

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111021\
 Data File : VU045697.D
 Acq On : 10 Nov 2021 18:49
 Operator : SY/MD
 Sample : PB140643ZHE#02
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 11 02:31:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

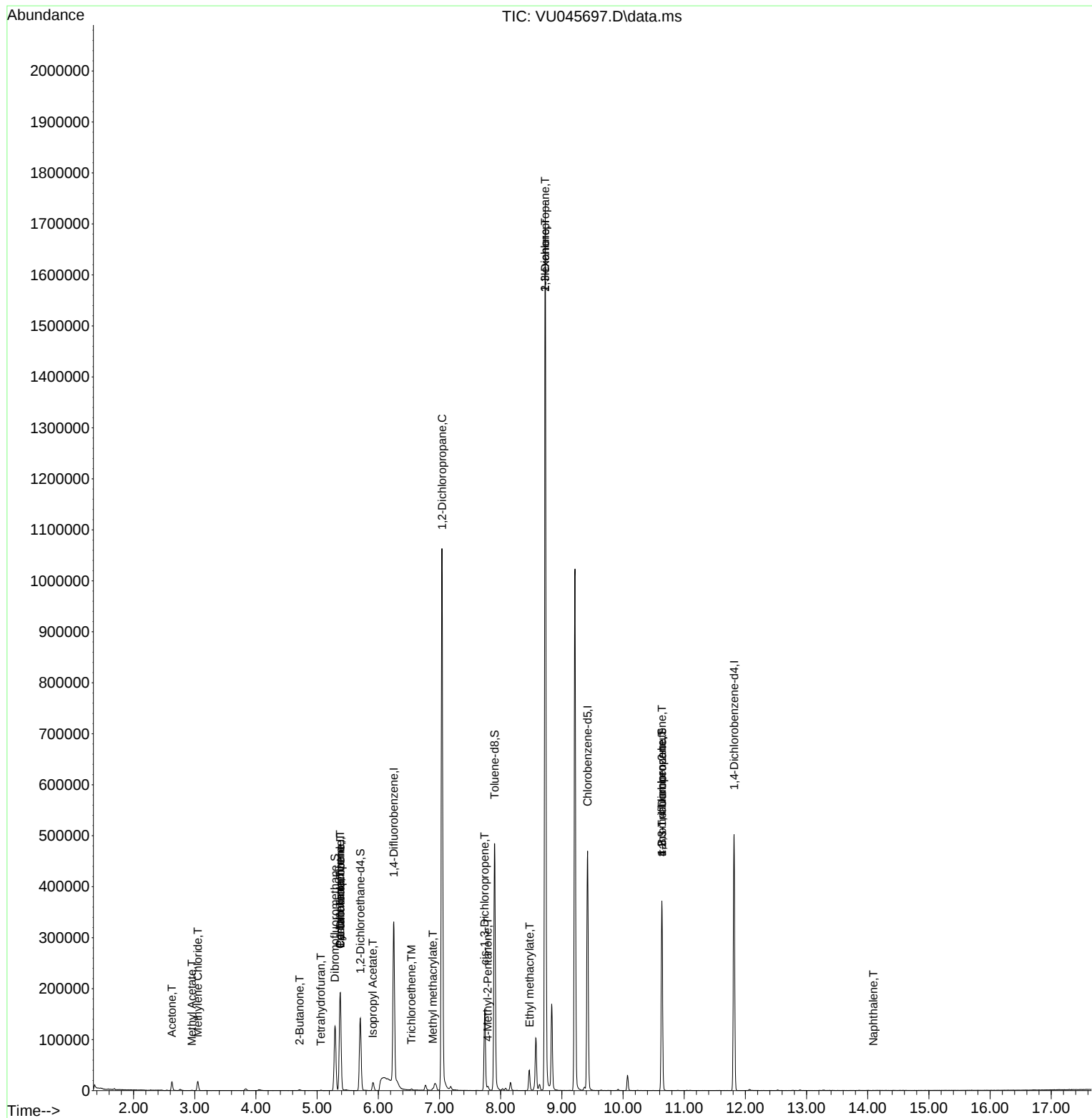
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.378	168	126824	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	246994	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	252482	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.816	152	123963	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	105359	55.472	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	110.940%
35) Dibromofluoromethane	5.292	113	81713	49.552	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	99.100%
50) Toluene-d8	7.899	98	323412	52.742	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	105.480%
62) 4-Bromofluorobenzene	10.636	95	122175	49.687	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	99.380%
Target Compounds						Qvalue
16) Acetone	2.626	43	18898	19.546	ug/l	96
18) Methyl Acetate	2.951	43	954	0.290	ug/l #	64
20) Methylene Chloride	3.051	84	8418	5.011	ug/l	96
25) 2-Butanone	4.713	43	2988	2.228	ug/l #	89
29) Tetrahydrofuran	5.060	42	587	0.716	ug/l #	55
31) Cyclohexane	5.375	56	2990	1.079	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	11250	4.671	ug/l #	50
38) Carbon Tetrachloride	5.375	117	13736	5.657	ug/l #	16
43) Isopropyl Acetate	5.912	43	17723	4.188	ug/l	99
44) Trichloroethene	6.539	130	670	0.393	ug/l	98
45) 1,2-Dichloropropane	7.044	63	1263	0.669	ug/l #	43
48) Methyl methacrylate	6.893	41	4936	2.534	ug/l #	13
51) 4-Methyl-2-Pentanone	7.790	43	5046	1.808	ug/l	87
54) cis-1,3-Dichloropropene	7.739	75	28515	9.417	ug/l #	63
56) Ethyl methacrylate	8.472	69	168	2.473	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	17529	5.379	ug/l #	42
59) 2-Hexanone	8.729	43	222231	96.274	ug/l #	50
76) 1,2,3-Trichloropropane	10.636	75	64705	17.212	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.636	75	64705	56.003	ug/l #	12
95) Naphthalene	14.092	128	358	1.064	ug/l #	69

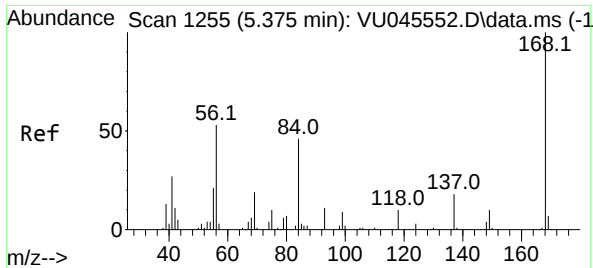
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

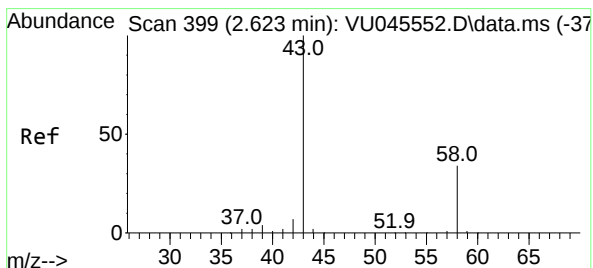
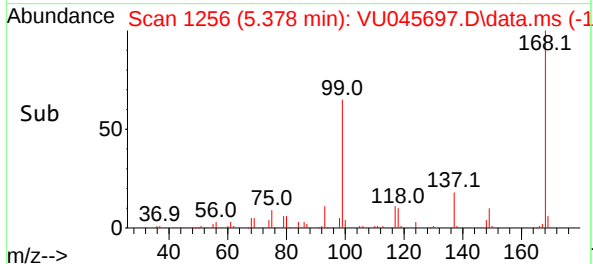
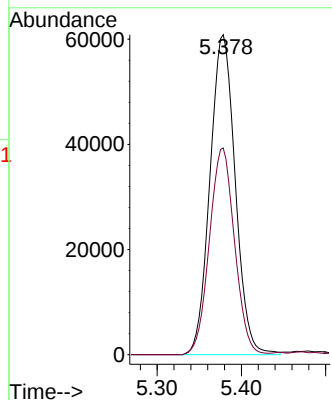
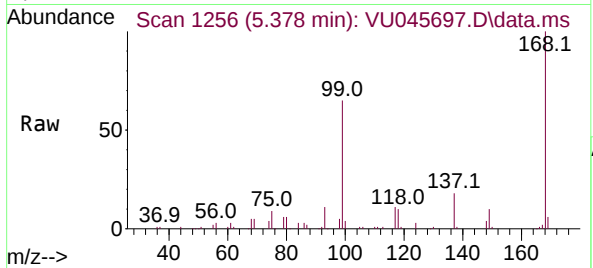




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

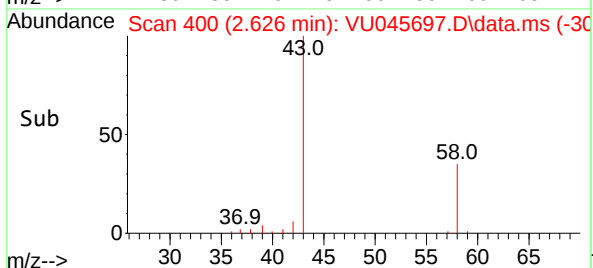
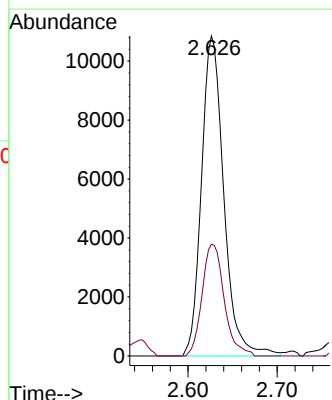
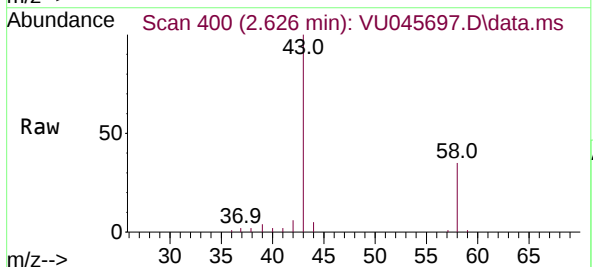
Instrument :
MSVOA_U
ClientSampleId :

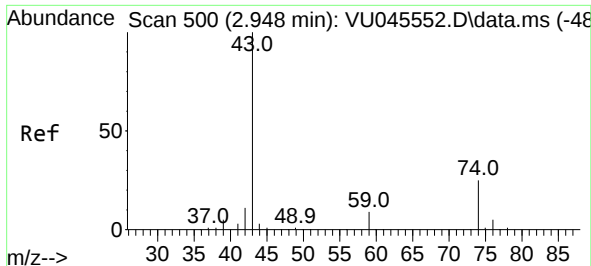
Tgt Ion:168 Resp: 126824
Ion Ratio Lower Upper
168 100
99 64.6 51.0 76.6



#16
Acetone
Concen: 19.546 ug/l
RT: 2.626 min Scan# 400
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 43 Resp: 18898
Ion Ratio Lower Upper
43 100
58 34.9 26.2 39.2

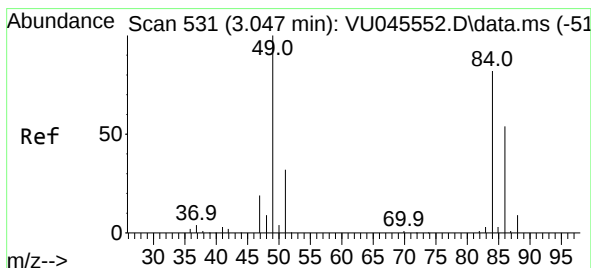
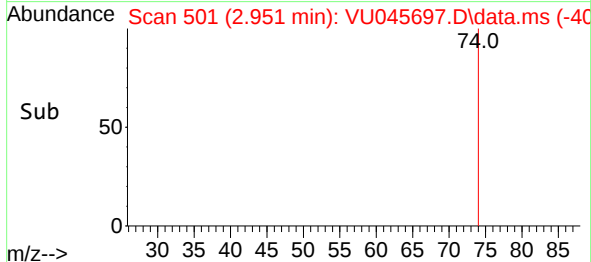
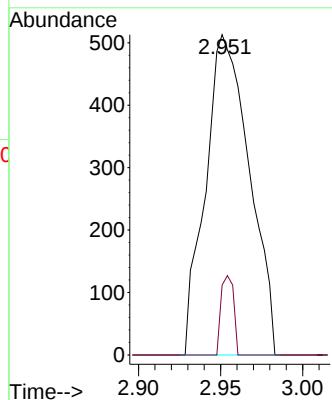
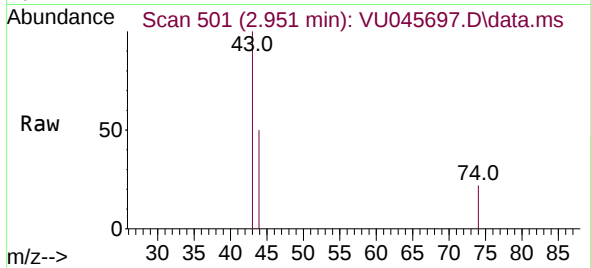




#18
Methyl Acetate
Concen: 0.290 ug/l
RT: 2.951 min Scan# 501
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

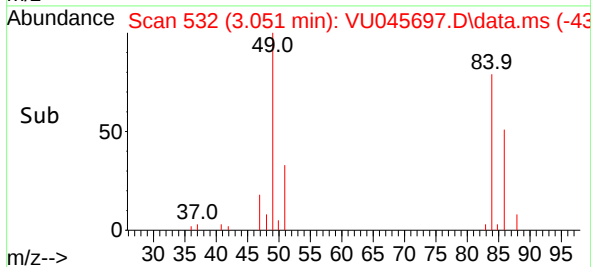
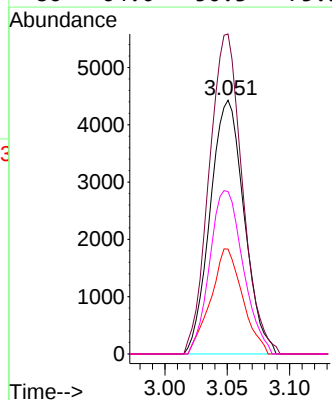
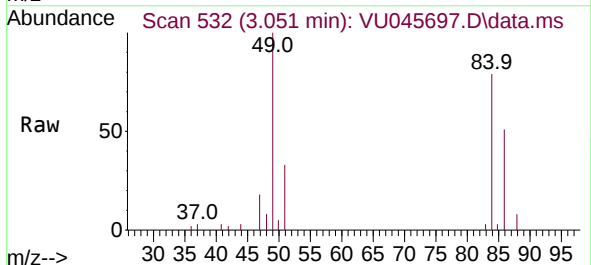
Instrument :
MSVOA_U
ClientSampleId :

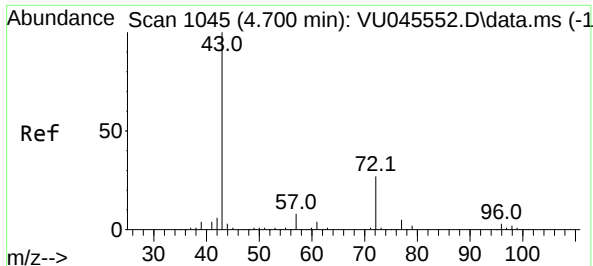
Tgt Ion: 43 Resp: 954
Ion Ratio Lower Upper
43 100
74 7.1 20.2 30.2#



#20
Methylene Chloride
Concen: 5.011 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 84 Resp: 8418
Ion Ratio Lower Upper
84 100
49 126.1 96.4 144.6
51 41.3 30.5 45.7
86 64.0 50.3 75.5





#25

2-Butanone

Concen: 2.228 ug/l

RT: 4.713 min Scan# 1049

Delta R.T. 0.013 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

Instrument :

MSVOA_U

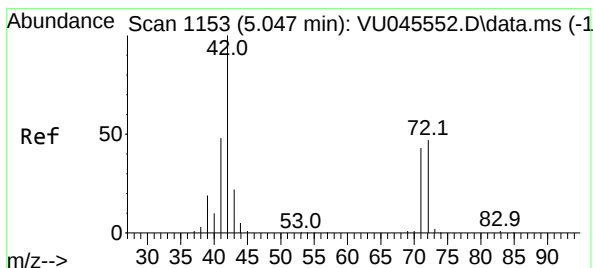
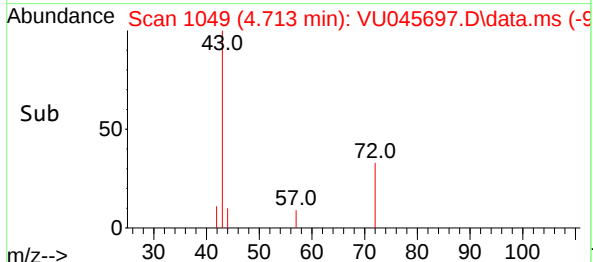
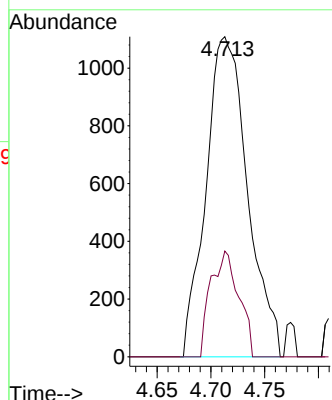
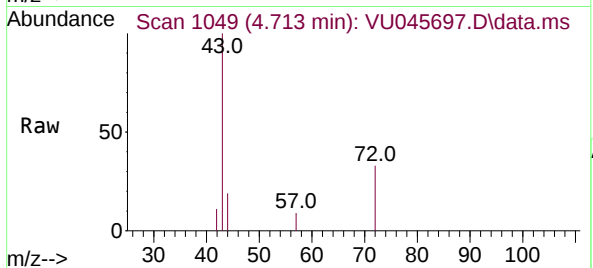
ClientSampleId :

Tgt Ion: 43 Resp: 2988

Ion Ratio Lower Upper

43 100

72 33.0 22.0 33.0#



#29

Tetrahydrofuran

Concen: 0.716 ug/l

RT: 5.060 min Scan# 1157

Delta R.T. 0.013 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

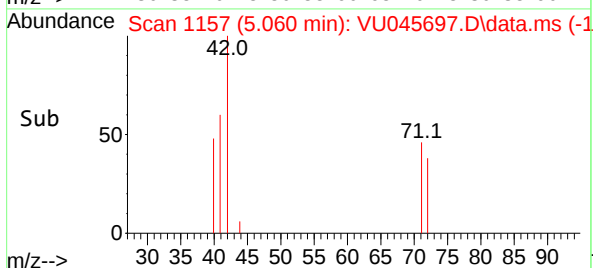
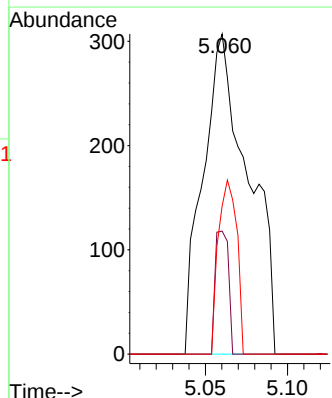
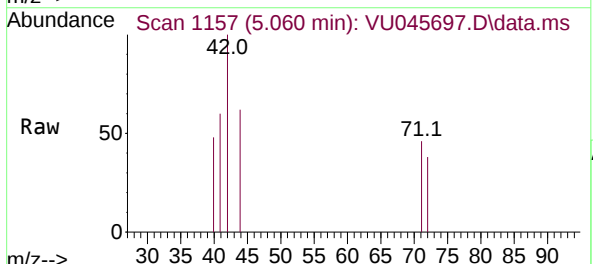
Tgt Ion: 42 Resp: 587

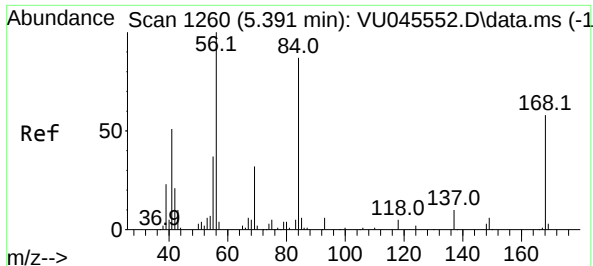
Ion Ratio Lower Upper

42 100

72 11.2 38.2 57.4#

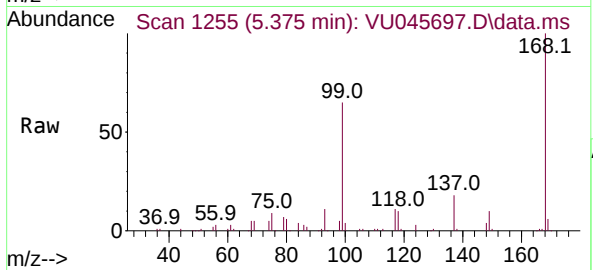
71 22.1 35.4 53.2#



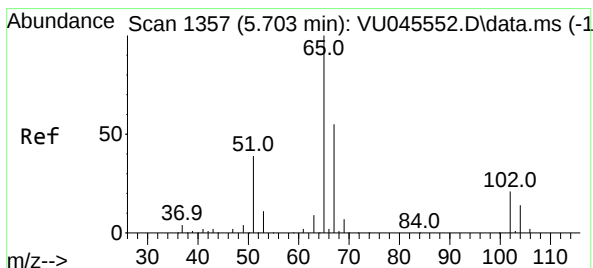
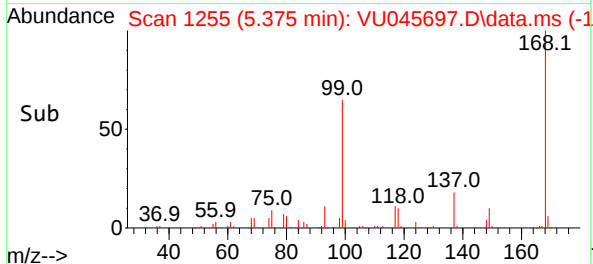
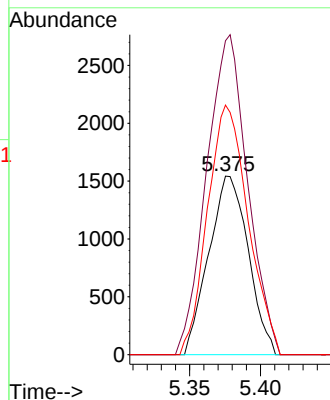


#31
Cyclohexane
Concen: 1.079 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.016 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Instrument :
MSVOA_U
ClientSampleId :

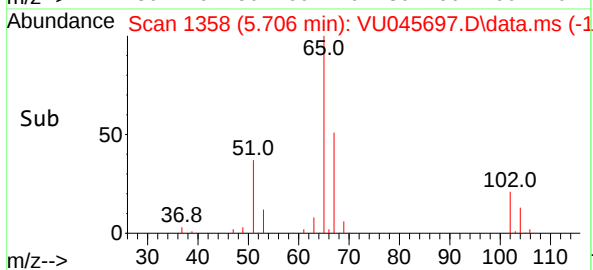
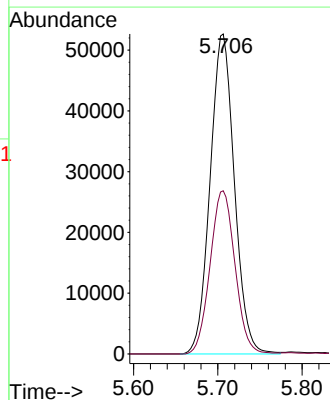
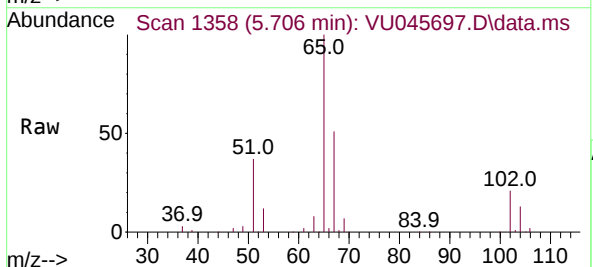


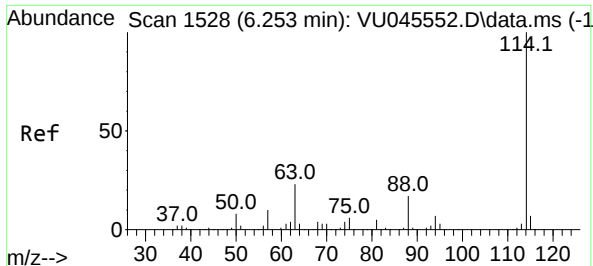
Tgt Ion: 56 Resp: 2990
Ion Ratio Lower Upper
56 100
69 175.8 26.4 39.6#
84 139.7 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 55.472 ug/l
RT: 5.706 min Scan# 1358
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 65 Resp: 105359
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.8

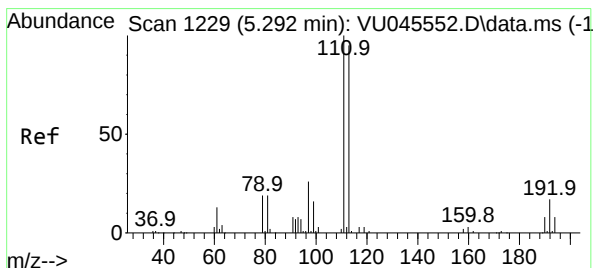
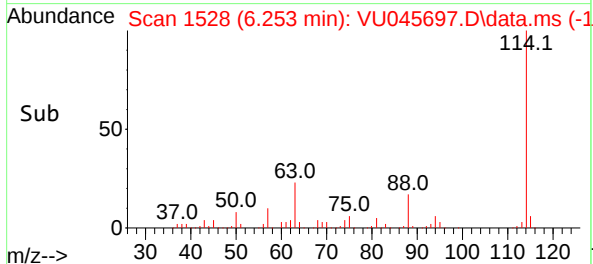
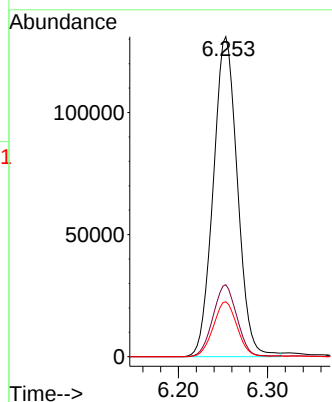
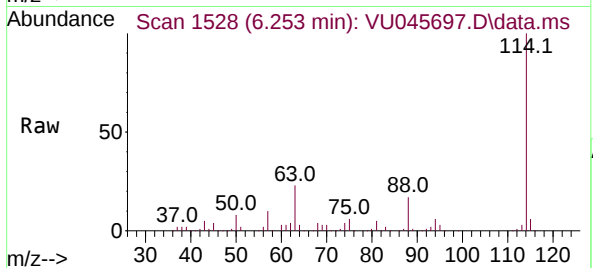




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.253 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

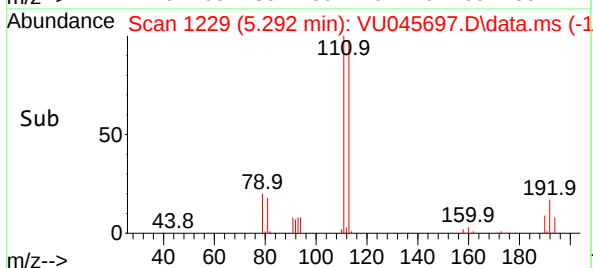
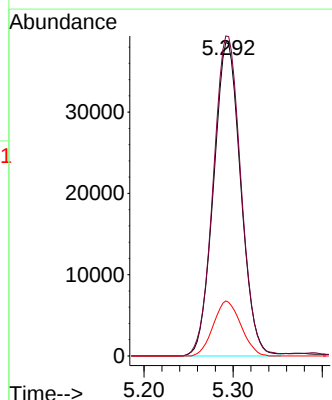
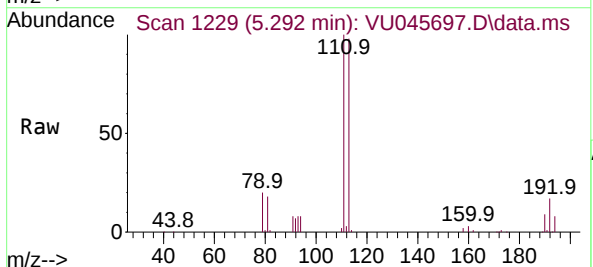
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MSVOA_U
ClientSampleId :

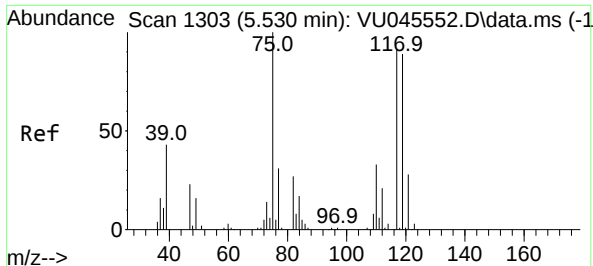
Tgt Ion:114 Resp: 246994
Ion Ratio Lower Upper
114 100
63 22.5 0.0 45.6
88 17.2 0.0 33.8



#35
Dibromofluoromethane
Concen: 49.552 ug/l
RT: 5.292 min Scan# 1229
Delta R.T. -0.000 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion:113 Resp: 81713
Ion Ratio Lower Upper
113 100
111 103.6 82.8 124.2
192 17.7 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 5.378 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

Instrument :

MSVOA_U

ClientSampleId :

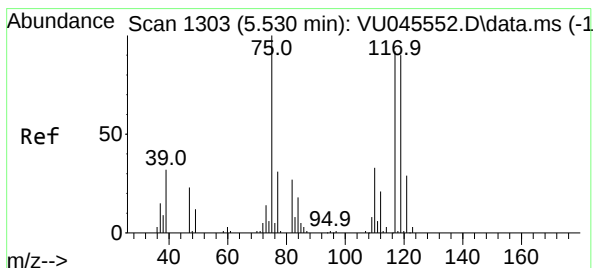
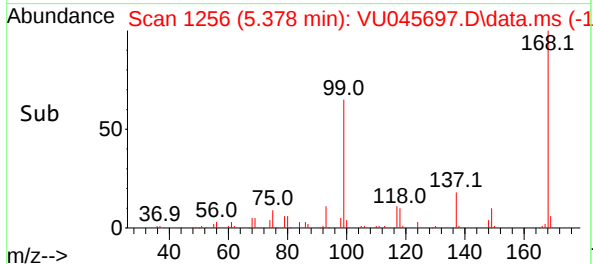
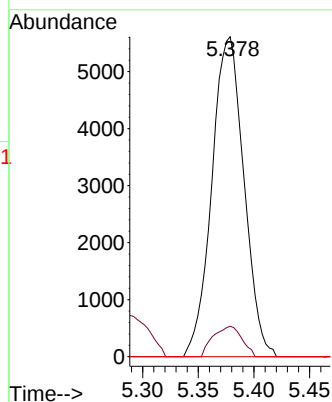
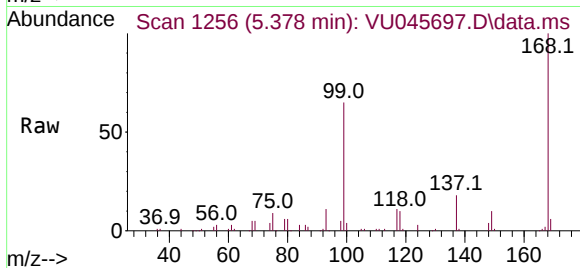
Tgt Ion: 75 Resp: 11250

Ion Ratio Lower Upper

75 100

110 8.5 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.657 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

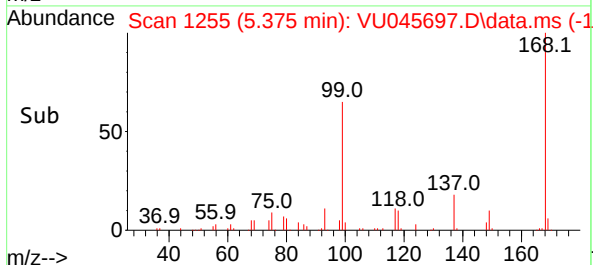
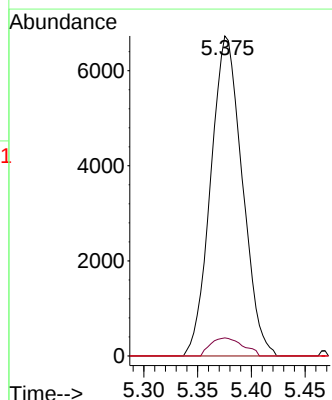
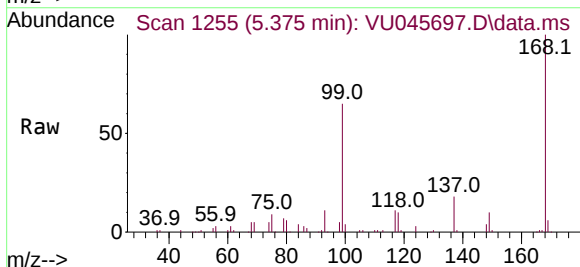
Tgt Ion: 117 Resp: 13736

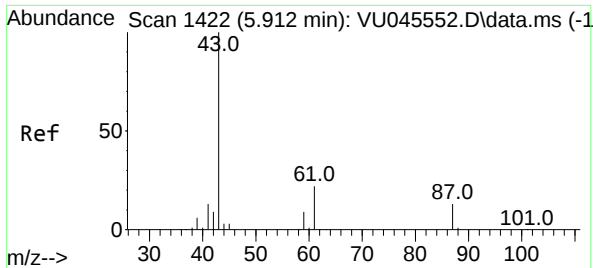
Ion Ratio Lower Upper

117 100

119 5.6 77.4 116.0#

121 0.0 24.8 37.2#

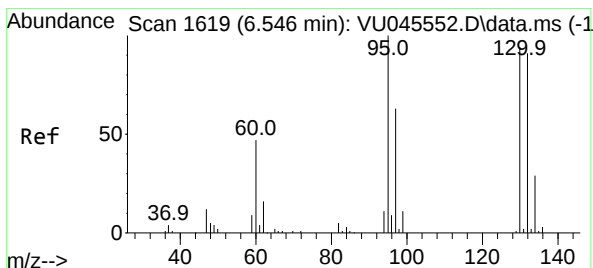
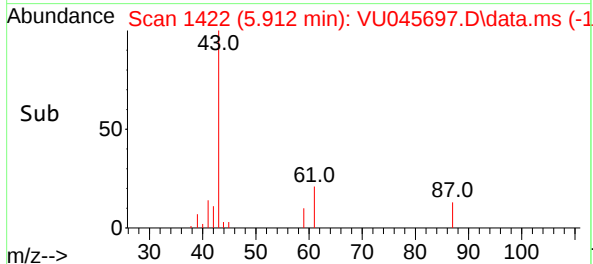
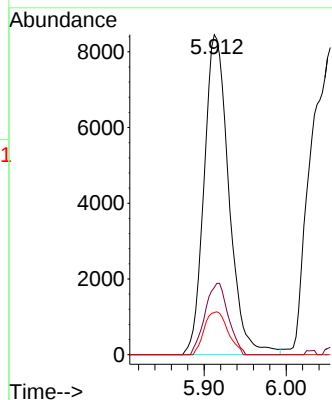
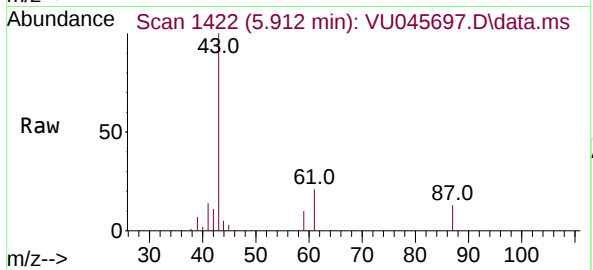




#43
Isopropyl Acetate
Concen: 4.188 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

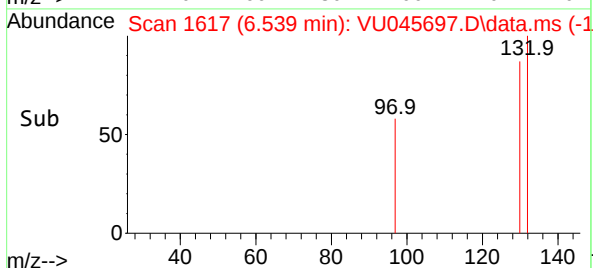
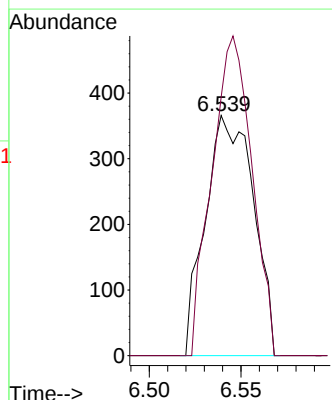
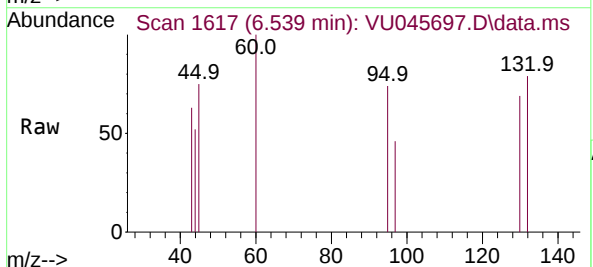
Instrument :
MSVOA_U
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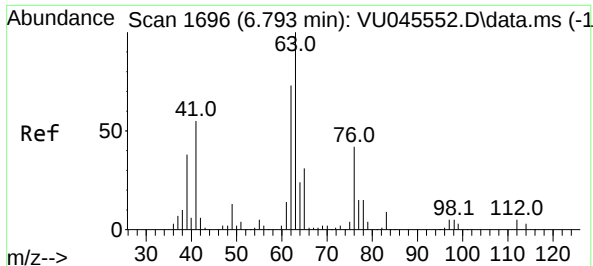
Tgt Ion: 43	Resp: 17723
Ion Ratio	Lower Upper
43 100	
61 21.0	16.9 25.3
87 12.7	11.0 16.4



#44
Trichloroethene
Concen: 0.393 ug/l
RT: 6.539 min Scan# 1617
Delta R.T. -0.006 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion:130	Resp:	670	
Ion	Ratio	Lower	Upper
130	100		
95	107.7	0.0	211.4





#45

1,2-Dichloropropane

Concen: 0.669 ug/l

RT: 7.044 min Scan# 11

Delta R.T. 0.251 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

Instrument :

MSVOA_U

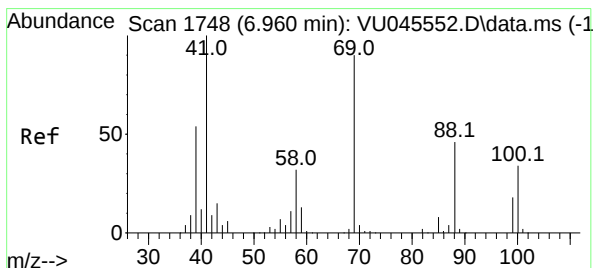
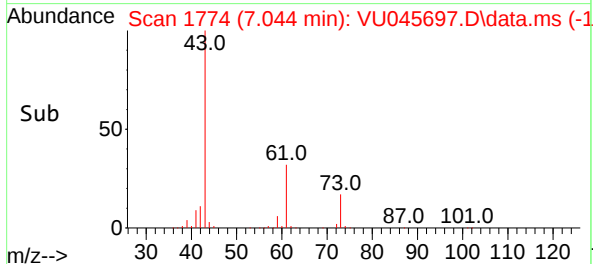
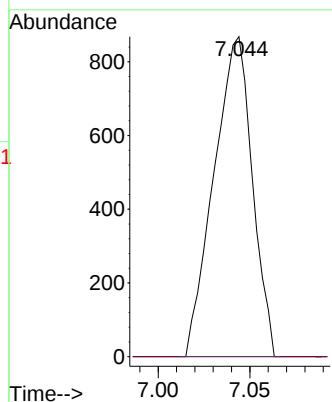
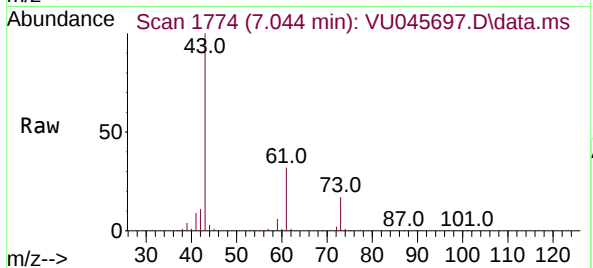
ClientSampleId :

Tgt Ion: 63 Resp: 1263

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.534 ug/l

RT: 6.893 min Scan# 1727

Delta R.T. -0.068 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

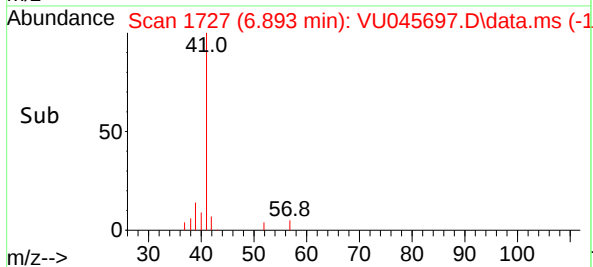
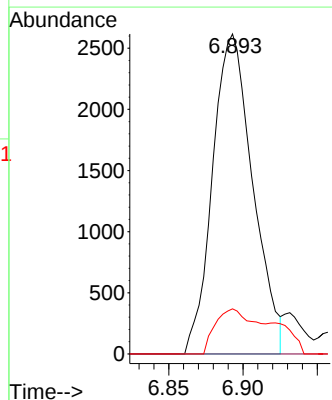
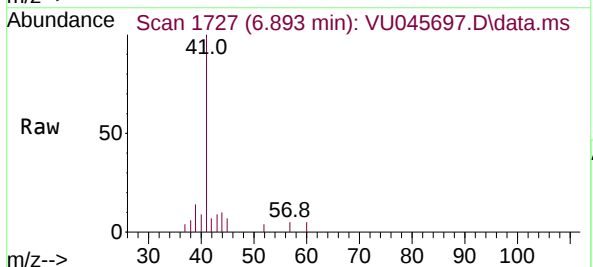
Tgt Ion: 41 Resp: 4936

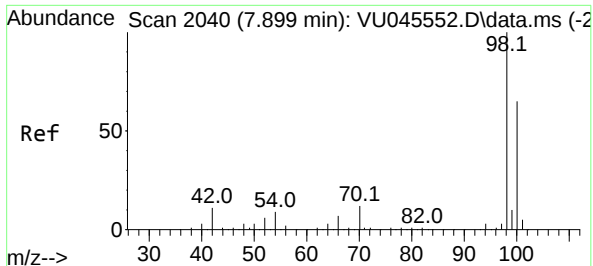
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#

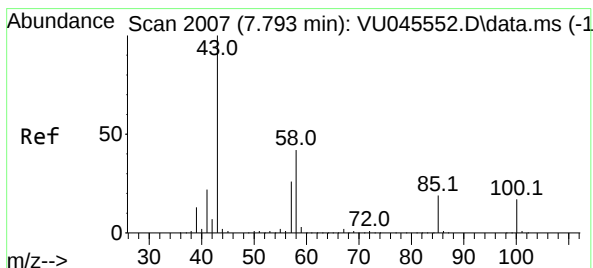
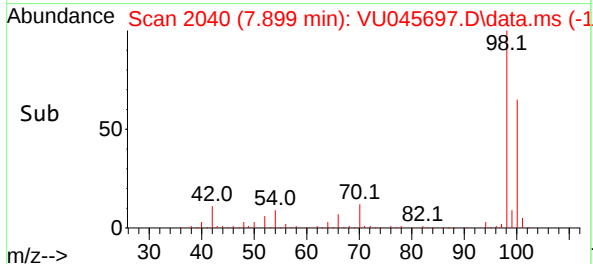
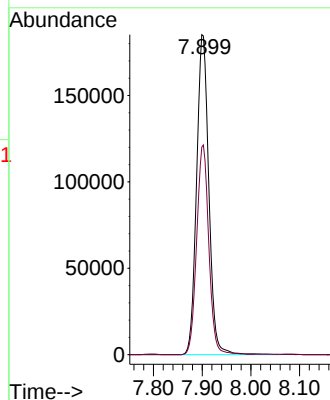
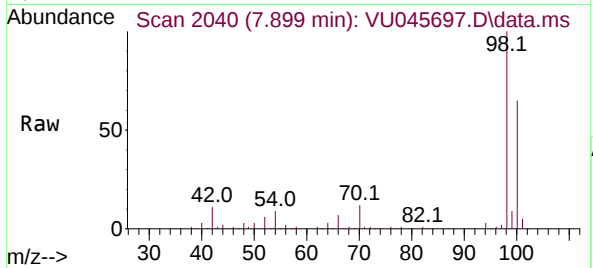




#50
Toluene-d8
Concen: 52.742 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.000 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

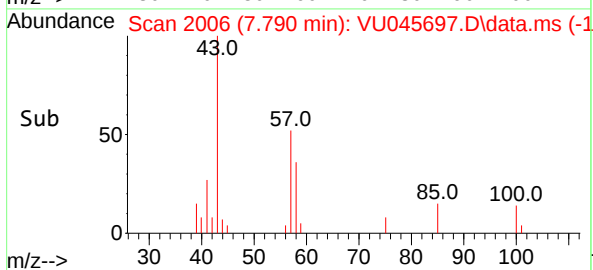
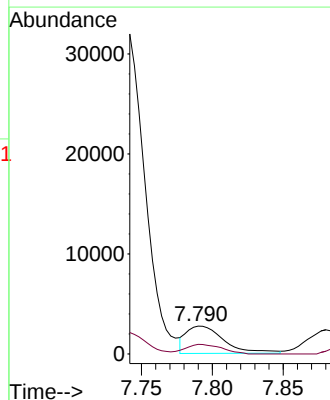
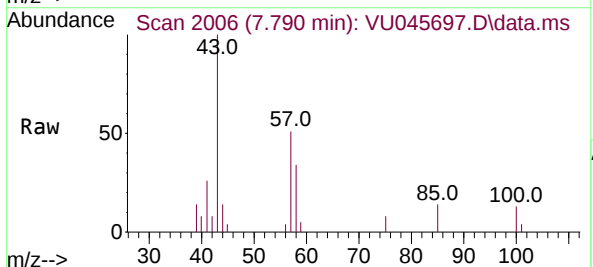
Instrument :
MSVOA_U
ClientSampleId :

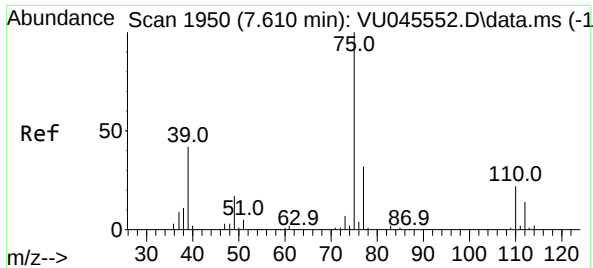
Tgt Ion: 98 Resp: 323412
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#51
4-Methyl-2-Pentanone
Concen: 1.808 ug/l
RT: 7.790 min Scan# 2006
Delta R.T. -0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 43 Resp: 5046
Ion Ratio Lower Upper
43 100
58 34.1 33.8 50.8

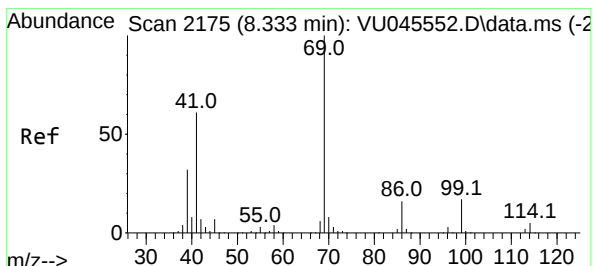
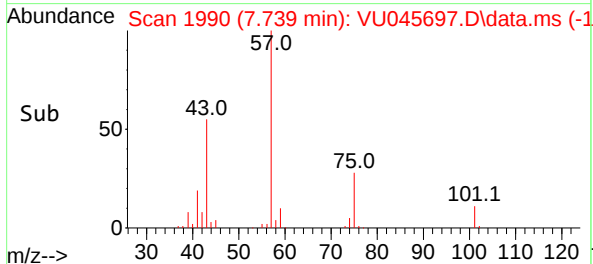
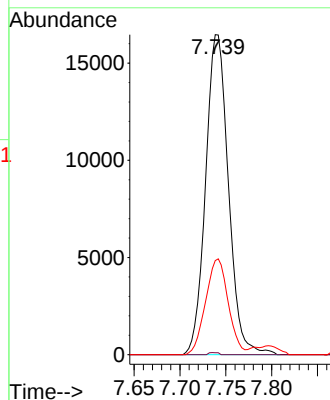
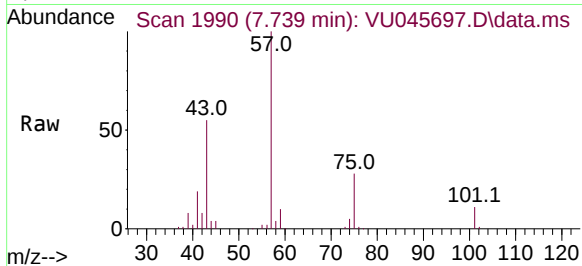




#54
 cis-1,3-Dichloropropene
 Concen: 9.417 ug/l
 RT: 7.739 min Scan# 1950
 Delta R.T. 0.129 min
 Lab File: VU045697.D
 Acq: 10 Nov 2021 18:49

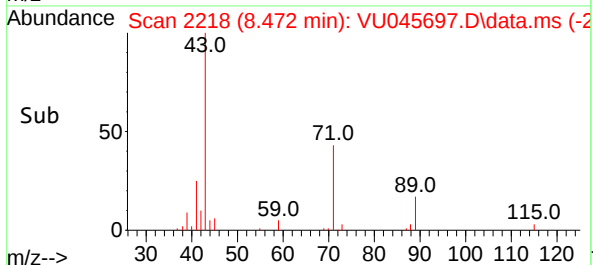
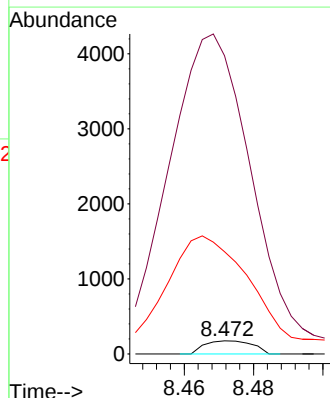
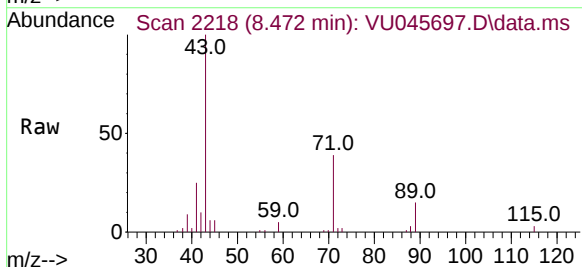
Instrument :
 MSVOA_U
 ClientSampleId :

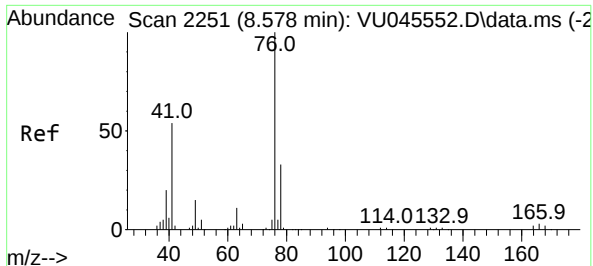
Tgt Ion: 75 Resp: 28515
 Ion Ratio Lower Upper
 75 100
 77 0.6 24.6 37.0#
 39 29.4 37.1 55.7#



#56
 Ethyl methacrylate
 Concen: 2.473 ug/l
 RT: 8.472 min Scan# 2218
 Delta R.T. 0.139 min
 Lab File: VU045697.D
 Acq: 10 Nov 2021 18:49

Tgt Ion: 69 Resp: 168
 Ion Ratio Lower Upper
 69 100
 41 4379.8 51.0 76.4#
 39 1703.6 26.6 39.8#





#57

1,3-Dichloropropane

Concen: 5.379 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.151 min

Lab File: VU045697.D

Acq: 10 Nov 2021 18:49

Instrument :

MSVOA_U

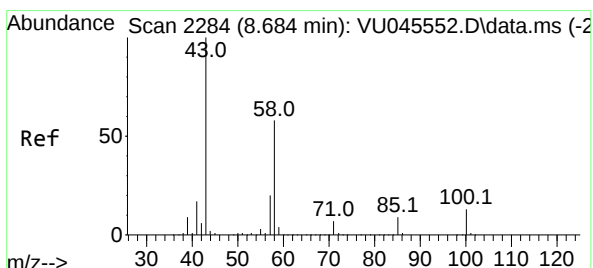
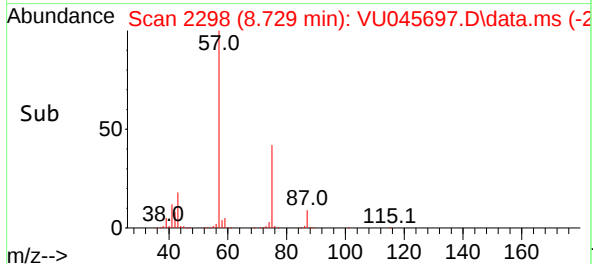
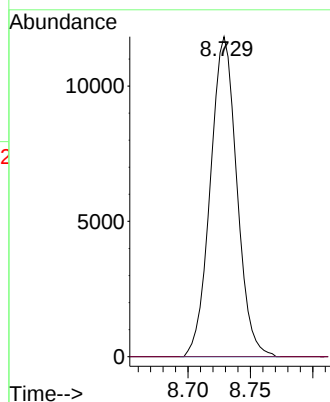
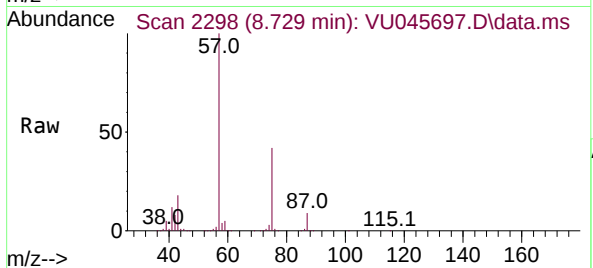
ClientSampleId :

Tgt Ion: 76 Resp: 17529

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 96.274 ug/l

RT: 8.729 min Scan# 2298

Delta R.T. 0.045 min

Lab File: VU045697.D

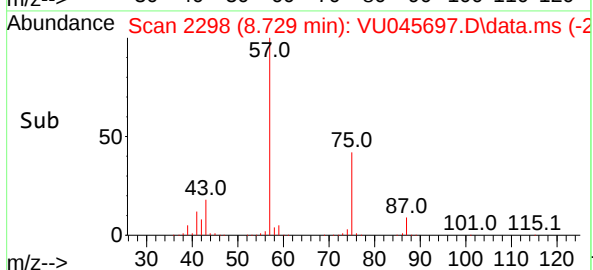
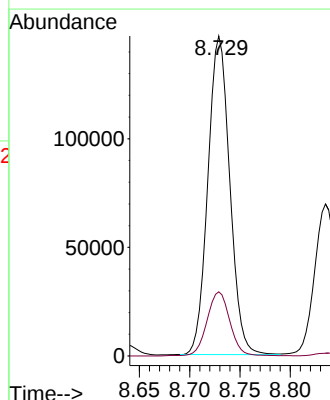
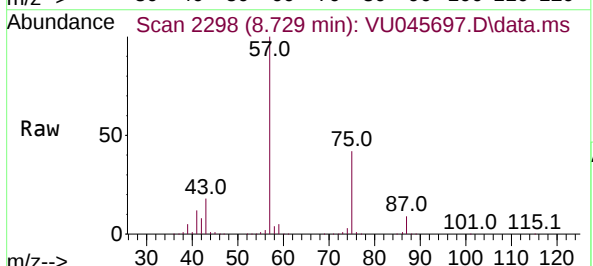
Acq: 10 Nov 2021 18:49

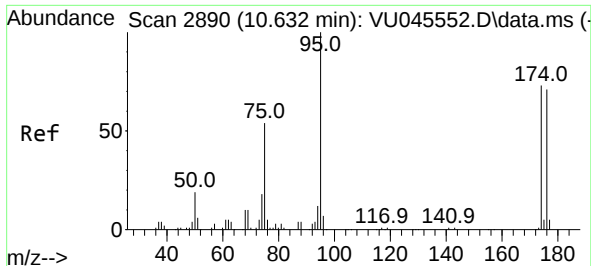
Tgt Ion: 43 Resp: 222231

Ion Ratio Lower Upper

43 100

58 21.2 29.5 88.6#

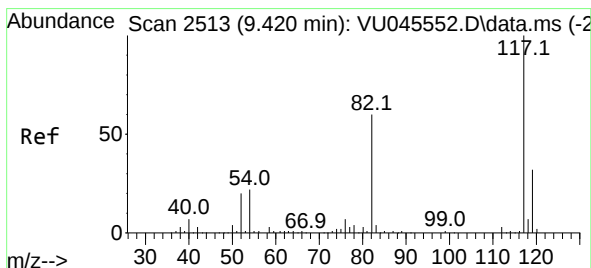
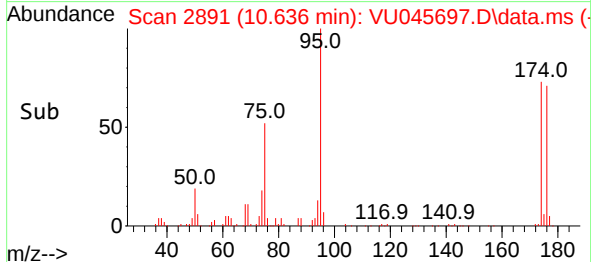
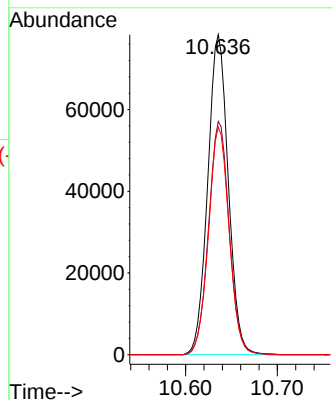
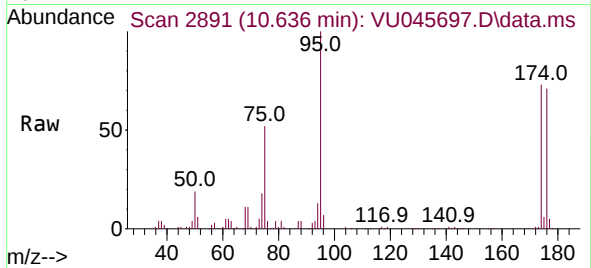




#62
4-Bromofluorobenzene
Concen: 49.687 ug/l
RT: 10.636 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

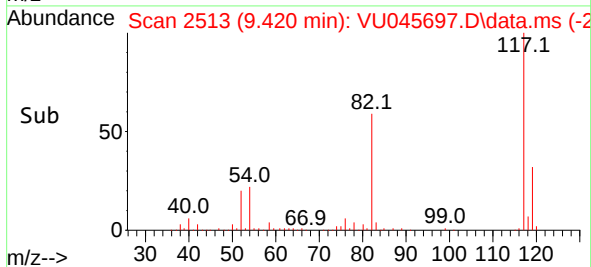
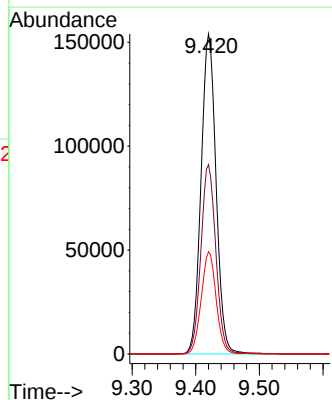
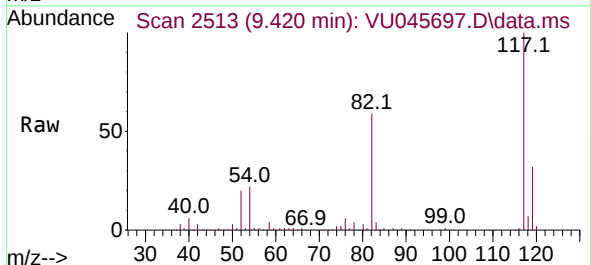
Instrument :
MSVOA_U
ClientSampleId :

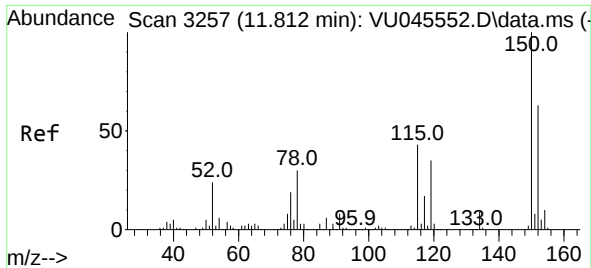
Tgt Ion: 95 Resp: 122175
Ion Ratio Lower Upper
95 100
174 73.2 0.0 141.8
176 71.1 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 2513
Delta R.T. 0.000 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 117 Resp: 252482
Ion Ratio Lower Upper
117 100
82 59.1 47.8 71.8
119 32.0 25.8 38.8

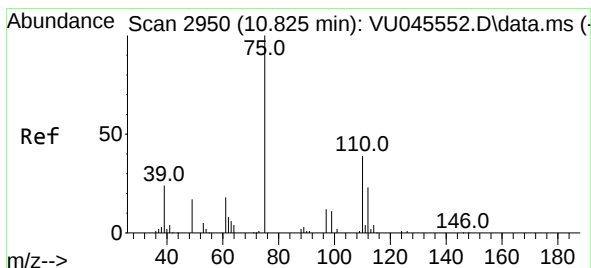
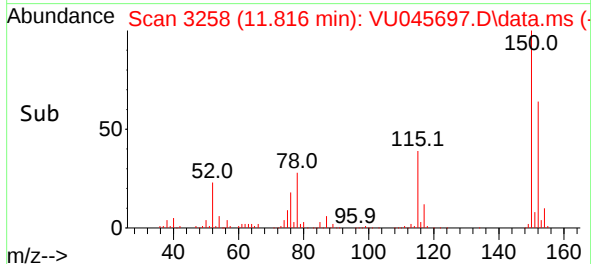
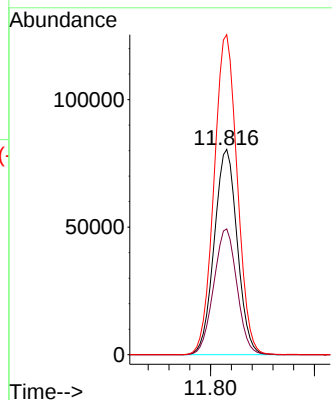
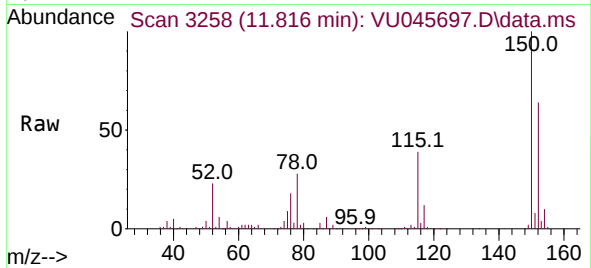




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 11.816 min Scan# 31
 Delta R.T. 0.003 min
 Lab File: VU045697.D
 Acq: 10 Nov 2021 18:49

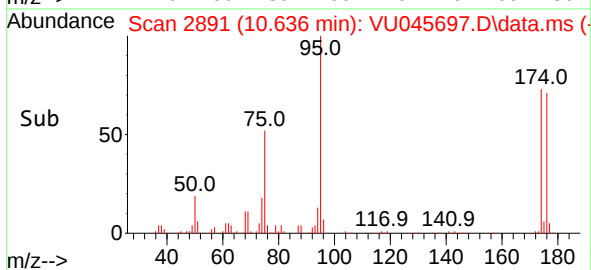
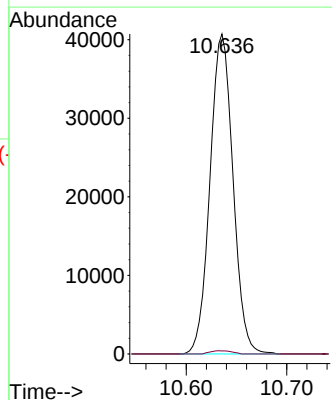
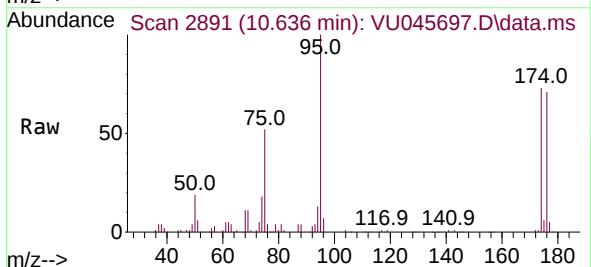
Instrument :
 MSVOA_U
 ClientSampleId :

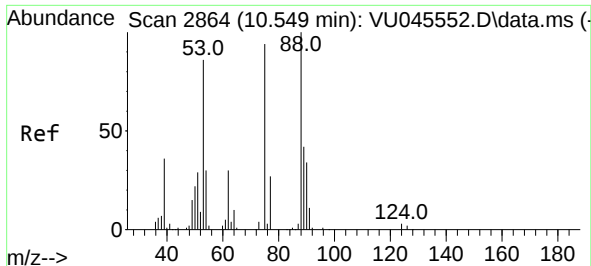
Tgt Ion:152 Resp: 123963
 Ion Ratio Lower Upper
 152 100
 115 61.9 42.7 128.1
 150 156.7 0.0 346.8



#76
 1,2,3-Trichloropropane
 Concen: 17.212 ug/l
 RT: 10.636 min Scan# 2891
 Delta R.T. -0.190 min
 Lab File: VU045697.D
 Acq: 10 Nov 2021 18:49

Tgt Ion: 75 Resp: 64705
 Ion Ratio Lower Upper
 75 100
 77 0.9 17.1 51.3#

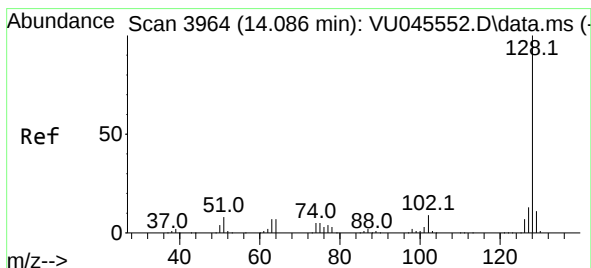
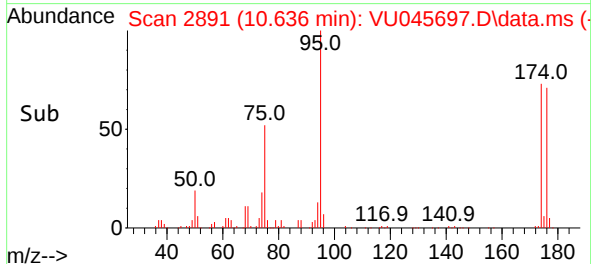
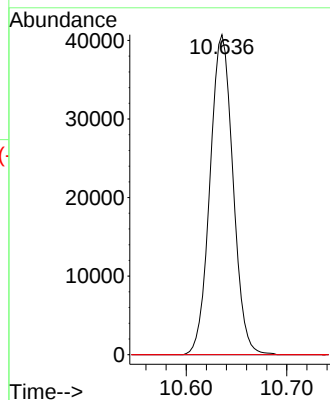
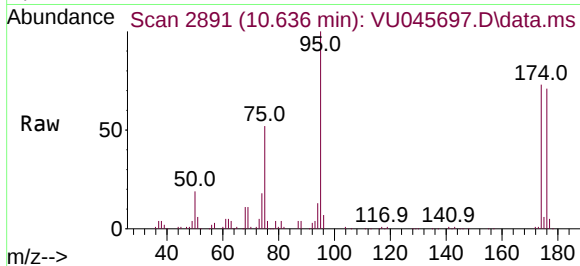




#81
trans-1,4-Dichloro-2-butene
Concen: 56.003 ug/l
RT: 10.636 min Scan# 21
Delta R.T. 0.087 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 64705
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.064 ug/l
RT: 14.092 min Scan# 3966
Delta R.T. 0.006 min
Lab File: VU045697.D
Acq: 10 Nov 2021 18:49

Tgt Ion: 128 Resp: 358
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

