

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU111221\
 Data File : VU045773.D
 Acq On : 12 Nov 2021 16:44
 Operator : SY/MD
 Sample : M4668-03
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 15 05:21:22 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)

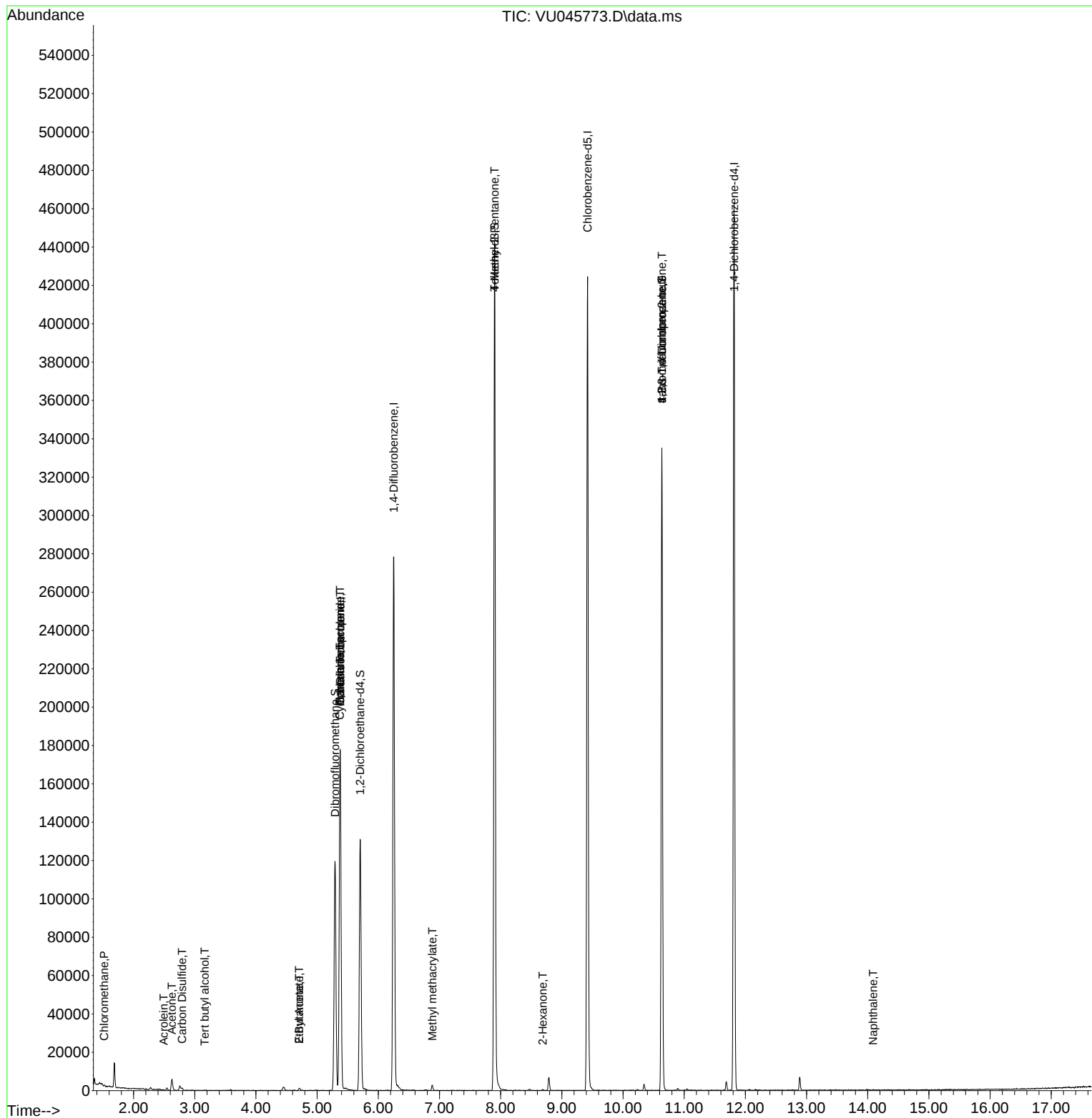
Internal Standards						
1) Pentafluorobenzene	5.378	168	117196	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	219805	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	231034	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	116177	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	96638	55.060	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 110.120%	
35) Dibromofluoromethane	5.292	113	77379	52.728	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.460%	
50) Toluene-d8	7.902	98	291544	53.426	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 106.860%	
62) 4-Bromofluorobenzene	10.635	95	110330	50.420	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.840%	
Target Compounds						Qvalue
3) Chloromethane	1.520	50	465	0.267	ug/l	99
11) Tert butyl alcohol	3.163	59	97	0.279	ug/l #	72
13) Acrolein	2.494	56	43	0.854	ug/l #	14
16) Acetone	2.626	43	6598	7.385	ug/l	98
17) Carbon Disulfide	2.793	76	1561	0.432	ug/l #	93
25) 2-Butanone	4.706	43	1902	1.535	ug/l	99
31) Cyclohexane	5.372	56	2798	1.093	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10479	4.889	ug/l #	50
37) Ethyl Acetate	4.706	43	1902	0.773	ug/l #	67
38) Carbon Tetrachloride	5.375	117	12618	5.840	ug/l #	17
48) Methyl methacrylate	6.883	41	603	0.348	ug/l #	38
51) 4-Methyl-2-Pentanone	7.899	43	1152	0.464	ug/l #	1
59) 2-Hexanone	8.687	43	348	7.691	ug/l	84
76) 1,2,3-Trichloropropane	10.635	75	58092	16.489	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.635	75	58092	53.775	ug/l #	12
95) Naphthalene	14.089	128	232	1.053	ug/l #	69

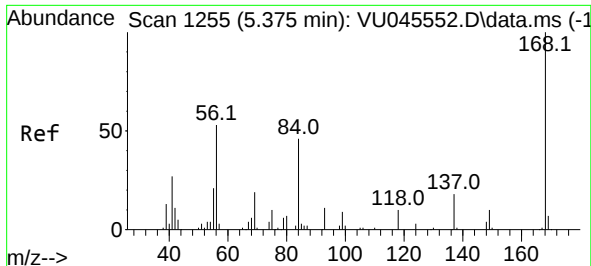
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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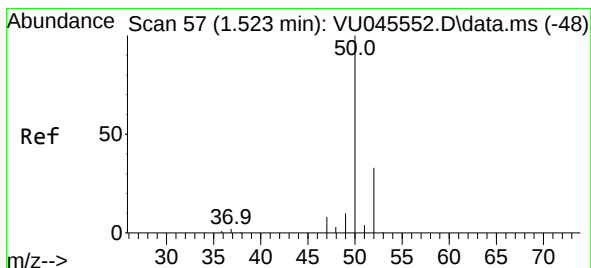
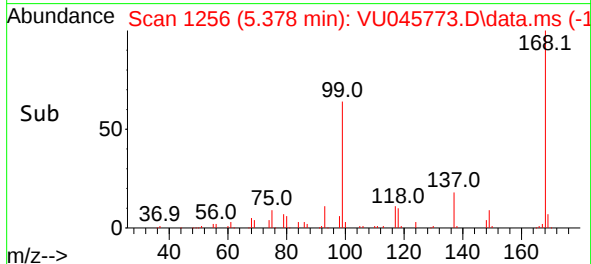
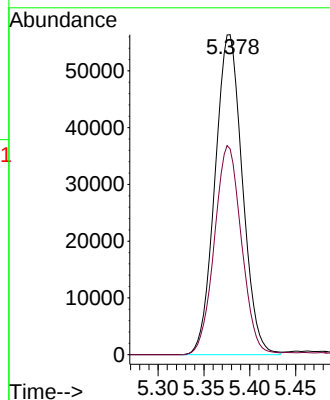
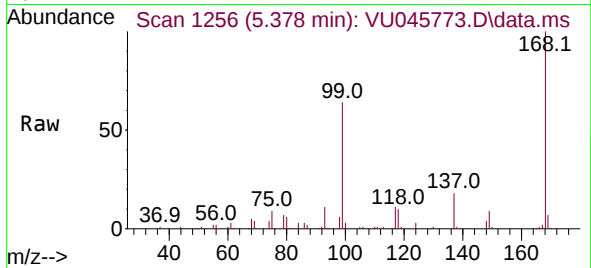




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

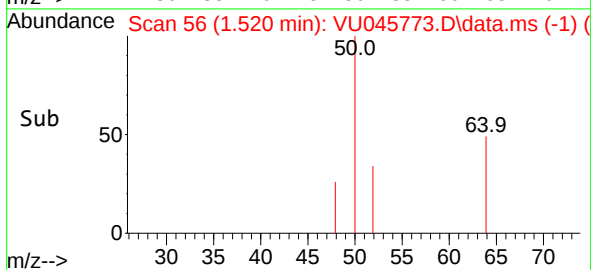
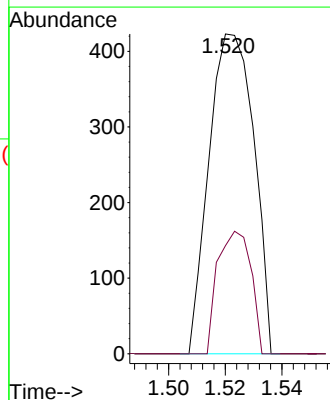
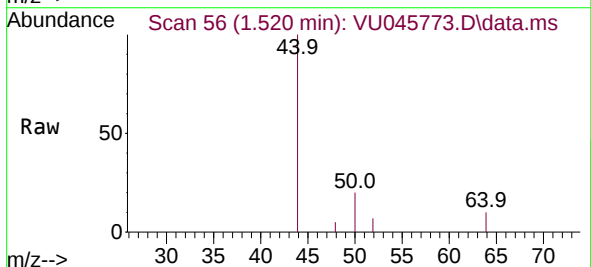
Instrument :
MSVOA_U
ClientSampleId :

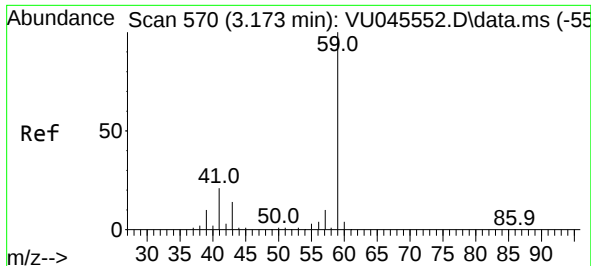
Tgt Ion:168 Resp: 117196
Ion Ratio Lower Upper
168 100
99 64.3 51.0 76.6



#3
Chloromethane
Concen: 0.267 ug/l
RT: 1.520 min Scan# 56
Delta R.T. -0.003 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

Tgt Ion: 50 Resp: 465
Ion Ratio Lower Upper
50 100
52 33.8 26.6 40.0





#11

Tert butyl alcohol

Concen: 0.279 ug/l

RT: 3.163 min Scan# 5

Delta R.T. -0.010 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

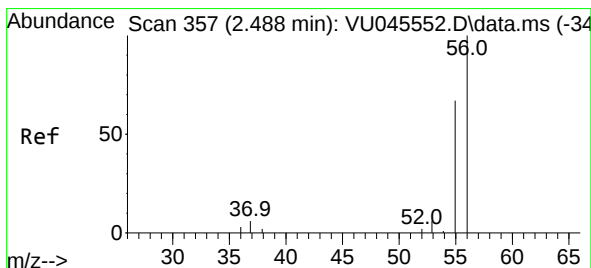
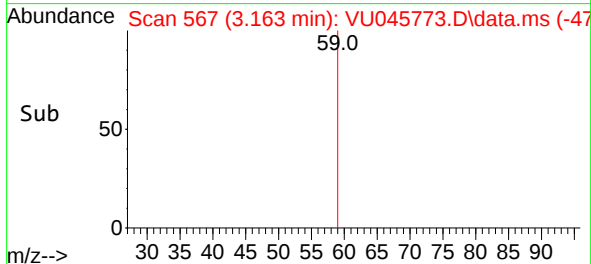
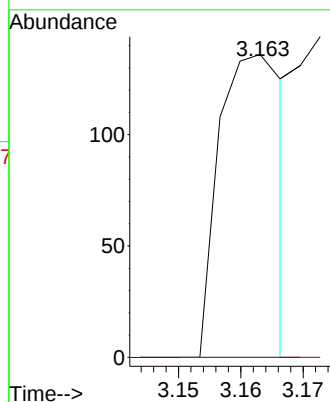
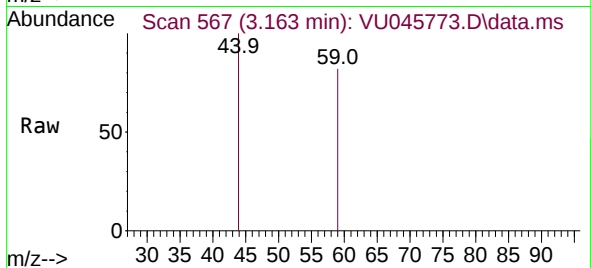
ClientSampleId :

Tgt Ion: 59 Resp: 97

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.854 ug/l

RT: 2.494 min Scan# 359

Delta R.T. 0.006 min

Lab File: VU045773.D

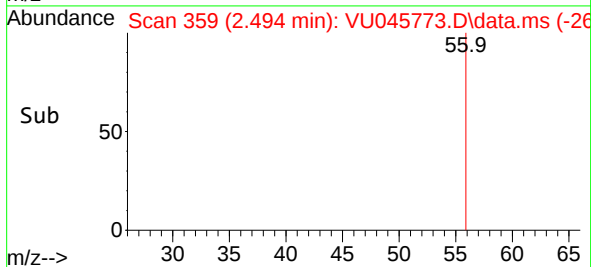
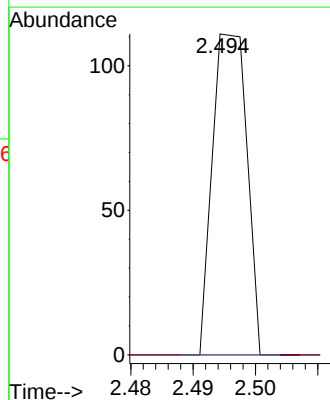
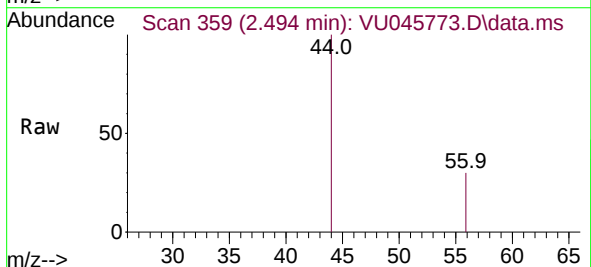
Acq: 12 Nov 2021 16:44

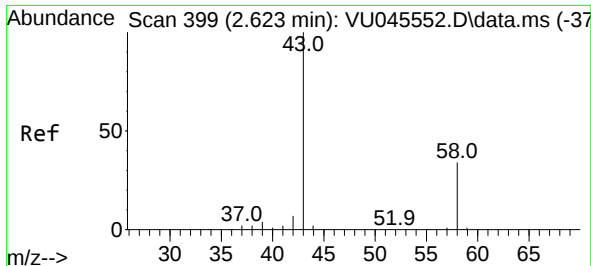
Tgt Ion: 56 Resp: 43

Ion Ratio Lower Upper

56 100

55 0.0 56.3 84.5#





#16

Acetone

Concen: 7.385 ug/l

RT: 2.626 min Scan# 400

Delta R.T. 0.003 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

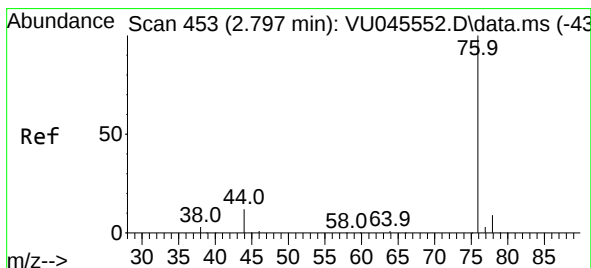
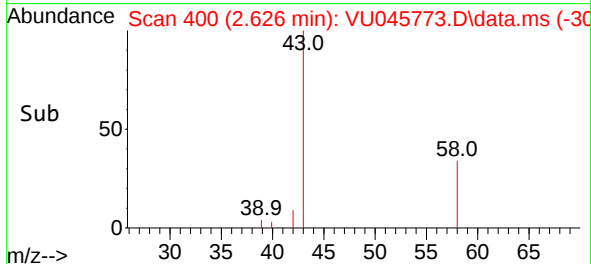
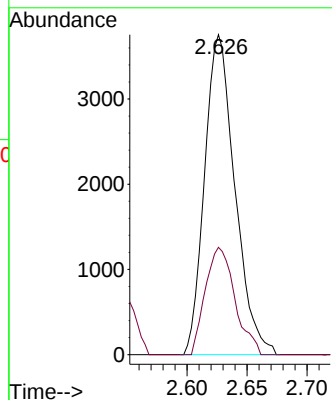
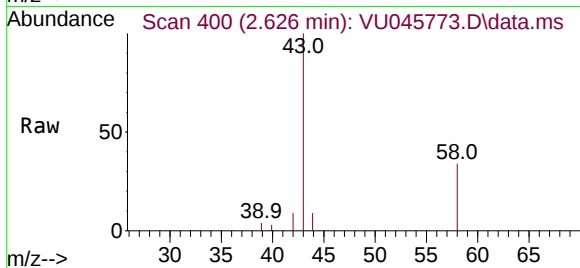
ClientSampleId :

Tgt Ion: 43 Resp: 6598

Ion Ratio Lower Upper

43 100

58 33.6 26.2 39.2



#17

Carbon Disulfide

Concen: 0.432 ug/l

RT: 2.793 min Scan# 452

Delta R.T. -0.003 min

Lab File: VU045773.D

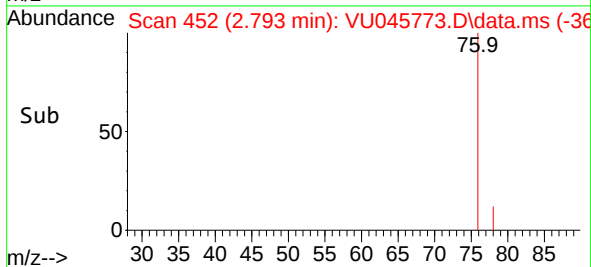
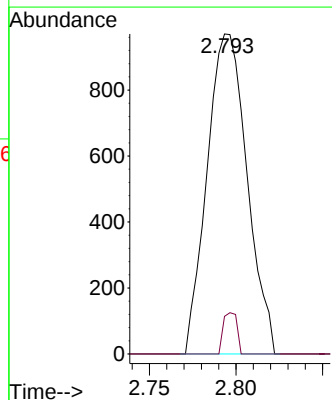
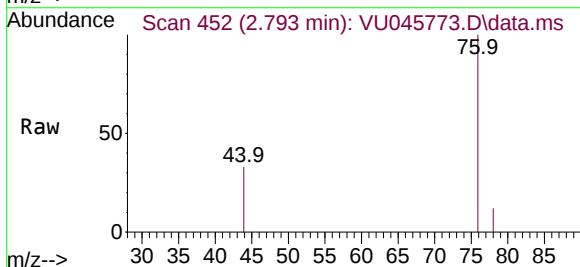
Acq: 12 Nov 2021 16:44

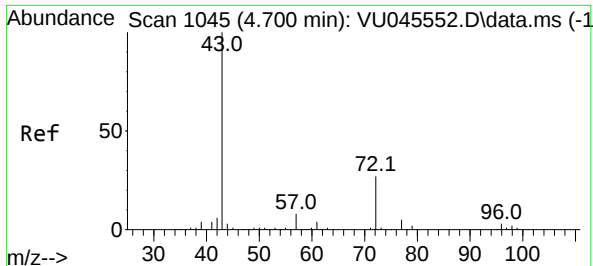
Tgt Ion: 76 Resp: 1561

Ion Ratio Lower Upper

76 100

78 11.8 7.3 10.9#





#25

2-Butanone

Concen: 1.535 ug/l

RT: 4.706 min Scan# 11

Delta R.T. 0.006 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

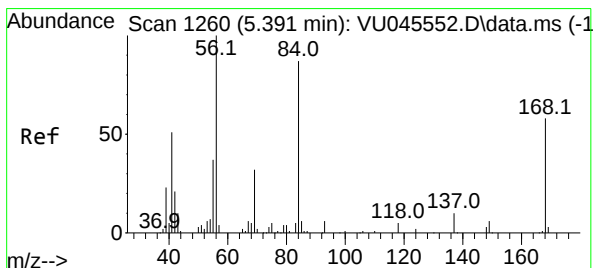
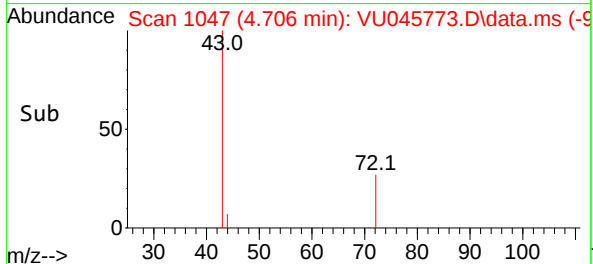
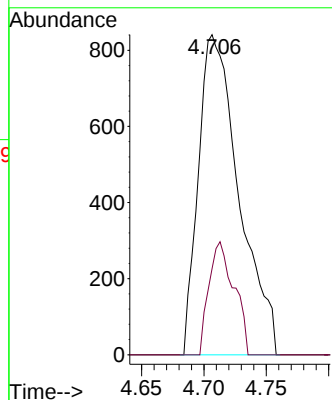
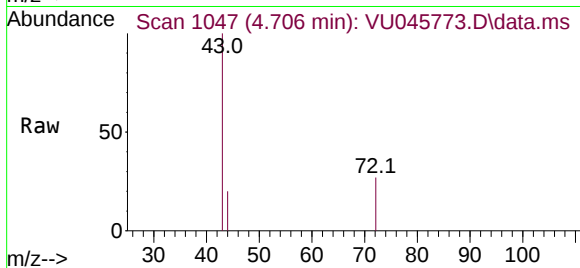
ClientSampleId :

Tgt Ion: 43 Resp: 1902

Ion Ratio Lower Upper

43 100

72 26.9 22.0 33.0



#31

Cyclohexane

Concen: 1.093 ug/l

RT: 5.372 min Scan# 1254

Delta R.T. -0.019 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

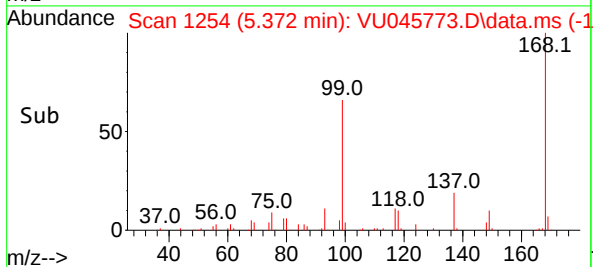
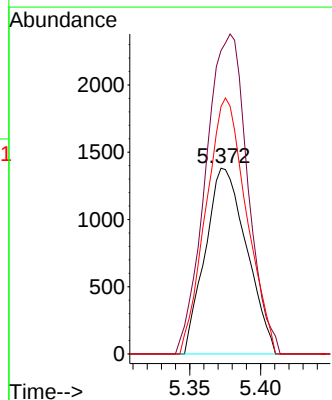
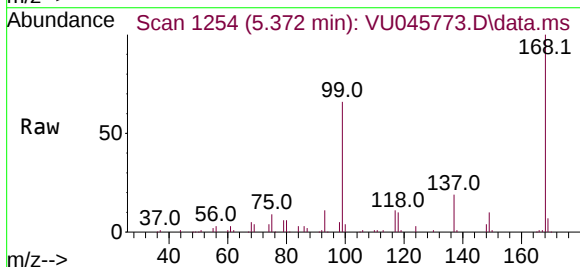
Tgt Ion: 56 Resp: 2798

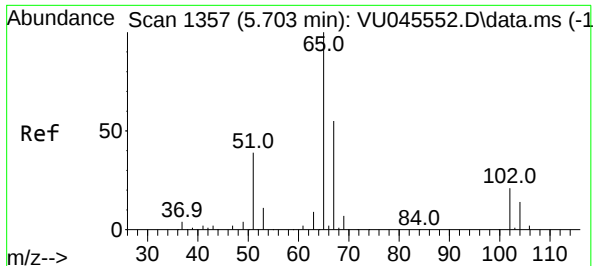
Ion Ratio Lower Upper

56 100

69 163.3 26.4 39.6#

84 133.2 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 55.060 ug/l

RT: 5.703 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

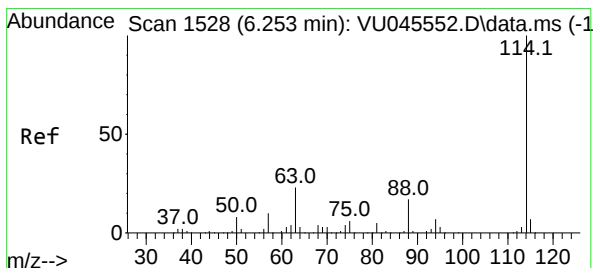
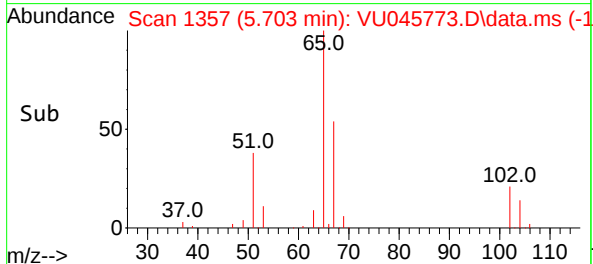
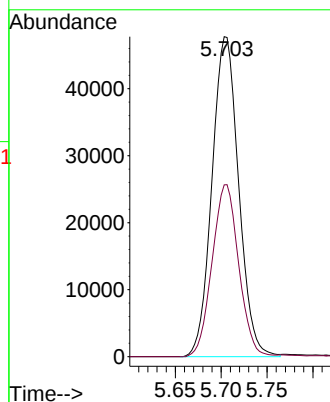
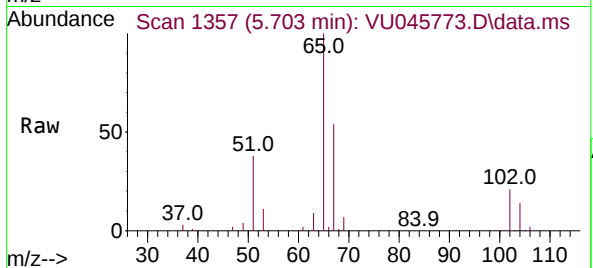
ClientSampleId :

Tgt Ion: 65 Resp: 96638

Ion Ratio Lower Upper

65 100

67 53.5 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1528

Delta R.T. 0.000 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

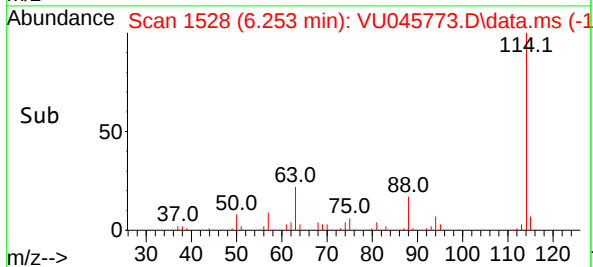
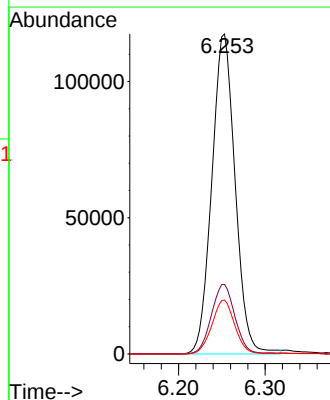
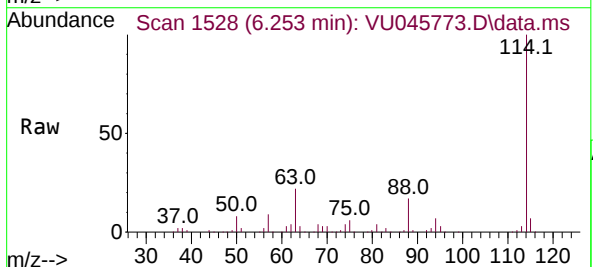
Tgt Ion: 114 Resp: 219805

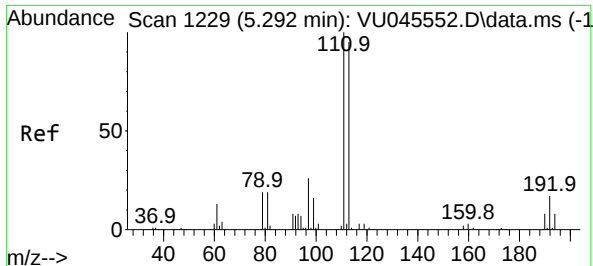
Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.6

88 16.8 0.0 33.8





#35

Dibromofluoromethane

Concen: 52.728 ug/l

RT: 5.292 min Scan# 11

Delta R.T. -0.000 min

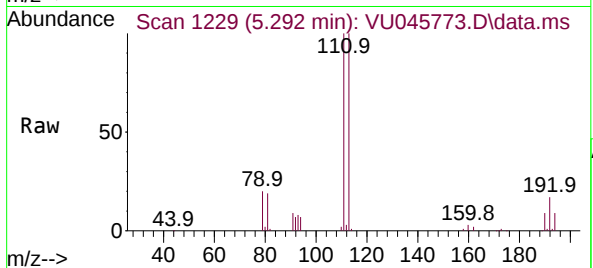
Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

ClientSampleId :



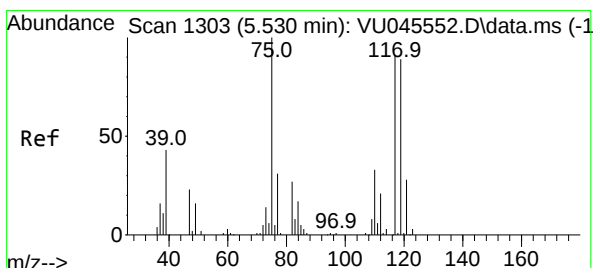
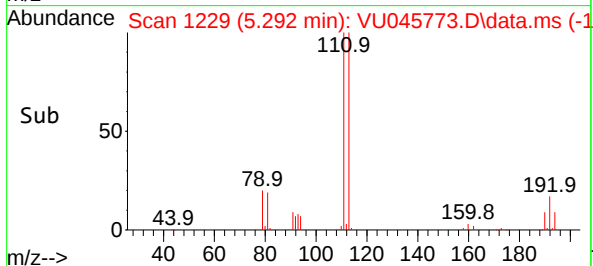
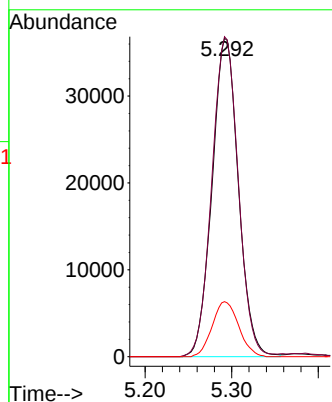
Tgt Ion:113 Resp: 77379

Ion Ratio Lower Upper

113 100

111 100.9 82.8 124.2

192 17.4 14.8 22.2



#36

1,1-Dichloropropene

Concen: 4.889 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.154 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

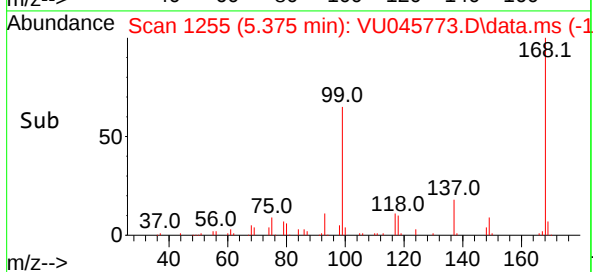
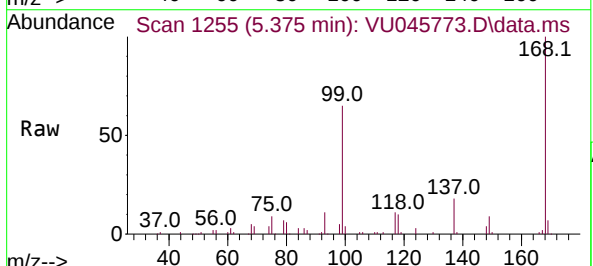
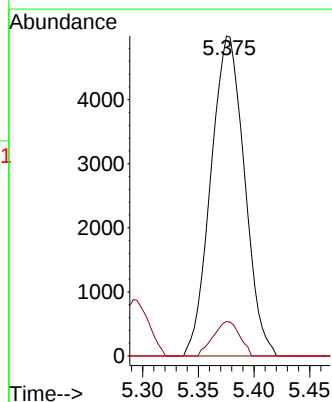
Tgt Ion: 75 Resp: 10479

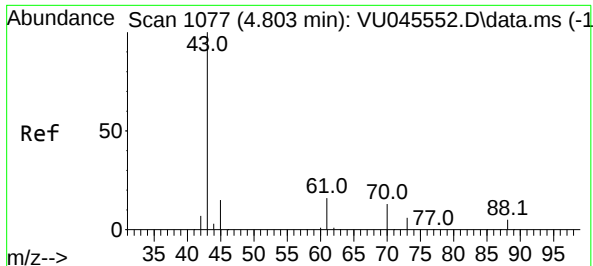
Ion Ratio Lower Upper

75 100

110 8.4 16.7 50.0#

77 0.0 25.0 37.4#





#37

Ethyl Acetate

Concen: 0.773 ug/l

RT: 4.706 min Scan# 1

Delta R.T. -0.097 min

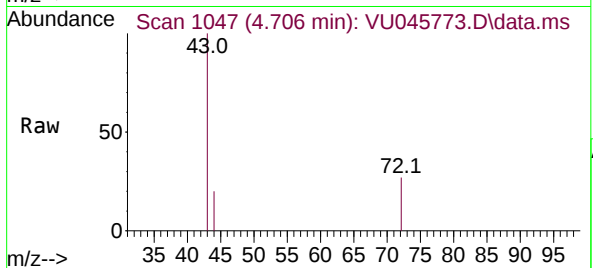
Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

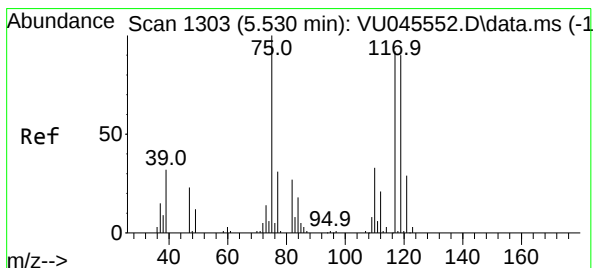
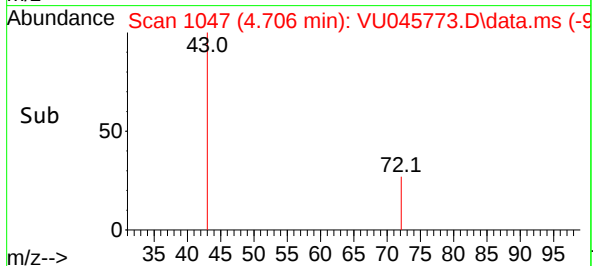
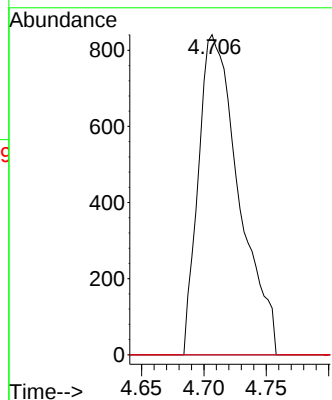
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	43	Resp:	1902
Ion	Ratio	Lower	Upper
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



#38

Carbon Tetrachloride

Concen: 5.840 ug/l

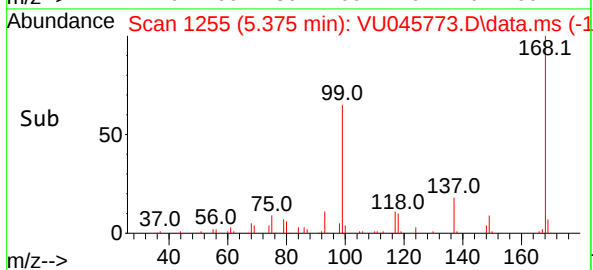
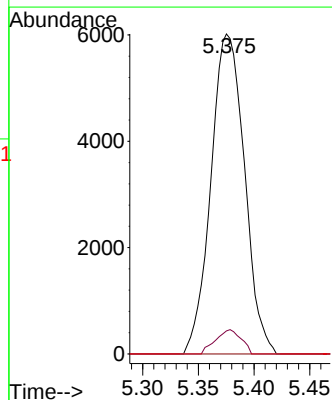
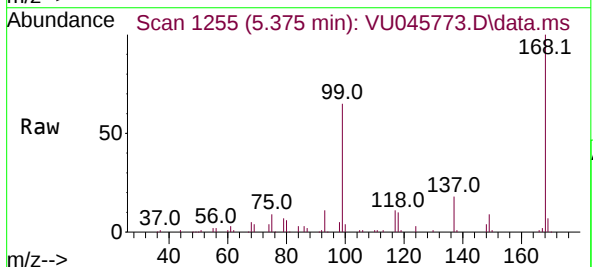
RT: 5.375 min Scan# 1255

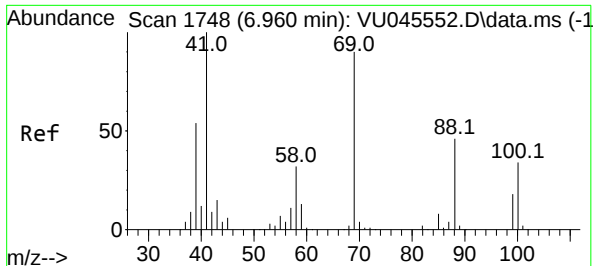
Delta R.T. -0.154 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Tgt Ion:	117	Resp:	12618
Ion	Ratio	Lower	Upper
117	100		
119	7.2	77.4	116.0#
121	0.0	24.8	37.2#

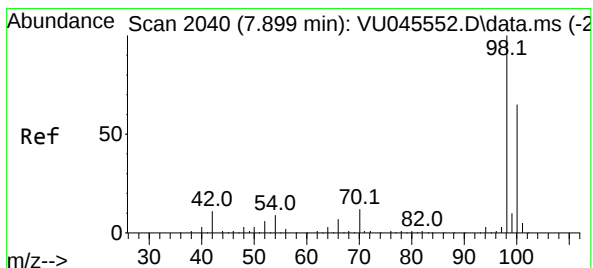
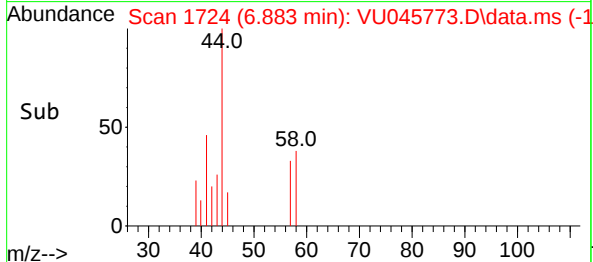
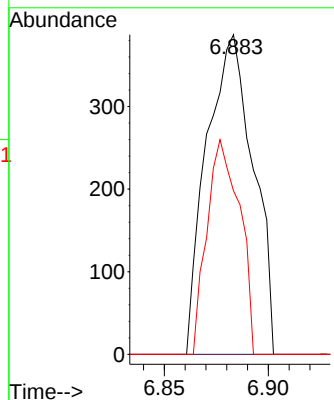
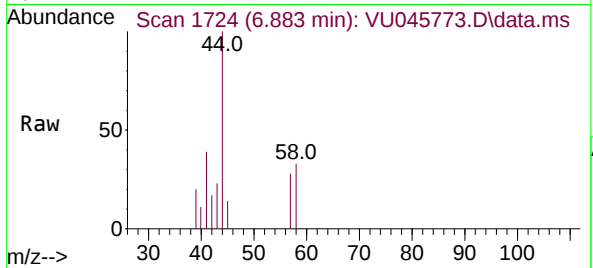




#48
Methyl methacrylate
Concen: 0.348 ug/l
RT: 6.883 min Scan# 1
Delta R.T. -0.077 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

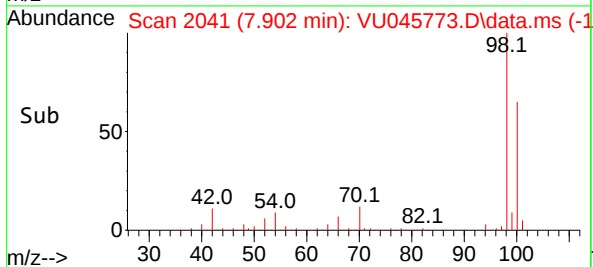
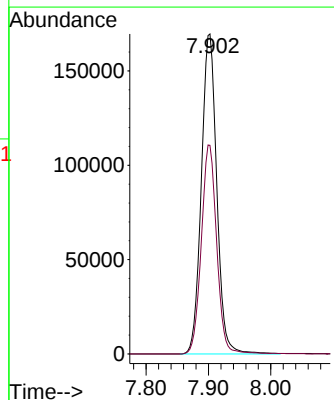
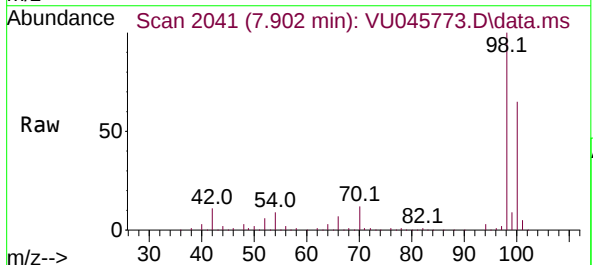
Instrument :
MSVOA_U
ClientSampleId :

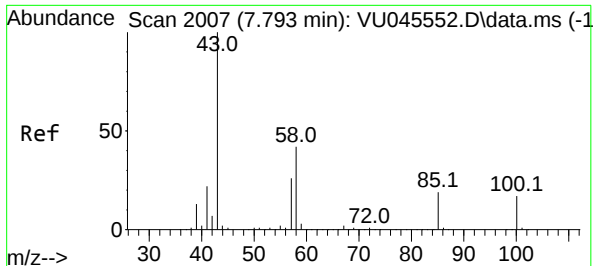
Tgt Ion: 41 Resp: 603
Ion Ratio Lower Upper
41 100
69 0.0 70.2 105.2#
39 47.1 43.9 65.9



#50
Toluene-d8
Concen: 53.426 ug/l
RT: 7.902 min Scan# 2041
Delta R.T. 0.003 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

Tgt Ion: 98 Resp: 291544
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7

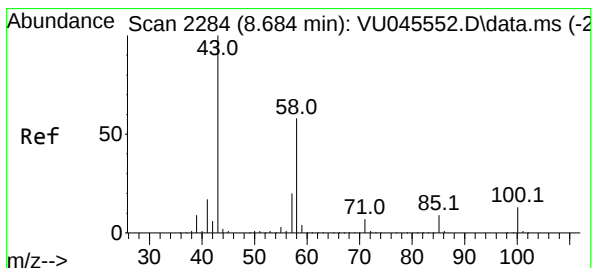
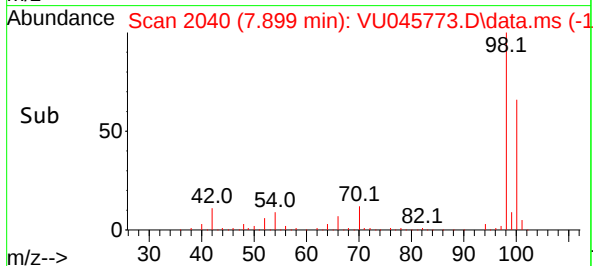
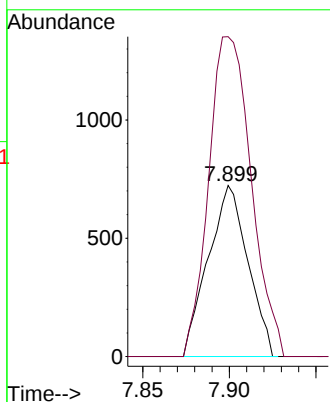
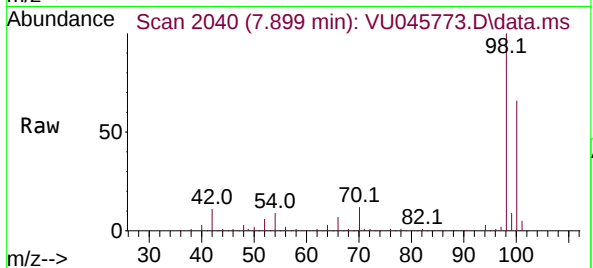




#51
4-Methyl-2-Pentanone
Concen: 0.464 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. 0.106 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

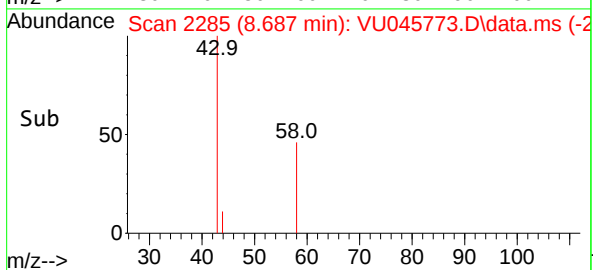
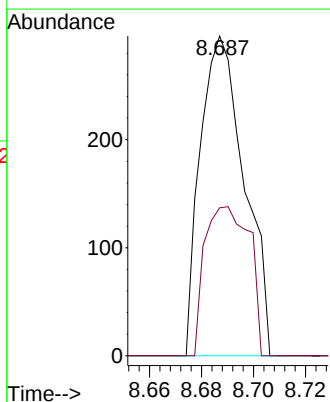
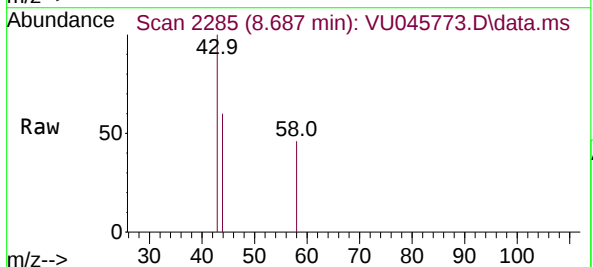
Instrument :
MSVOA_U
ClientSampleId :

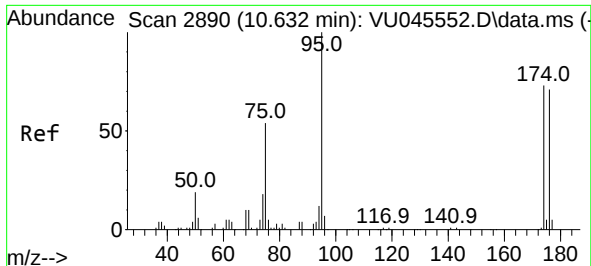
Tgt Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
58 200.7 33.8 50.8#



#59
2-Hexanone
Concen: 7.691 ug/l
RT: 8.687 min Scan# 2285
Delta R.T. 0.003 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

Tgt Ion: 43 Resp: 348
Ion Ratio Lower Upper
43 100
58 47.4 29.5 88.6





#62

4-Bromofluorobenzene

Concen: 50.420 ug/l

RT: 10.635 min Scan# 2890

Delta R.T. 0.003 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

ClientSampleId :

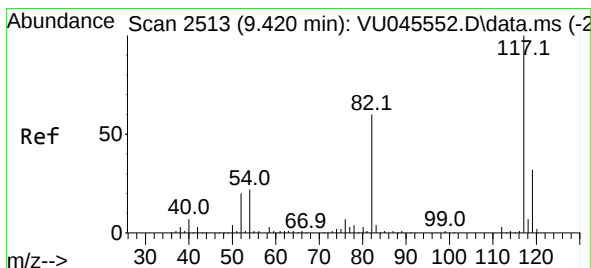
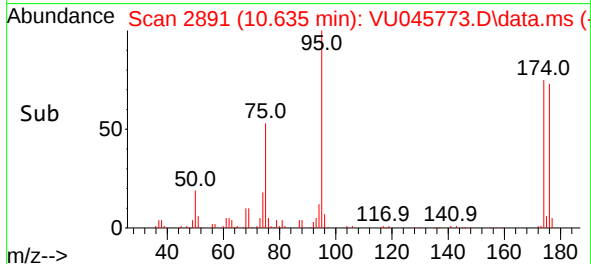
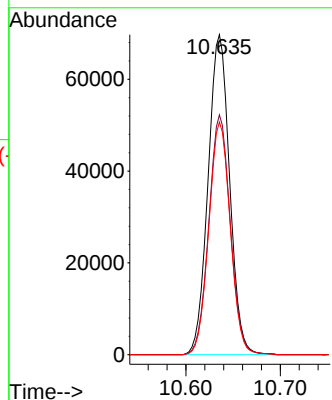
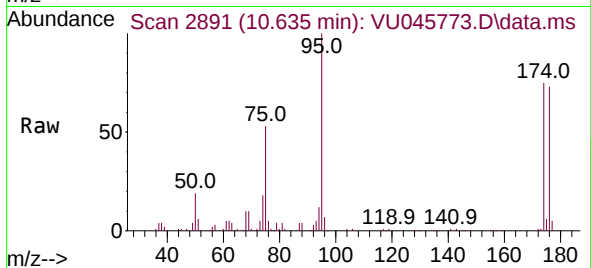
Tgt Ion: 95 Resp: 110330

Ion Ratio Lower Upper

95 100

174 75.0 0.0 141.8

176 72.3 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: VU045773.D

Acq: 12 Nov 2021 16:44

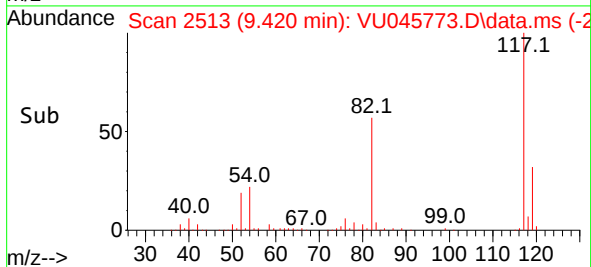
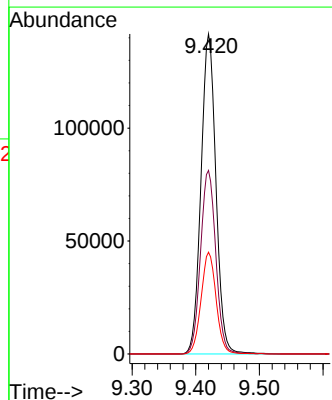
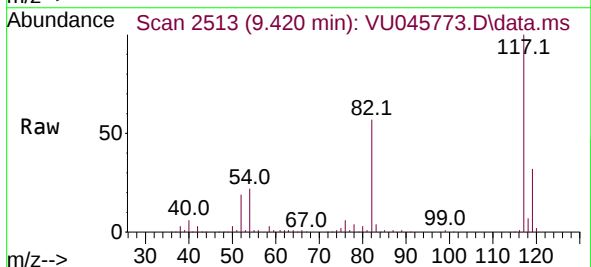
Tgt Ion: 117 Resp: 231034

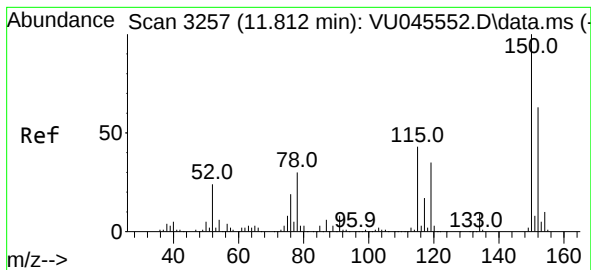
Ion Ratio Lower Upper

117 100

82 57.4 47.8 71.8

119 31.8 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.815 min Scan# 31

Delta R.T. 0.003 min

Lab File: VU045773.D

Acq: 12 Nov 2021 16:44

Instrument :

MSVOA_U

ClientSampleId :

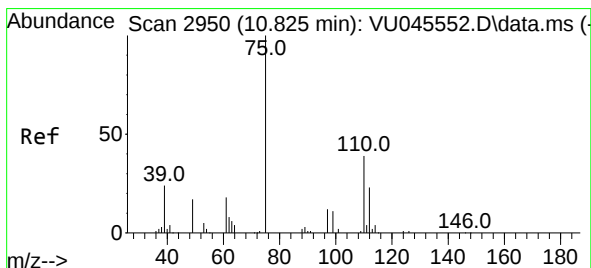
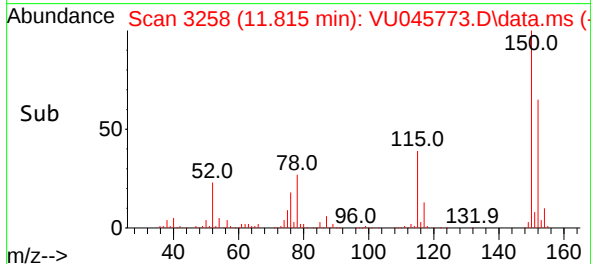
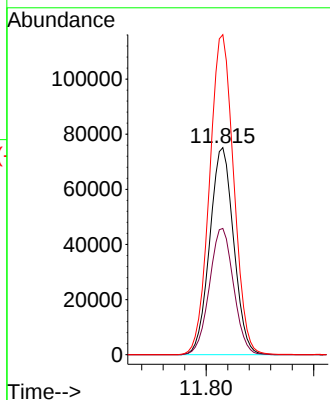
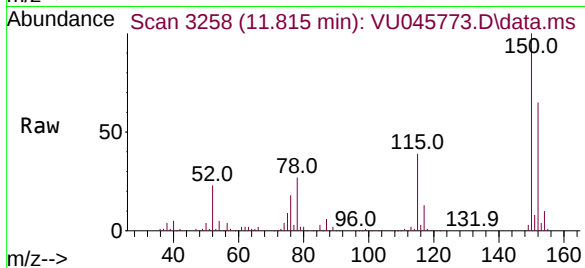
Tgt Ion:152 Resp: 116177

Ion Ratio Lower Upper

152 100

115 61.5 42.7 128.1

150 156.2 0.0 346.8



#76

1,2,3-Trichloropropane

Concen: 16.489 ug/l

RT: 10.635 min Scan# 2891

Delta R.T. -0.190 min

Lab File: VU045773.D

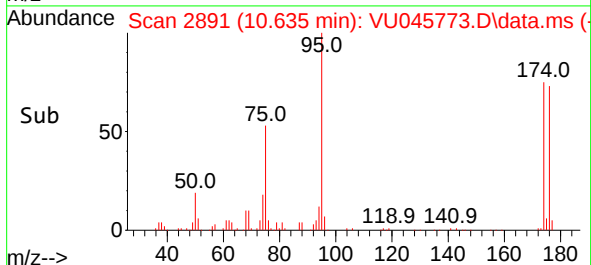
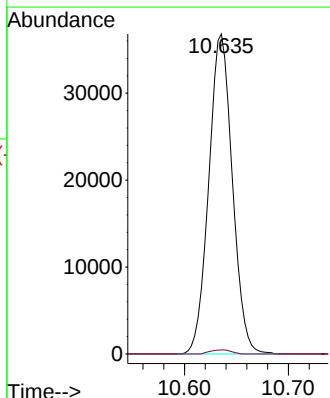
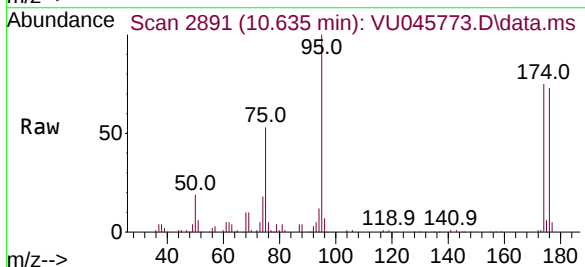
Acq: 12 Nov 2021 16:44

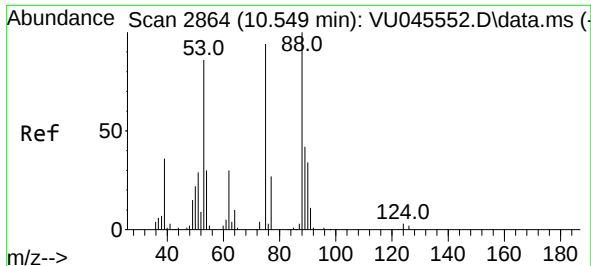
Tgt Ion: 75 Resp: 58092

Ion Ratio Lower Upper

75 100

77 1.1 17.1 51.3#

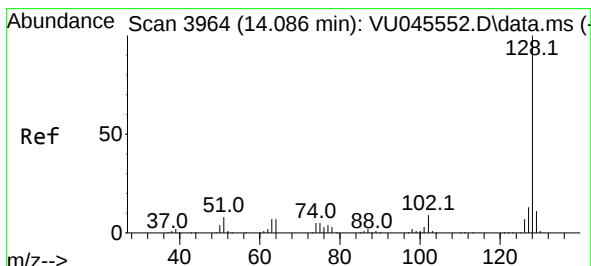
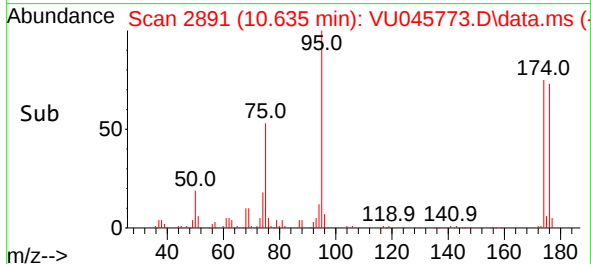
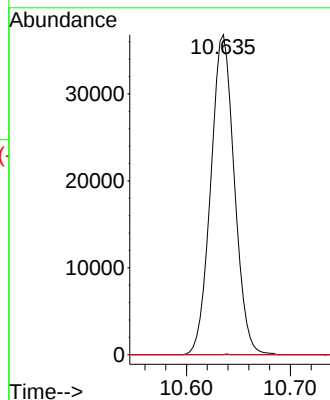
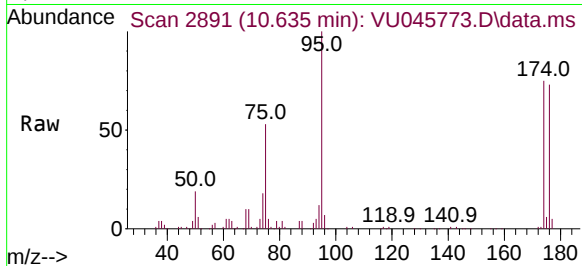




#81
trans-1,4-Dichloro-2-butene
Concen: 53.775 ug/l
RT: 10.635 min Scan# 2864
Delta R.T. 0.086 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 58092
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.053 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045773.D
Acq: 12 Nov 2021 16:44

Tgt Ion:128 Resp: 232
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

