

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU060822\
 Data File : VU048965.D
 Acq On : 08 Jun 2022 16:17
 Operator : SY/MD
 Sample : N3166-21
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 DUP10-20220601

Quant Time: Jun 09 09:56:24 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)

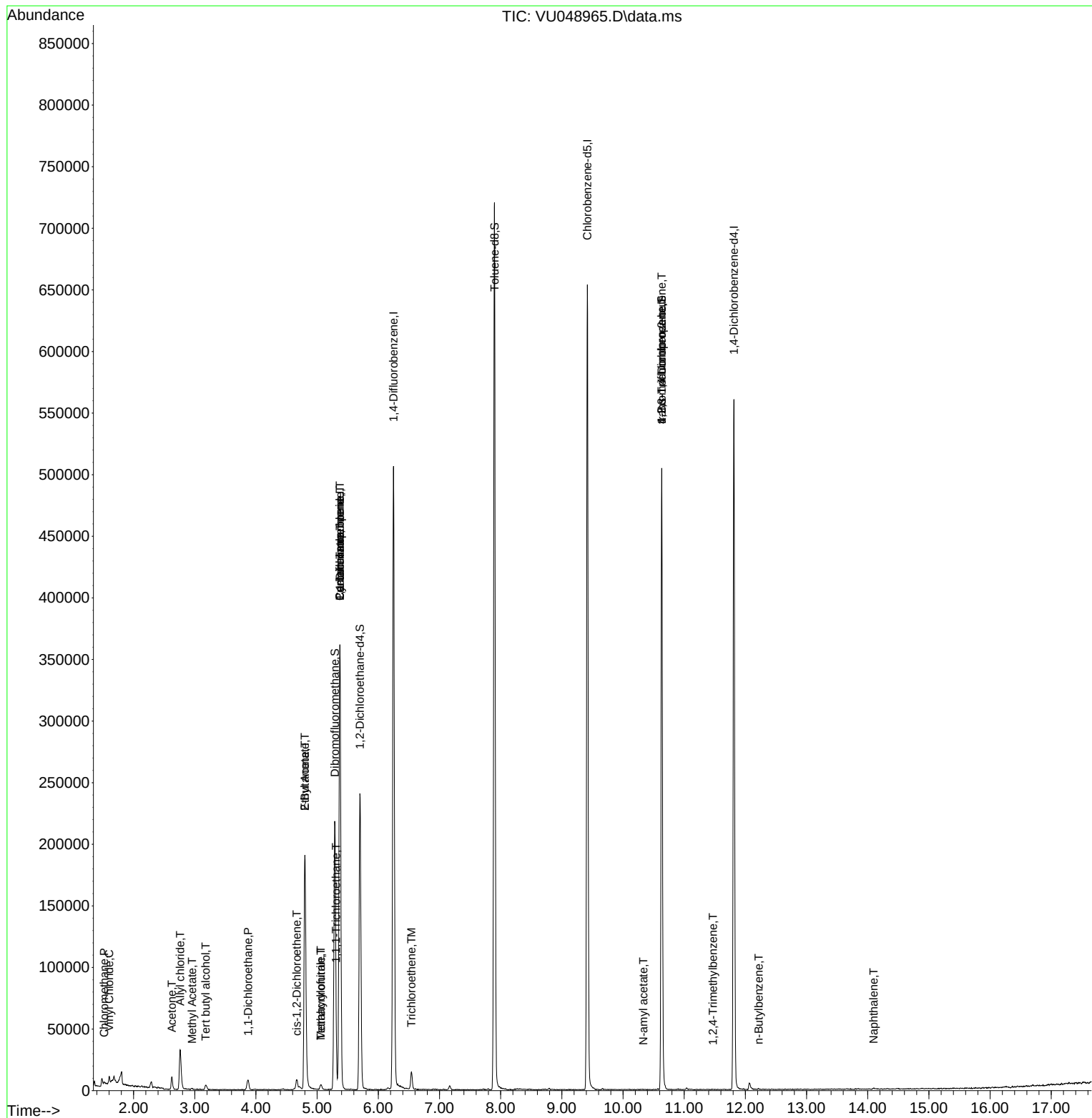
Internal Standards						
1) Pentafluorobenzene	5.372	168	245725	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	403430	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	356002	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	150346	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.700	65	185754	50.336	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.680%			
35) Dibromofluoromethane	5.289	113	139301	48.399	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.800%			
50) Toluene-d8	7.899	98	477392	46.272	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.540%			
62) 4-Bromofluorobenzene	10.632	95	163653	41.942	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 83.880%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	1699	0.469	ug/l #	78
4) Vinyl Chloride	1.601	62	2435	0.726	ug/l #	33
5) Bromomethane	1.842	94	126	Below Cal	#	3
6) Chloroethane	1.967	64	215	Below Cal	#	43
11) Tert butyl alcohol	3.179	59	2953	3.156	ug/l #	28
13) Acrolein	2.482	56	212	Below Cal	#	14
14) Allyl chloride	2.761	41	3809	0.786	ug/l #	60
16) Acetone	2.623	43	11763	6.255	ug/l	99
18) Methyl Acetate	2.954	43	1321	0.280	ug/l #	71
24) 1,1-Dichloroethane	3.871	63	9874	1.759	ug/l	96
25) 2-Butanone	4.800	43	248479	91.969	ug/l #	49
27) cis-1,2-Dichloroethene	4.668	96	4292	1.296	ug/l	89
29) Tetrahydrofuran	5.060	42	2840	1.669	ug/l #	78
31) Cyclohexane	5.372	56	5361	1.153	ug/l #	1
32) 1,1,1-Trichloroethane	5.311	97	1810	0.355	ug/l #	49
36) 1,1-Dichloropropene	5.372	75	19474	4.636	ug/l #	51
37) Ethyl Acetate	4.800	43	248479	46.791	ug/l	98
38) Carbon Tetrachloride	5.372	117	25253	5.240	ug/l #	18
41) Methacrylonitrile	5.060	41	1669	0.622	ug/l #	45
44) Trichloroethene	6.542	130	4950	1.549	ug/l	99
74) N-amyl acetate	10.330	43	52	2.477	ug/l #	41
76) 1,2,3-Trichloropropane	10.632	75	85340	17.605	ug/l #	48
81) trans-1,4-Dichloro-2-b...	10.632	75	85340	63.921	ug/l #	13
84) 1,2,4-Trimethylbenzene	11.472	105	94	1.197	ug/l #	31
89) n-Butylbenzene	12.221	91	357	2.225	ug/l #	39
95) Naphthalene	14.098	128	1227	2.631	ug/l #	86

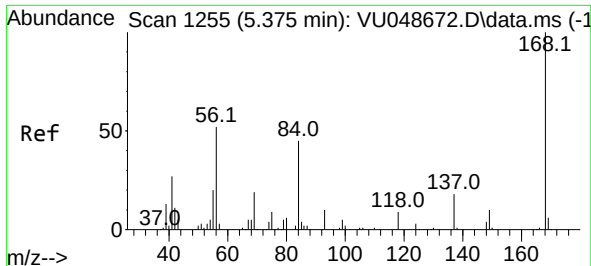
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

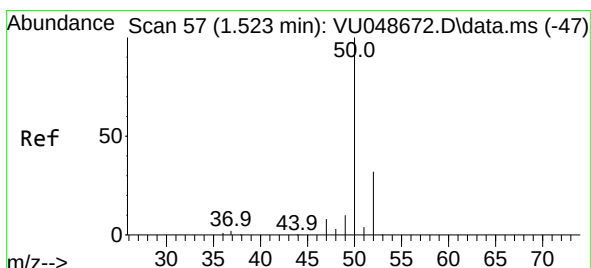
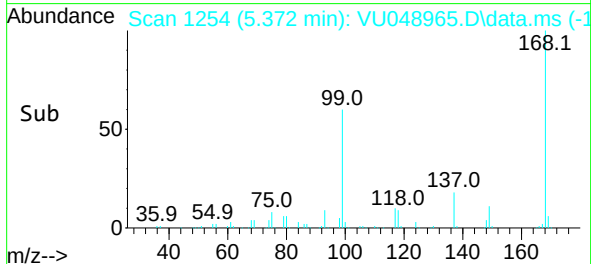
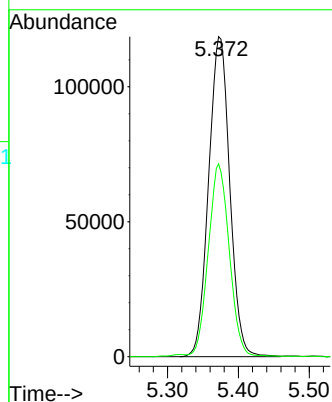
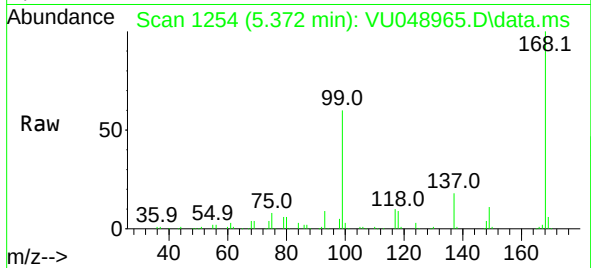




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.372 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

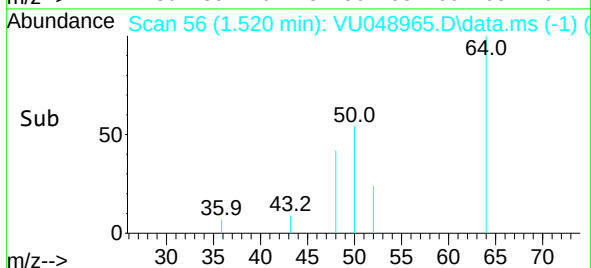
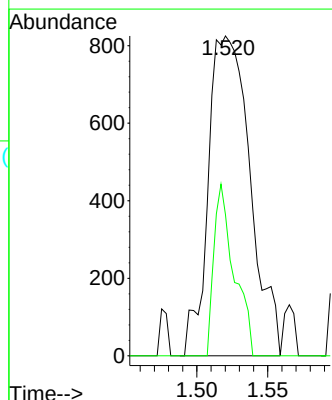
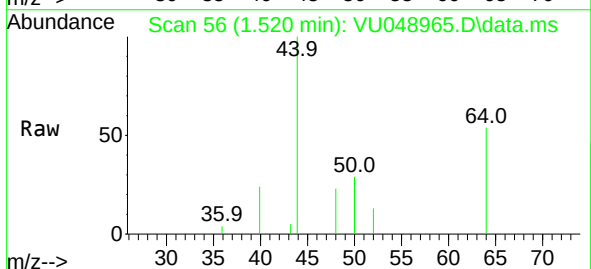
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

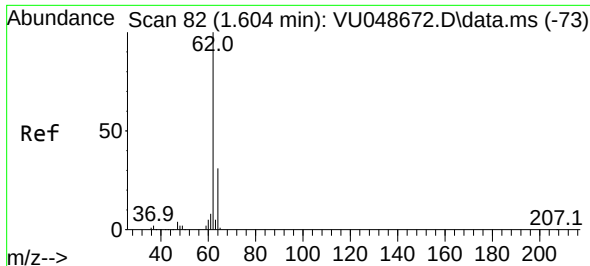
Tgt Ion:168 Resp: 245725
Ion Ratio Lower Upper
168 100
99 60.1 49.3 73.9



#3
Chloromethane
Concen: 0.469 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 50 Resp: 1699
Ion Ratio Lower Upper
50 100
52 44.1 25.7 38.5#

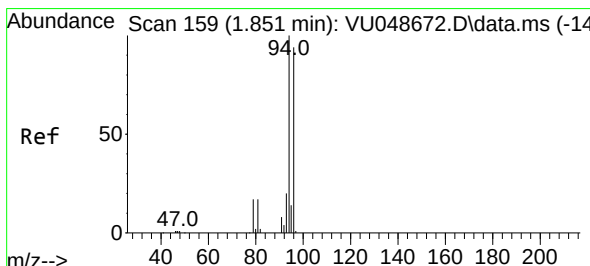
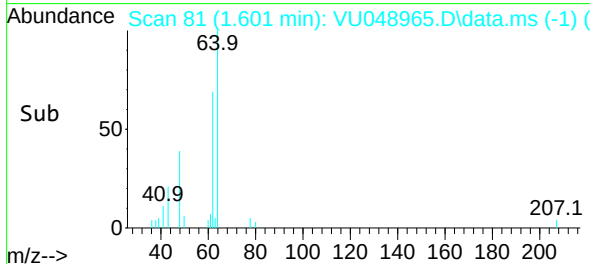
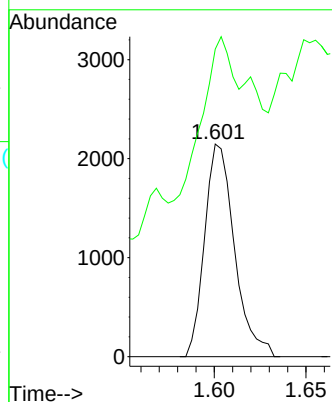
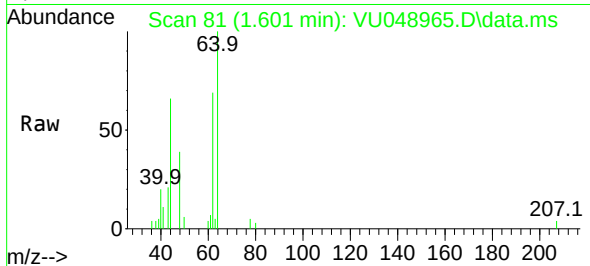




#4
 Vinyl Chloride
 Concen: 0.726 ug/l
 RT: 1.601 min Scan# 81
 Delta R.T. -0.003 min
 Lab File: VU048965.D
 Acq: 08 Jun 2022 16:17

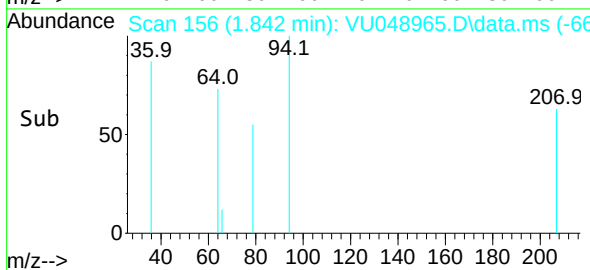
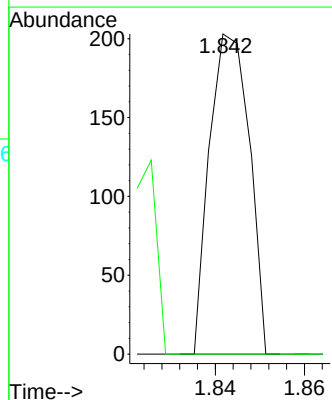
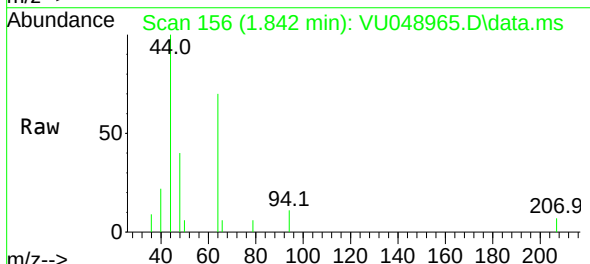
Instrument :
 MSVOA_U
 ClientSampleId :
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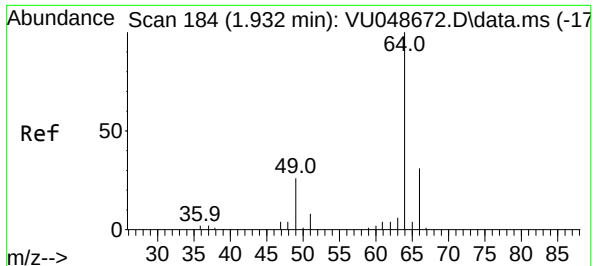
Tgt Ion: 62 Resp: 2435
 Ion Ratio Lower Upper
 62 100
 64 68.5 25.2 37.8#



#5
 Bromomethane
 Concen: Below Cal
 RT: 1.842 min Scan# 156
 Delta R.T. -0.009 min
 Lab File: VU048965.D
 Acq: 08 Jun 2022 16:17

Tgt Ion: 94 Resp: 126
 Ion Ratio Lower Upper
 94 100
 96 0.0 75.1 112.7#

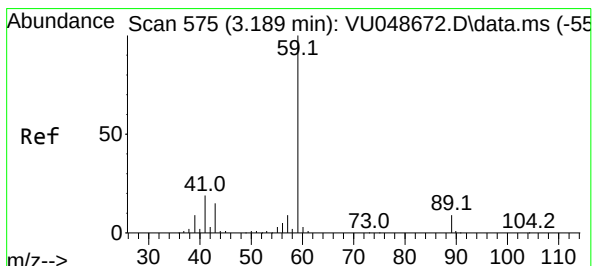
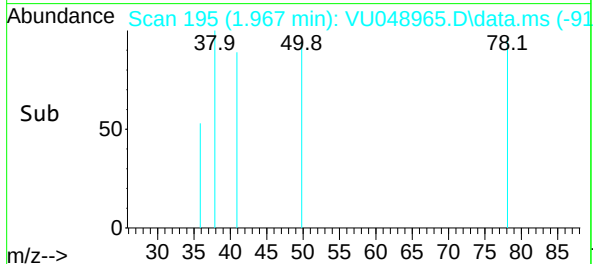
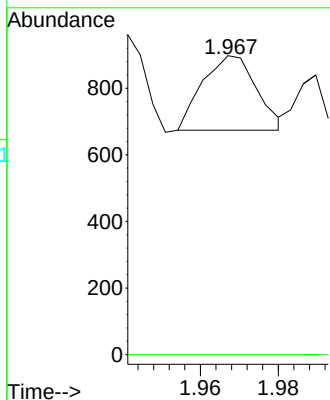
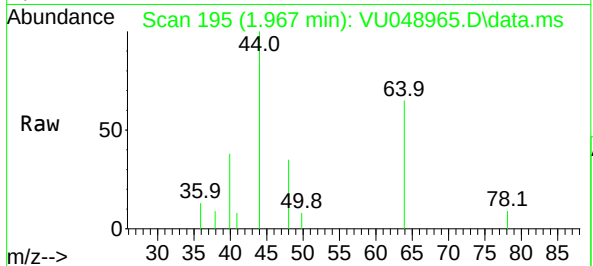




#6
Chloroethane
Concen: Below Cal
RT: 1.967 min Scan# 195
Delta R.T. 0.035 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

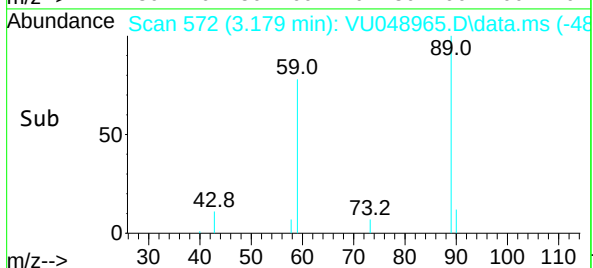
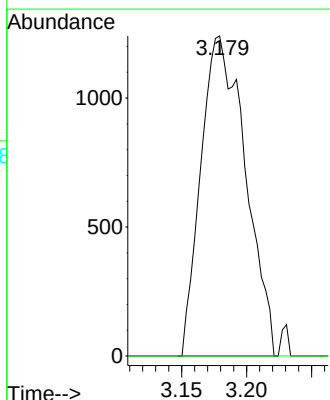
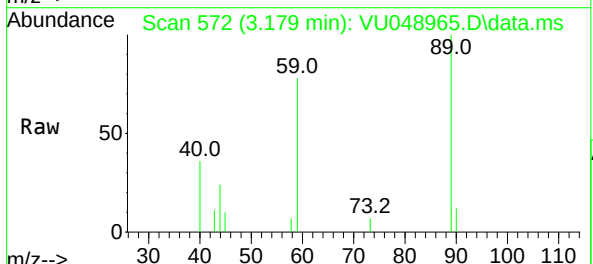
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

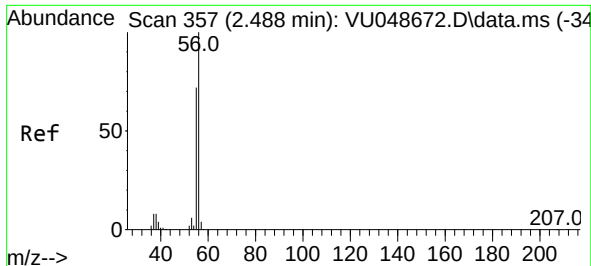
Tgt Ion: 64 Resp: 215
Ion Ratio Lower Upper
64 100
66 0.0 25.2 37.8#



#11
Tert butyl alcohol
Concen: 3.156 ug/l
RT: 3.179 min Scan# 572
Delta R.T. -0.010 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 59 Resp: 2953
Ion Ratio Lower Upper
59 100
57 0.0 39.7 59.5#

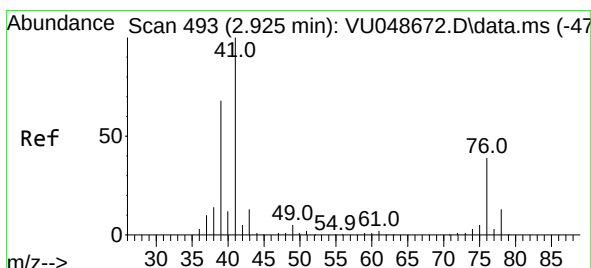
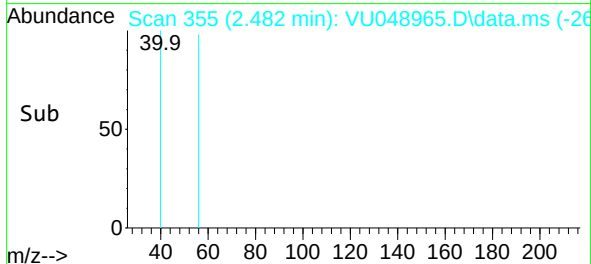
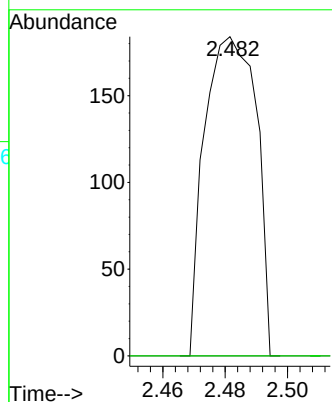
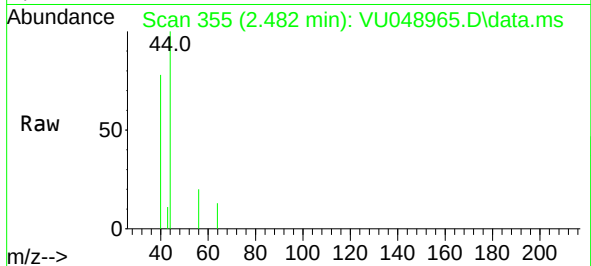




#13
Acrolein
Concen: Below Cal
RT: 2.482 min Scan# 311
Delta R.T. -0.006 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

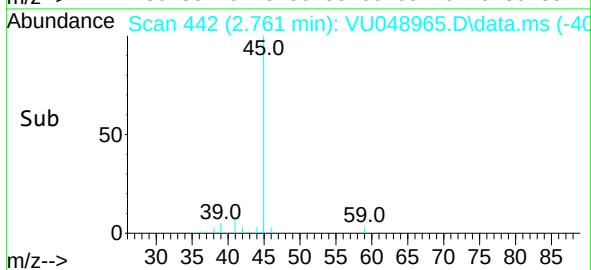
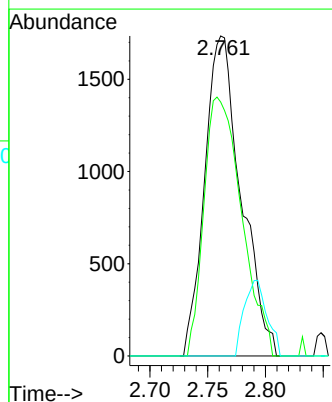
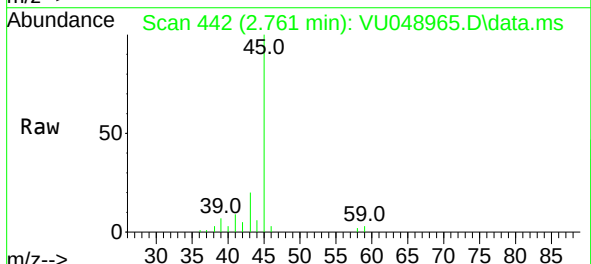
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

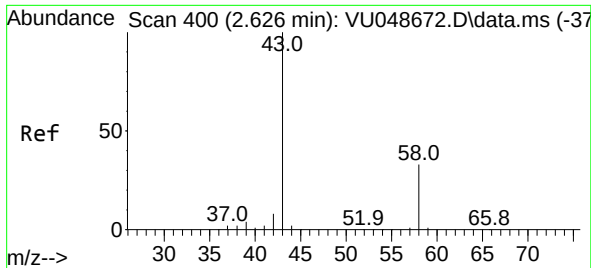
Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 0.0 57.7 86.5#



#14
Allyl chloride
Concen: 0.786 ug/l
RT: 2.761 min Scan# 442
Delta R.T. -0.164 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 41 Resp: 3809
Ion Ratio Lower Upper
41 100
39 83.6 48.6 72.8#
76 0.0 27.0 40.4#

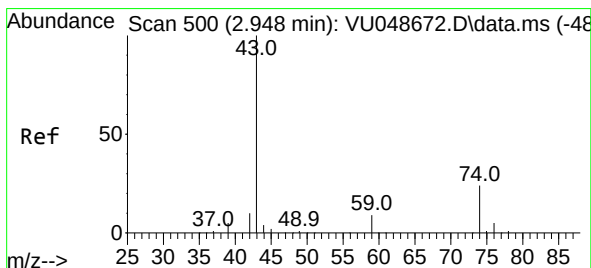
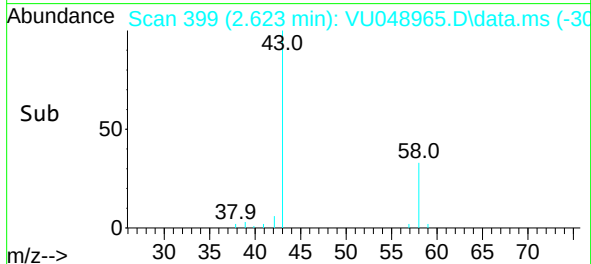
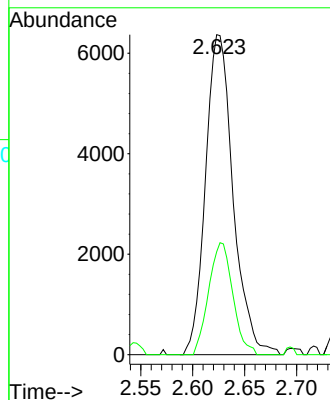
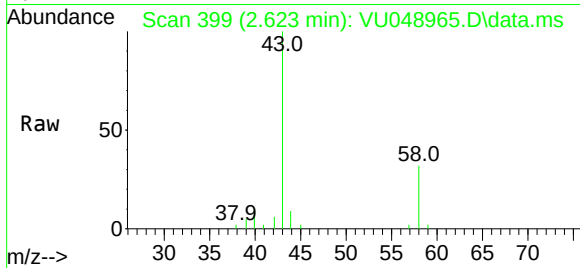




#16
Acetone
Concen: 6.255 ug/l
RT: 2.623 min Scan# 399
Delta R.T. -0.003 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

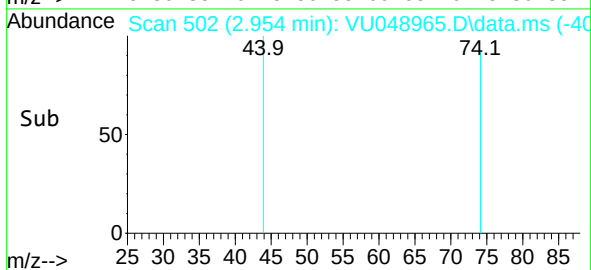
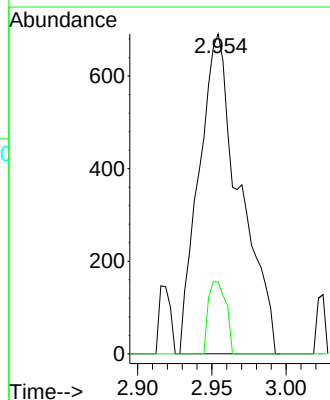
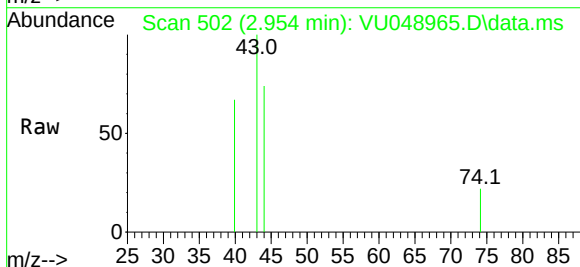
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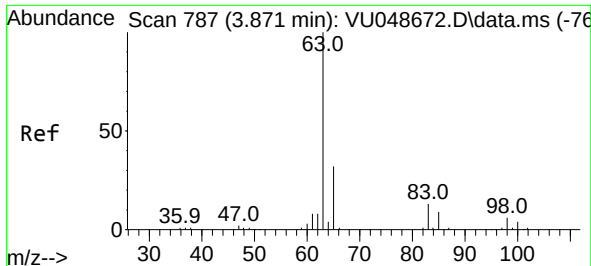
Tgt Ion: 43 Resp: 11763
Ion Ratio Lower Upper
43 100
58 32.2 26.3 39.5



#18
Methyl Acetate
Concen: 0.280 ug/l
RT: 2.954 min Scan# 502
Delta R.T. 0.006 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 43 Resp: 1321
Ion Ratio Lower Upper
43 100
74 9.7 19.2 28.8#

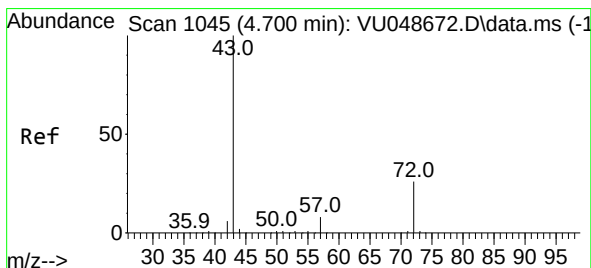
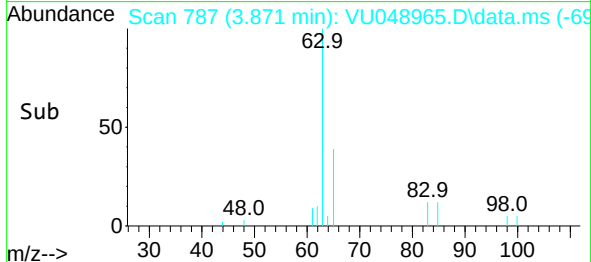
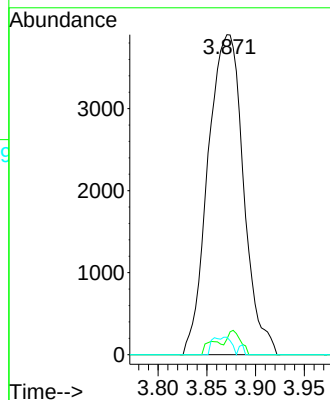
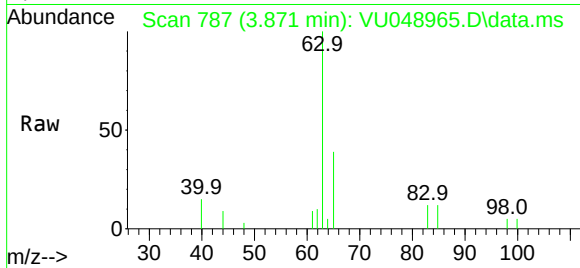




#24
1,1-Dichloroethane
Concen: 1.759 ug/l
RT: 3.871 min Scan# 71
Delta R.T. 0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

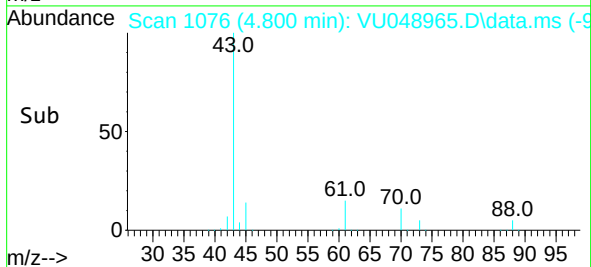
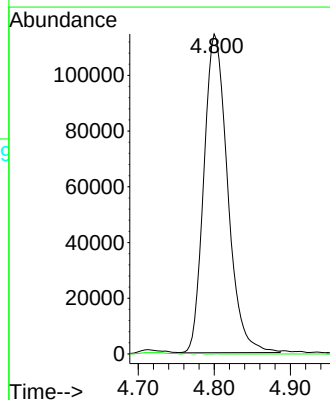
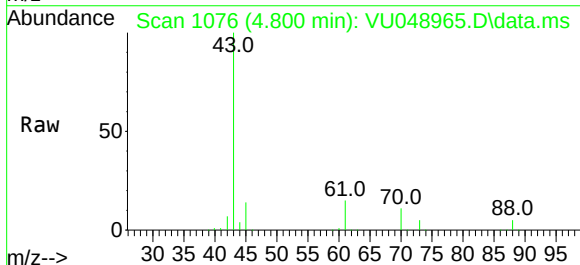
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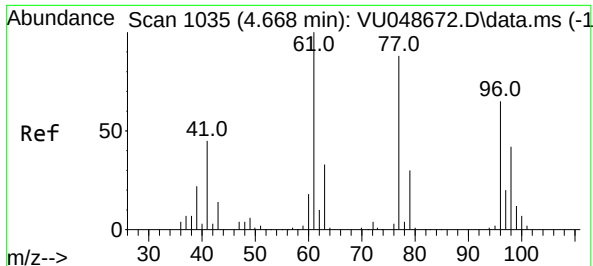
Tgt Ion: 63 Resp: 9874
Ion Ratio Lower Upper
63 100
98 4.9 3.1 9.3
100 5.4 2.0 5.8



#25
2-Butanone
Concen: 91.969 ug/l
RT: 4.800 min Scan# 1076
Delta R.T. 0.100 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 43 Resp: 248479
Ion Ratio Lower Upper
43 100
72 0.0 21.1 31.7#





#27

cis-1,2-Dichloroethene

Concen: 1.296 ug/l

RT: 4.668 min Scan# 1035

Delta R.T. 0.000 min

Lab File: VU048965.D

Acq: 08 Jun 2022 16:17

Instrument :

MSVOA_U

ClientSampleId :

DUP10-20220601

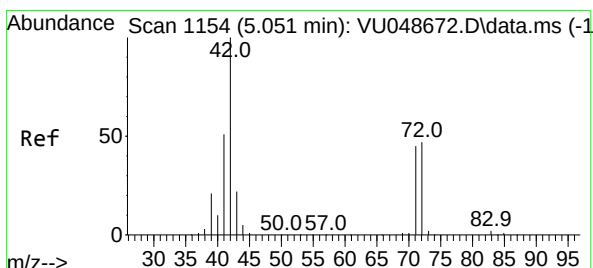
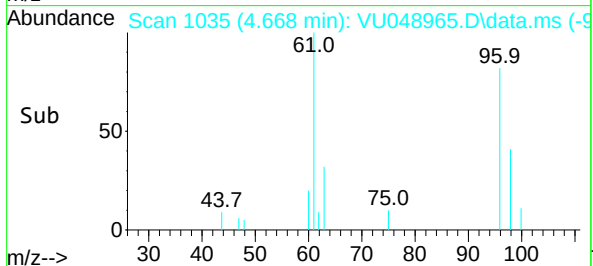
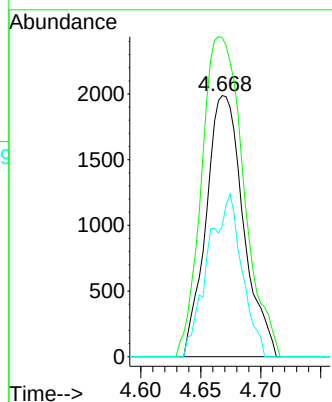
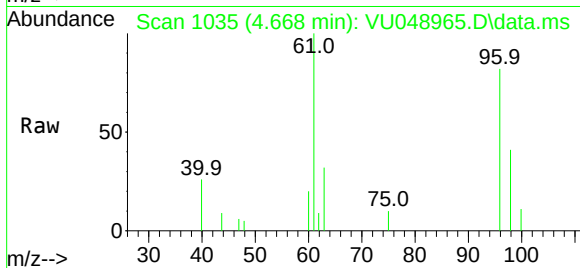
Tgt Ion: 96 Resp: 4292

Ion Ratio Lower Upper

96 100

61 138.1 0.0 306.2

98 57.0 0.0 130.4



#29

Tetrahydrofuran

Concen: 1.669 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.010 min

Lab File: VU048965.D

Acq: 08 Jun 2022 16:17

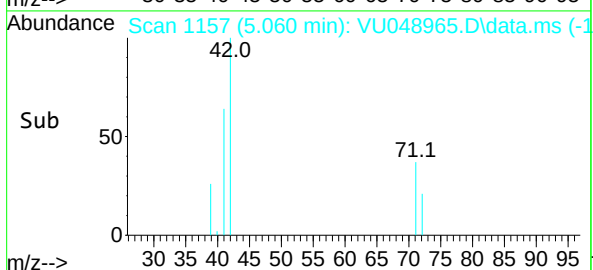
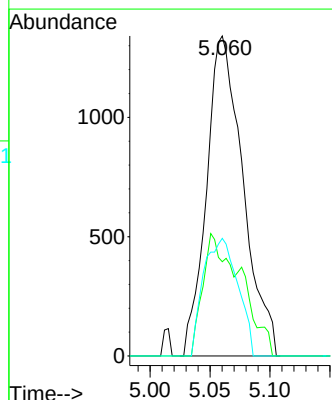
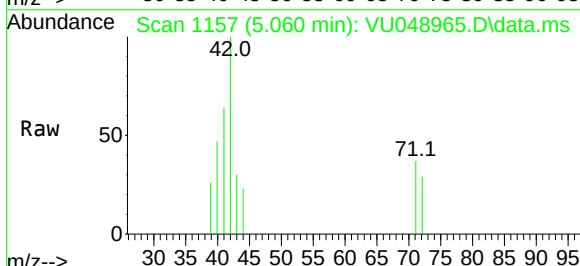
Tgt Ion: 42 Resp: 2840

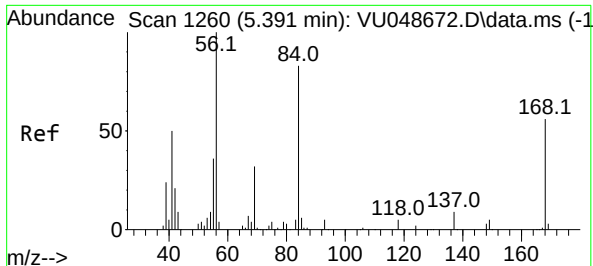
Ion Ratio Lower Upper

42 100

72 27.0 37.6 56.4#

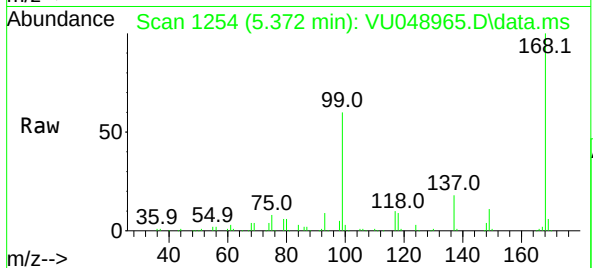
71 34.4 35.0 52.4#



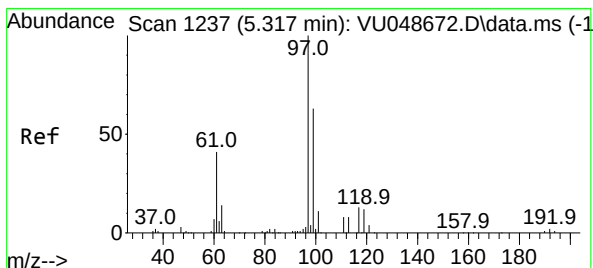
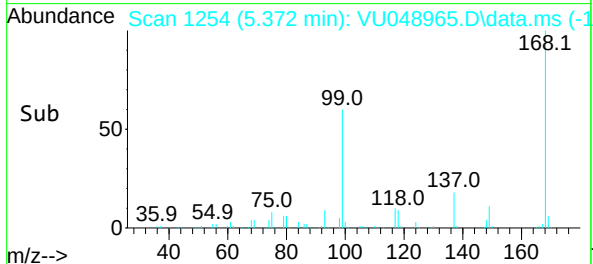
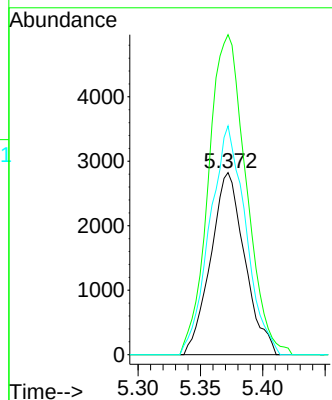


#31
Cyclohexane
Concen: 1.153 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.019 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

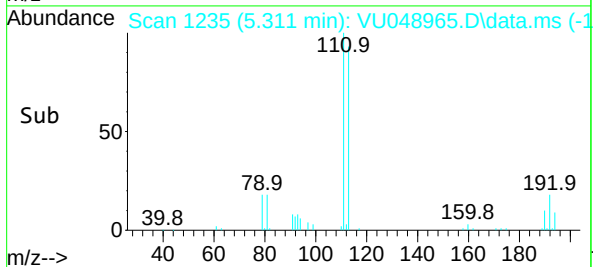
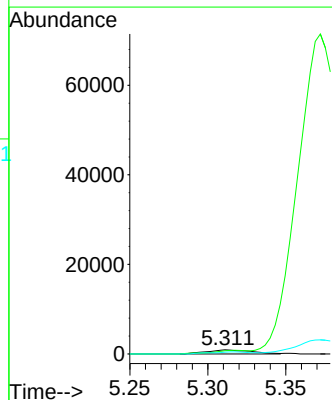
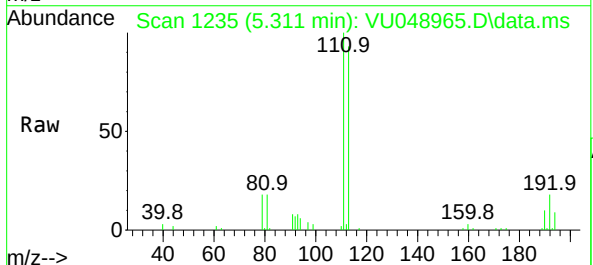


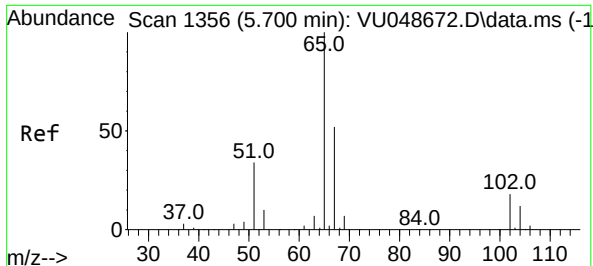
Tgt Ion: 56 Resp: 5361
Ion Ratio Lower Upper
56 100
69 175.8 25.6 38.4#
84 125.7 66.2 99.4#



#32
1,1,1-Trichloroethane
Concen: 0.355 ug/l
RT: 5.311 min Scan# 1235
Delta R.T. -0.006 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 97 Resp: 1810
Ion Ratio Lower Upper
97 100
99 0.0 51.6 77.4#
61 46.0 34.5 51.7





#33

1,2-Dichloroethane-d4

Concen: 50.336 ug/l

RT: 5.700 min Scan# 1

Delta R.T. 0.000 min

Lab File: VU048965.D

Acq: 08 Jun 2022 16:17

Instrument :

MSVOA_U

ClientSampleId :

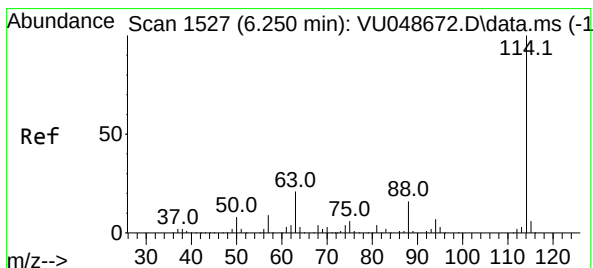
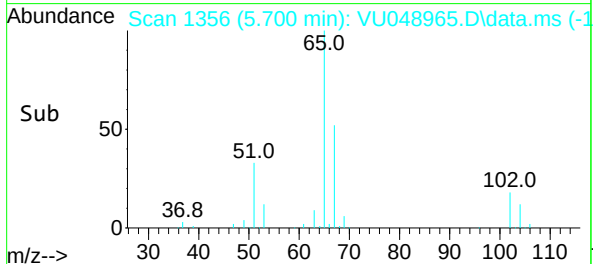
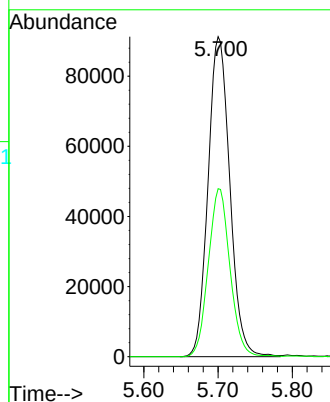
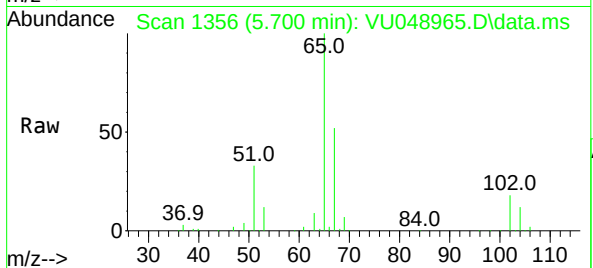
DUP10-20220601

Tgt Ion: 65 Resp: 185754

Ion Ratio Lower Upper

65 100

67 52.3 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: VU048965.D

Acq: 08 Jun 2022 16:17

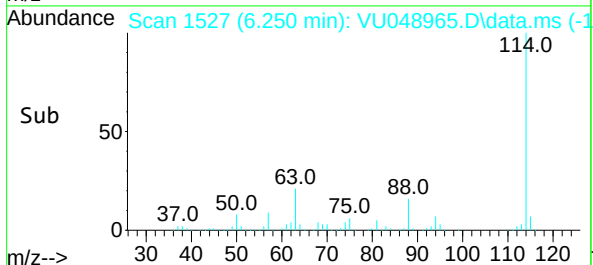
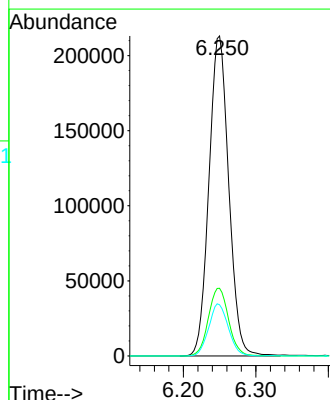
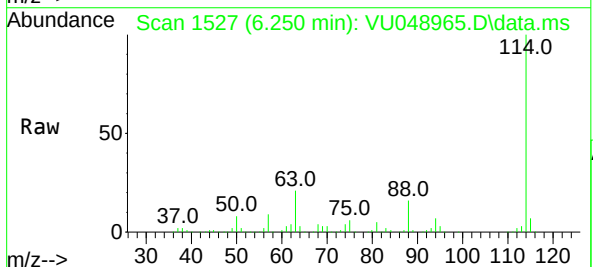
Tgt Ion: 114 Resp: 403430

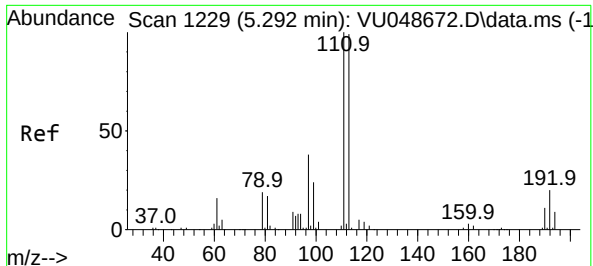
Ion Ratio Lower Upper

114 100

63 21.1 0.0 42.6

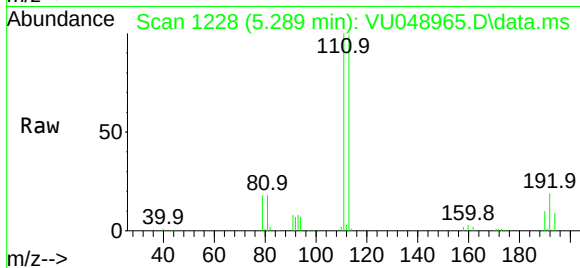
88 16.0 0.0 32.2



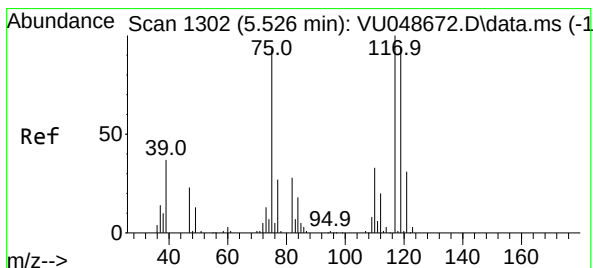
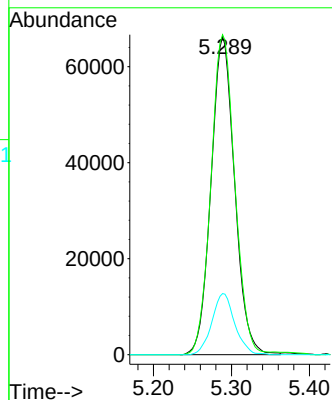
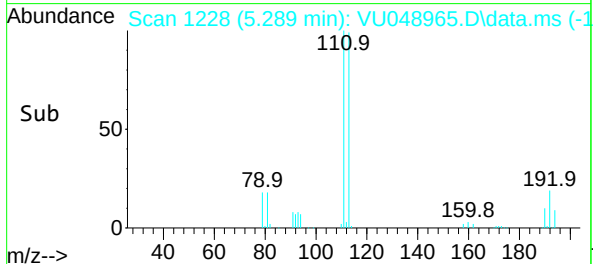


#35
Dibromofluoromethane
Concen: 48.399 ug/l
RT: 5.289 min Scan# 11
Delta R.T. -0.003 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

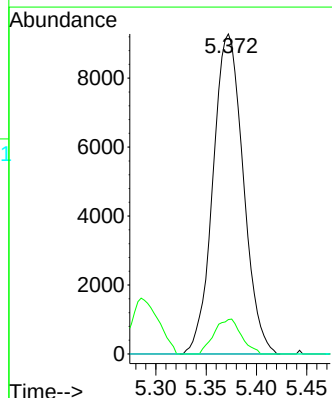
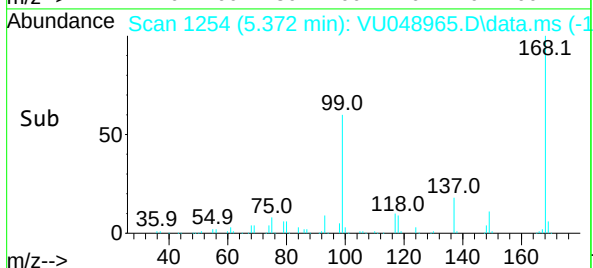
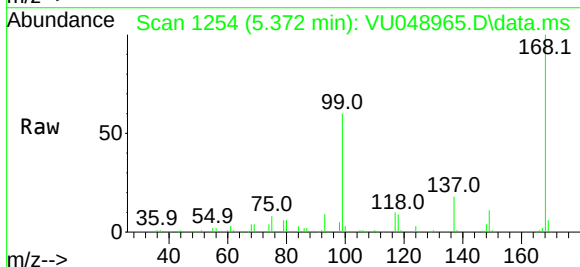


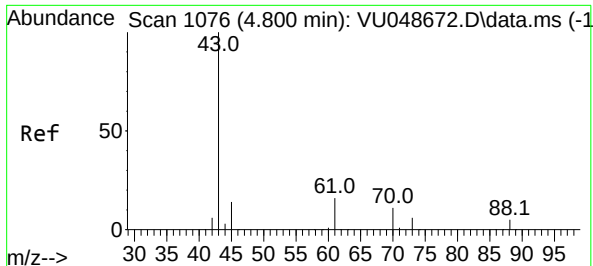
Tgt Ion:113 Resp: 139301
Ion Ratio Lower Upper
113 100
111 101.9 80.7 121.1
192 18.7 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.636 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 75 Resp: 19474
Ion Ratio Lower Upper
75 100
110 9.8 17.4 52.3#
77 0.0 24.8 37.2#

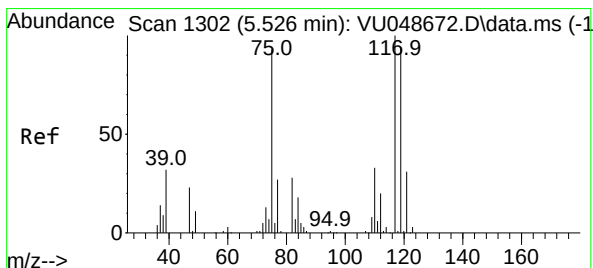
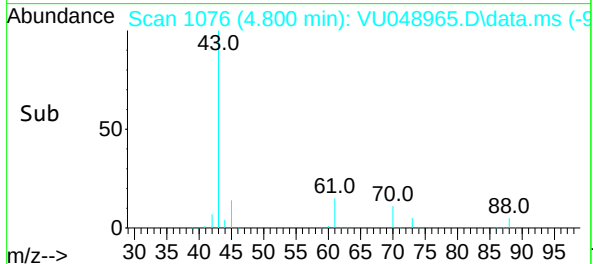
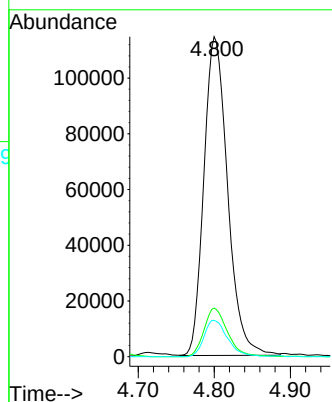
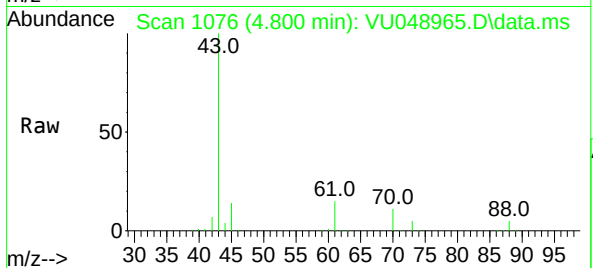




#37
Ethyl Acetate
Concen: 46.791 ug/l
RT: 4.800 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

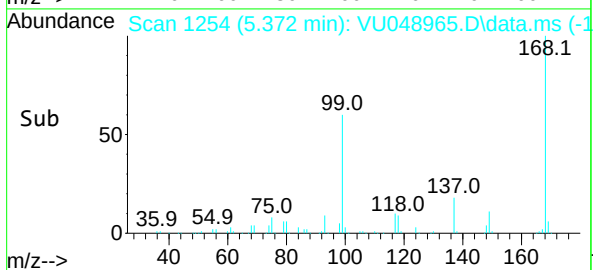
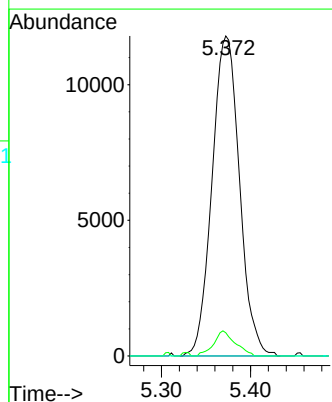
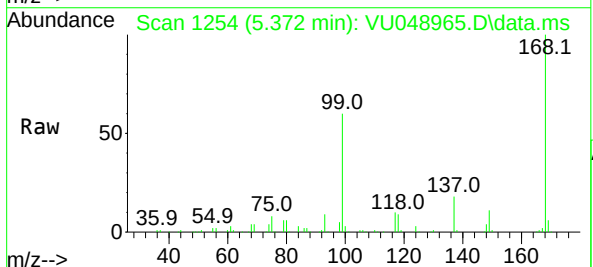
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

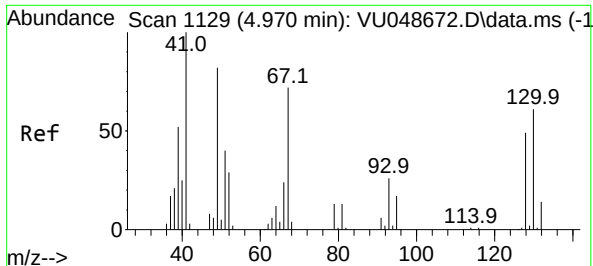
Tgt Ion: 43 Resp: 248479
Ion Ratio Lower Upper
43 100
61 15.1 11.7 17.5
70 11.3 8.4 12.6



#38
Carbon Tetrachloride
Concen: 5.240 ug/l
RT: 5.372 min Scan# 1254
Delta R.T. -0.154 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 117 Resp: 25253
Ion Ratio Lower Upper
117 100
119 7.2 75.4 113.2#
121 0.0 24.6 36.8#

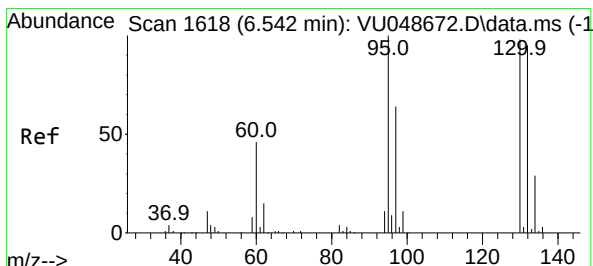
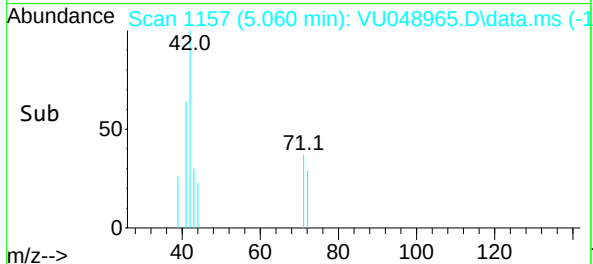
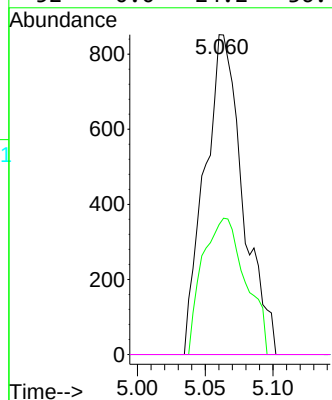
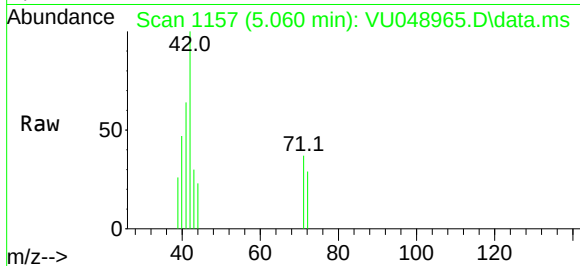




#41
Methacrylonitrile
Concen: 0.622 ug/l
RT: 5.060 min Scan# 1129
Delta R.T. 0.090 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

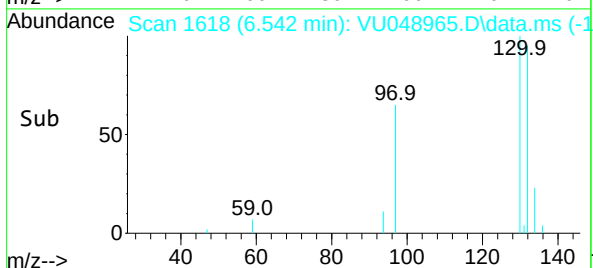
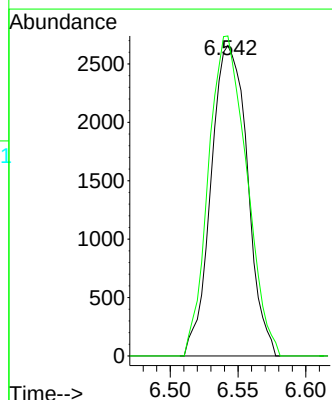
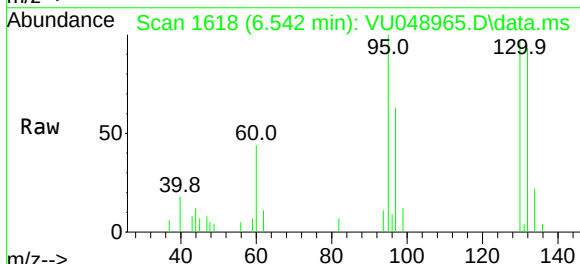
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

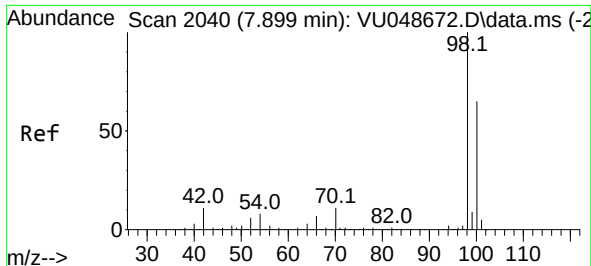
Tgt Ion: 41	Resp: 1669
Ion Ratio	Lower Upper
41	100
39	48.1 42.6 64.0
67	0.0 61.0 91.4#
52	0.0 24.2 36.4#



#44
Trichloroethene
Concen: 1.549 ug/l
RT: 6.542 min Scan# 1618
Delta R.T. 0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 130	Resp: 4950
Ion Ratio	Lower Upper
130	100
95	103.1 0.0 204.8

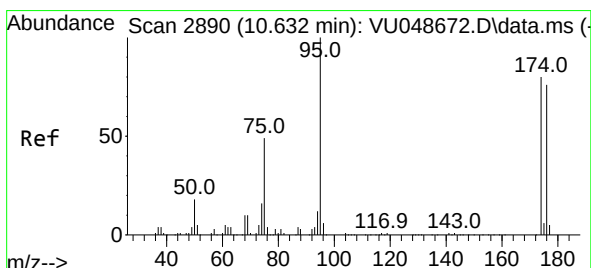
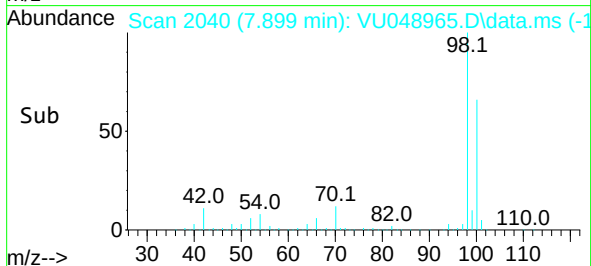
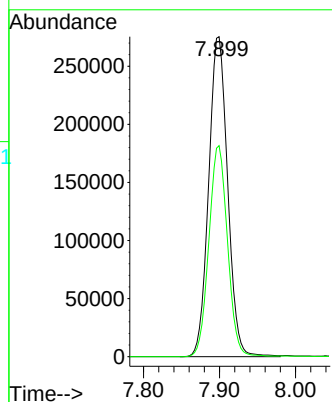
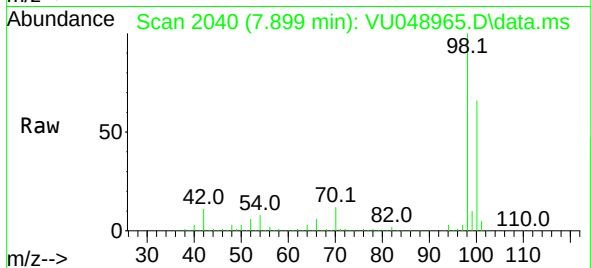




#50
Toluene-d8
Concen: 46.272 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

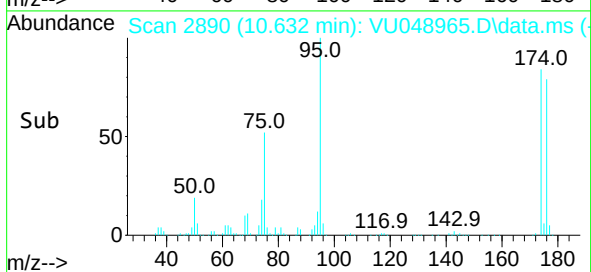
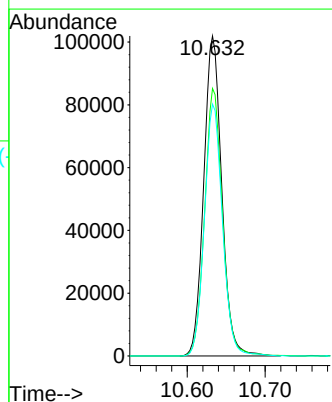
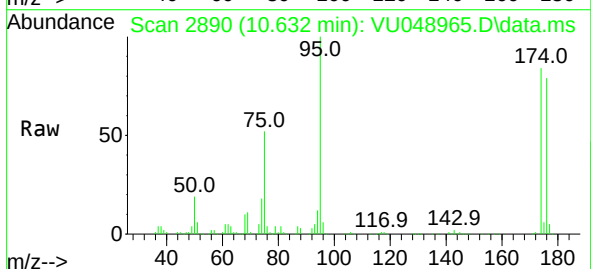
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

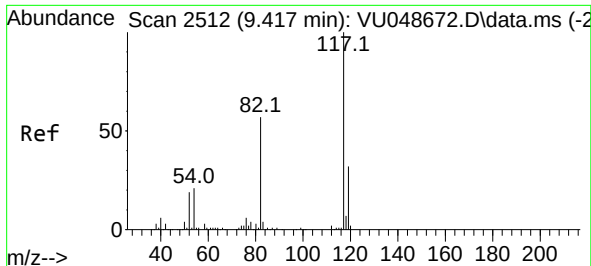
Tgt Ion: 98 Resp: 477392
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.4



#62
4-Bromofluorobenzene
Concen: 41.942 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 95 Resp: 163653
Ion Ratio Lower Upper
95 100
174 83.1 0.0 159.4
176 78.9 0.0 152.4

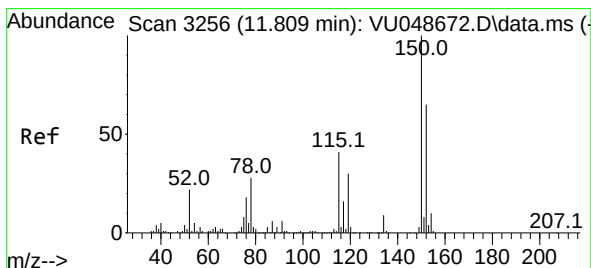
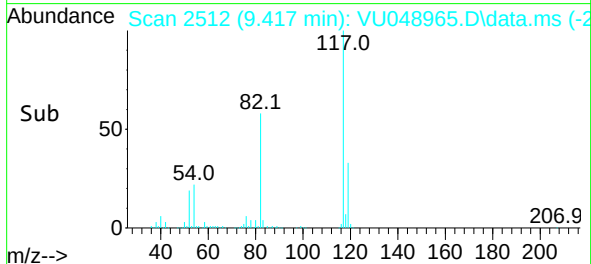
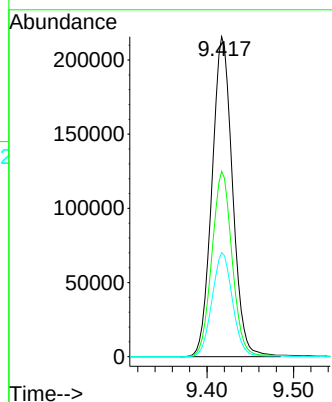
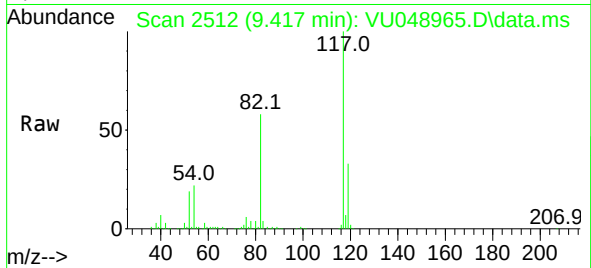




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

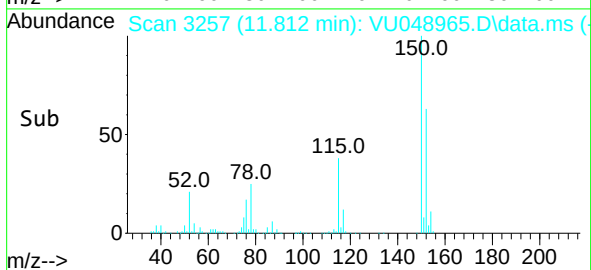
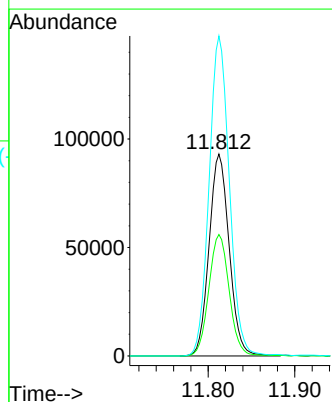
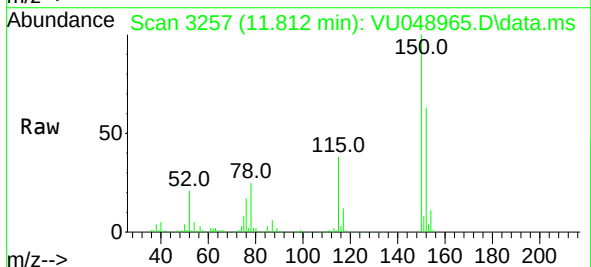
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

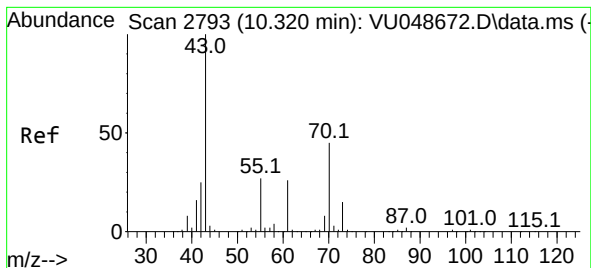
Tgt Ion:117 Resp: 356002
Ion Ratio Lower Upper
117 100
82 57.9 45.3 67.9
119 32.5 25.4 38.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.003 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion:152 Resp: 150346
Ion Ratio Lower Upper
152 100
115 60.8 41.8 125.4
150 159.1 0.0 341.0





#74

N-amy1 acetate

Concen: 2.477 ug/l

RT: 10.330 min Scan# 21

Delta R.T. 0.010 min

Lab File: VU048965.D

Acq: 08 Jun 2022 16:17

Instrument :

MSVOA_U

ClientSampleId :

DUP10-20220601

Tgt Ion: 43 Resp: 52

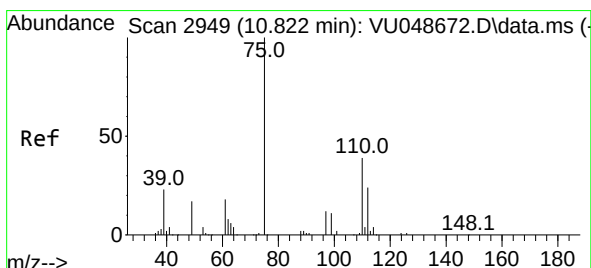
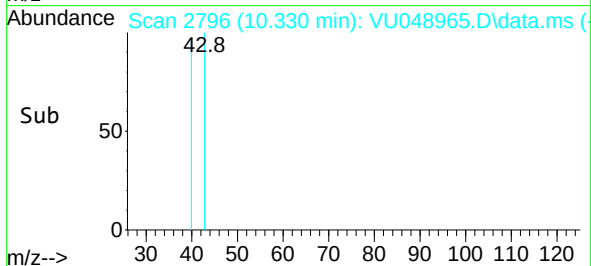
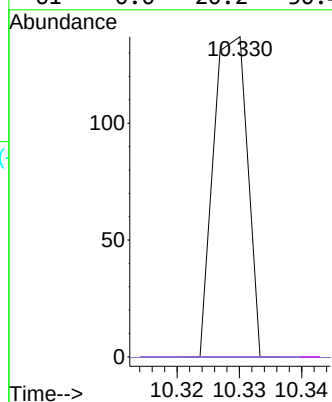
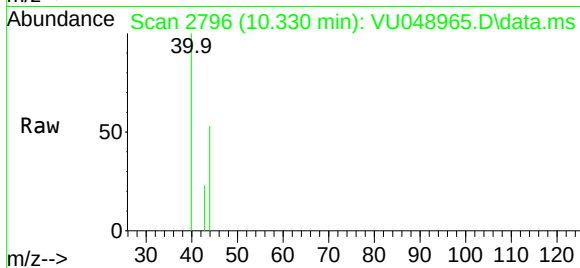
Ion Ratio Lower Upper

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: 17.605 ug/l

RT: 10.632 min Scan# 2890

Delta R.T. -0.190 min

Lab File: VU048965.D

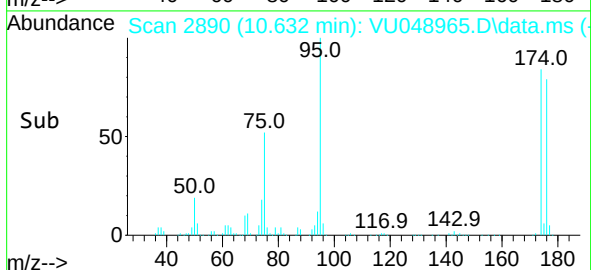
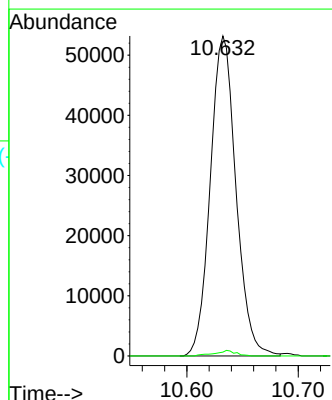
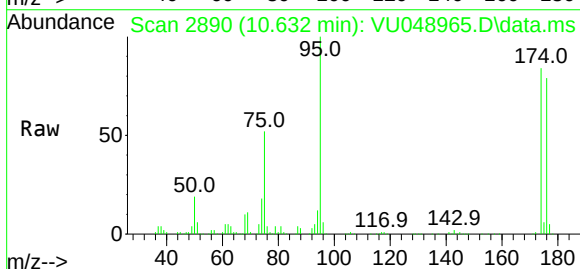
Acq: 08 Jun 2022 16:17

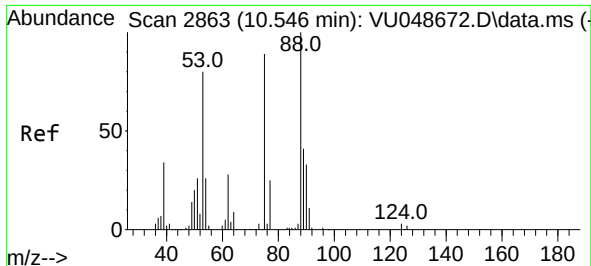
Tgt Ion: 75 Resp: 85340

Ion Ratio Lower Upper

75 100

77 1.4 14.8 44.3#

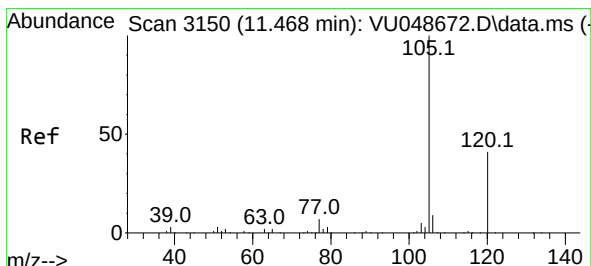
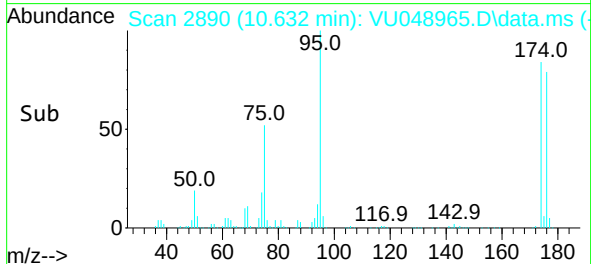
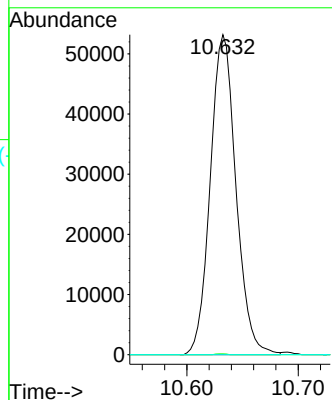
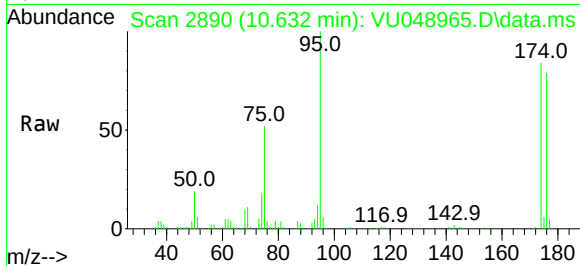




#81
trans-1,4-Dichloro-2-butene
Concen: 63.921 ug/l
RT: 10.632 min Scan# 2863
Delta R.T. 0.087 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

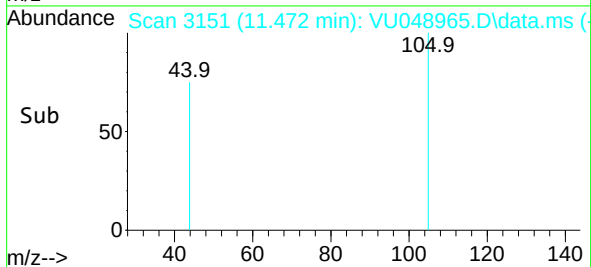
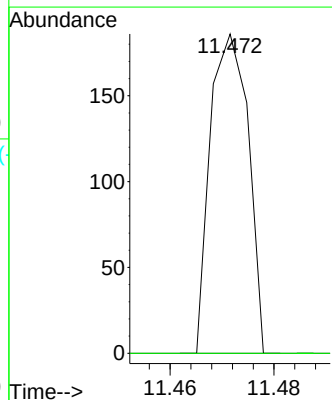
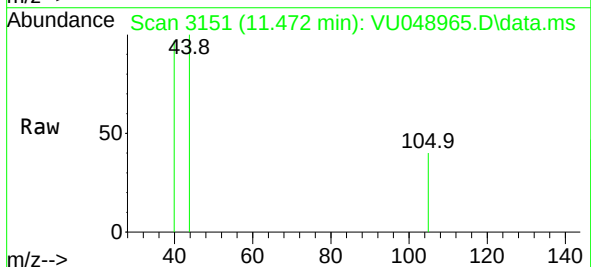
Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

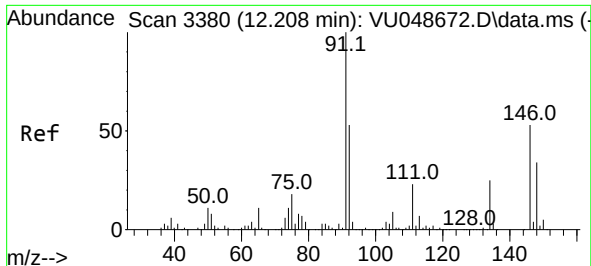
Tgt Ion: 75 Resp: 85340
Ion Ratio Lower Upper
75 100
53 0.1 72.5 108.7#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 1.197 ug/l
RT: 11.472 min Scan# 3151
Delta R.T. 0.004 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 105 Resp: 94
Ion Ratio Lower Upper
105 100
120 0.0 22.5 67.5#

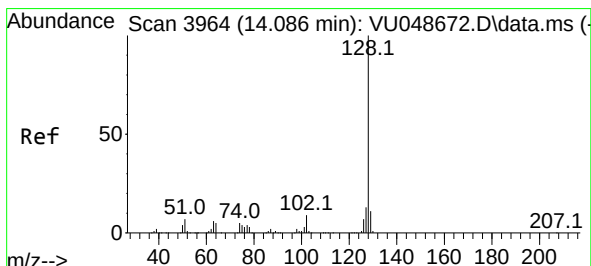
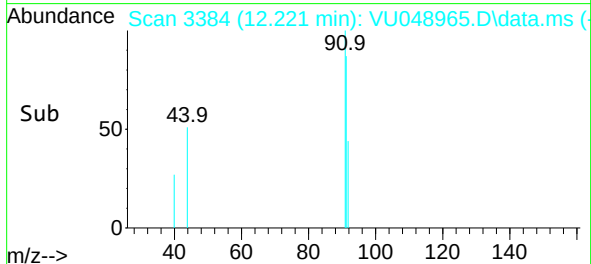
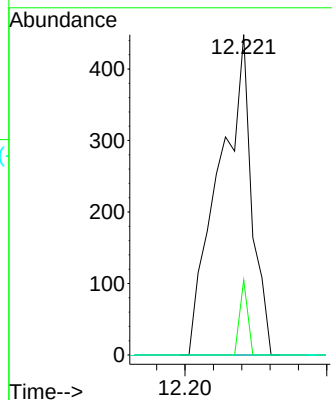
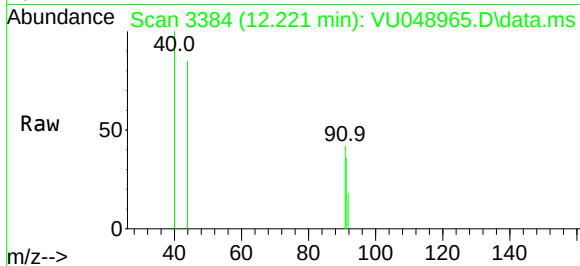




#89
n-Butylbenzene
Concen: 2.225 ug/l
RT: 12.221 min Scan# 31
Delta R.T. 0.013 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Instrument :
MSVOA_U
ClientSampleId :
DUP10-20220601

Tgt Ion: 91 Resp: 357
Ion Ratio Lower Upper
91 100
92 5.6 25.9 77.8#
134 0.0 12.5 37.5#



#95
Naphthalene
Concen: 2.631 ug/l
RT: 14.098 min Scan# 3968
Delta R.T. 0.012 min
Lab File: VU048965.D
Acq: 08 Jun 2022 16:17

Tgt Ion: 128 Resp: 1227
Ion Ratio Lower Upper
128 100
127 12.0 10.2 15.4
129 0.0 8.7 13.1#

