

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045923.D
 Acq On : 22 Nov 2021 18:39
 Operator : SY/MD
 Sample : PB140933ZHE#08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 05:18:16 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)

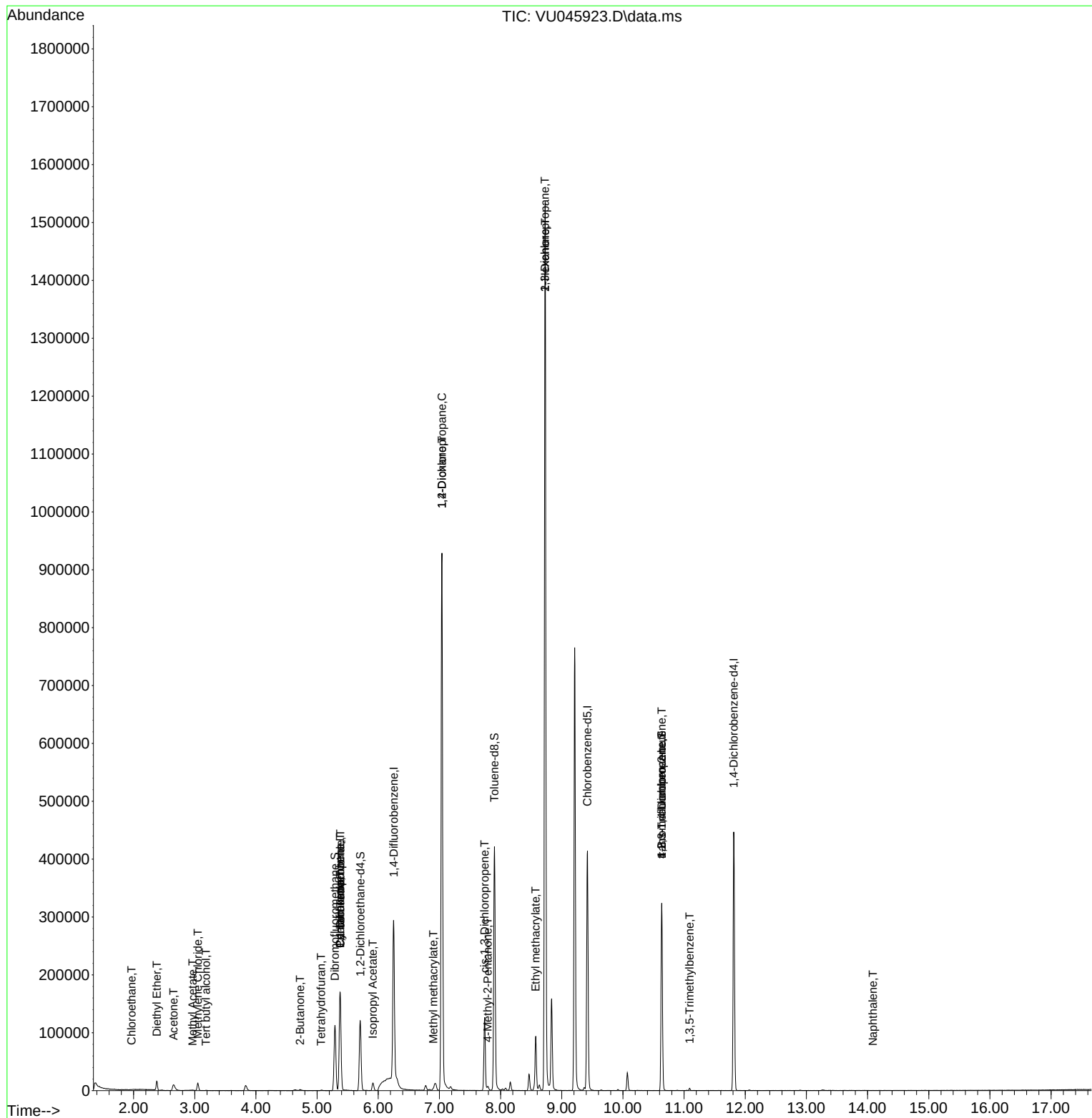
Internal Standards						
1) Pentafluorobenzene	5.375	168	113957	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	219027	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	229362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	113952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.706	65	91141	53.404	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 106.800%	
35) Dibromofluoromethane	5.292	113	73465	50.238	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.480%	
50) Toluene-d8	7.899	98	284928	52.399	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.800%	
62) 4-Bromofluorobenzene	10.635	95	109798	50.355	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 100.720%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.967	64	302	0.281	ug/l #	41
8) Diethyl Ether	2.379	74	5529	6.414	ug/l	99
11) Tert butyl alcohol	3.182	59	154	0.456	ug/l #	72
16) Acetone	2.652	43	20388	23.468	ug/l	93
18) Methyl Acetate	2.967	43	1329	0.449	ug/l #	50
20) Methylene Chloride	3.051	84	6236	4.131	ug/l	96
25) 2-Butanone	4.723	43	3312	2.749	ug/l	95
29) Tetrahydrofuran	5.067	42	579	0.786	ug/l #	71
31) Cyclohexane	5.375	56	2396	0.962	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10022	4.693	ug/l #	51
38) Carbon Tetrachloride	5.378	117	11985	5.566	ug/l #	16
43) Isopropyl Acetate	5.912	43	14310	3.814	ug/l	99
45) 1,2-Dichloropropane	7.041	63	1113	0.665	ug/l #	43
48) Methyl methacrylate	6.899	41	4734	2.741	ug/l #	13
49) 1,4-Dioxane	7.041	88	108	2.432	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	4417	1.784	ug/l	89
54) cis-1,3-Dichloropropene	7.738	75	22913	8.534	ug/l #	62
56) Ethyl methacrylate	8.574	69	763	2.676	ug/l #	1
57) 1,3-Dichloropropane	8.726	76	15794	5.466	ug/l #	42
59) 2-Hexanone	8.729	43	198962	97.127	ug/l #	49
76) 1,2,3-Trichloropropane	10.635	75	57162	16.541	ug/l #	42
80) 1,3,5-Trimethylbenzene	11.092	105	2437	0.375	ug/l	93
81) trans-1,4-Dichloro-2-b...	10.635	75	57162	53.938	ug/l #	12
95) Naphthalene	14.089	128	64	1.036	ug/l #	69

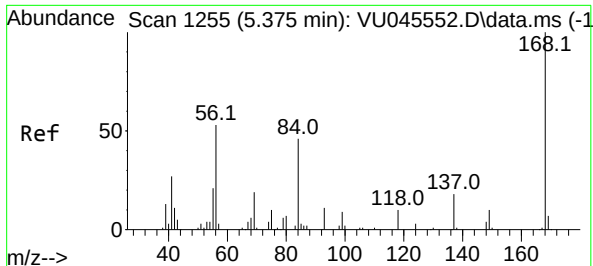
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_U
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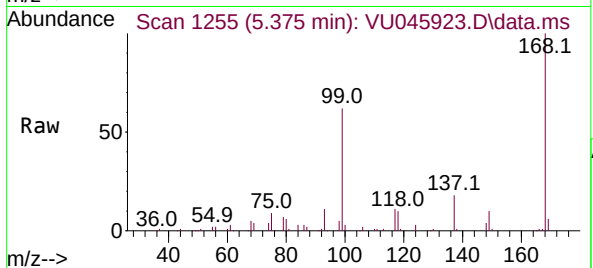
Quant Time: Nov 23 05:18:16 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
Quant Title : SW846 8260
QLast Update : Fri Nov 05 13:35:16 2021
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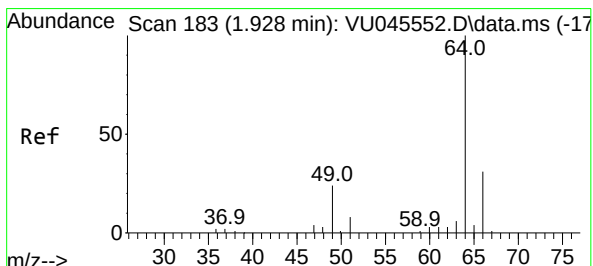
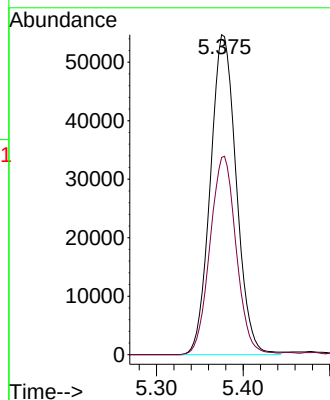
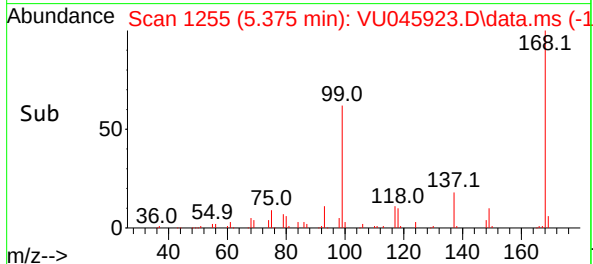


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Instrument :
MSVOA_U
ClientSampleId :

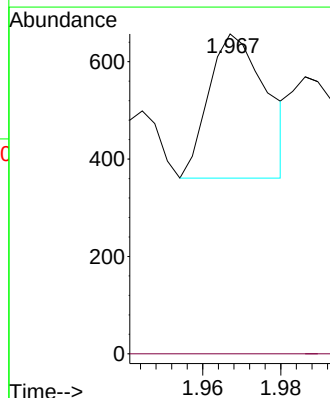
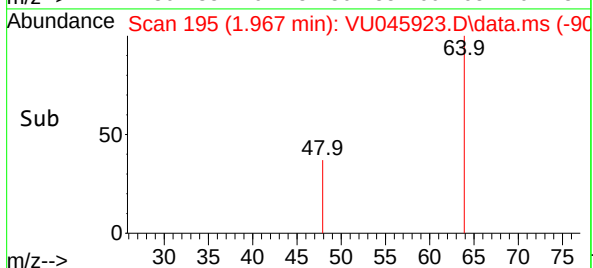
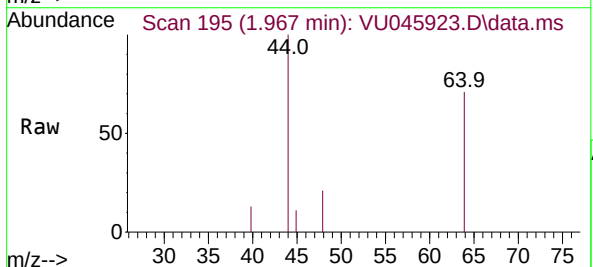


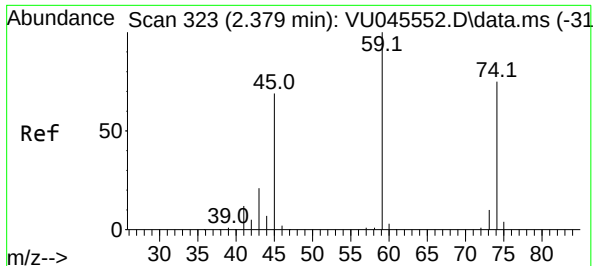
Tgt Ion:168 Resp: 113957
Ion Ratio Lower Upper
168 100
99 61.6 51.0 76.6



#6
Chloroethane
Concen: 0.281 ug/l
RT: 1.967 min Scan# 195
Delta R.T. 0.039 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 64 Resp: 302
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 6.414 ug/l

RT: 2.379 min Scan# 31

Delta R.T. -0.000 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

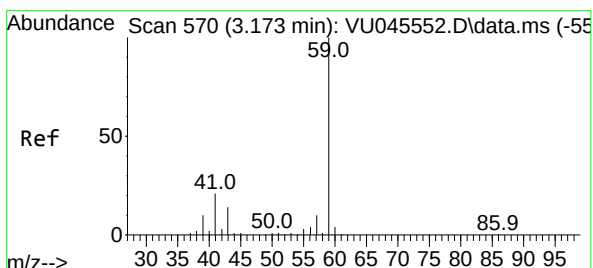
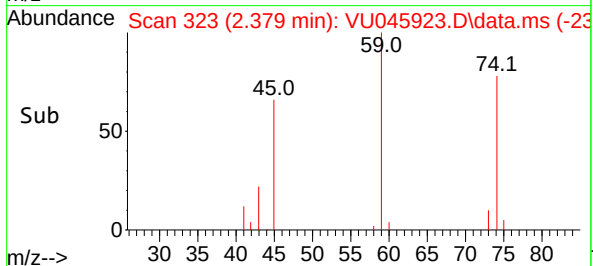
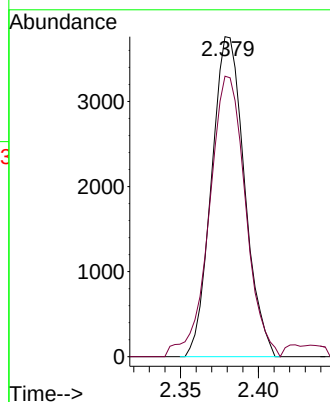
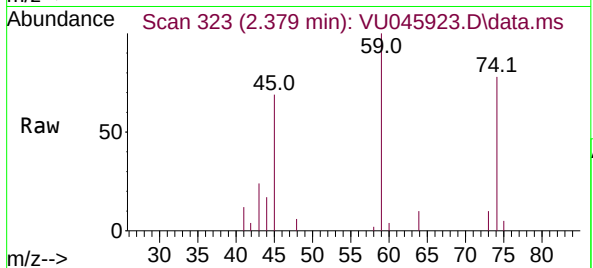
ClientSampleId :

Tgt Ion: 74 Resp: 5529

Ion Ratio Lower Upper

74 100

45 95.9 47.3 141.8



#11

Tert butyl alcohol

Concen: 0.456 ug/l

RT: 3.182 min Scan# 573

Delta R.T. 0.010 min

Lab File: VU045923.D

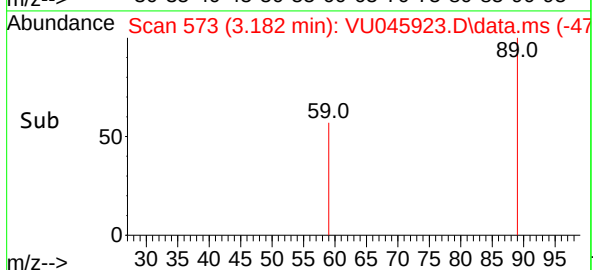
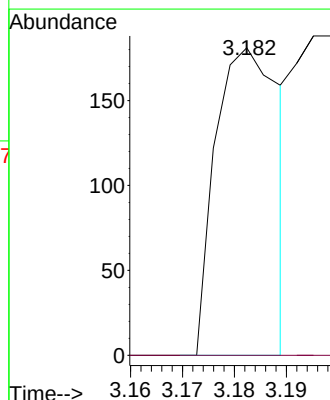
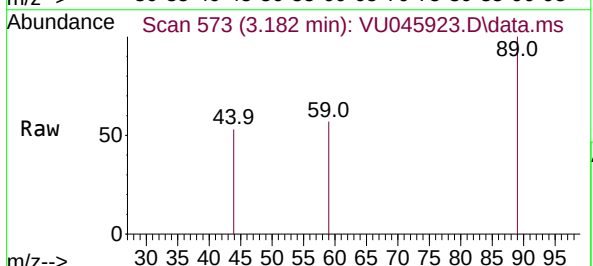
Acq: 22 Nov 2021 18:39

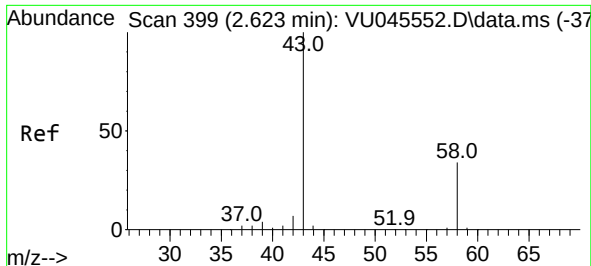
Tgt Ion: 59 Resp: 154

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

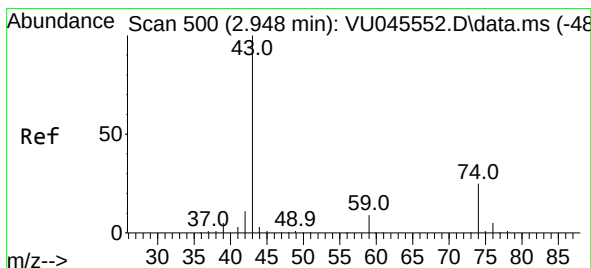
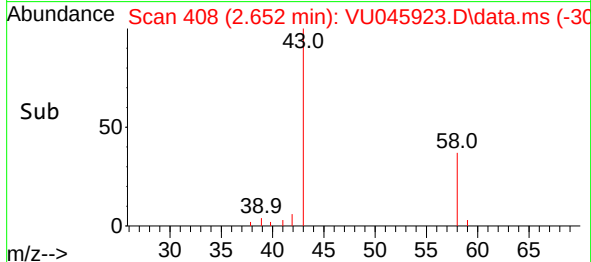
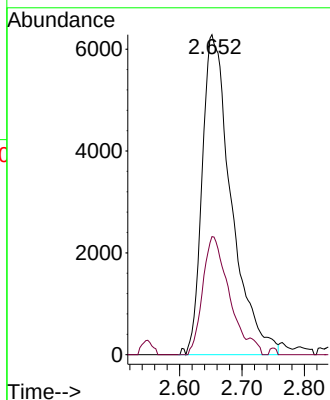
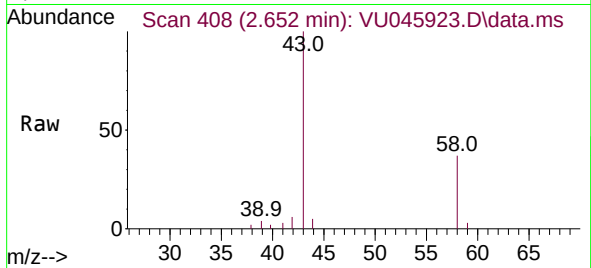




#16
Acetone
Concen: 23.468 ug/l
RT: 2.652 min Scan# 408
Delta R.T. 0.029 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

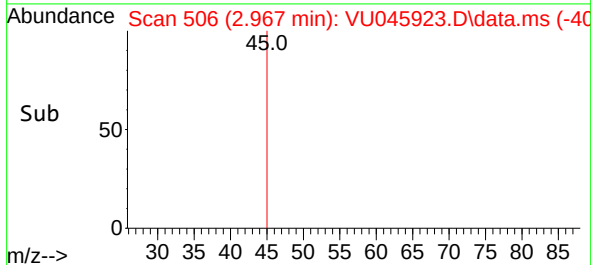
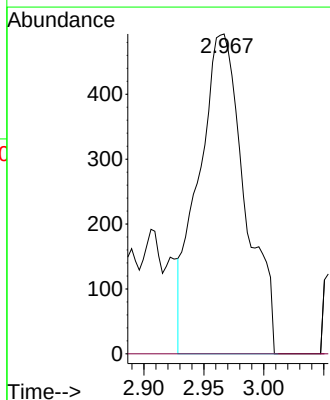
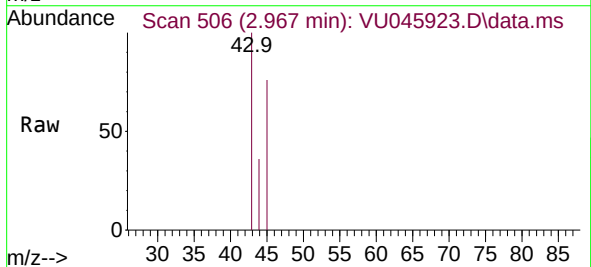
Instrument :
MSVOA_U
ClientSampleId :

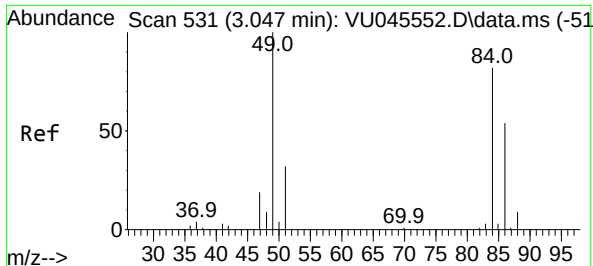
Tgt Ion: 43 Resp: 20388
Ion Ratio Lower Upper
43 100
58 36.9 26.2 39.2



#18
Methyl Acetate
Concen: 0.449 ug/l
RT: 2.967 min Scan# 506
Delta R.T. 0.019 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 43 Resp: 1329
Ion Ratio Lower Upper
43 100
74 0.0 20.2 30.2#

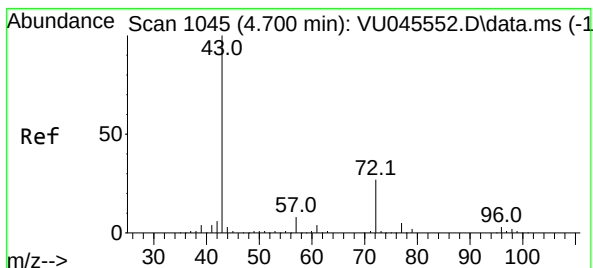
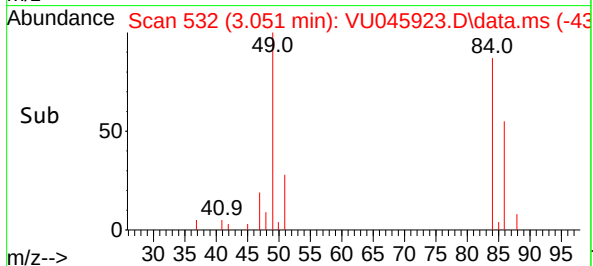
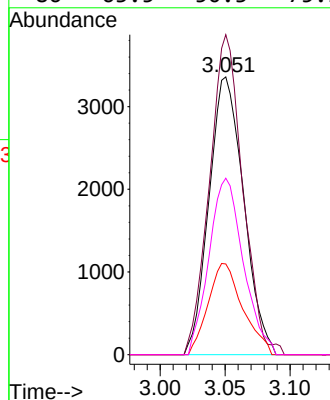
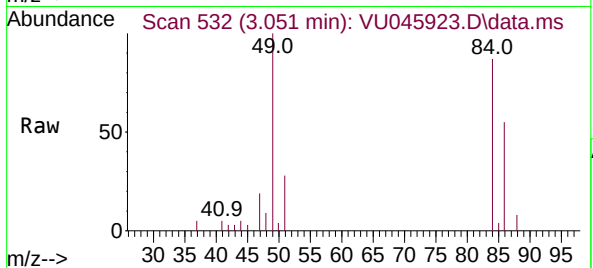




#20
Methylene Chloride
Concen: 4.131 ug/l
RT: 3.051 min Scan# 51
Delta R.T. 0.003 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

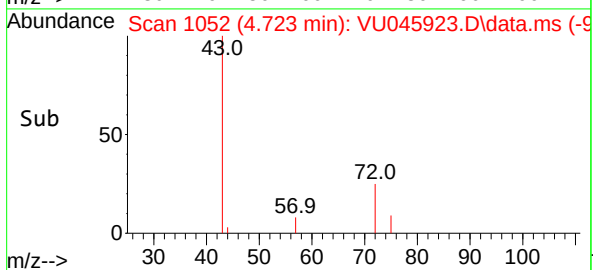
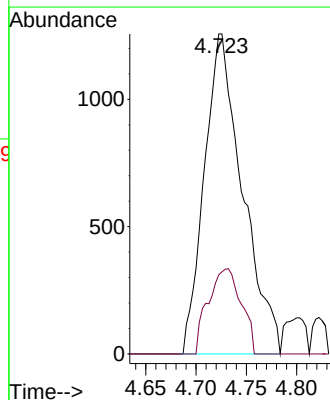
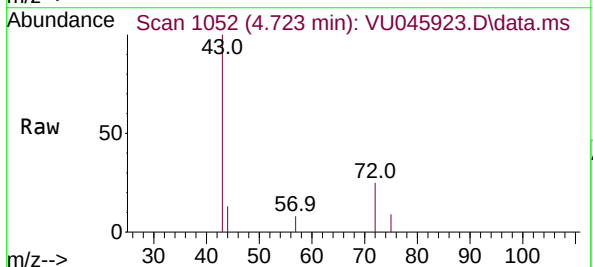
Instrument :
MSVOA_U
ClientSampleId :

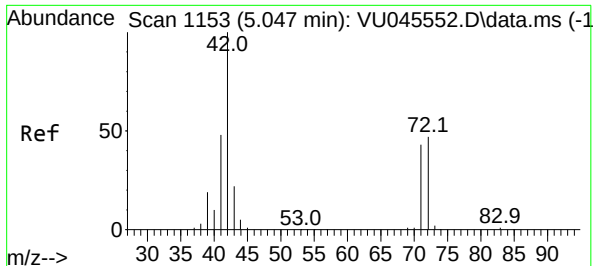
Tgt Ion: 84	Resp: 6236
Ion Ratio	Lower Upper
84 100	
49 115.2	96.4 144.6
51 32.7	30.5 45.7
86 63.5	50.3 75.5



#25
2-Butanone
Concen: 2.749 ug/l
RT: 4.723 min Scan# 1052
Delta R.T. 0.022 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 43	Resp: 3312		
Ion Ratio	Lower	Upper	
43 100			
72 24.7	22.0	33.0	





#29

Tetrahydrofuran

Concen: 0.786 ug/l

RT: 5.067 min Scan# 1153

Delta R.T. 0.019 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

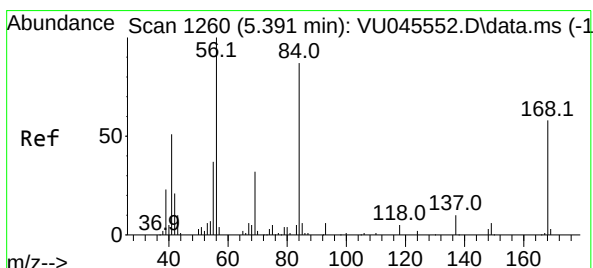
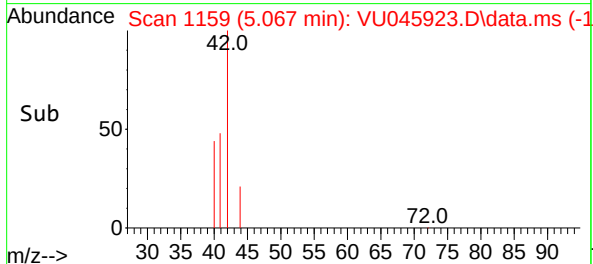
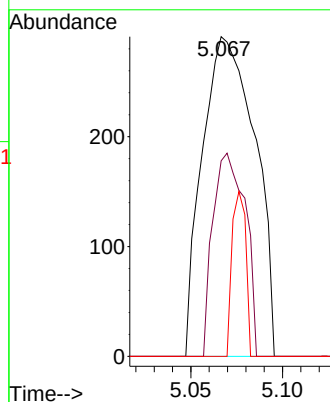
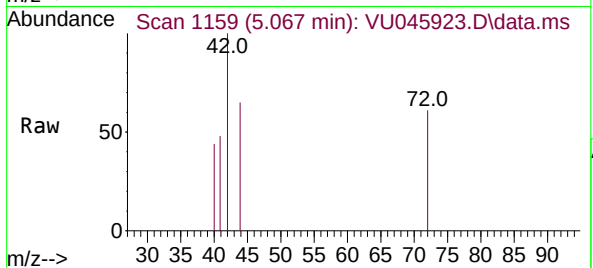
Tgt Ion: 42 Resp: 579

Ion Ratio Lower Upper

42 100

72 39.2 38.2 57.4

71 13.5 35.4 53.2#



#31

Cyclohexane

Concen: 0.962 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

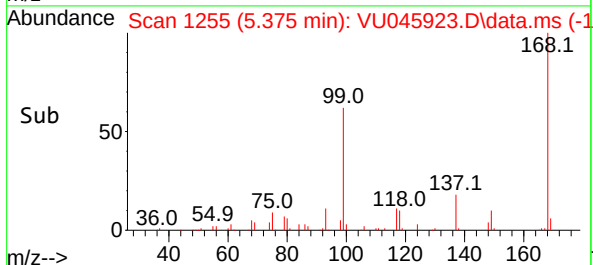
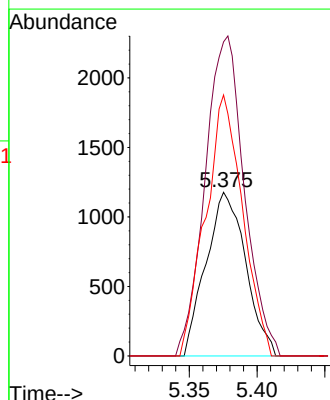
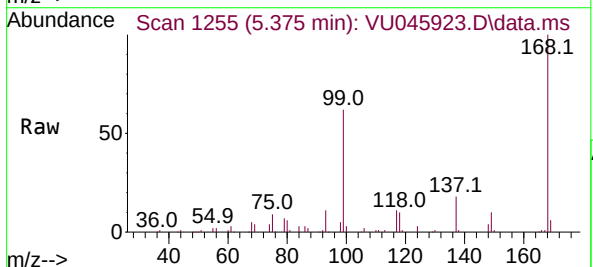
Tgt Ion: 56 Resp: 2396

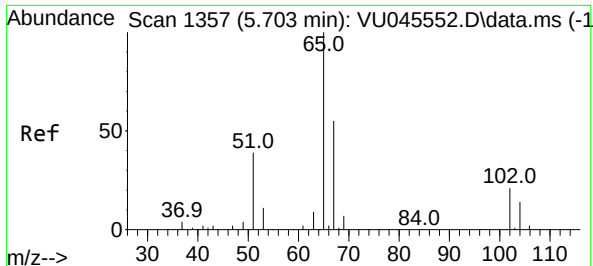
Ion Ratio Lower Upper

56 100

69 191.8 26.4 39.6#

84 159.3 68.4 102.6#





#33

1,2-Dichloroethane-d4

Concen: 53.404 ug/l

RT: 5.706 min Scan# 1

Delta R.T. 0.003 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

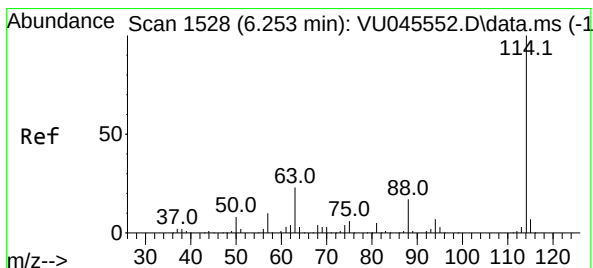
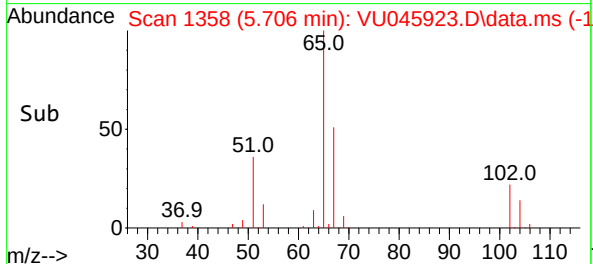
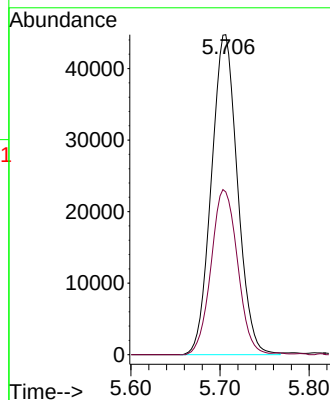
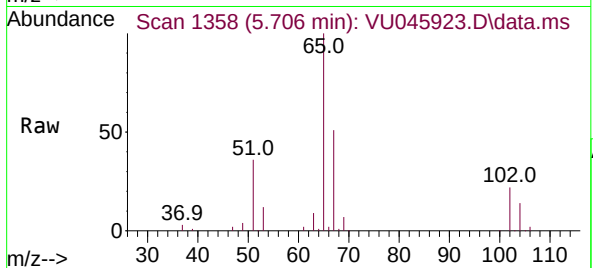
ClientSampleId :

Tgt Ion: 65 Resp: 91141

Ion Ratio Lower Upper

65 100

67 52.3 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: VU045923.D

Acq: 22 Nov 2021 18:39

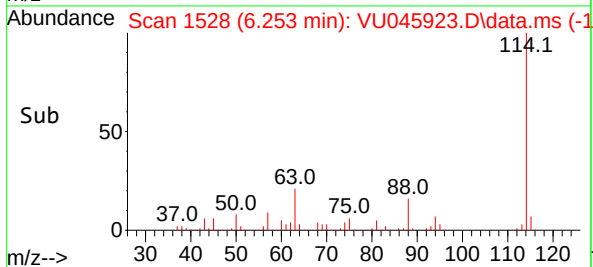
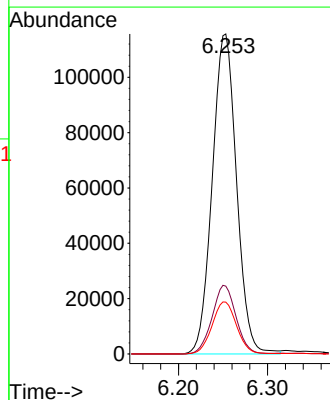
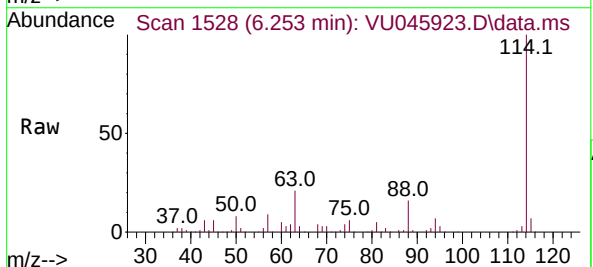
Tgt Ion: 114 Resp: 219027

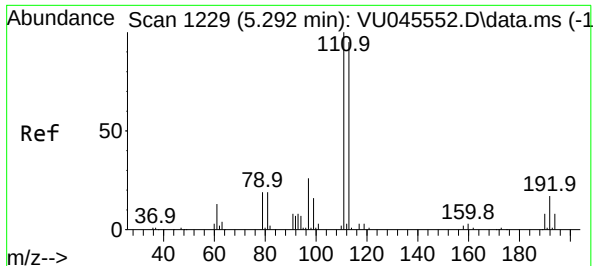
Ion Ratio Lower Upper

114 100

63 21.2 0.0 45.6

88 16.2 0.0 33.8

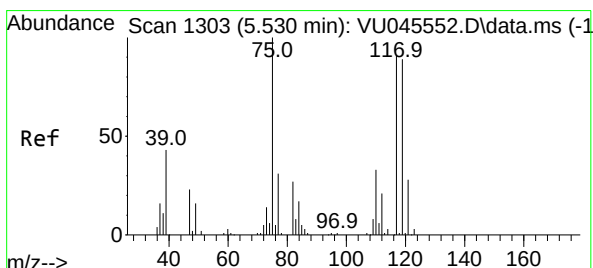
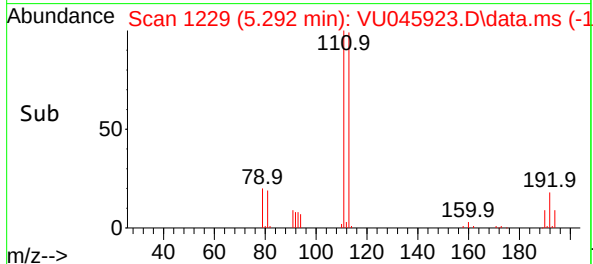
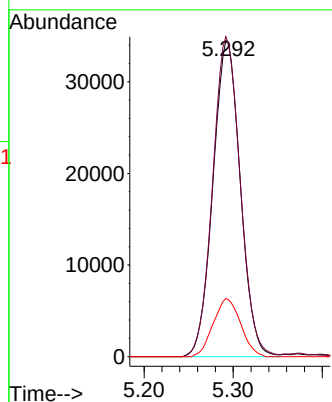
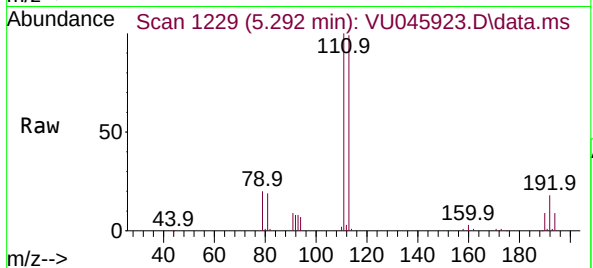




#35
Dibromofluoromethane
Concen: 50.238 ug/l
RT: 5.292 min Scan# 11
Delta R.T. -0.000 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

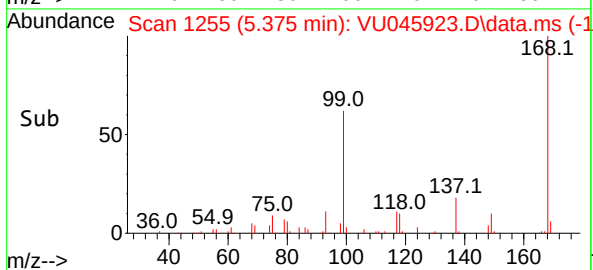
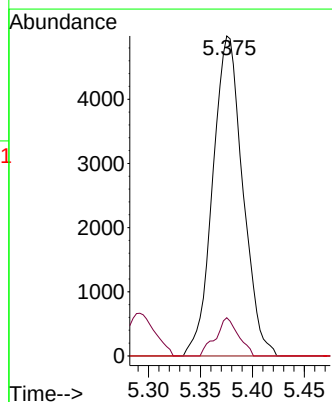
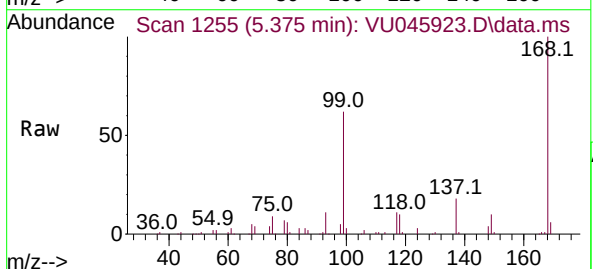
Instrument :
MSVOA_U
ClientSampleId :

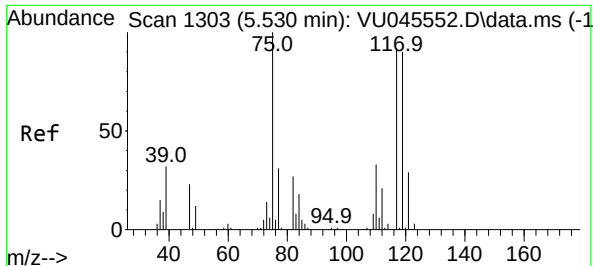
Tgt Ion:113 Resp: 73465
Ion Ratio Lower Upper
113 100
111 101.8 82.8 124.2
192 18.5 14.8 22.2



#36
1,1-Dichloropropene
Concen: 4.693 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.154 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

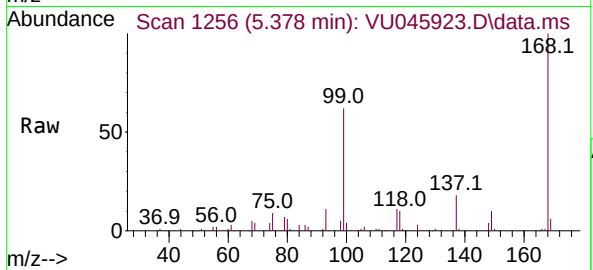
Tgt Ion: 75 Resp: 10022
Ion Ratio Lower Upper
75 100
110 9.0 16.7 50.0#
77 0.0 25.0 37.4#



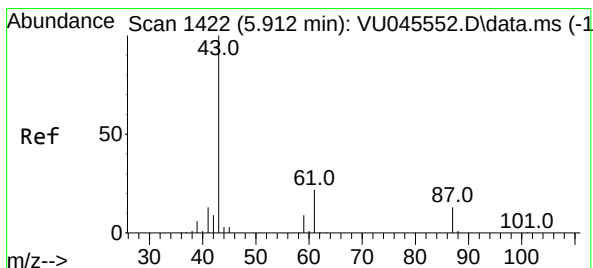
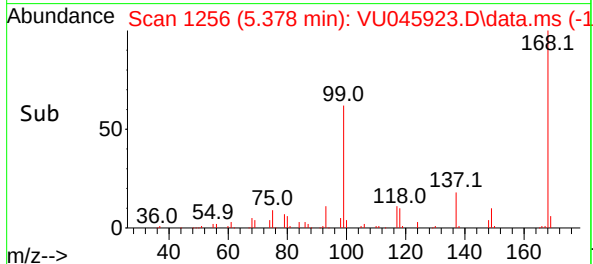
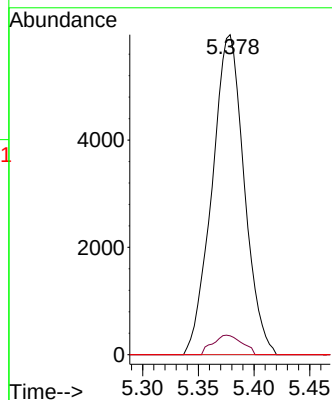


#38
Carbon Tetrachloride
Concen: 5.566 ug/l
RT: 5.378 min Scan# 11985
Delta R.T. -0.151 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Instrument :
MSVOA_U
ClientSampleId :

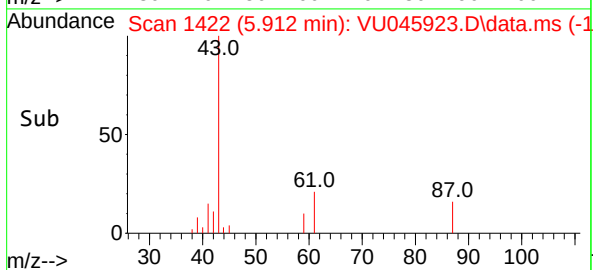
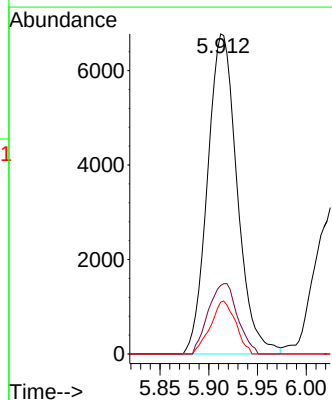
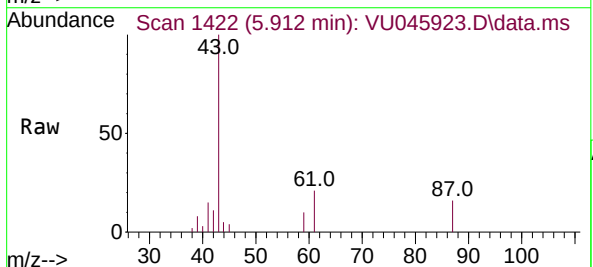


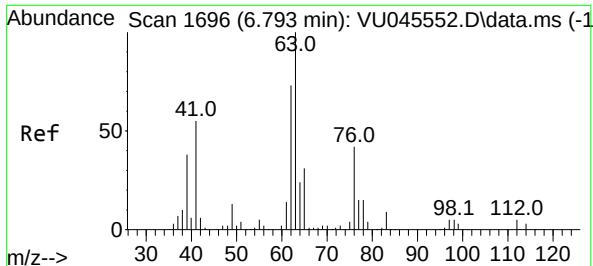
Tgt Ion:117 Resp: 11985
Ion Ratio Lower Upper
117 100
119 5.9 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.814 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 43 Resp: 14310
Ion Ratio Lower Upper
43 100
61 21.7 16.9 25.3
87 14.0 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.665 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.248 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

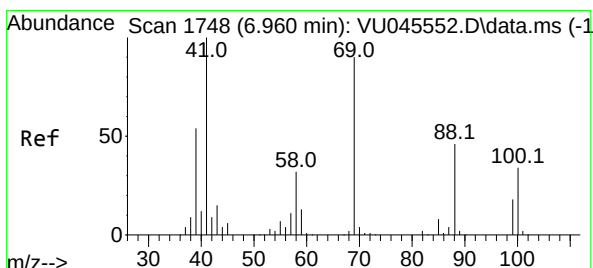
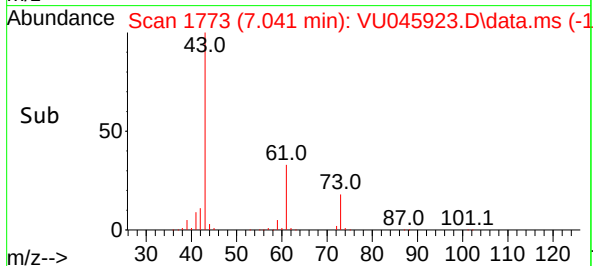
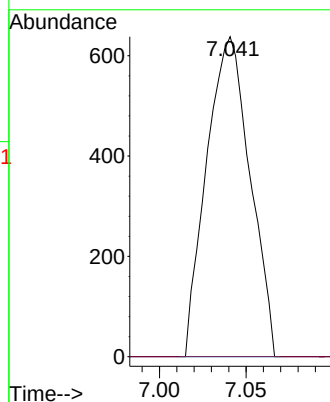
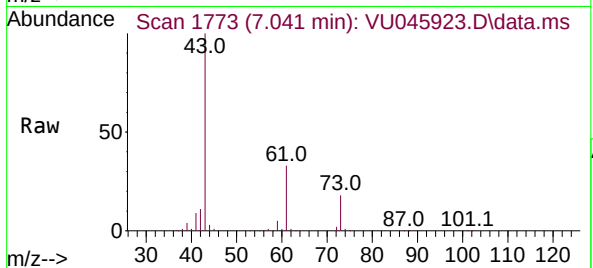
ClientSampleId :

Tgt Ion: 63 Resp: 1113

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 2.741 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.061 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

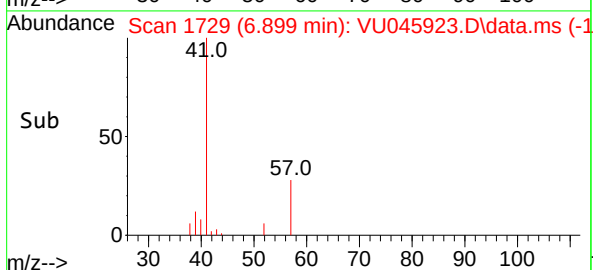
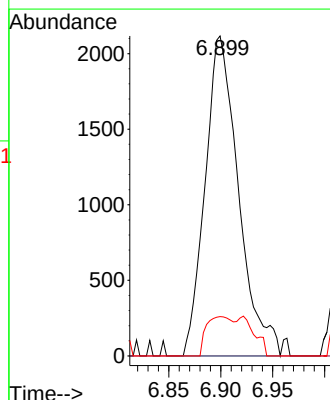
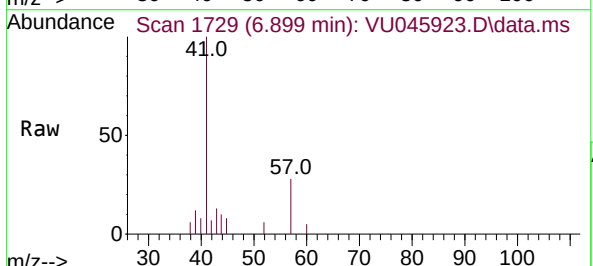
Tgt Ion: 41 Resp: 4734

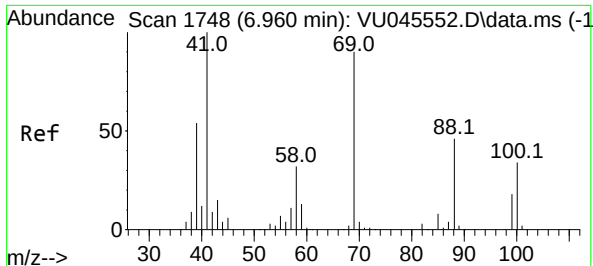
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 2.432 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.080 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

ClientSampleId :

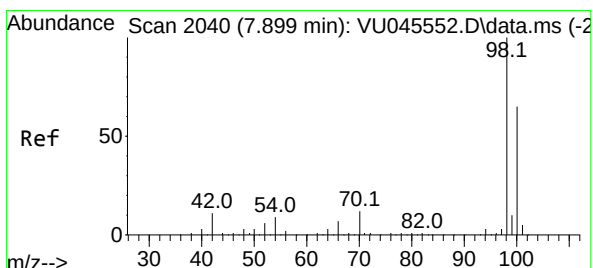
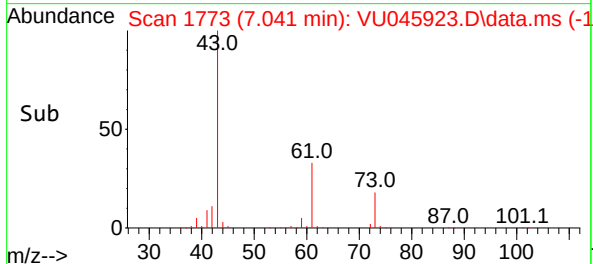
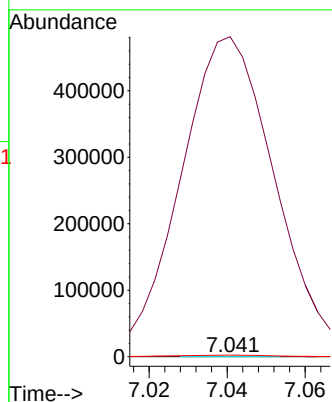
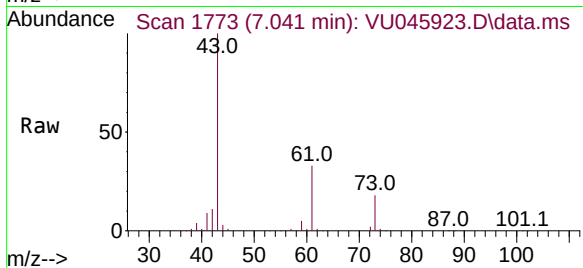
Tgt Ion: 88 Resp: 108

Ion Ratio Lower Upper

88 100

43 775951.9 0.0 0.0#

58 3913.9 58.7 88.1#



#50

Toluene-d8

Concen: 52.399 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045923.D

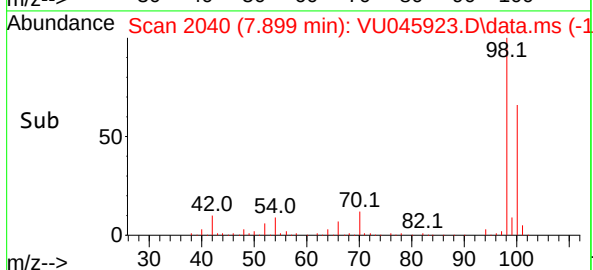
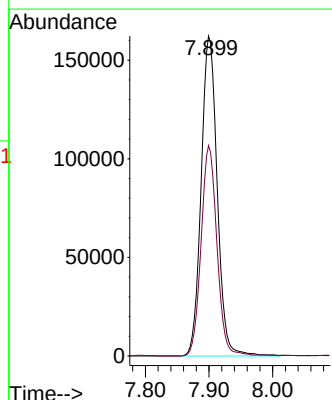
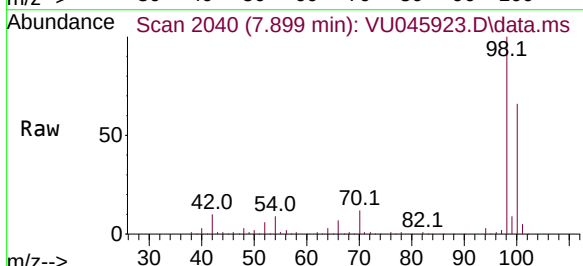
Acq: 22 Nov 2021 18:39

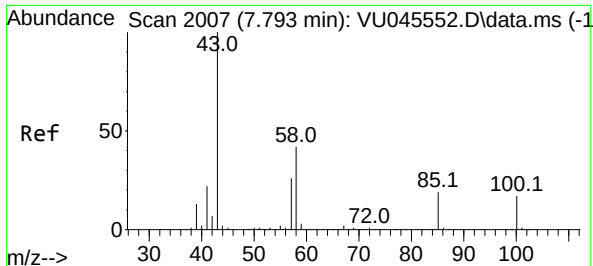
Tgt Ion: 98 Resp: 284928

Ion Ratio Lower Upper

98 100

100 65.0 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 1.784 ug/l

RT: 7.790 min Scan# 2007

Delta R.T. -0.003 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

Instrument :

MSVOA_U

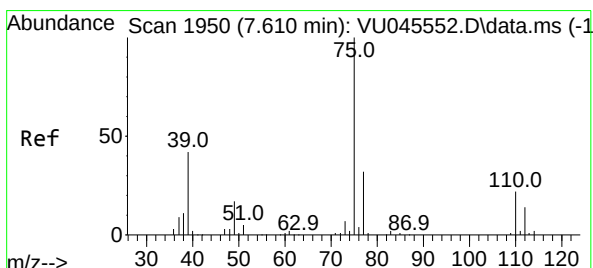
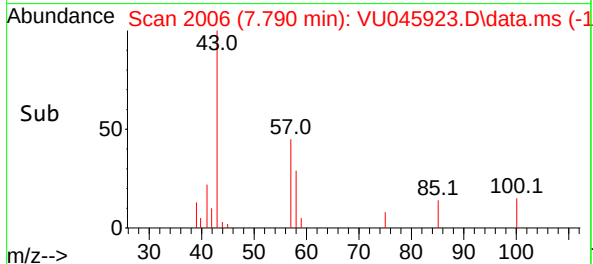
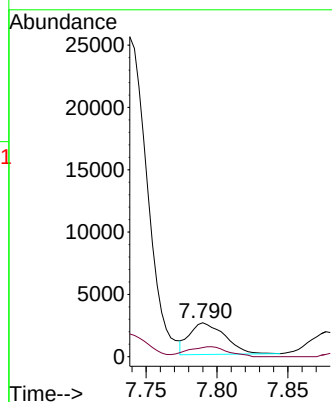
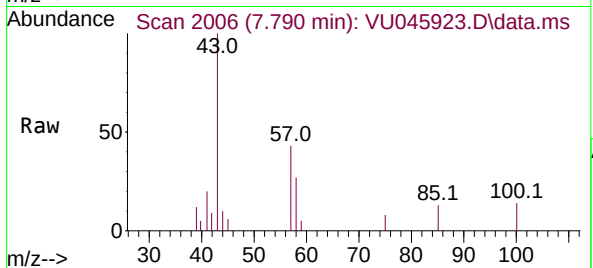
ClientSampleId :

Tgt Ion: 43 Resp: 4417

Ion Ratio Lower Upper

43 100

58 35.3 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 8.534 ug/l

RT: 7.738 min Scan# 1990

Delta R.T. 0.129 min

Lab File: VU045923.D

Acq: 22 Nov 2021 18:39

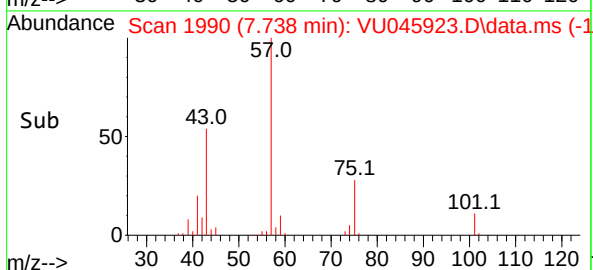
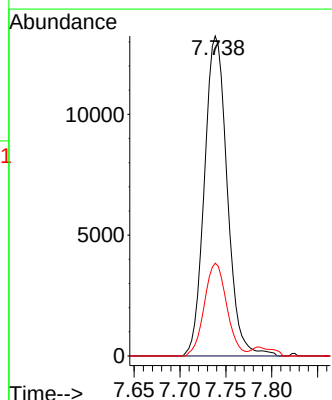
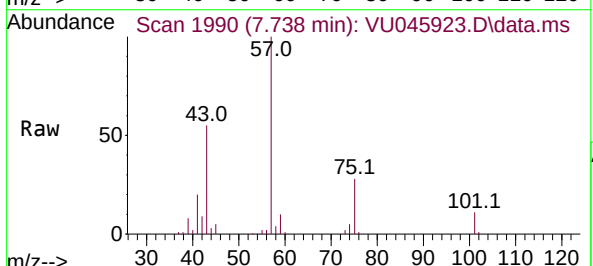
Tgt Ion: 75 Resp: 22913

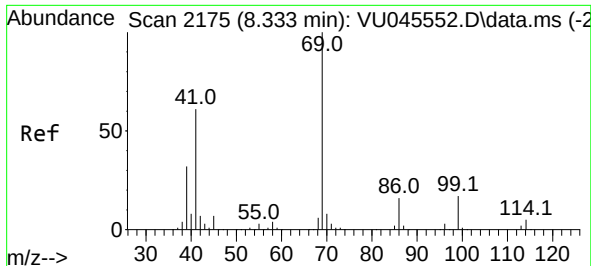
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 29.0 37.1 55.7#

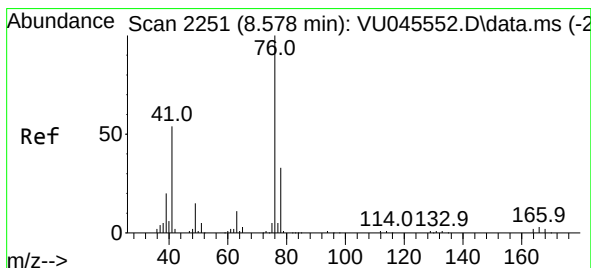
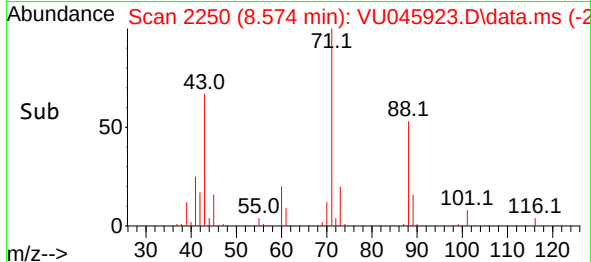
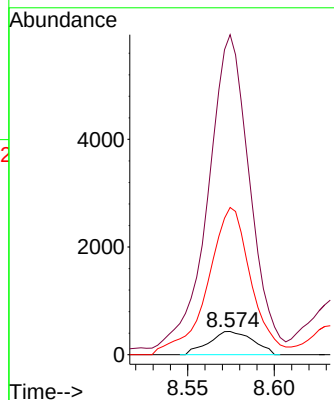
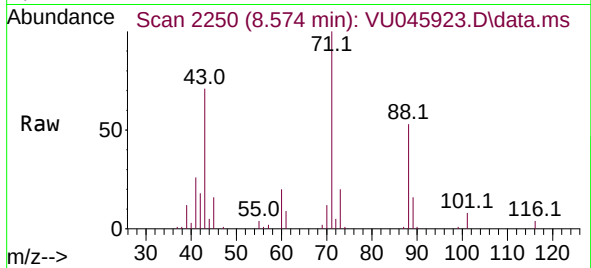




#56
Ethyl methacrylate
Concen: 2.676 ug/l
RT: 8.574 min Scan# 2175
Delta R.T. 0.241 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

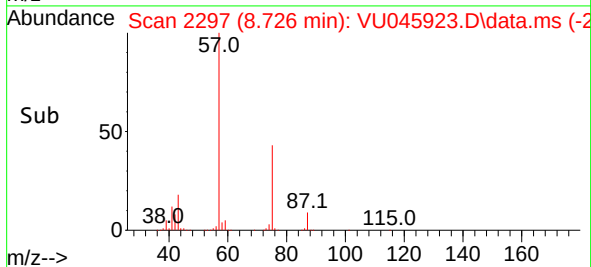
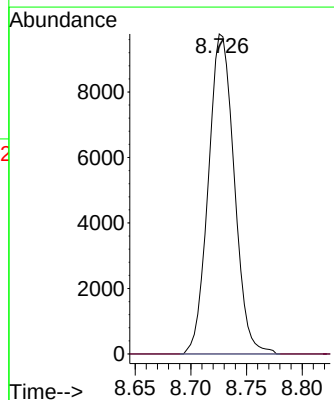
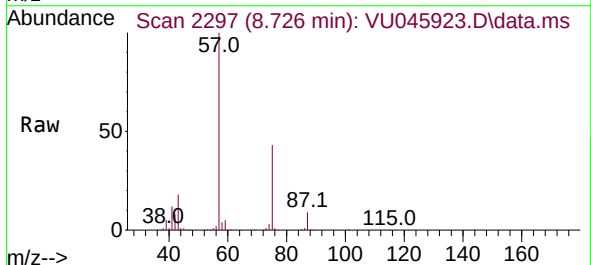
Instrument :
MSVOA_U
ClientSampleId :

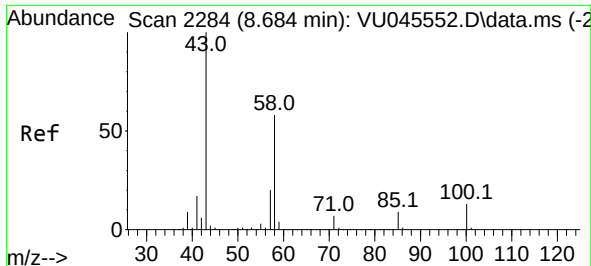
Tgt Ion: 69 Resp: 763
Ion Ratio Lower Upper
69 100
41 1252.6 51.0 76.4#
39 618.7 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.466 ug/l
RT: 8.726 min Scan# 2297
Delta R.T. 0.148 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 76 Resp: 15794
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

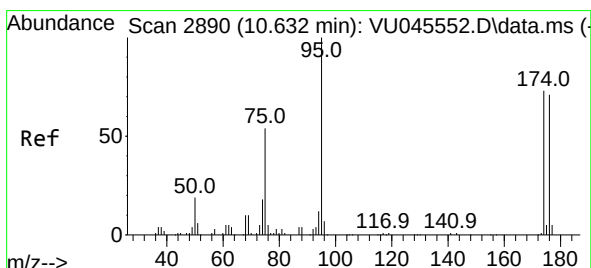
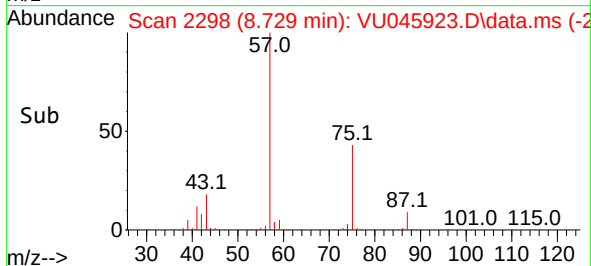
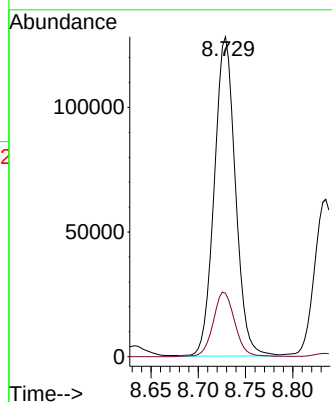
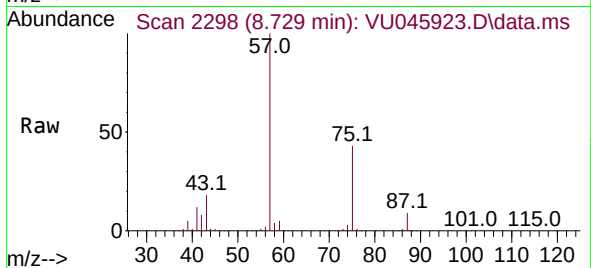




#59
2-Hexanone
Concen: 97.127 ug/l
RT: 8.729 min Scan# 21
Delta R.T. 0.045 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

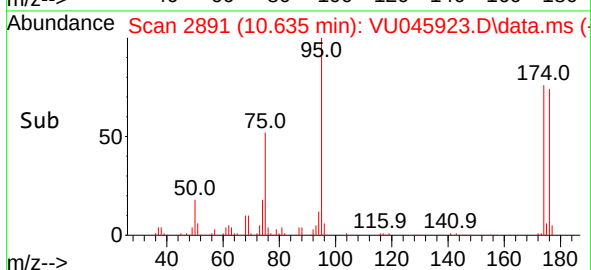
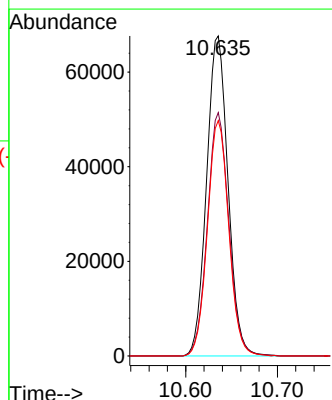
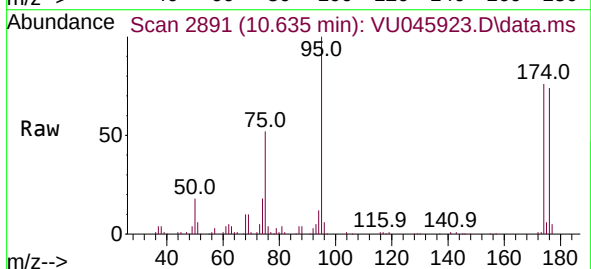
Instrument :
MSVOA_U
ClientSampleId :

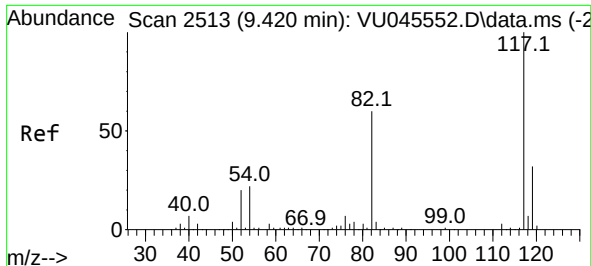
Tgt Ion: 43 Resp: 198962
Ion Ratio Lower Upper
43 100
58 20.9 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 50.355 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.003 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 95 Resp: 109798
Ion Ratio Lower Upper
95 100
174 76.4 0.0 141.8
176 73.2 0.0 138.2

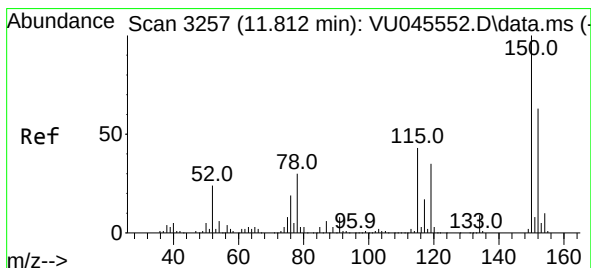
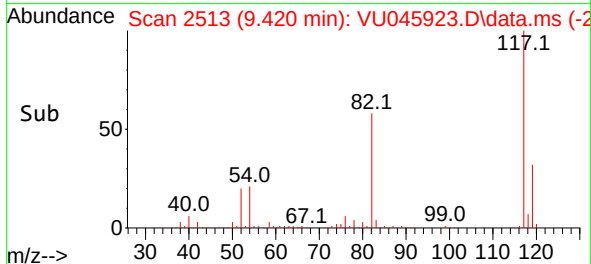
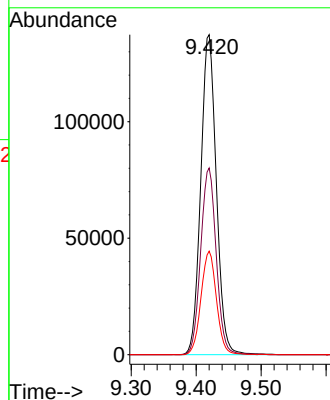
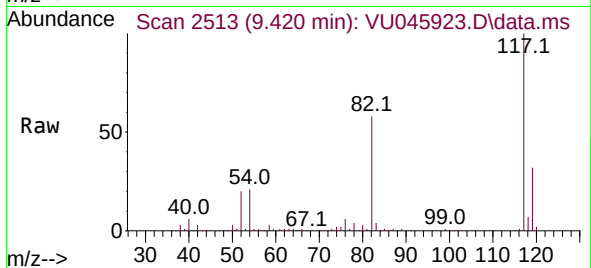




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

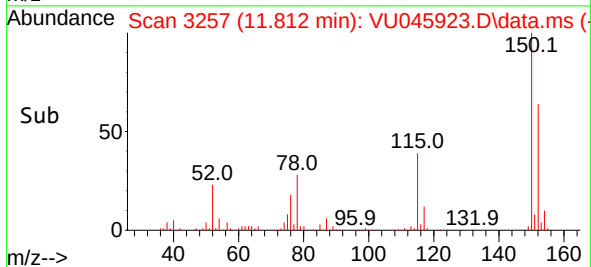
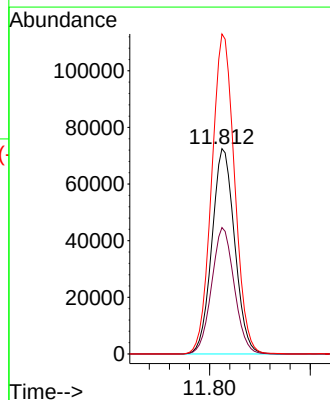
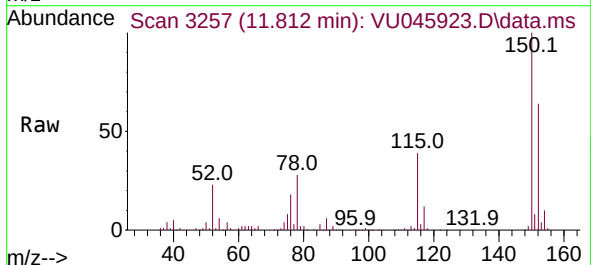
Instrument :
MSVOA_U
ClientSampleId :

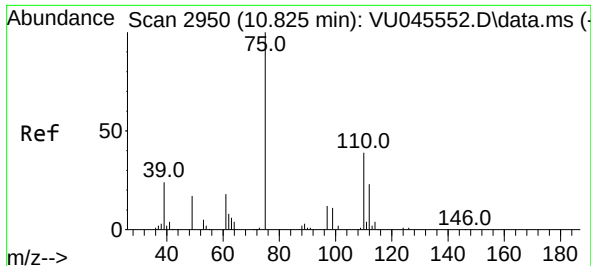
Tgt Ion:117 Resp: 229362
Ion Ratio Lower Upper
117 100
82 58.3 47.8 71.8
119 32.3 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion:152 Resp: 113952
Ion Ratio Lower Upper
152 100
115 61.2 42.7 128.1
150 156.8 0.0 346.8

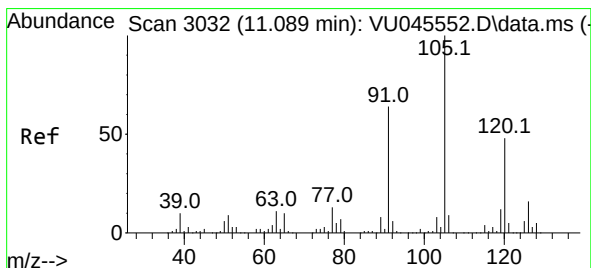
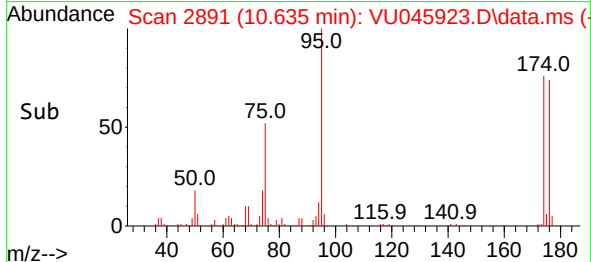
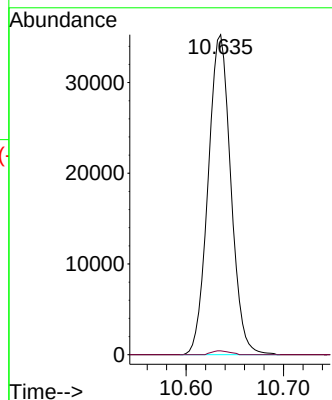
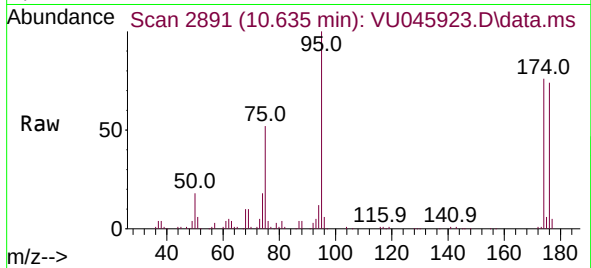




#76
1,2,3-Trichloropropane
Concen: 16.541 ug/l
RT: 10.635 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

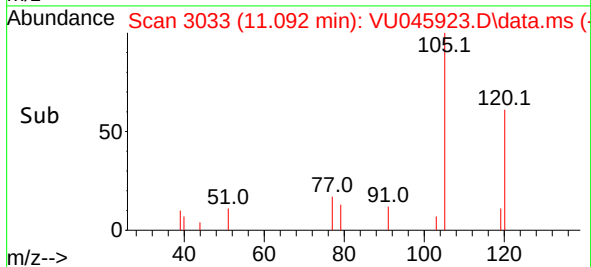
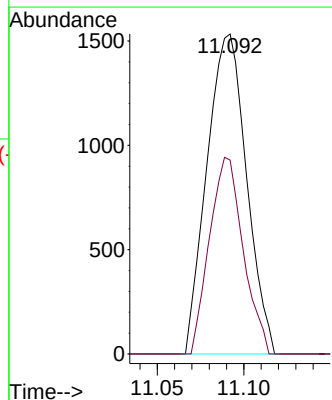
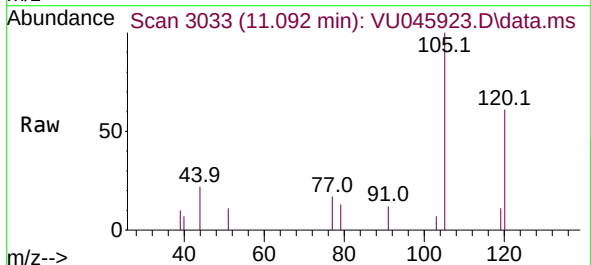
Instrument :
MSVOA_U
ClientSampleId :

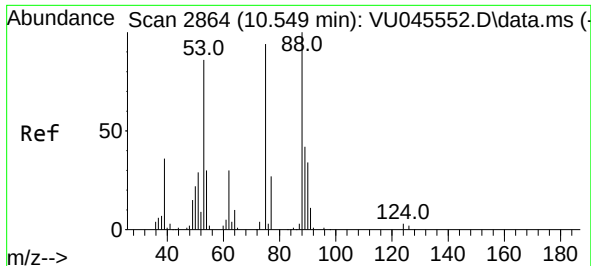
Tgt Ion: 75 Resp: 57162
Ion Ratio Lower Upper
75 100
77 1.0 17.1 51.3#



#80
1,3,5-Trimethylbenzene
Concen: 0.375 ug/l
RT: 11.092 min Scan# 3033
Delta R.T. 0.003 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion:105 Resp: 2437
Ion Ratio Lower Upper
105 100
120 52.4 23.9 71.8

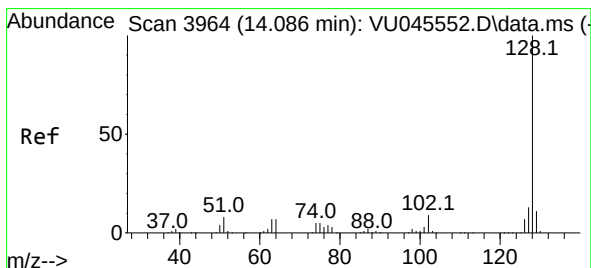
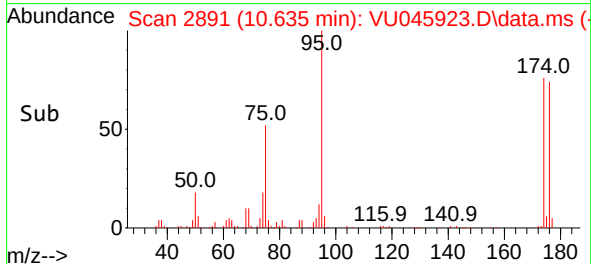
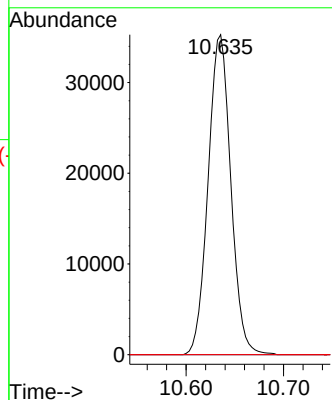
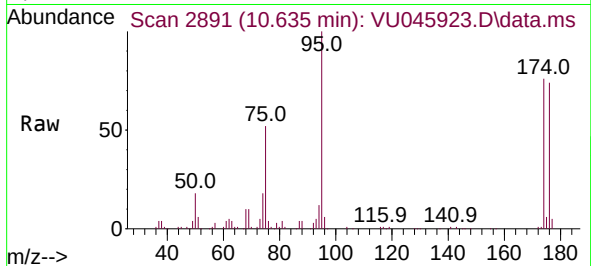




#81
trans-1,4-Dichloro-2-butene
Concen: 53.938 ug/l
RT: 10.635 min Scan# 21
Delta R.T. 0.086 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Instrument :
MSVOA_U
ClientSampleId :

Tgt Ion: 75 Resp: 57162
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#



#95
Naphthalene
Concen: 1.036 ug/l
RT: 14.089 min Scan# 3965
Delta R.T. 0.003 min
Lab File: VU045923.D
Acq: 22 Nov 2021 18:39

Tgt Ion: 128 Resp: 64
Ion Ratio Lower Upper
128 100
127 0.0 10.6 15.8#
129 0.0 8.6 13.0#

