

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060722\
 Data File : VU048936.D
 Acq On : 08 Jun 2022 02:14
 Operator : SY/MD
 Sample : N3166-09
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 40 Sample Multiplier: 1

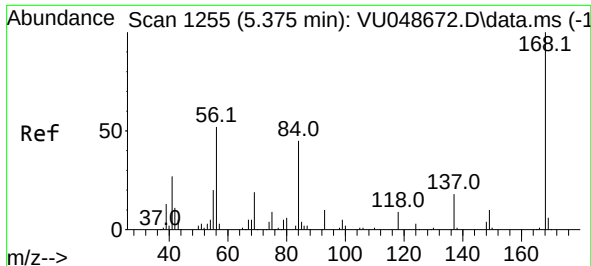
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP06-20220531

Quant Time: Jun 08 09:15:21 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	247688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	404040	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	376578	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	170240	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	188781	50.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.500%			
35) Dibromofluoromethane	5.288	113	142085	49.292	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	7.896	98	502613	48.643	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.280%			
62) 4-Bromofluorobenzene	10.632	95	183414	46.936	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 93.880%			
Target Compounds						Qvalue
3) Chloromethane	1.530	50	993	0.272	ug/l #	84
4) Vinyl Chloride	1.601	62	696	0.206	ug/l #	1
5) Bromomethane	1.832	94	309	Below Cal	#	71
6) Chloroethane	1.961	64	393	Below Cal	#	43
10) Methyl Iodide	2.726	142	95	3.027	ug/l #	37
11) Tert butyl alcohol	3.176	59	905	0.960	ug/l #	28
13) Acrolein	2.491	56	24	Below Cal	#	14
14) Allyl chloride	2.768	41	1273	0.261	ug/l #	86
16) Acetone	2.626	43	5953	3.140	ug/l	97
25) 2-Butanone	4.803	43	109504	40.209	ug/l #	49
27) cis-1,2-Dichloroethene	4.665	96	1794	0.537	ug/l	51
29) Tetrahydrofuran	5.057	42	647	0.377	ug/l #	75
31) Cyclohexane	5.366	56	5559	1.186	ug/l #	13
36) 1,1-Dichloropropene	5.369	75	20175	4.796	ug/l #	50
37) Ethyl Acetate	4.803	43	109504	20.590	ug/l	98
38) Carbon Tetrachloride	5.369	117	26156	5.419	ug/l #	18
41) Methacrylonitrile	5.063	41	624	0.232	ug/l #	42
44) Trichloroethene	6.542	130	646	0.202	ug/l	96
74) N-amyl acetate	10.237	43	39	2.474	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	94082	17.140	ug/l #	47
81) trans-1,4-Dichloro-2-b...	10.632	75	94082	62.234	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.468	105	42	1.191	ug/l #	31
89) n-Butylbenzene	12.227	91	110	2.196	ug/l #	34
95) Naphthalene	14.111	128	938	2.599	ug/l #	69

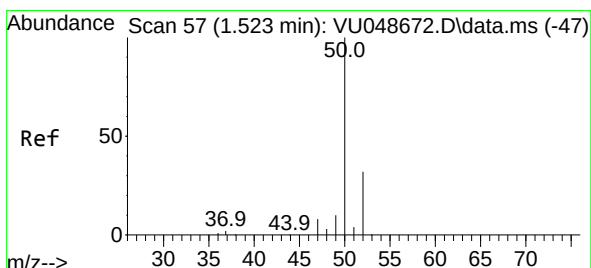
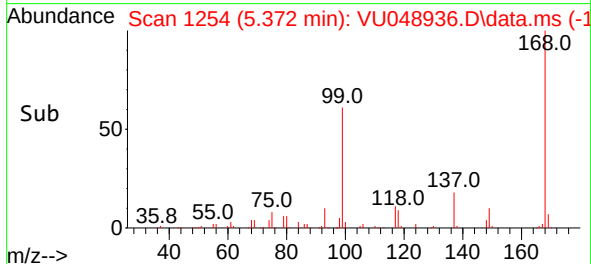
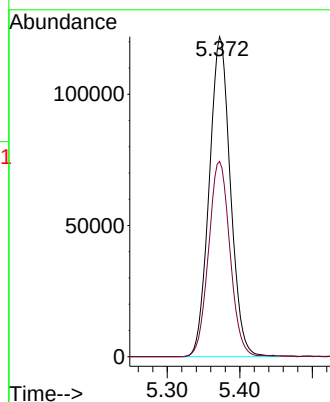
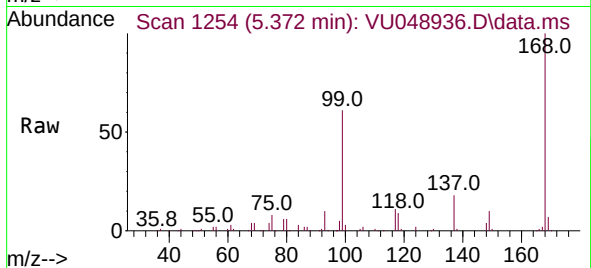
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

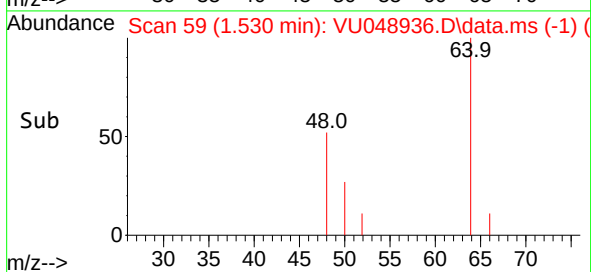
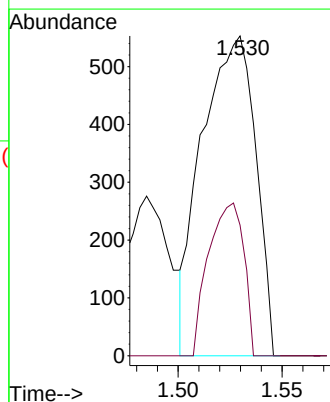
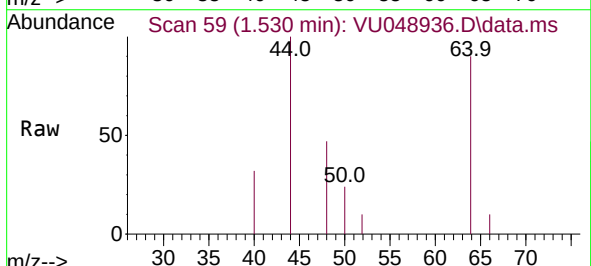
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

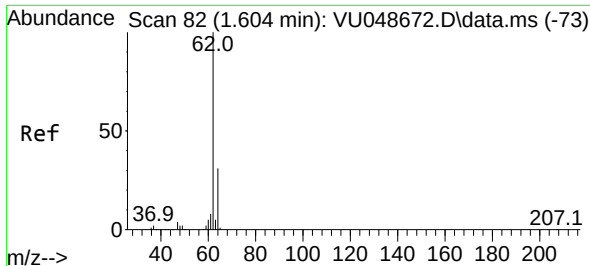
Tgt Ion:168 Resp: 247688
Ion Ratio Lower Upper
168 100
99 61.0 49.3 73.9



#3
Chloromethane
Concen: 0.272 ug/l
RT: 1.530 min Scan# 59
Delta R.T. 0.006 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 50 Resp: 993
Ion Ratio Lower Upper
50 100
52 40.9 25.7 38.5#

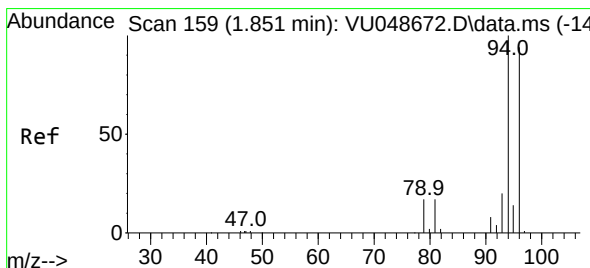
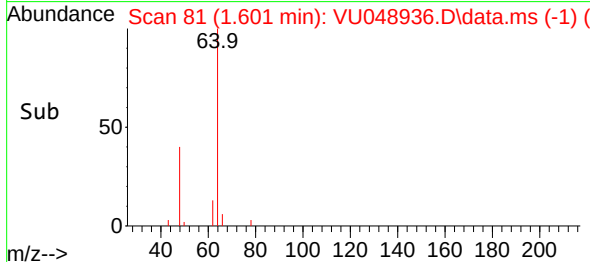
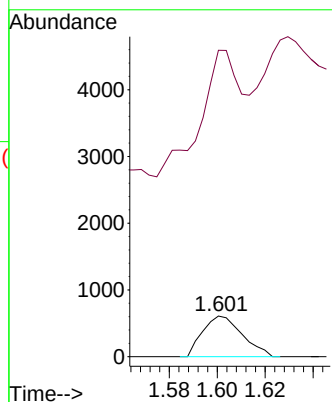
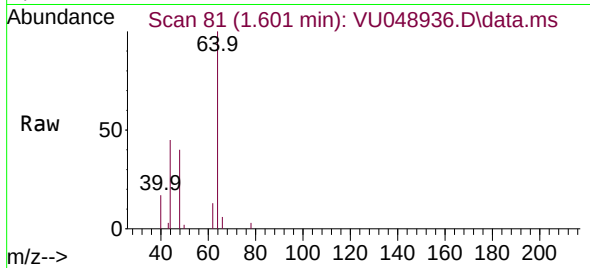




#4
 Vinyl Chloride
 Concen: 0.206 ug/l
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048936.D
 Acq: 08 Jun 2022 02:14

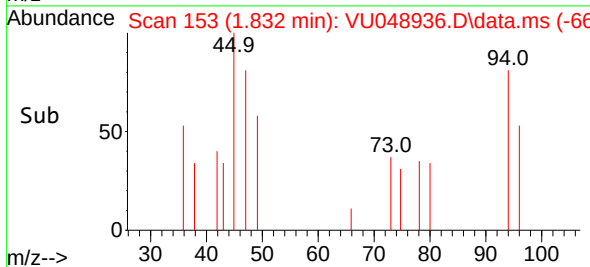
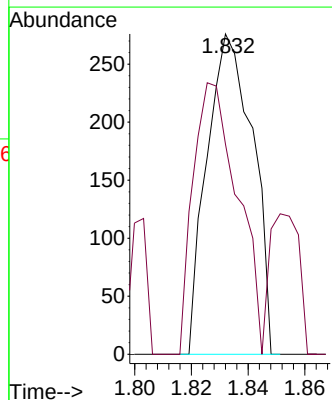
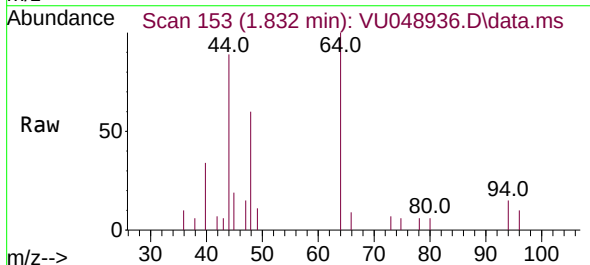
Instrument :
 MSVOA_U
 ClientSampleId :
 DUP06-20220531

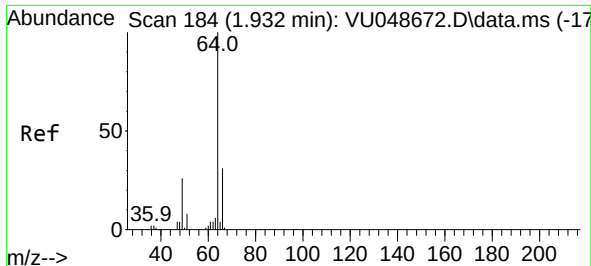
Tgt Ion: 62 Resp: 696
 Ion Ratio Lower Upper
 62 100
 64 245.9 25.2 37.8#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.832 min Scan# 153
 Delta R.T. -0.019 min
 Lab File: VU048936.D
 Acq: 08 Jun 2022 02:14

Tgt Ion: 94 Resp: 309
 Ion Ratio Lower Upper
 94 100
 96 65.6 75.1 112.7#

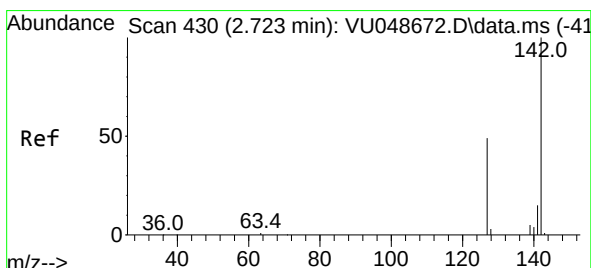
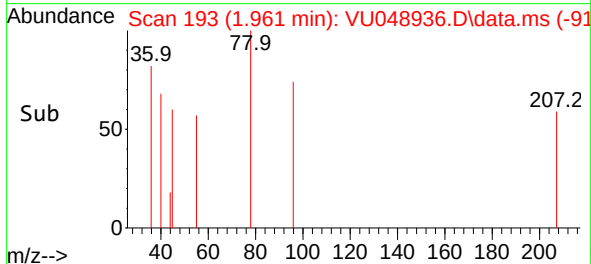
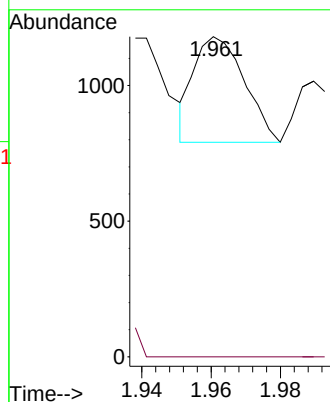
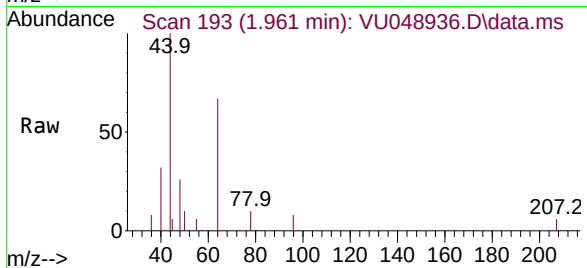




#6
Chloroethane
Concen: Below Cal
RT: 1.961 min Scan# 193
Delta R.T. 0.029 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

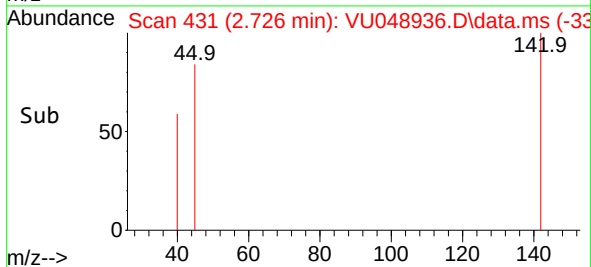
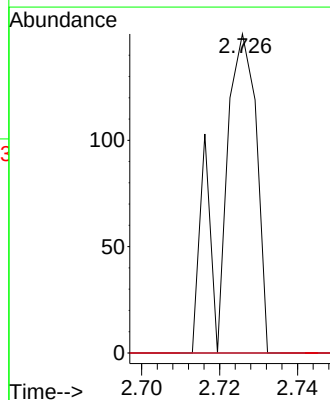
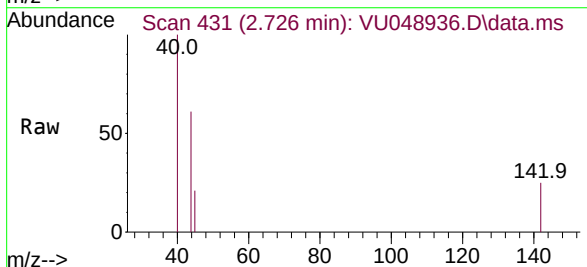
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

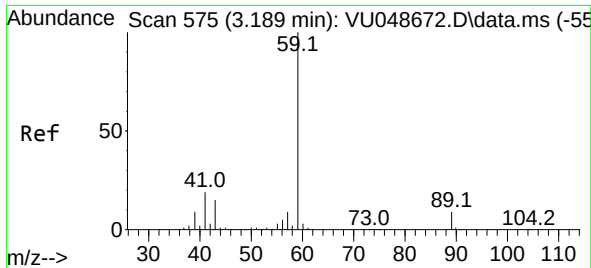
Tgt Ion: 64 Resp: 393
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#10
Methyl Iodide
Concen: 3.027 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion:142 Resp: 95
Ion Ratio Lower Upper
142 100
127 0.0 38.4 57.6#
141 0.0 11.5 17.3#

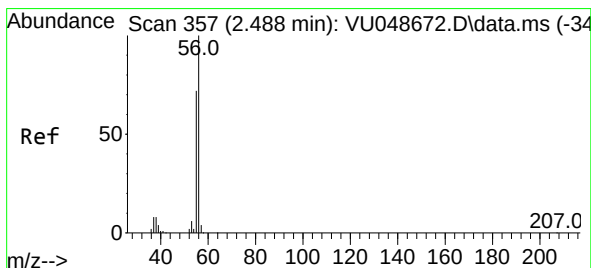
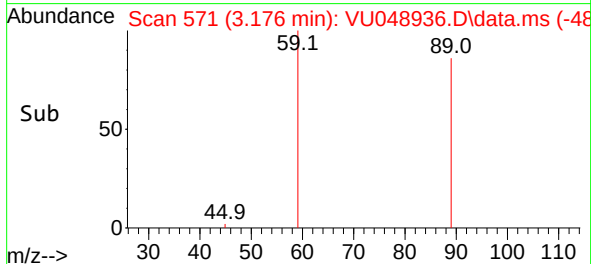
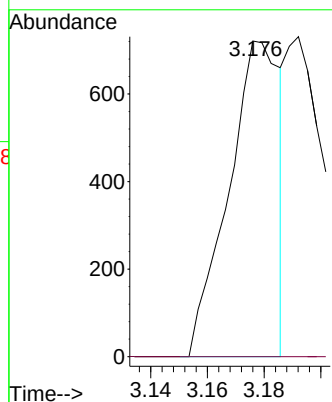
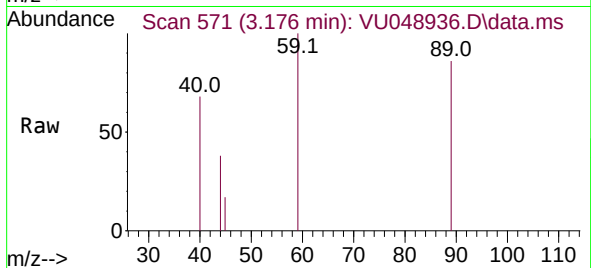




#11
Tert butyl alcohol
Concen: 0.960 ug/l
RT: 3.176 min Scan# 51
Delta R.T. -0.013 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

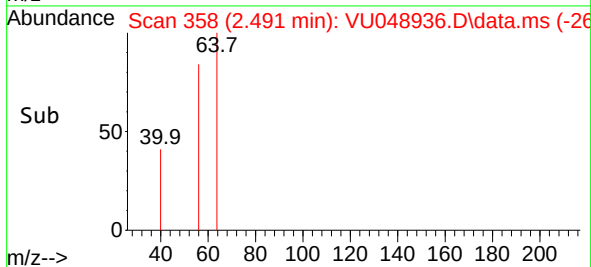
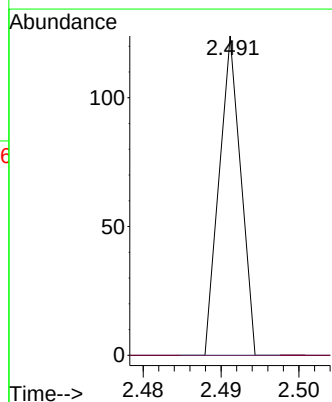
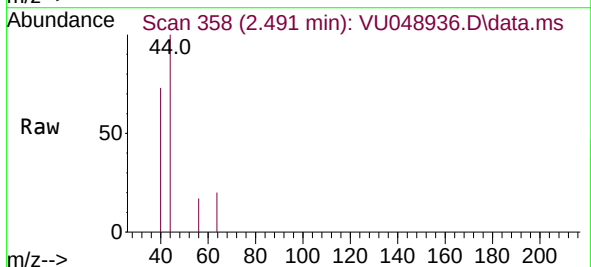
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

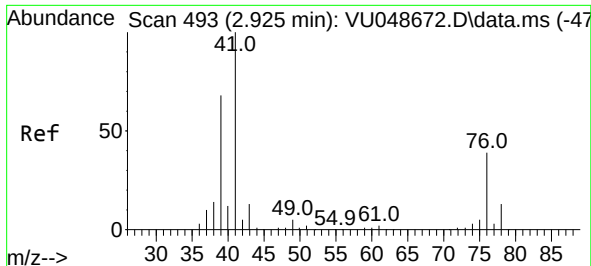
Tgt Ion: 59 Resp: 905
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#



#13
Acrolein
Concen: Below Cal
RT: 2.491 min Scan# 358
Delta R.T. 0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#





#14

Allyl chloride

Concen: 0.261 ug/l

RT: 2.768 min Scan# 41

Delta R.T. -0.158 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

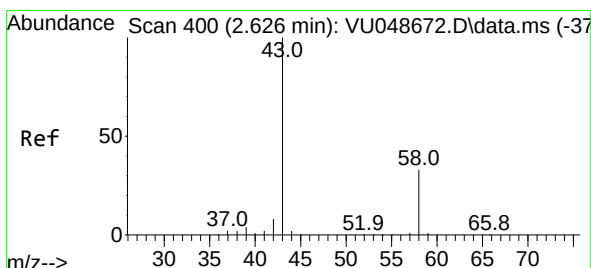
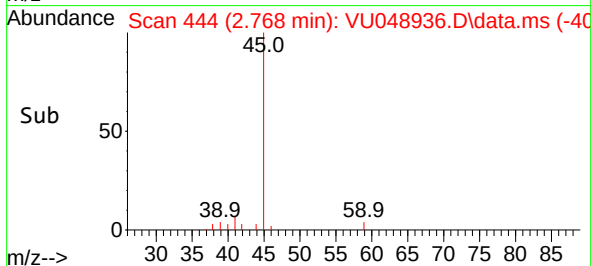
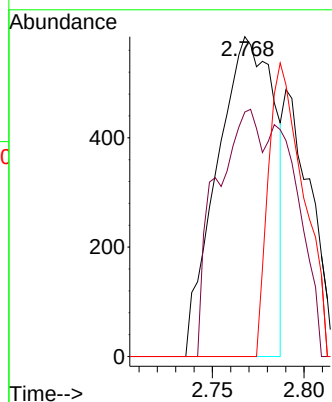
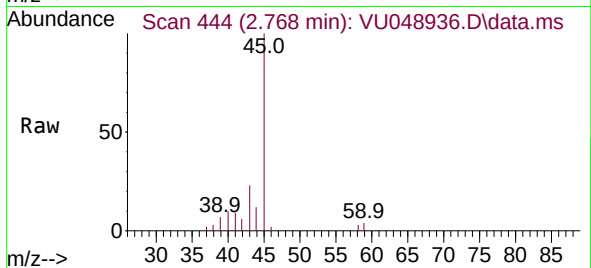
Instrument :

MSVOA_U

ClientSampleId :

DUP06-20220531

Tgt Ion: 41	Resp: 1273
Ion Ratio	Lower Upper
41 100	
39 60.8	48.6 72.8
76 56.1	27.0 40.4#



#16

Acetone

Concen: 3.140 ug/l

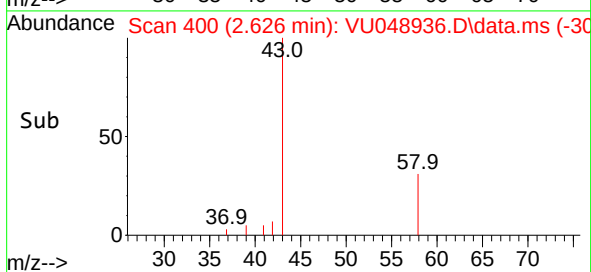
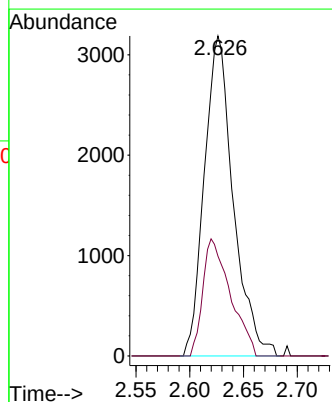
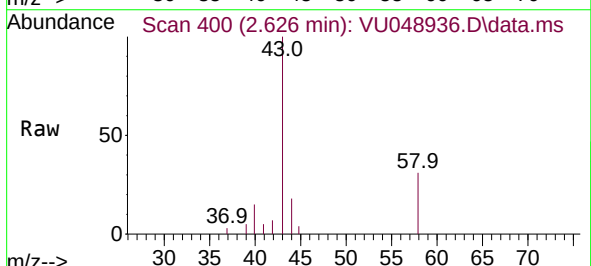
RT: 2.626 min Scan# 400

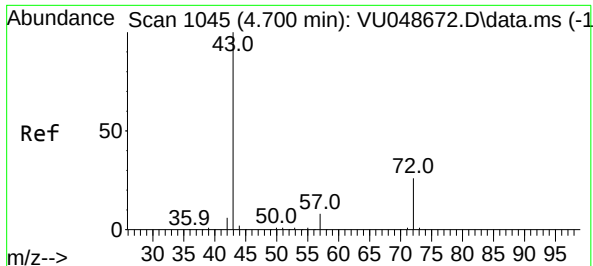
Delta R.T. -0.000 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

Tgt Ion: 43	Resp: 5953
Ion Ratio	Lower Upper
43 100	
58 31.2	26.3 39.5





#25

2-Butanone

Concen: 40.209 ug/l

RT: 4.803 min Scan# 1077

Delta R.T. 0.103 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

Instrument :

MSVOA_U

ClientSampleId :

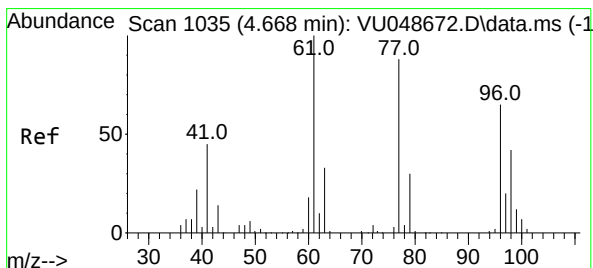
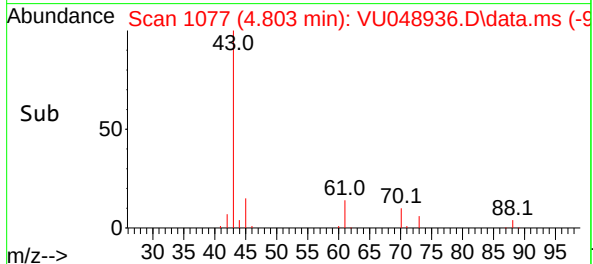
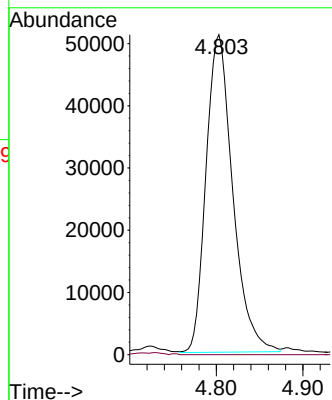
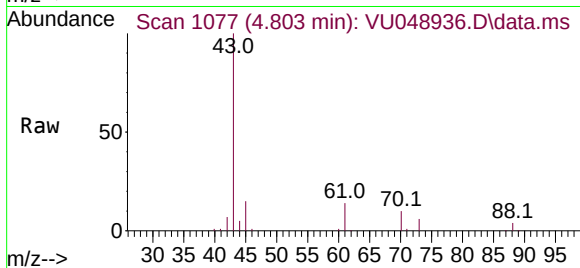
DUP06-20220531

Tgt Ion: 43 Resp: 109504

Ion Ratio Lower Upper

43 100

72 0.0 21.1 31.7#



#27

cis-1,2-Dichloroethene

Concen: 0.537 ug/l

RT: 4.665 min Scan# 1034

Delta R.T. -0.003 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

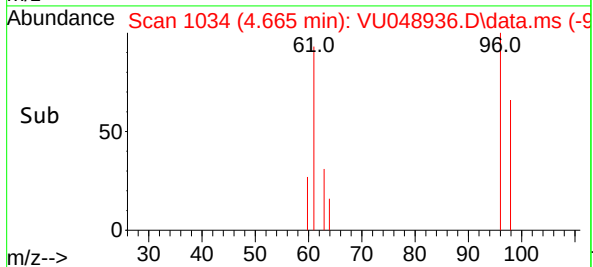
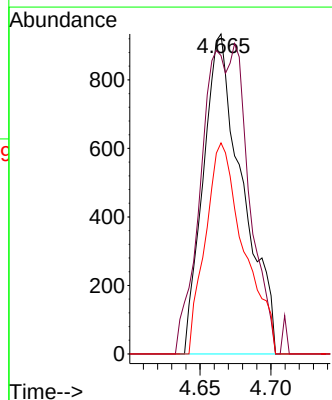
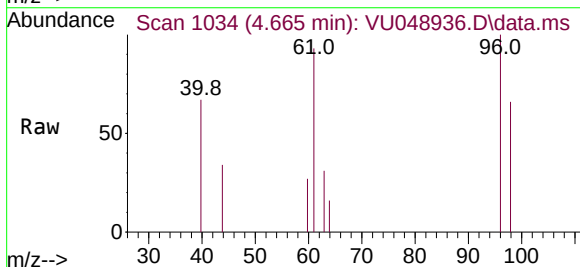
Tgt Ion: 96 Resp: 1794

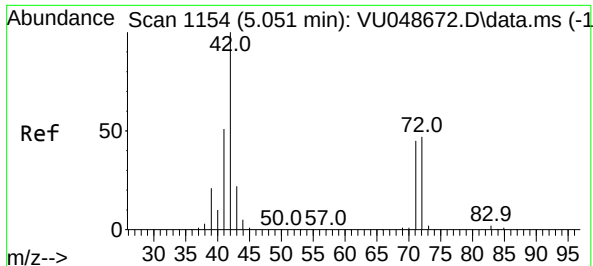
Ion Ratio Lower Upper

96 100

61 63.3 0.0 306.2

98 64.7 0.0 130.4





#29

Tetrahydrofuran

Concen: 0.377 ug/l

RT: 5.057 min Scan# 1154

Delta R.T. 0.006 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

Instrument :

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ClientSampleId :

DUP06-20220531

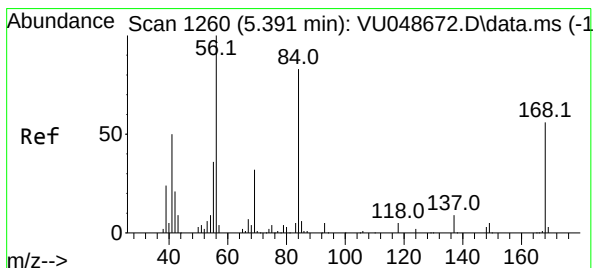
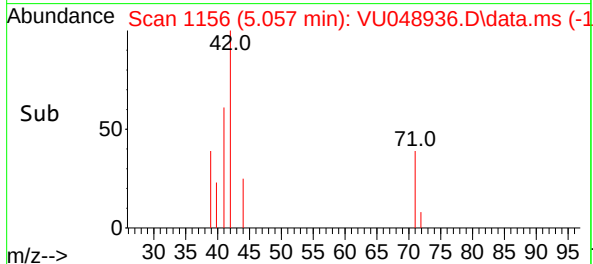
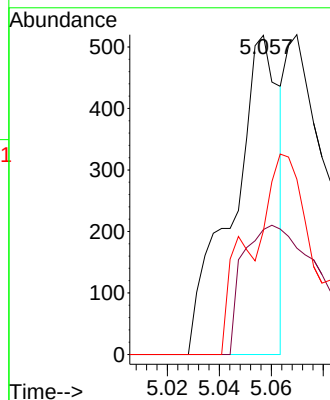
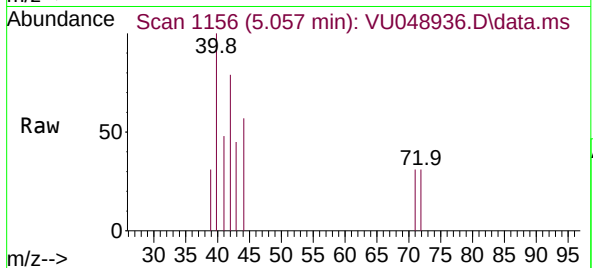
Tgt Ion: 42 Resp: 647

Ion Ratio Lower Upper

42 100

72 60.9 37.6 56.4#

71 63.1 35.0 52.4#



#31

Cyclohexane

Concen: 1.186 ug/l

RT: 5.366 min Scan# 1252

Delta R.T. -0.026 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

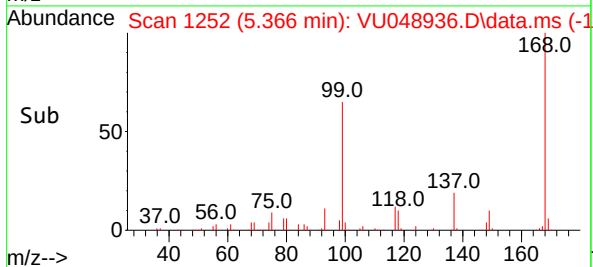
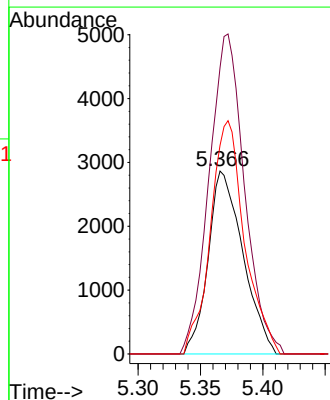
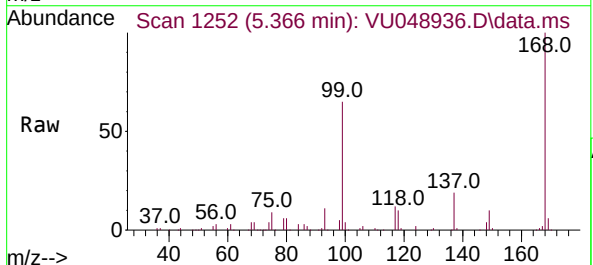
Tgt Ion: 56 Resp: 5559

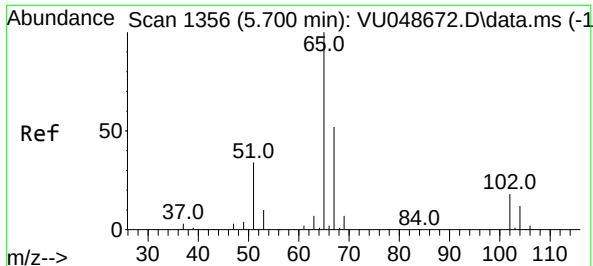
Ion Ratio Lower Upper

56 100

69 156.6 25.6 38.4#

84 114.1 66.2 99.4#





#33

1,2-Dichloroethane-d4

Concen: 50.750 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048936.D

Acq: 08 Jun 2022 02:14

Instrument :

MSVOA_U

ClientSampleId :

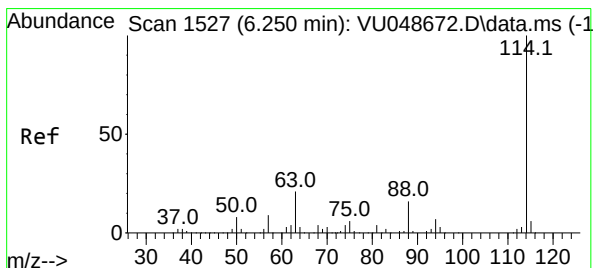
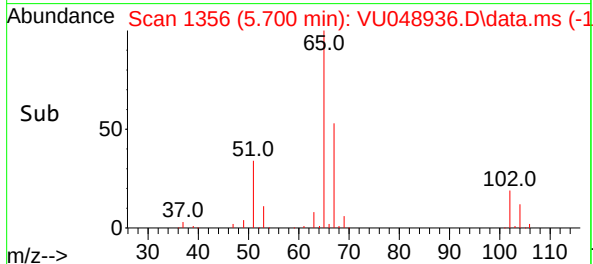
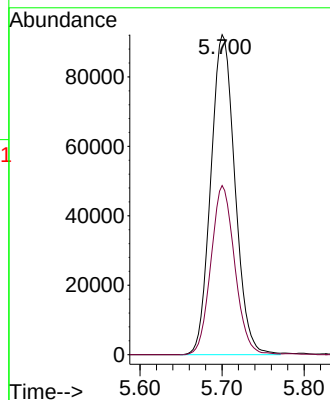
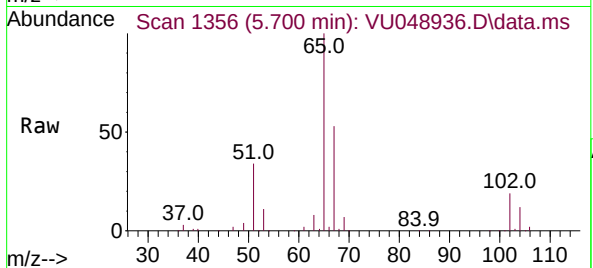
DUP06-20220531

Tgt Ion: 65 Resp: 188781

Ion Ratio Lower Upper

65 100

67 52.1 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: VU048936.D

Acq: 08 Jun 2022 02:14

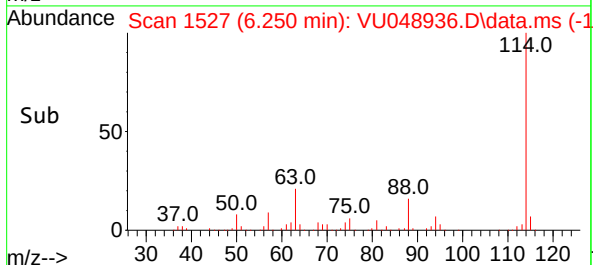
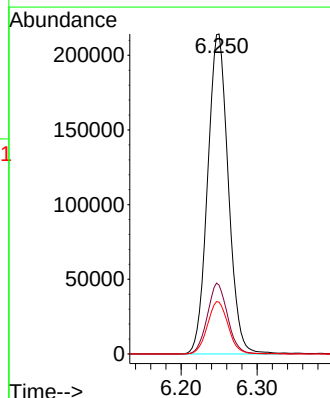
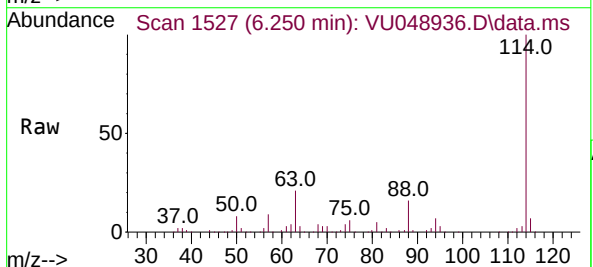
Tgt Ion: 114 Resp: 404040

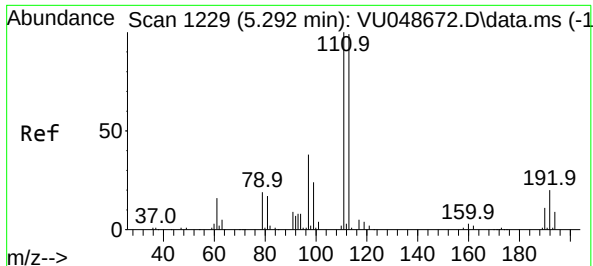
Ion Ratio Lower Upper

114 100

63 21.5 0.0 42.6

88 16.2 0.0 32.2

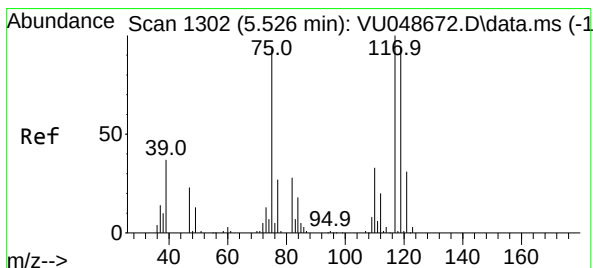
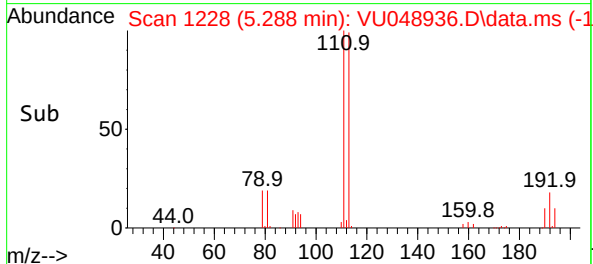
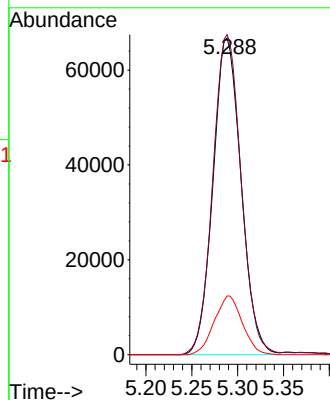
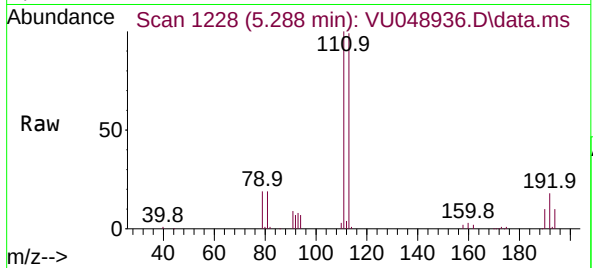




#35
Dibromofluoromethane
Concen: 49.292 ug/l
RT: 5.288 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

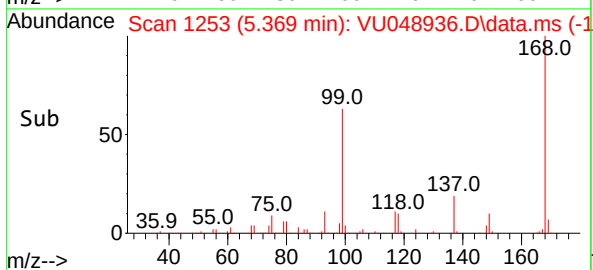
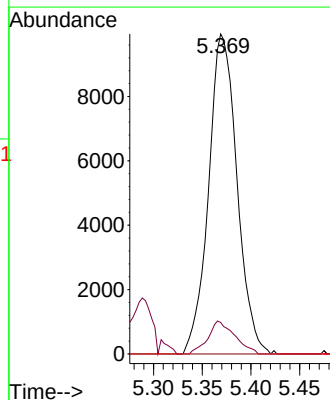
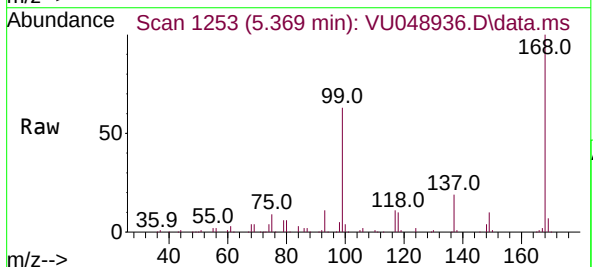
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

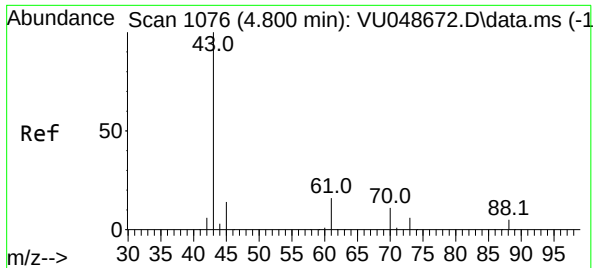
Tgt Ion:113 Resp: 142085
Ion Ratio Lower Upper
113 100
111 102.2 80.7 121.1
192 18.6 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.796 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 75 Resp: 20175
Ion Ratio Lower Upper
75 100
110 9.7 17.4 52.3#
77 0.0 24.8 37.2#

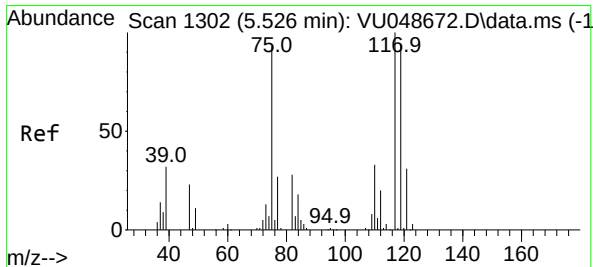
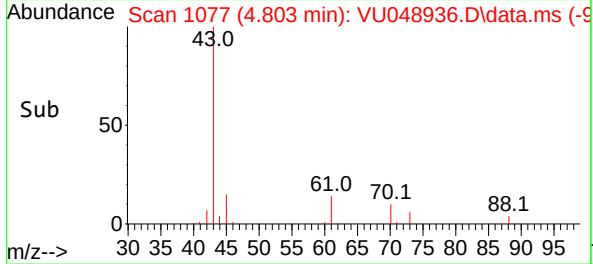
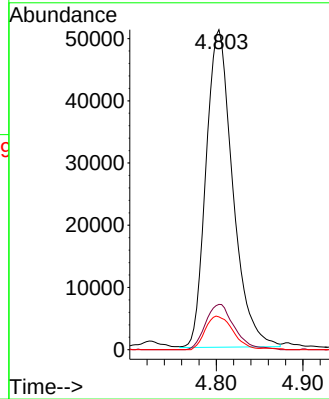
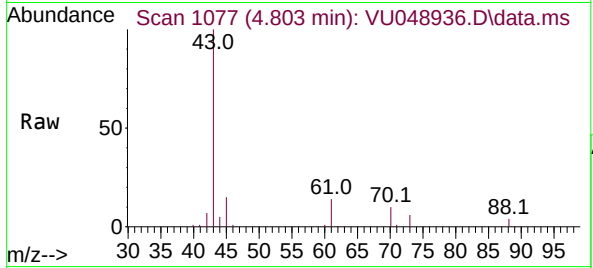




#37
Ethyl Acetate
Concen: 20.590 ug/l
RT: 4.803 min Scan# 1076
Delta R.T. 0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

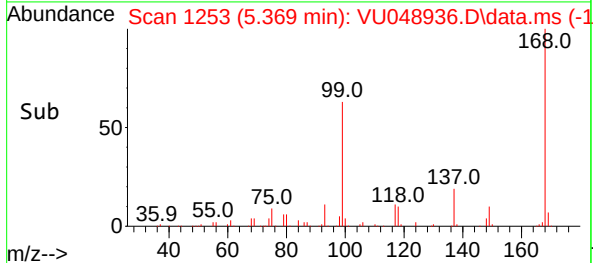
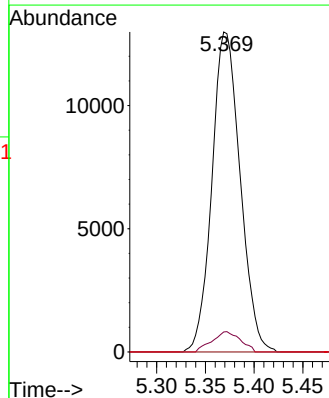
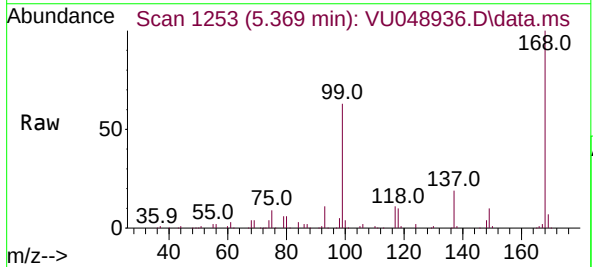
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

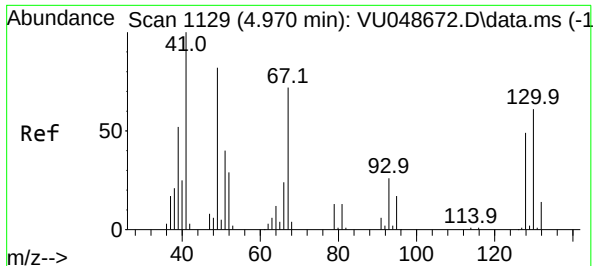
Tgt Ion:	43	Resp:	109504
Ion	Ratio	Lower	Upper
43	100		
61	15.4	11.7	17.5
70	11.0	8.4	12.6



#38
Carbon Tetrachloride
Concen: 5.419 ug/l
RT: 5.369 min Scan# 1253
Delta R.T. -0.158 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion:	117	Resp:	26156
Ion	Ratio	Lower	Upper
117	100		
119	6.3	75.4	113.2#
121	0.0	24.6	36.8#

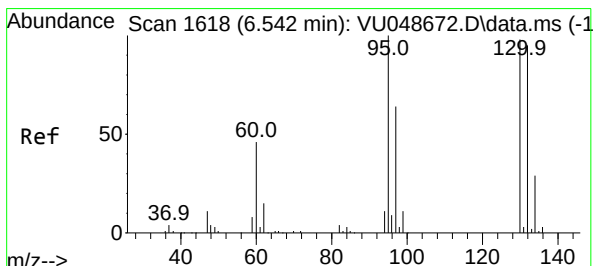
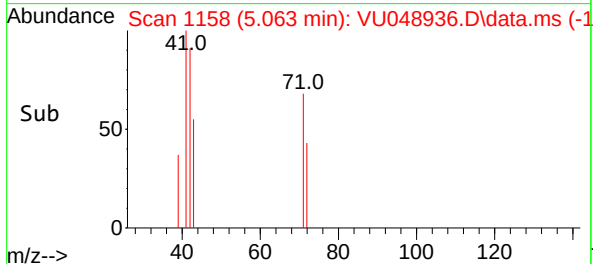
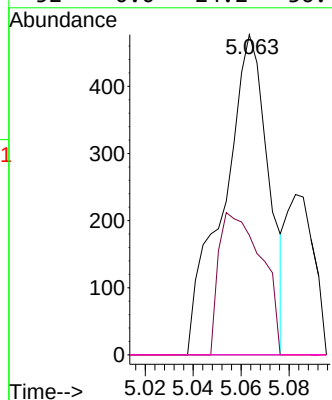
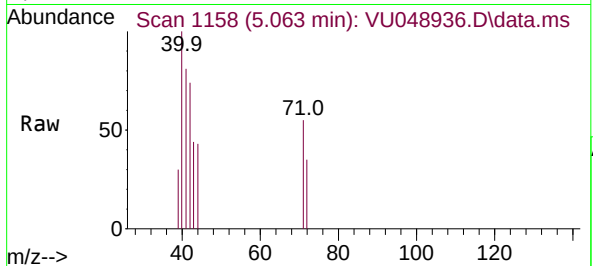




#41
Methacrylonitrile
Concen: 0.232 ug/l
RT: 5.063 min Scan# 1129
Delta R.T. 0.093 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

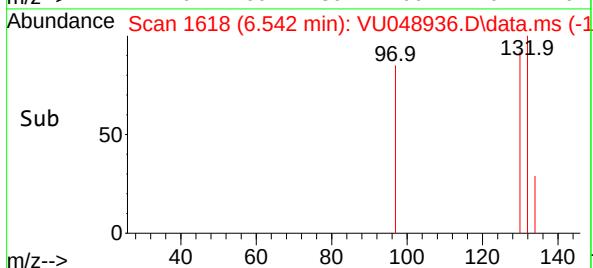
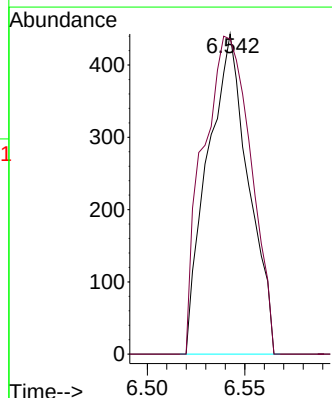
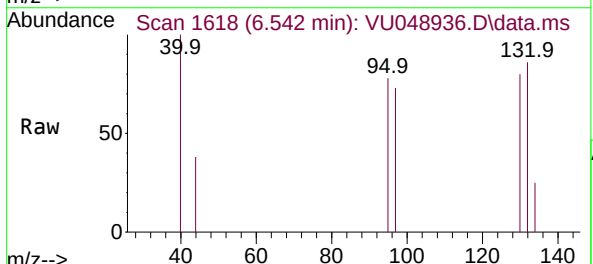
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

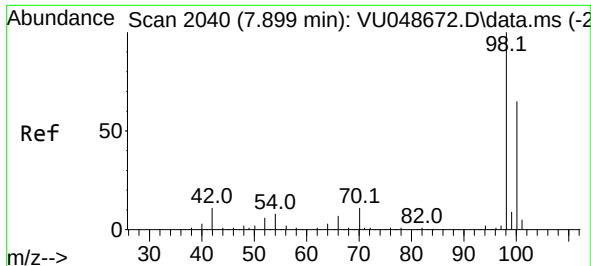
Tgt Ion: 41	Resp: 624
Ion Ratio	Lower Upper
41 100	
39 42.0	42.6 64.0#
67 0.0	61.0 91.4#
52 0.0	24.2 36.4#



#44
Trichloroethene
Concen: 0.202 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. -0.000 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion:130	Resp:	646	
Ion	Ratio	Lower	Upper
130	100		
95	98.4	0.0	204.8

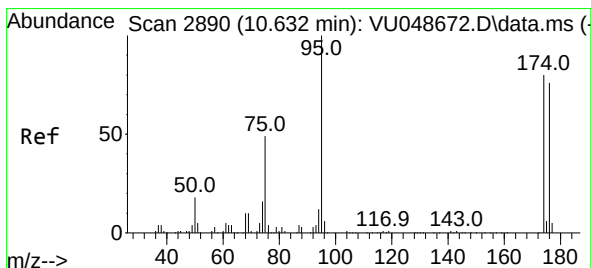
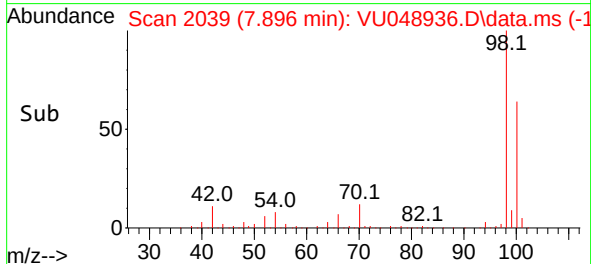
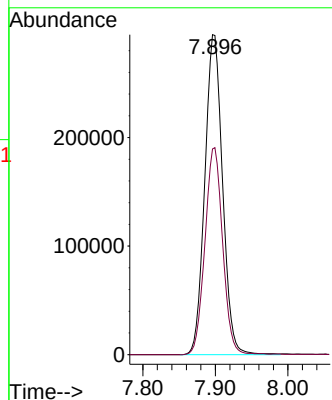
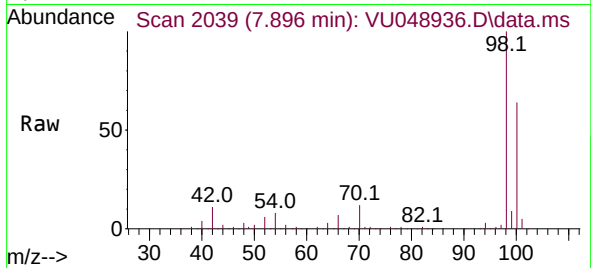




#50
Toluene-d8
Concen: 48.643 ug/l
RT: 7.896 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

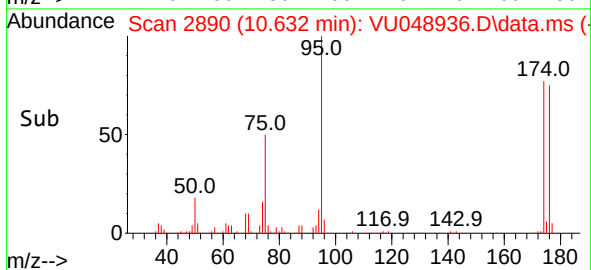
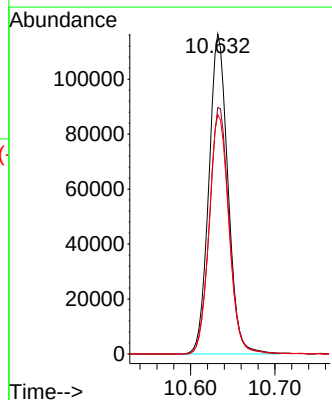
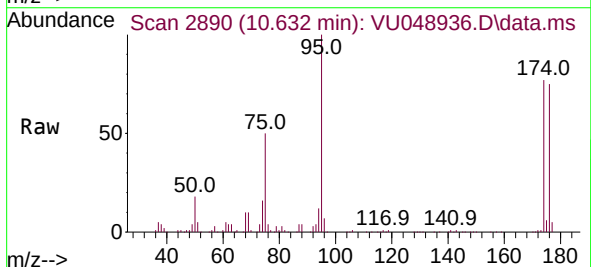
Instrument :
MSVOA_U
ClientSampleId :
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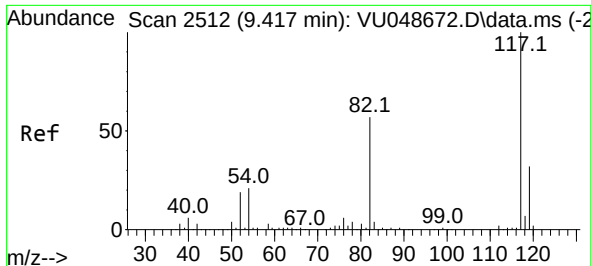
Tgt Ion: 98 Resp: 502613
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 46.936 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 95 Resp: 183414
Ion Ratio Lower Upper
95 100
174 79.5 0.0 159.4
176 77.5 0.0 152.4

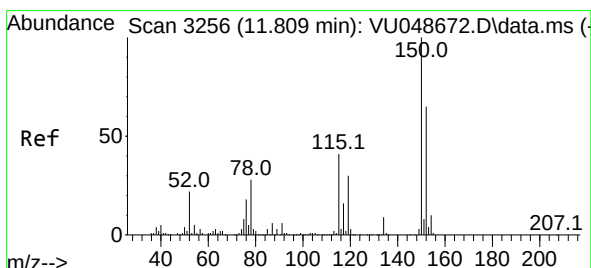
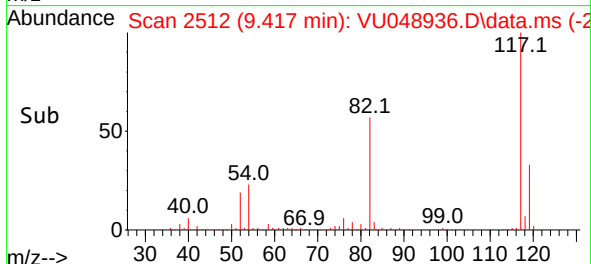
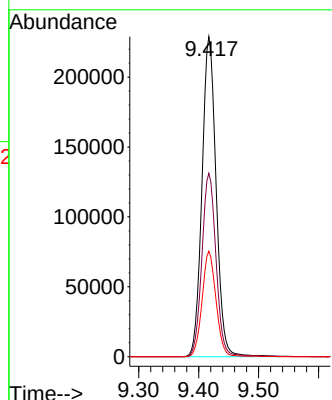
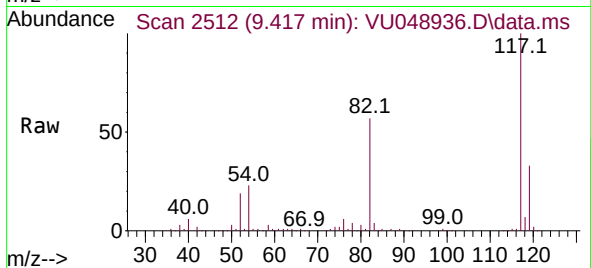




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

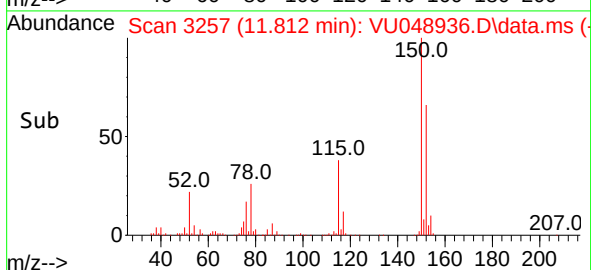
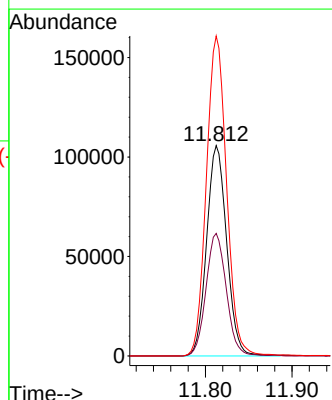
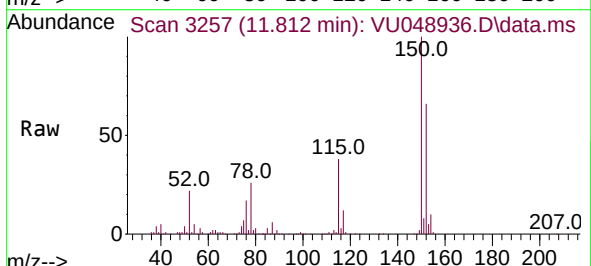
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

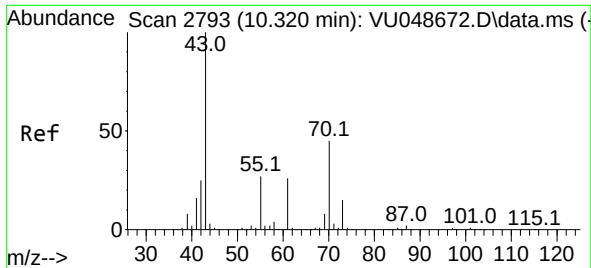
Tgt Ion:117 Resp: 376578
Ion Ratio Lower Upper
117 100
82 57.3 45.3 67.9
119 32.9 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion:152 Resp: 170240
Ion Ratio Lower Upper
152 100
115 58.9 41.8 125.4
150 153.1 0.0 341.0

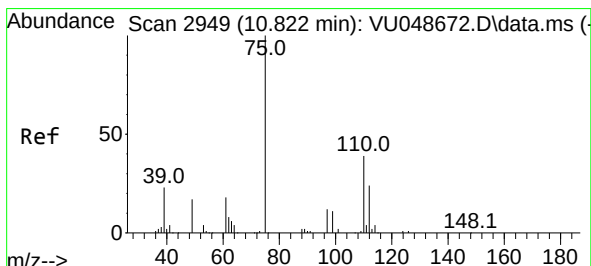
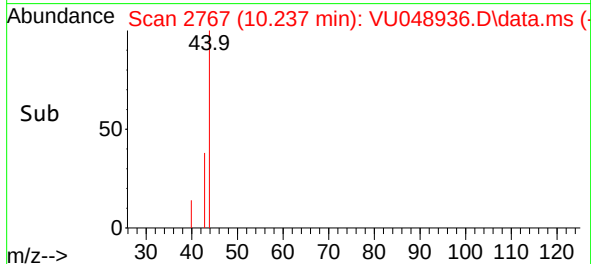
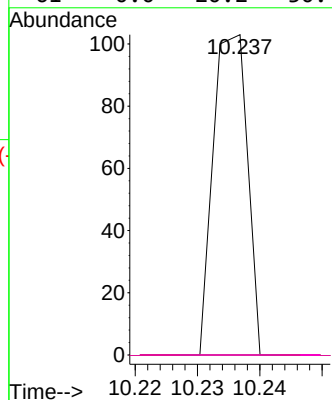
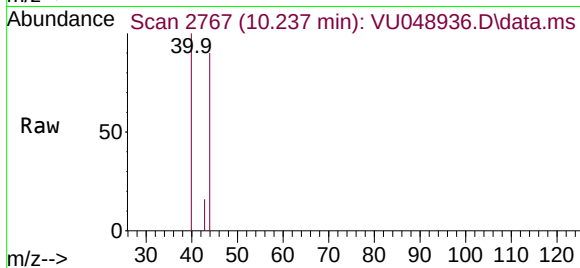




#74
N-amy1 acetate
Concen: 2.474 ug/l
RT: 10.237 min Scan# 21
Delta R.T. -0.083 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

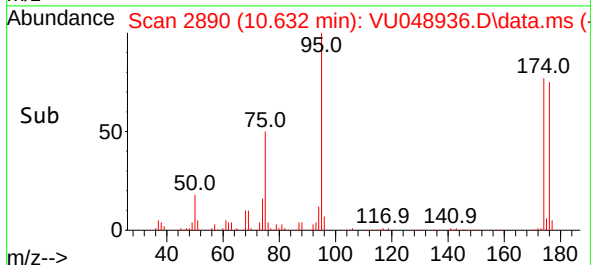
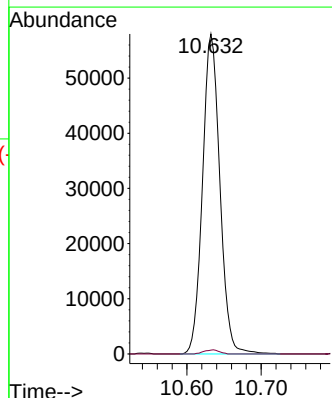
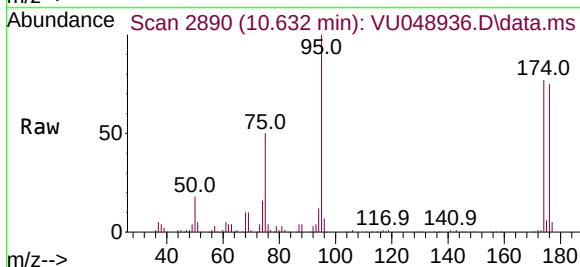
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

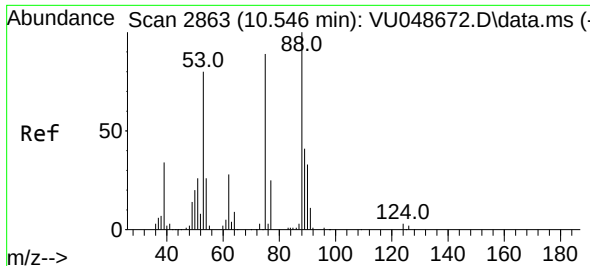
Tgt Ion: 43	Resp:	39
Ion Ratio	Lower	Upper
43 100		
70 0.0	35.8	53.6#
55 0.0	21.1	31.7#
61 0.0	20.2	30.4#



#76
1,2,3-Trichloropropane
Concen: 17.140 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.190 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 75	Resp:	94082	
Ion Ratio	Lower	Upper	
75 100			
77 1.1	14.8	44.3#	

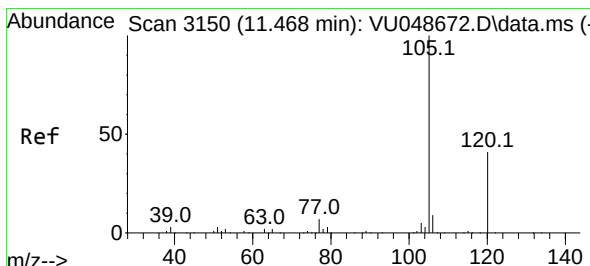
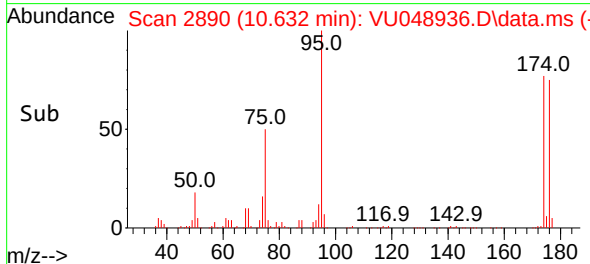
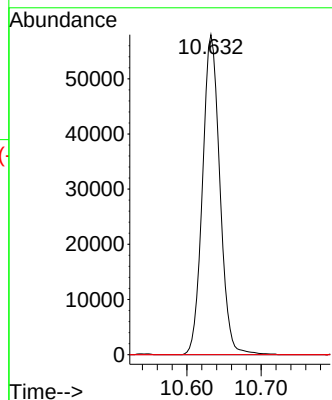
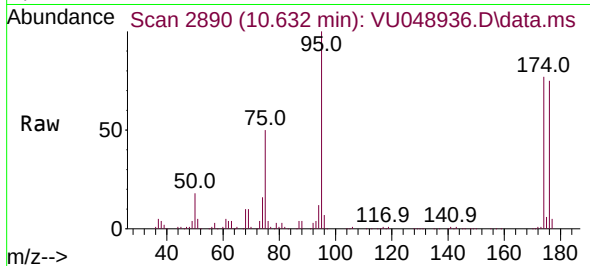




#81
trans-1,4-Dichloro-2-butene
Concen: 62.234 ug/l
RT: 10.632 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

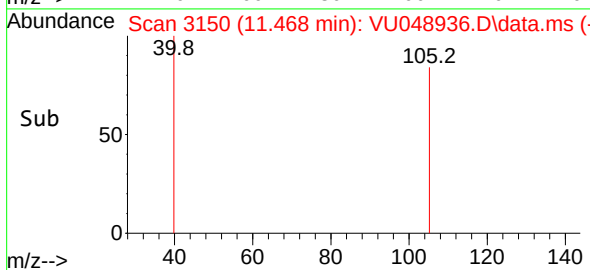
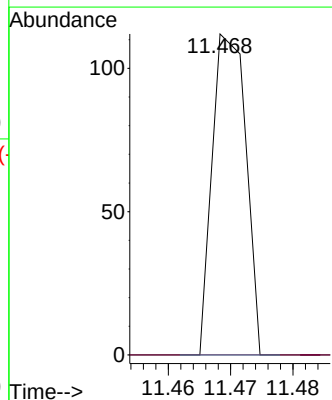
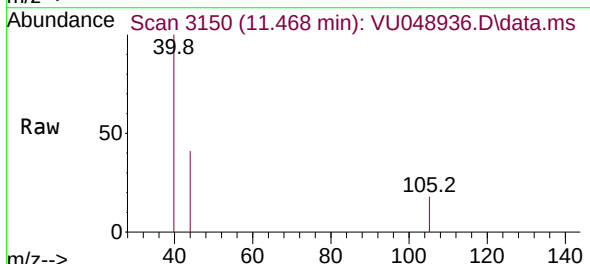
Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

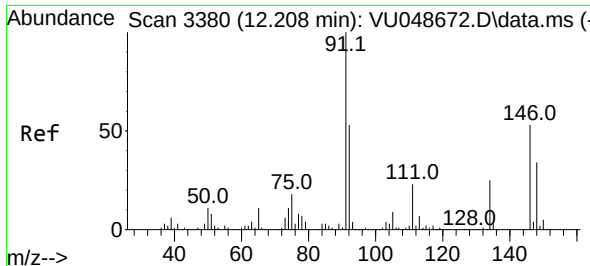
Tgt Ion: 75 Resp: 94082
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.191 ug/l
RT: 11.468 min Scan# 3150
Delta R.T. 0.000 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 105 Resp: 42
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

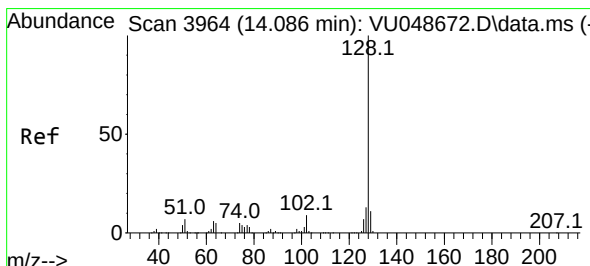
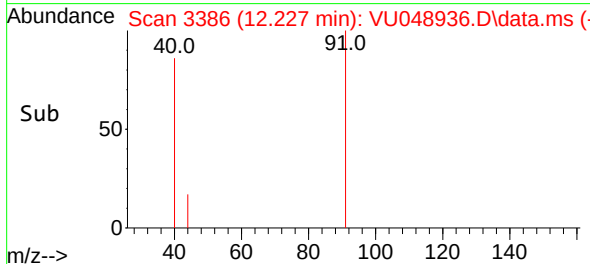
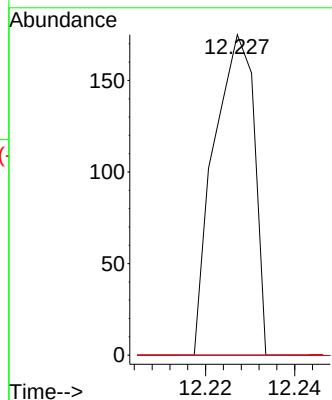
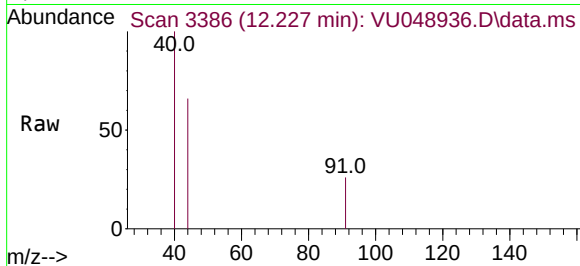




#89
n-Butylbenzene
Concen: 2.196 ug/l
RT: 12.227 min Scan# 31
Delta R.T. 0.019 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Instrument :
MSVOA_U
ClientSampleId :
DUP06-20220531

Tgt Ion: 91 Resp: 110
Ion Ratio Lower Upper
91 100
92 0.0 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.599 ug/l
RT: 14.111 min Scan# 3972
Delta R.T. 0.025 min
Lab File: VU048936.D
Acq: 08 Jun 2022 02:14

Tgt Ion: 128 Resp: 938
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.4#
129 0.0 8.7 13.1#

