

71 46.3 35.0 52.4



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU048920.D

Acq: 07 Jun 2022 19:22

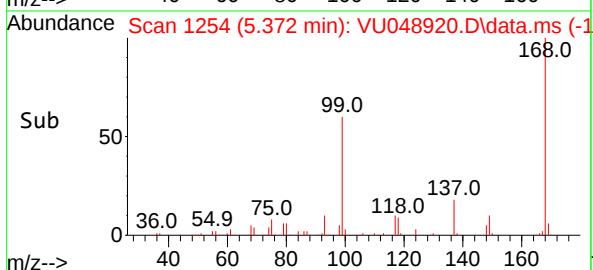
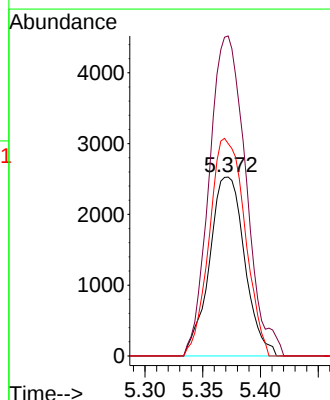
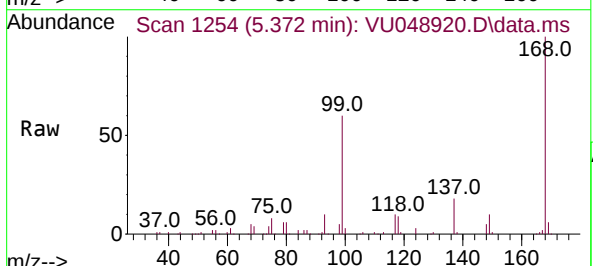
Tgt Ion: 56 Resp: 5362

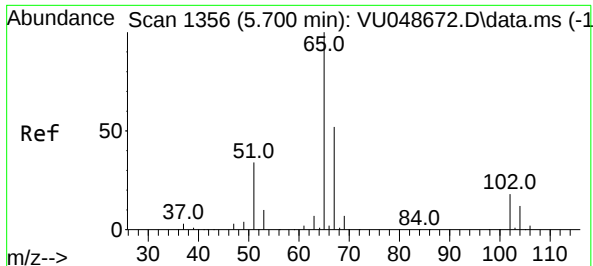
Ion Ratio Lower Upper

56 100

69 178.8 25.6 38.4#

84 118.6 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.124 ug/l

RT: 5.700 min Scan# 11

Delta R.T. -0.000 min

Lab File: VU048920.D

Acq: 07 Jun 2022 19:22

Instrument :

MSVOA_U

ClientSampleId :

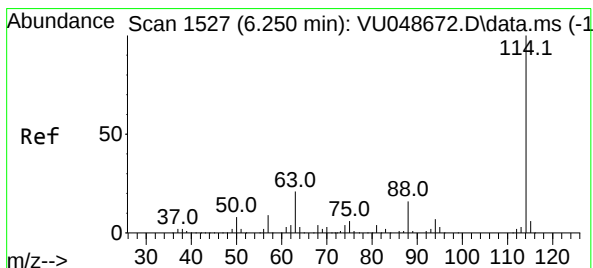
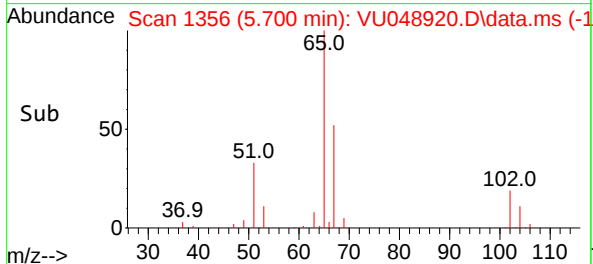
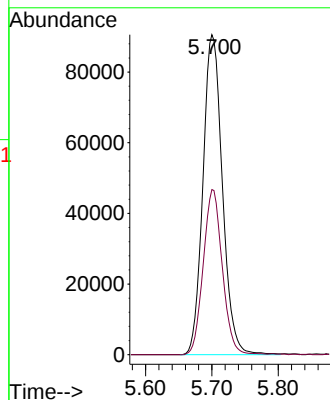
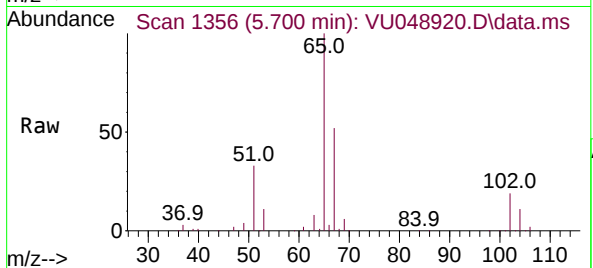
51BR-20220601

Tgt Ion: 65 Resp: 185014

Ion Ratio Lower Upper

65 100

67 50.4 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: VU048920.D

Acq: 07 Jun 2022 19:22

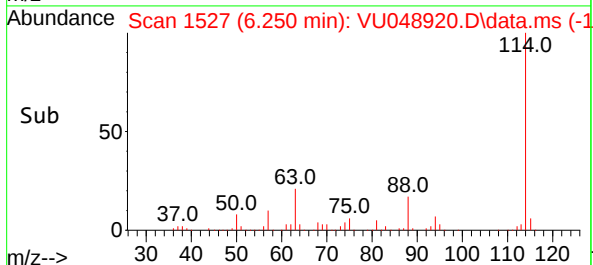
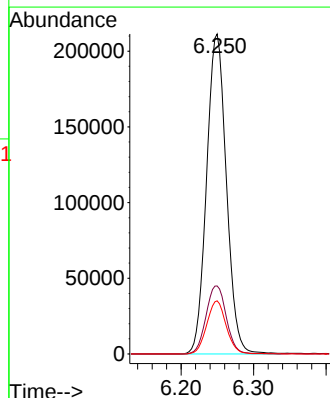
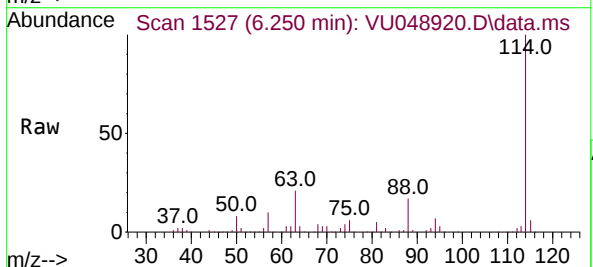
Tgt Ion: 114 Resp: 400932

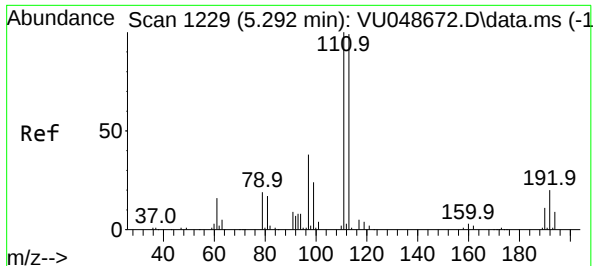
Ion Ratio Lower Upper

114 100

63 21.2 0.0 42.6

88 16.6 0.0 32.2

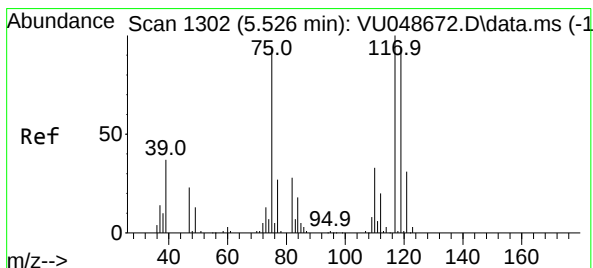
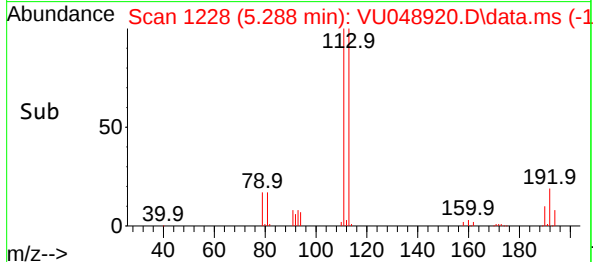
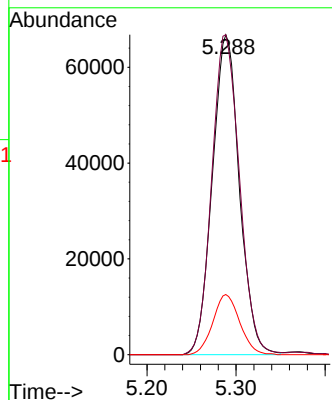
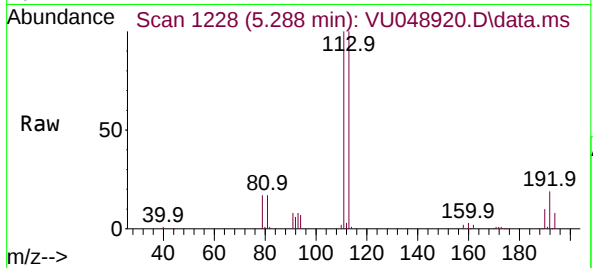




#35
Dibromofluoromethane
Concen: 49.224 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

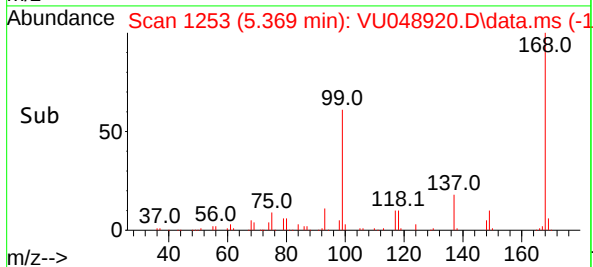
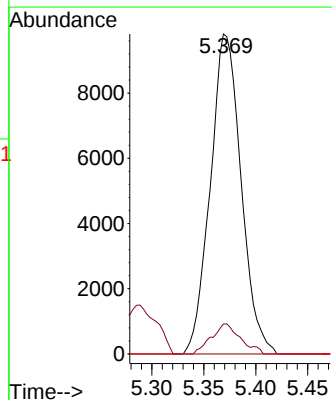
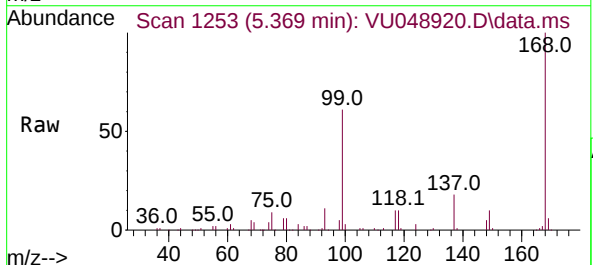
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

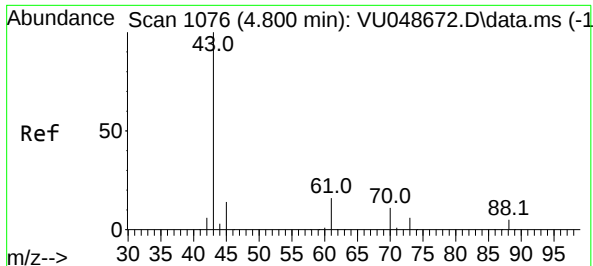
Tgt Ion:113 Resp: 140798
Ion Ratio Lower Upper
113 100
111 102.3 80.7 121.1
192 18.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.834 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 75 Resp: 20181
Ion Ratio Lower Upper
75 100
110 8.9 17.4 52.3#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 13.382 ug/l

RT: 4.803 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU048920.D

Acq: 07 Jun 2022 19:22

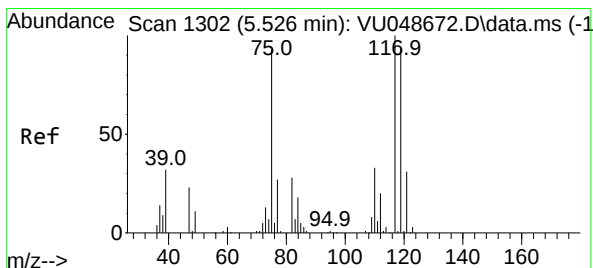
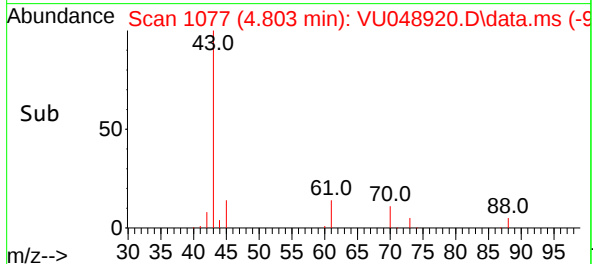
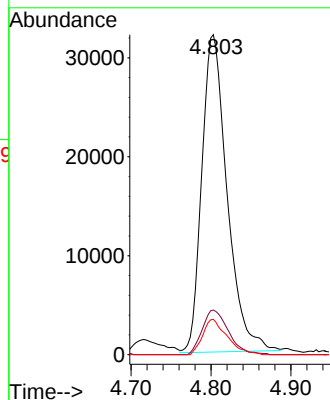
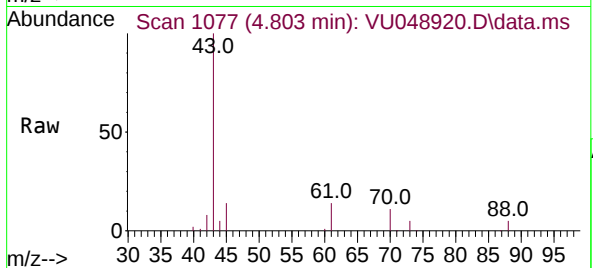
Instrument :

MSVOA_U

ClientSampleId :

51BR-20220601

Tgt Ion: 43	Resp: 70625
Ion Ratio	Lower Upper
43 100	
61 14.6	11.7 17.5
70 10.8	8.4 12.6



#38

Carbon Tetrachloride

Concen: 5.281 ug/l

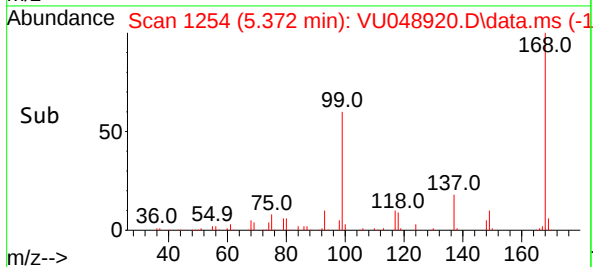
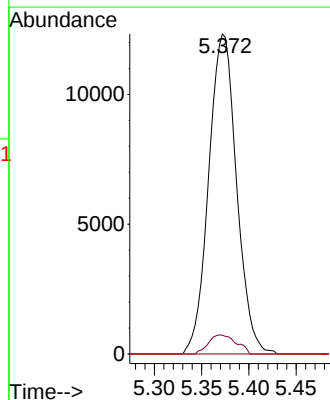
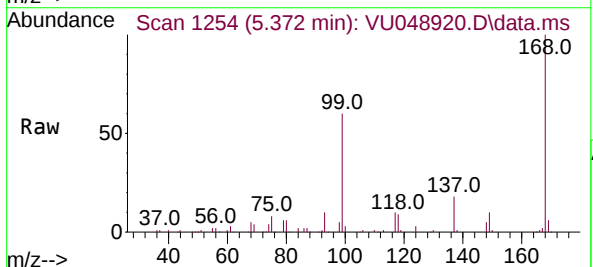
RT: 5.372 min Scan# 1254

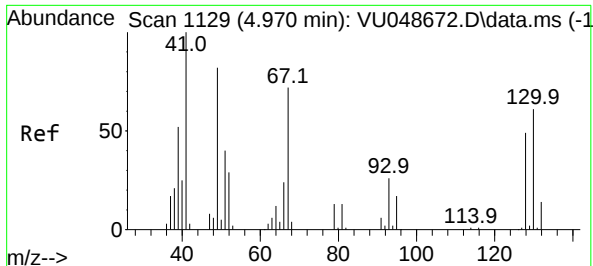
Delta R.T. -0.154 min

Lab File: VU048920.D

Acq: 07 Jun 2022 19:22

Tgt Ion: 117	Resp: 25295
Ion Ratio	Lower Upper
117 100	
119 5.8	75.4 113.2#
121 0.0	24.6 36.8#

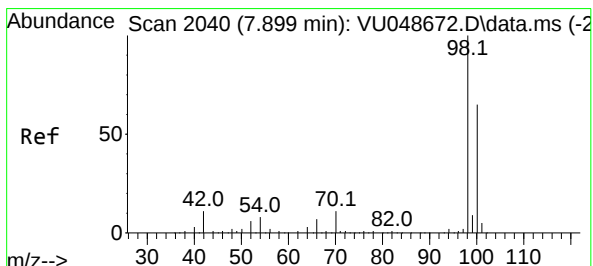
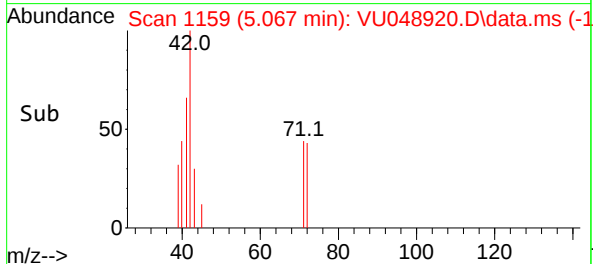
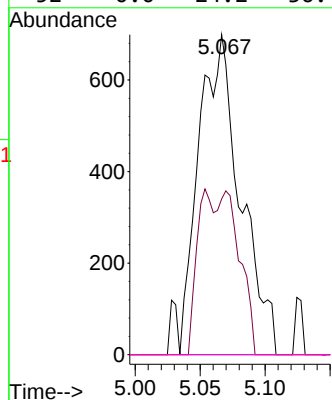
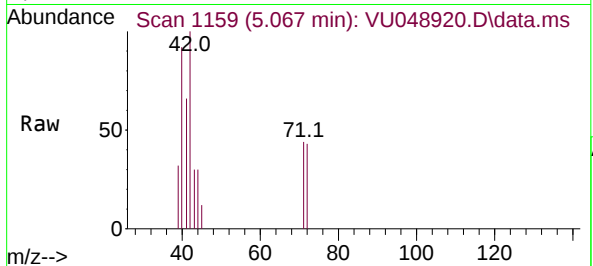




#41
Methacrylonitrile
Concen: 0.587 ug/l
RT: 5.067 min Scan# 1129
Delta R.T. 0.096 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

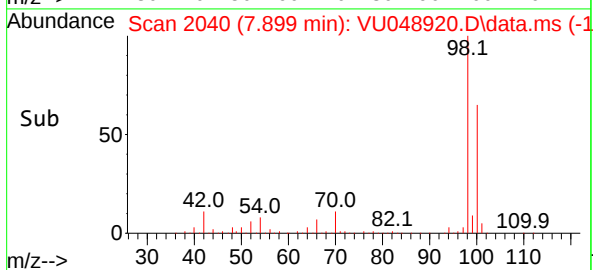
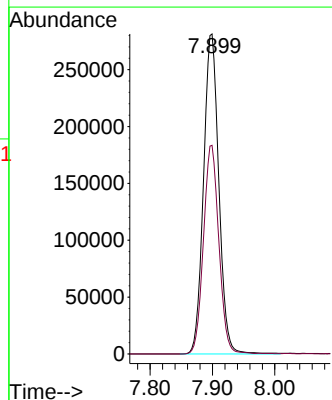
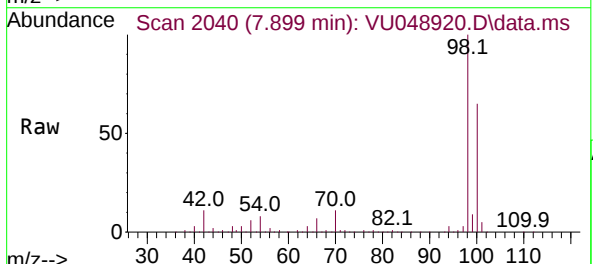
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

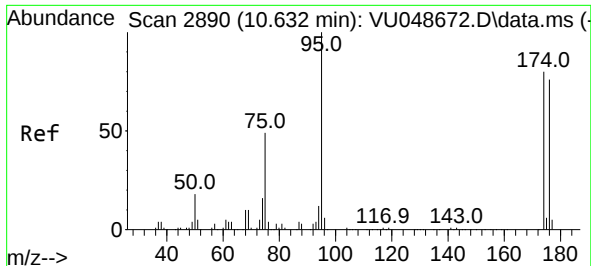
Tgt Ion: 41	Resp: 1565
Ion Ratio	Lower Upper
41 100	
39 21.0	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#50
Toluene-d8
Concen: 46.854 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 98	Resp: 480404
Ion Ratio	Lower Upper
98 100	
100 65.5	52.2 78.4

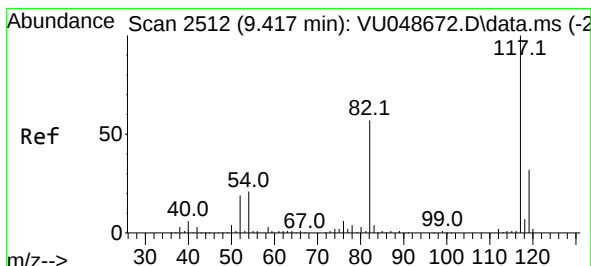
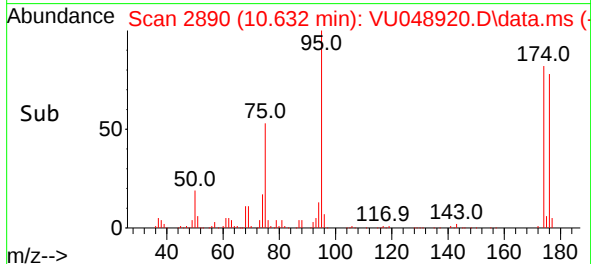
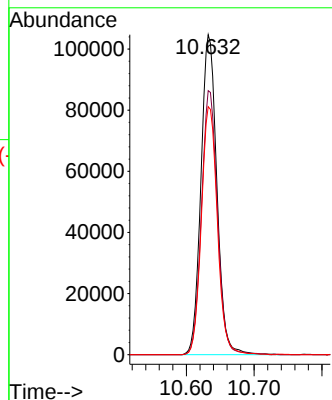
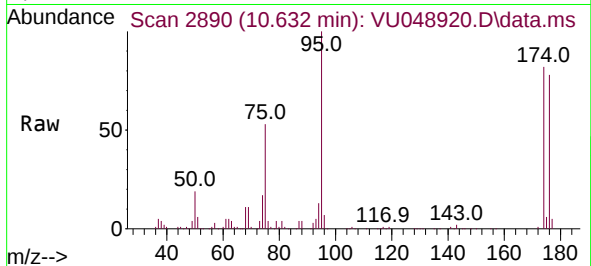




#62
4-Bromofluorobenzene
Concen: 44.038 ug/l
RT: 10.632 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

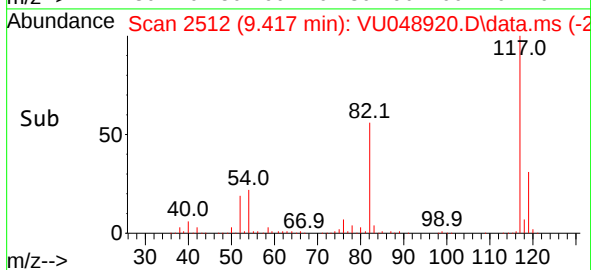
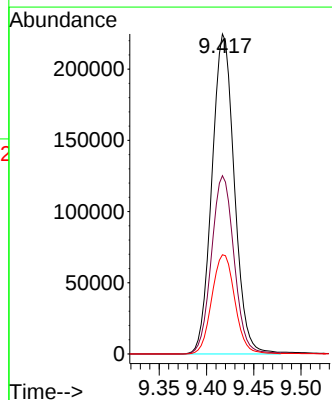
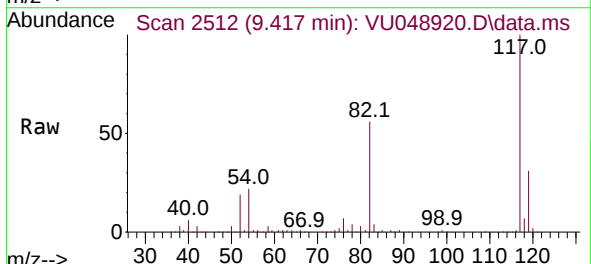
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

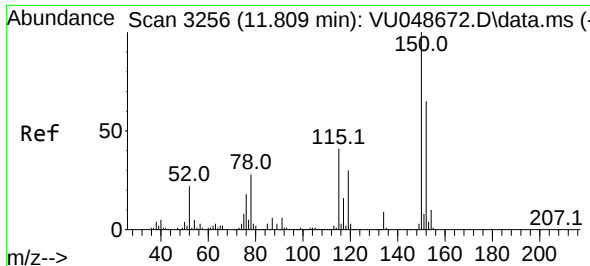
Tgt Ion: 95 Resp: 170766
Ion Ratio Lower Upper
95 100
174 82.9 0.0 159.4
176 78.0 0.0 152.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 2512
Delta R.T. -0.000 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 117 Resp: 370979
Ion Ratio Lower Upper
117 100
82 55.7 45.3 67.9
119 31.0 25.4 38.2

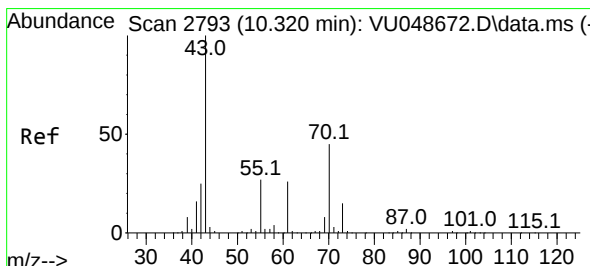
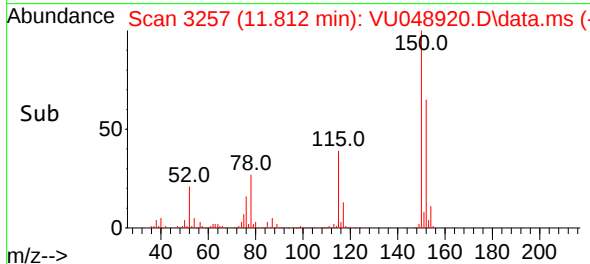
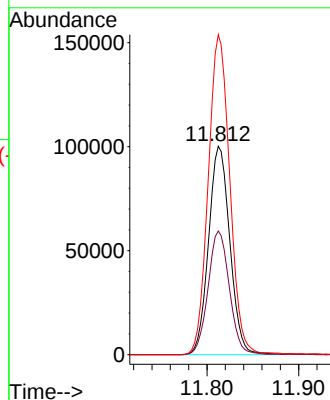
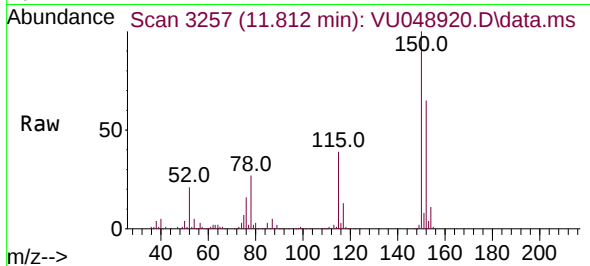




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 31
Delta R.T. 0.003 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

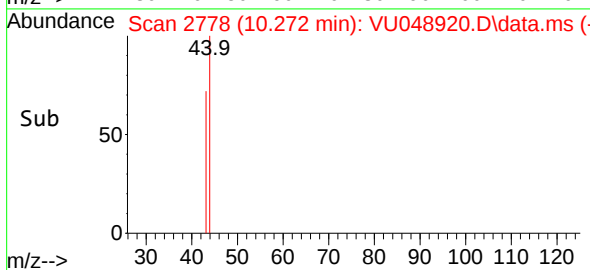
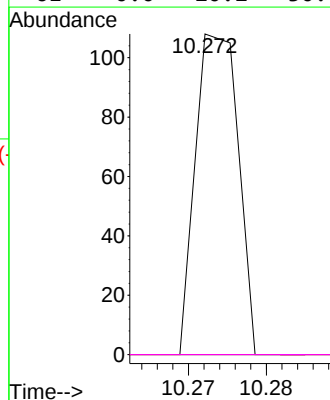
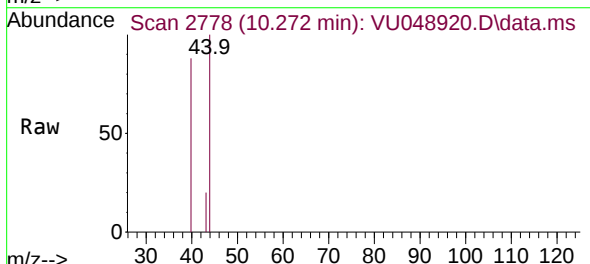
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

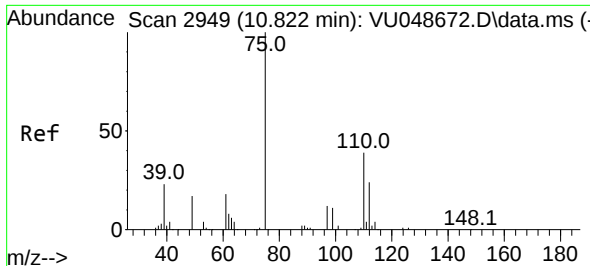
Tgt Ion:152 Resp: 161749
Ion Ratio Lower Upper
152 100
115 59.2 41.8 125.4
150 155.6 0.0 341.0



#74
N-ethyl acetate
Concen: 2.474 ug/l
RT: 10.272 min Scan# 2778
Delta R.T. -0.048 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 43 Resp: 41
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#

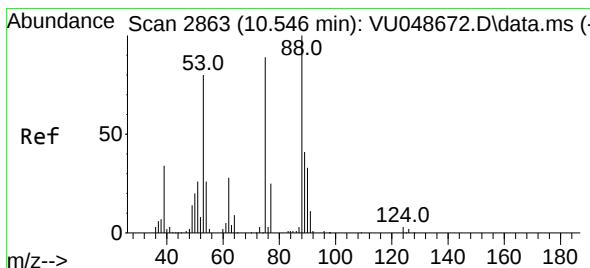
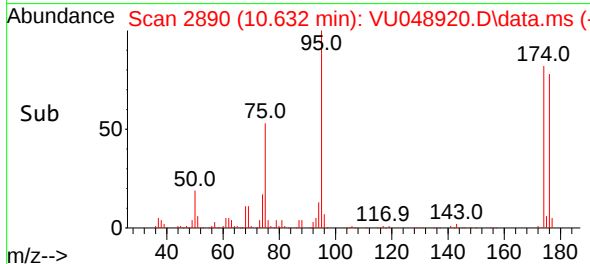
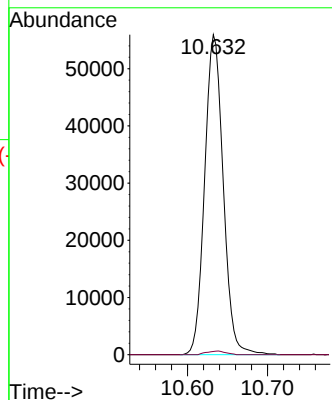
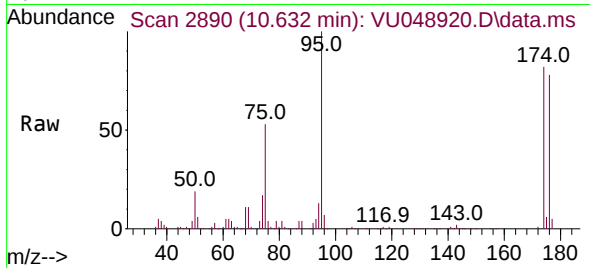




#76
1,2,3-Trichloropropane
Concen: 17.354 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

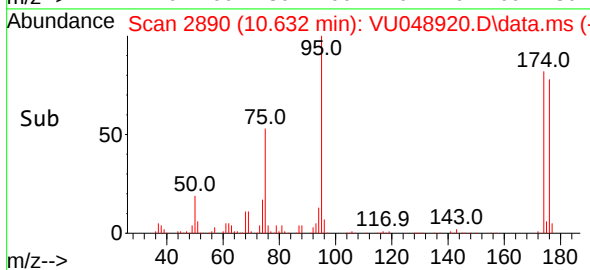
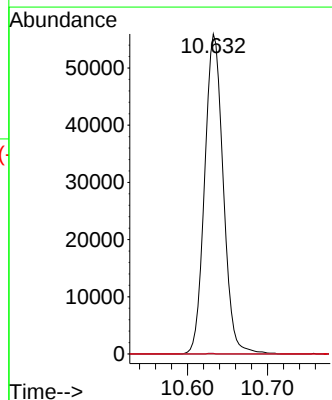
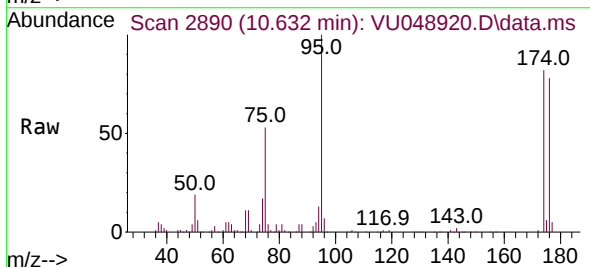
Instrument :
MSVOA_U
ClientSampleId :
51BR-20220601

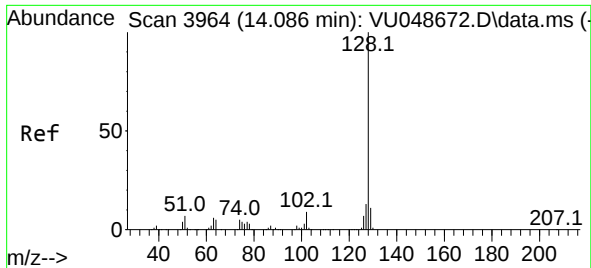
Tgt Ion: 75 Resp: 90505
Ion Ratio Lower Upper
75 100
77 1.2 14.8 44.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 63.011 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.087 min
Lab File: VU048920.D
Acq: 07 Jun 2022 19:22

Tgt Ion: 75 Resp: 90505
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#





#95

Naphthalene

Concen: 2.589 ug/l

RT: 14.108 min Scan# 3964

Delta R.T. 0.022 min

Lab File: VU048920.D

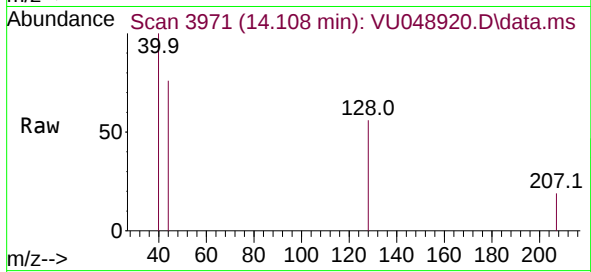
Acq: 07 Jun 2022 19:22

Instrument :

MSVOA_U

ClientSampleId :

51BR-20220601



Tgt Ion:128 Resp: 756

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.4#

129 0.0 8.7 13.1#

