

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045942.D
 Acq On : 23 Nov 2021 02:52
 Operator : SY/MD
 Sample : M4795-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

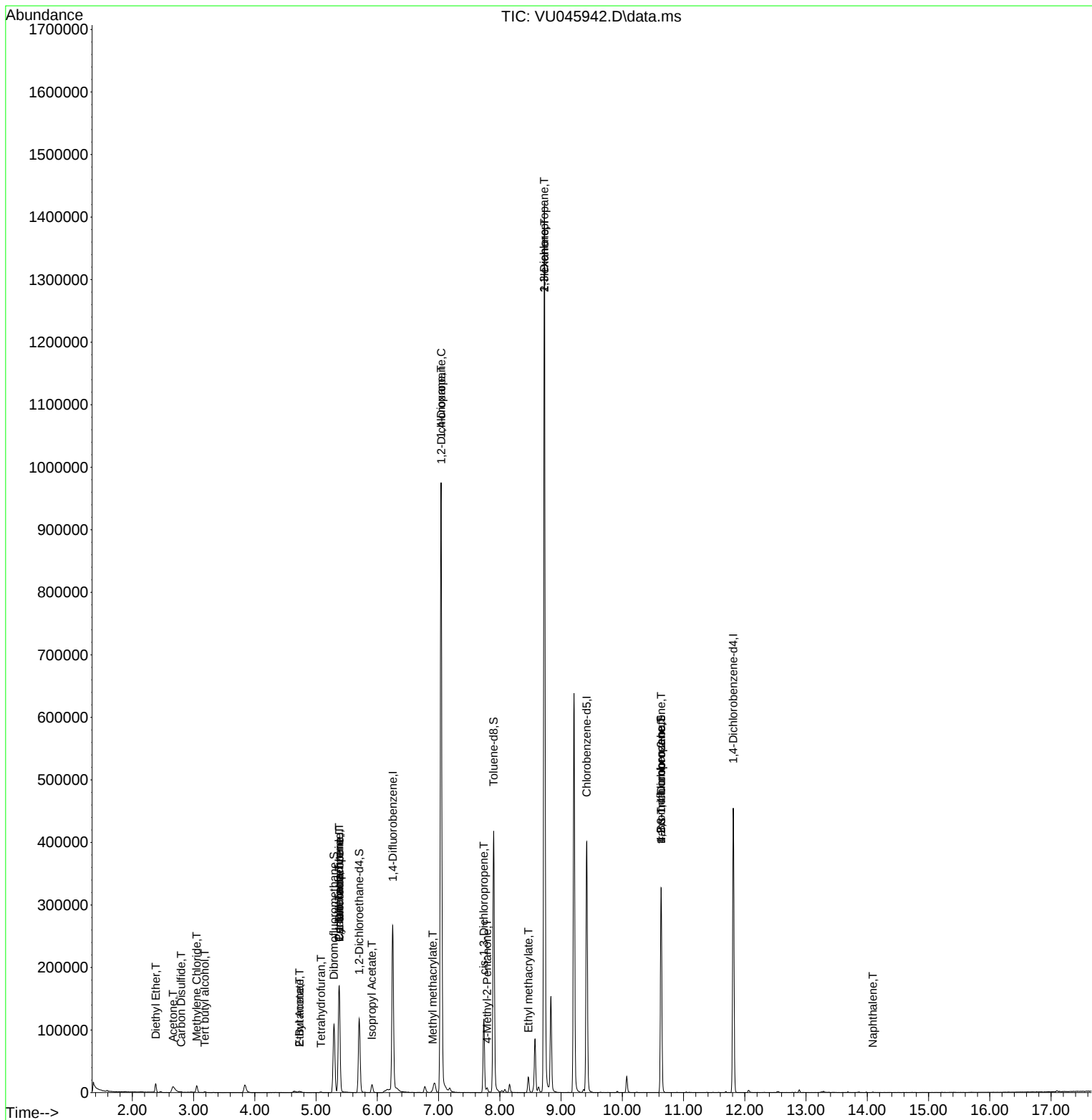
Quant Time: Nov 23 06:52:04 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
 Quant Title : SW846 8260
 QLast Update : Fri Nov 05 13:35:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.378	168	116890	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	213977	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	228762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	118968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	88442	50.522	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.040%			
35) Dibromofluoromethane	5.292	113	70754	49.526	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	7.899	98	282980	53.269	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 106.540%			
62) 4-Bromofluorobenzene	10.632	95	112643	52.879	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.760%			
Target Compounds						Qvalue
8) Diethyl Ether	2.382	74	5003	5.658	ug/l	100
11) Tert butyl alcohol	3.182	59	716	2.066	ug/l #	72
16) Acetone	2.665	43	27318	30.656	ug/l	98
17) Carbon Disulfide	2.796	76	862	0.239	ug/l #	75
20) Methylene Chloride	3.050	84	5215	3.368	ug/l	92
25) 2-Butanone	4.729	43	4276	3.460	ug/l	99
29) Tetrahydrofuran	5.079	42	898	1.188	ug/l #	70
31) Cyclohexane	5.375	56	2299	0.900	ug/l #	1
36) 1,1-Dichloropropene	5.378	75	9686	4.642	ug/l #	47
37) Ethyl Acetate	4.729	43	4276	1.784	ug/l #	67
38) Carbon Tetrachloride	5.375	117	12839	6.104	ug/l #	16
43) Isopropyl Acetate	5.912	43	13790	3.762	ug/l	99
45) 1,2-Dichloropropane	7.044	63	1111	0.680	ug/l #	43
48) Methyl methacrylate	6.906	41	6282	3.723	ug/l #	13
49) 1,4-Dioxane	7.041	88	44	1.014	ug/l #	1
51) 4-Methyl-2-Pentanone	7.793	43	4994	2.065	ug/l	96
54) cis-1,3-Dichloropropene	7.738	75	22130	8.436	ug/l #	59
56) Ethyl methacrylate	8.468	69	101	2.458	ug/l #	1
57) 1,3-Dichloropropane	8.725	76	15399	5.455	ug/l #	42
59) 2-Hexanone	8.729	43	185436	93.007	ug/l #	50
76) 1,2,3-Trichloropropane	10.635	75	58333	16.169	ug/l #	43
81) trans-1,4-Dichloro-2-b...	10.635	75	58333	52.790	ug/l #	12
95) Naphthalene	14.092	128	795	1.110	ug/l #	69

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

Quant Time: Nov 23 06:52:04 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

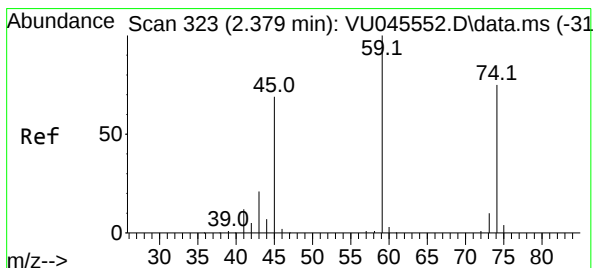
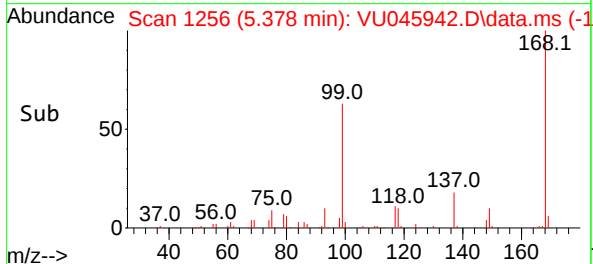
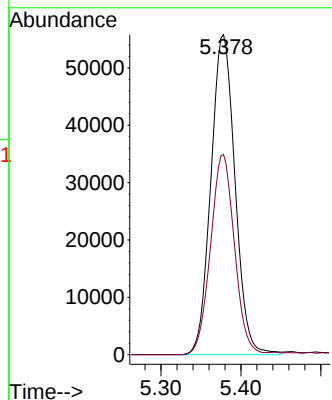
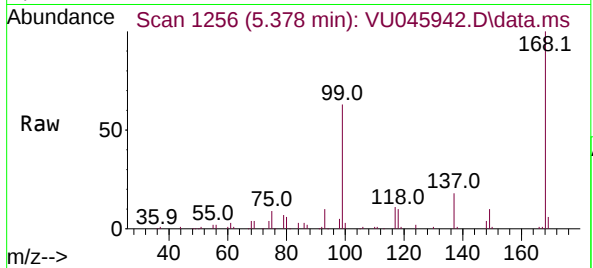




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

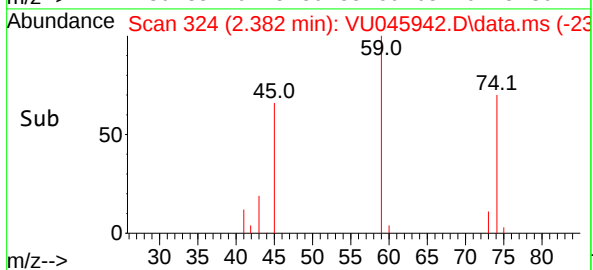
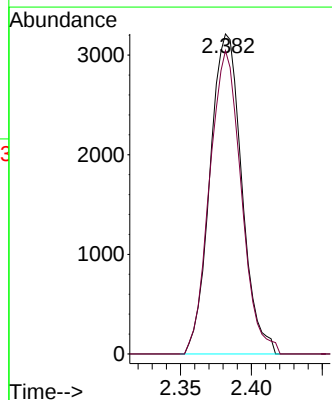
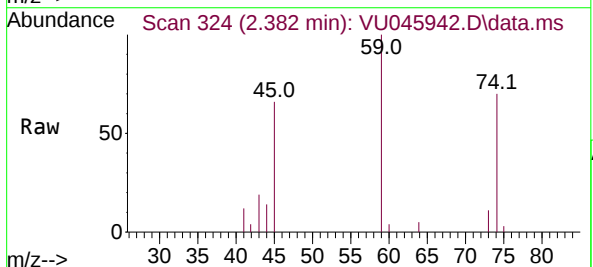
Instrument :
MSVOA_U
ClientSampleId :

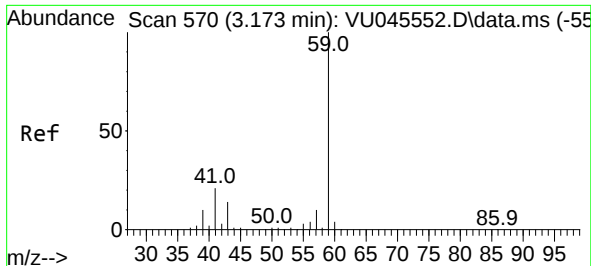
Tgt Ion:168 Resp: 116890
Ion Ratio Lower Upper
168 100
99 62.6 51.0 76.6



#8
Diethyl Ether
Concen: 5.658 ug/l
RT: 2.382 min Scan# 324
Delta R.T. 0.003 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 74 Resp: 5003
Ion Ratio Lower Upper
74 100
45 94.5 47.3 141.8

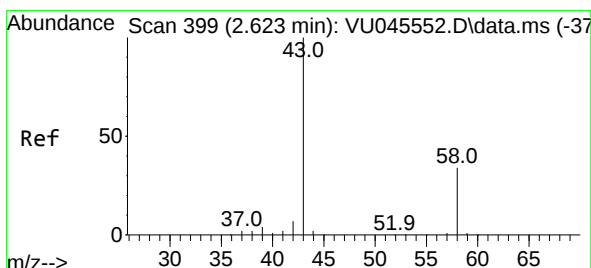
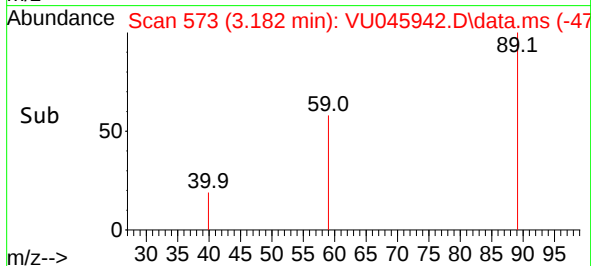
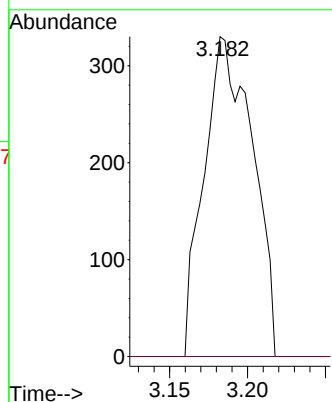
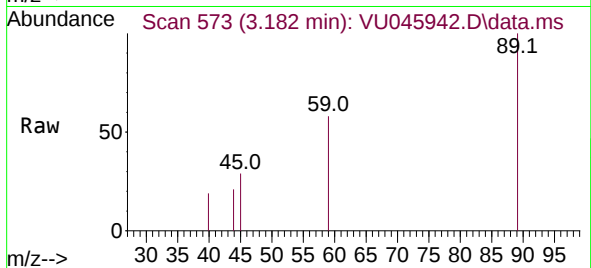




#11
Tert butyl alcohol
Concen: 2.066 ug/l
RT: 3.182 min Scan# 51
Delta R.T. 0.010 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

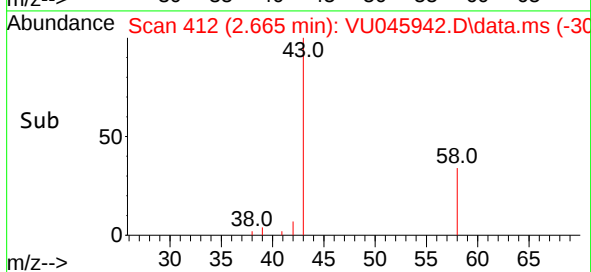
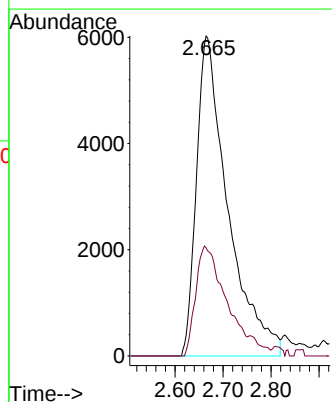
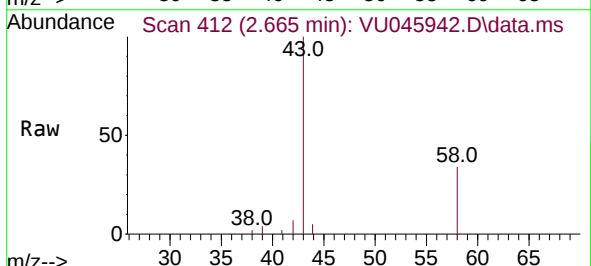
Instrument :
MSVOA_U
ClientSampleId :

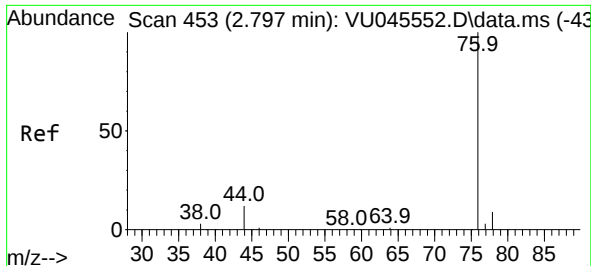
Tgt Ion: 59 Resp: 716
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#16
Acetone
Concen: 30.656 ug/l
RT: 2.665 min Scan# 412
Delta R.T. 0.042 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

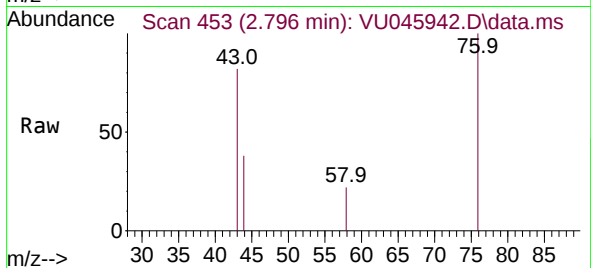
Tgt Ion: 43 Resp: 27318
Ion Ratio Lower Upper
43 100
58 33.7 26.2 39.2



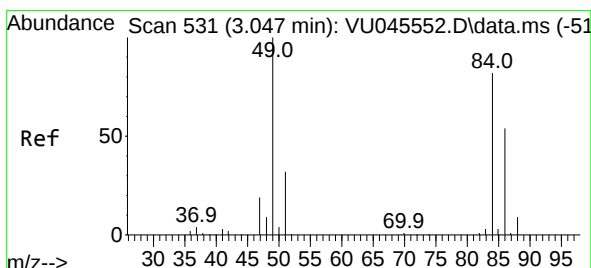
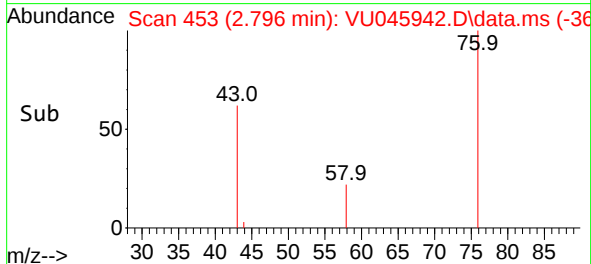
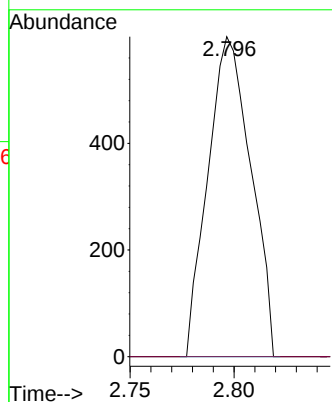


#17
Carbon Disulfide
Concen: 0.239 ug/l
RT: 2.796 min Scan# 41
Delta R.T. -0.000 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Instrument :
MSVOA_U
ClientSampleId :

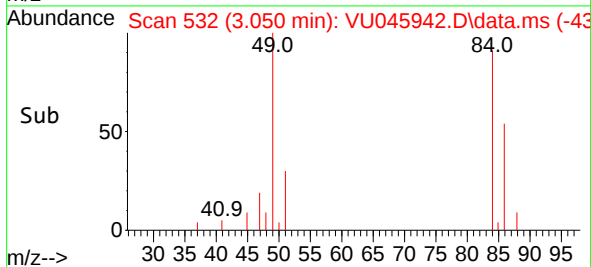
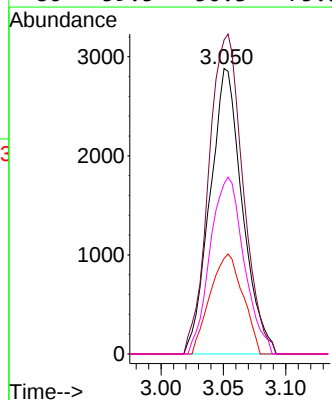
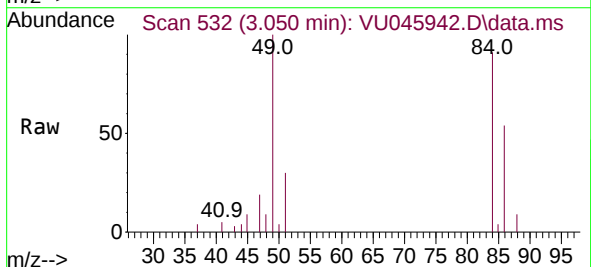


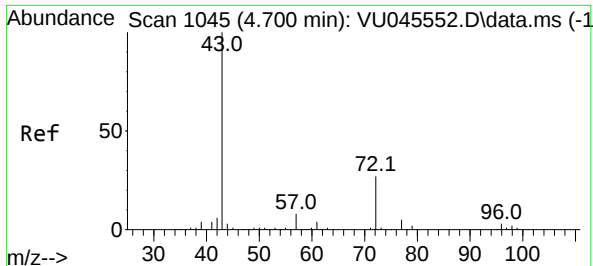
Tgt Ion: 76 Resp: 862
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 3.368 ug/l
RT: 3.050 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 84 Resp: 5215
Ion Ratio Lower Upper
84 100
49 109.9 96.4 144.6
51 33.4 30.5 45.7
86 59.5 50.3 75.5





#25

2-Butanone

Concen: 3.460 ug/l

RT: 4.729 min Scan# 1105

Delta R.T. 0.029 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

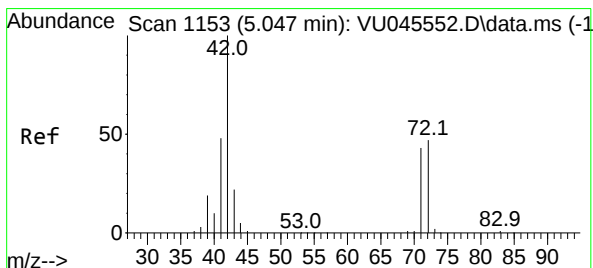
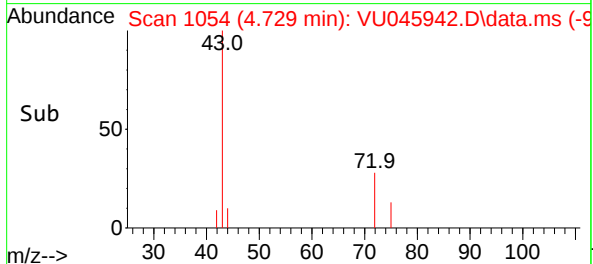
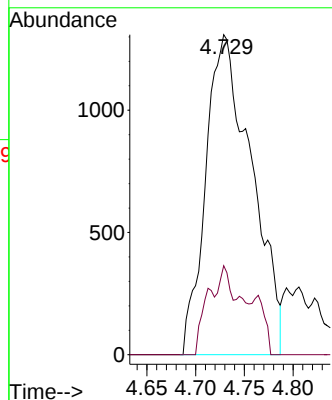
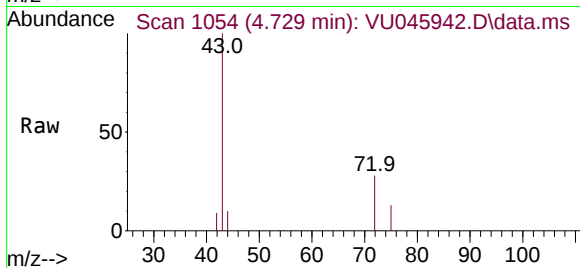
ClientSampleId :

Tgt Ion: 43 Resp: 4276

Ion Ratio Lower Upper

43 100

72 27.8 22.0 33.0



#29

Tetrahydrofuran

Concen: 1.188 ug/l

RT: 5.079 min Scan# 1163

Delta R.T. 0.032 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

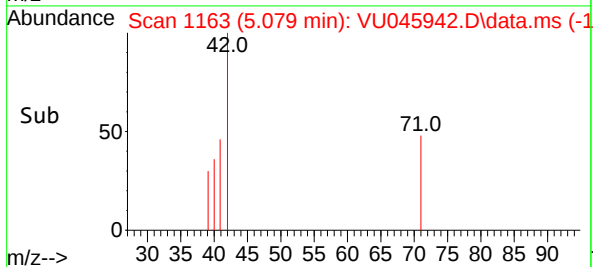
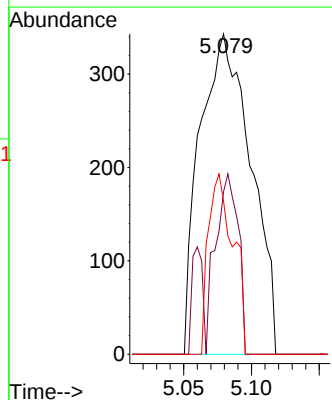
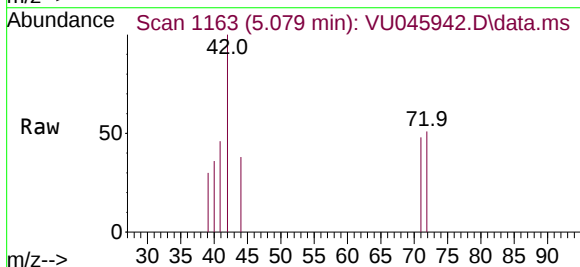
Tgt Ion: 42 Resp: 898

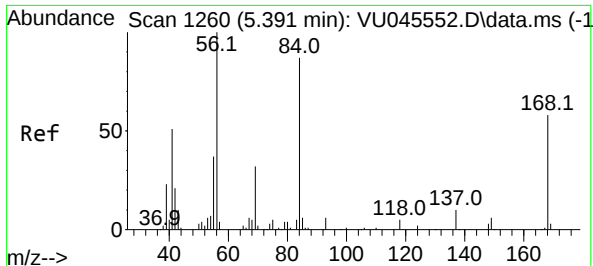
Ion Ratio Lower Upper

42 100

72 24.8 38.2 57.4#

71 27.4 35.4 53.2#





#31

Cyclohexane

Concen: 0.900 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.016 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

ClientSampleId :

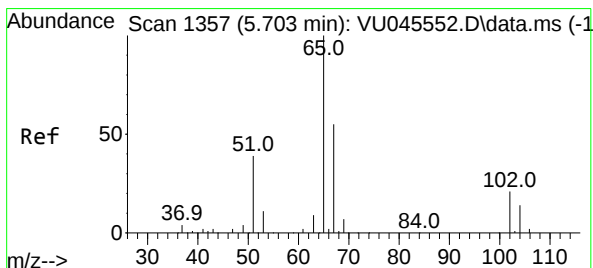
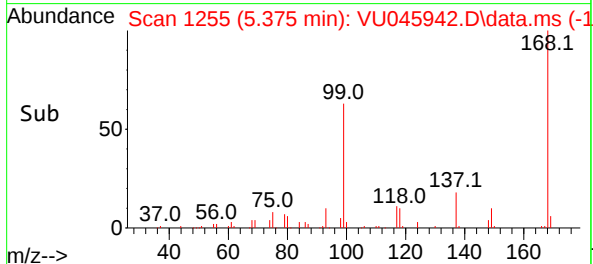
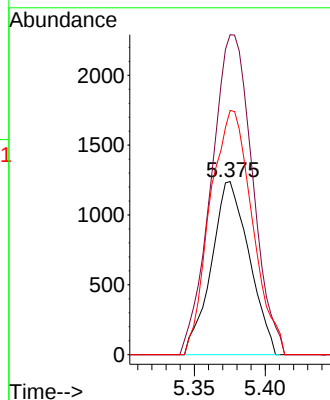
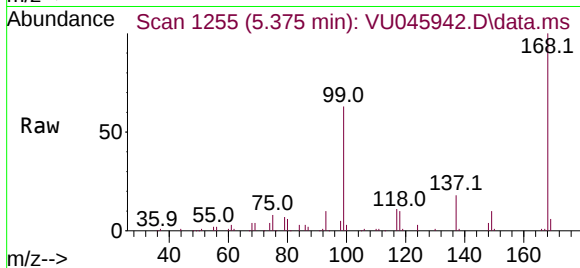
Tgt Ion: 56 Resp: 2299

Ion Ratio Lower Upper

56 100

69 184.9 26.4 39.6#

84 141.1 68.4 102.6#



#33

1,2-Dichloroethane-d4

Concen: 50.522 ug/l

RT: 5.703 min Scan# 1357

Delta R.T. -0.000 min

Lab File: VU045942.D

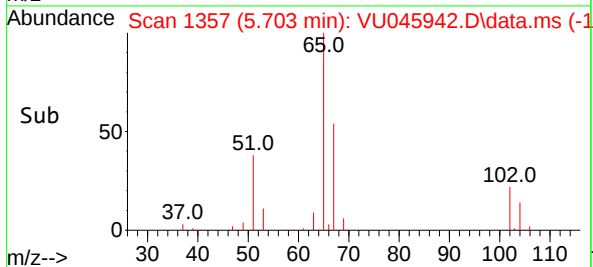
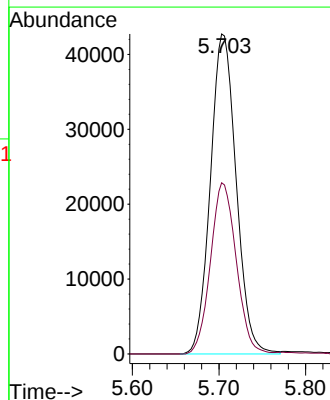
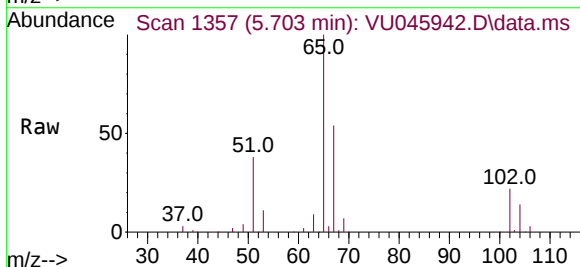
Acq: 23 Nov 2021 02:52

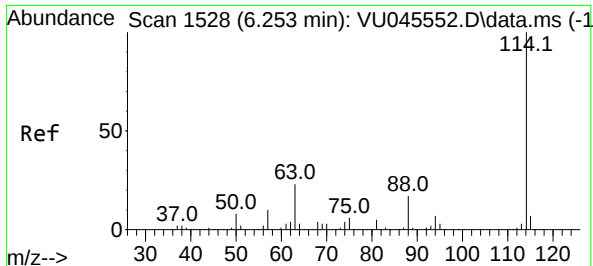
Tgt Ion: 65 Resp: 88442

Ion Ratio Lower Upper

65 100

67 53.4 0.0 105.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.253 min Scan# 1

Delta R.T. -0.000 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

ClientSampleId :

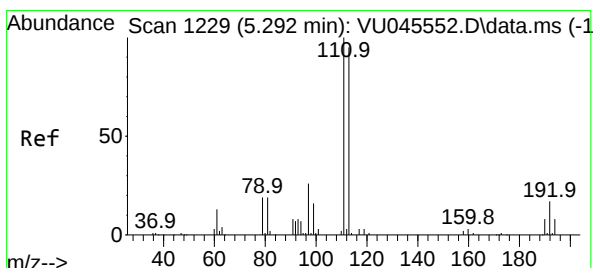
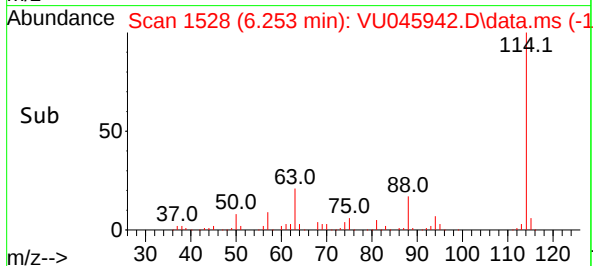
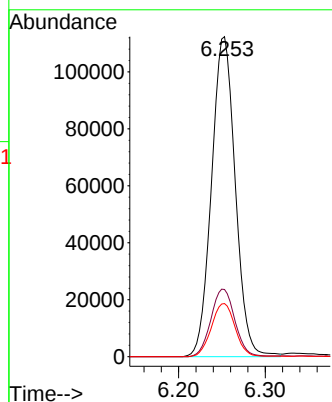
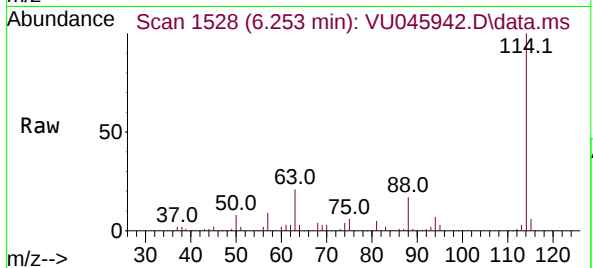
Tgt Ion:114 Resp: 213977

Ion Ratio Lower Upper

114 100

63 21.0 0.0 45.6

88 16.6 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.526 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

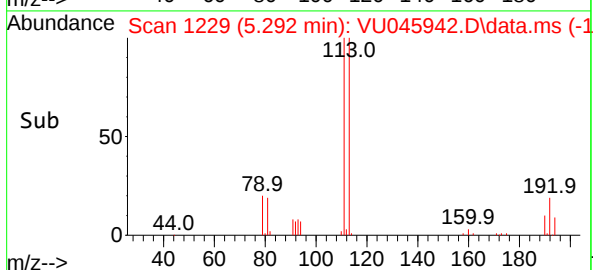
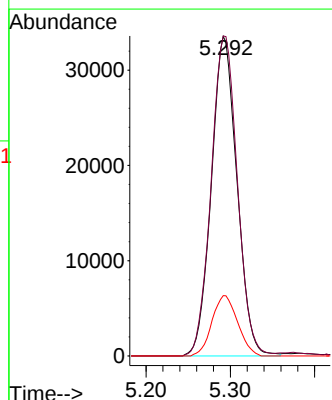
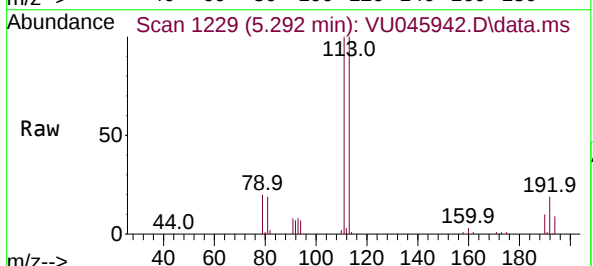
Tgt Ion:113 Resp: 70754

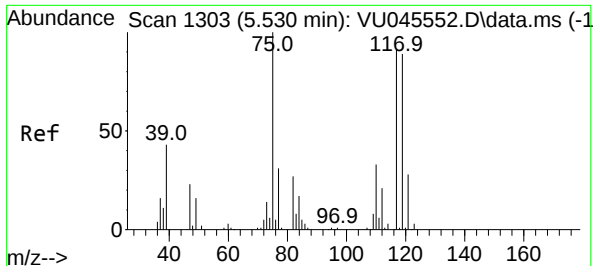
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.9 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.642 ug/l

RT: 5.378 min Scan# 11

Delta R.T. -0.151 min

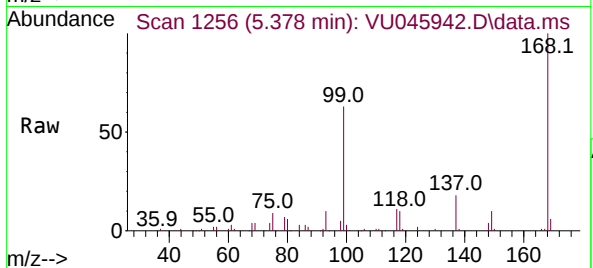
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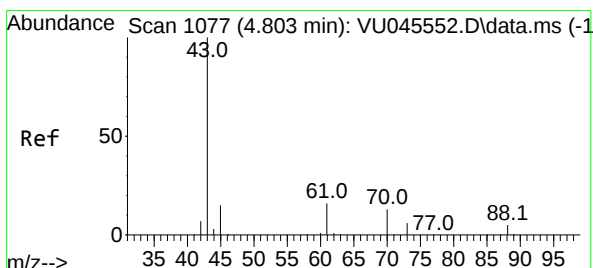
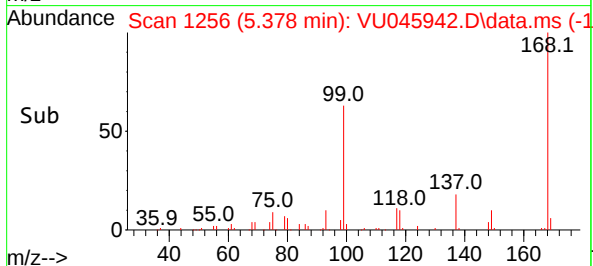
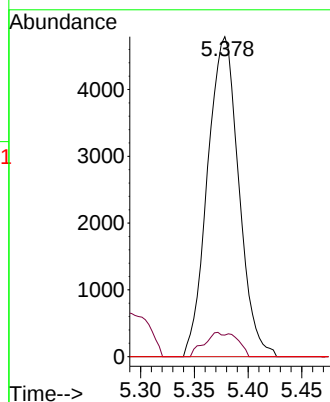
Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:	75	Resp:	9686
Ion Ratio	Lower	Upper	
75	100		
110	5.0	16.7	50.0#
77	0.0	25.0	37.4#



#37

Ethyl Acetate

Concen: 1.784 ug/l

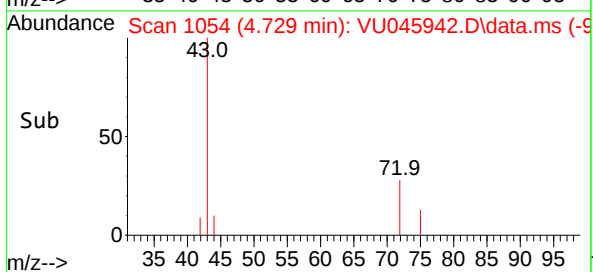
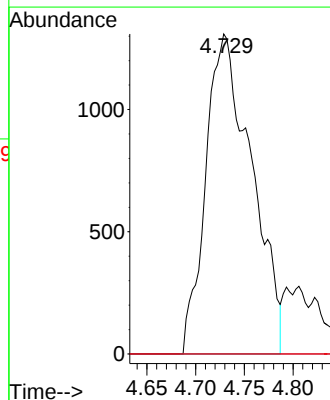
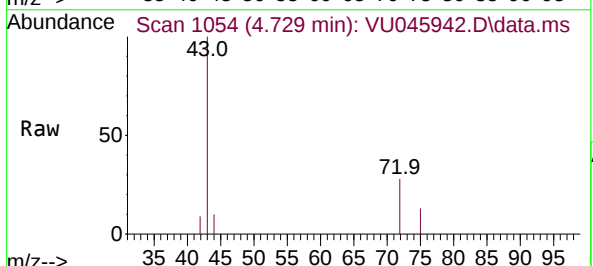
RT: 4.729 min Scan# 1054

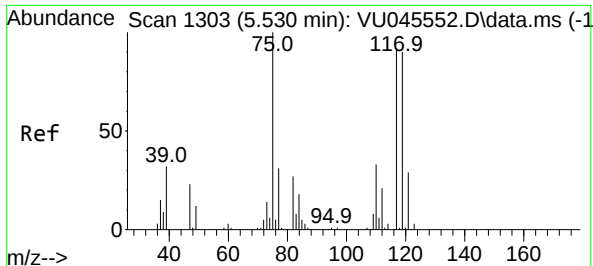
Delta R.T. -0.074 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

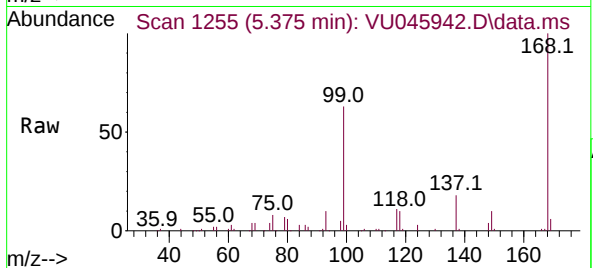
Tgt Ion:	43	Resp:	4276
Ion Ratio	Lower	Upper	
43	100		
61	0.0	11.6	17.4#
70	0.0	9.1	13.7#



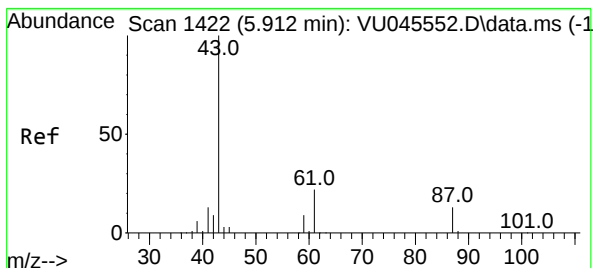
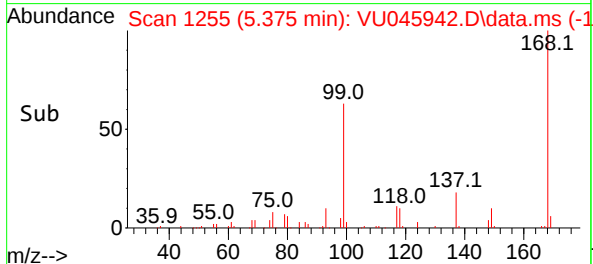
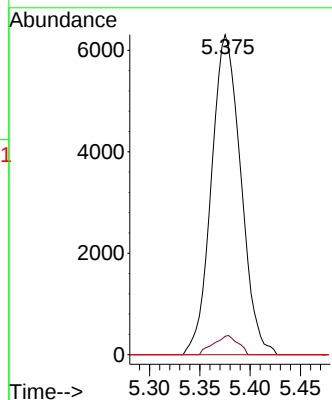


#38
Carbon Tetrachloride
Concen: 6.104 ug/l
RT: 5.375 min Scan# 117
Delta R.T. -0.154 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Instrument :
MSVOA_U
ClientSampleId :

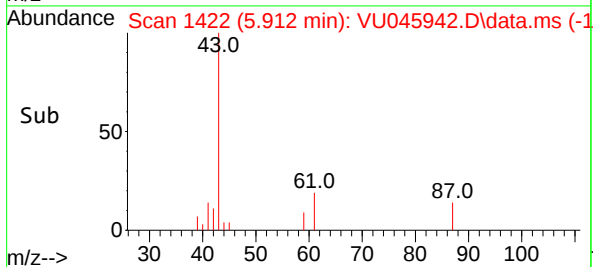
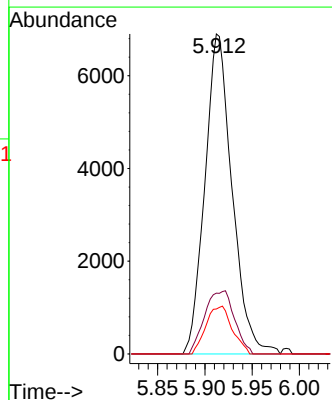
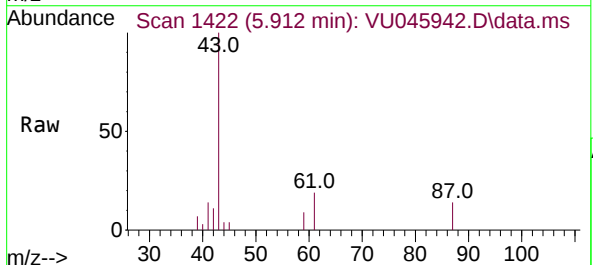


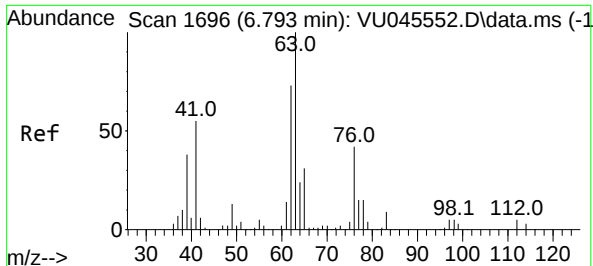
Tgt Ion:117 Resp: 12839
Ion Ratio Lower Upper
117 100
119 5.8 77.4 116.0#
121 0.0 24.8 37.2#



#43
Isopropyl Acetate
Concen: 3.762 ug/l
RT: 5.912 min Scan# 1422
Delta R.T. -0.000 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 43 Resp: 13790
Ion Ratio Lower Upper
43 100
61 21.6 16.9 25.3
87 14.4 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.680 ug/l

RT: 7.044 min Scan# 1

Delta R.T. 0.251 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

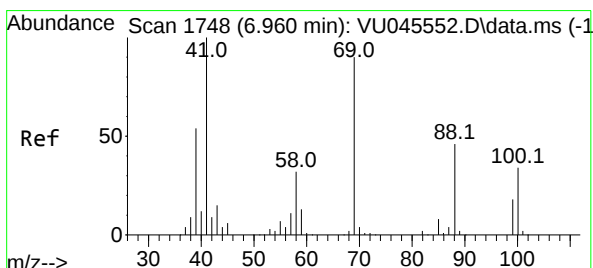
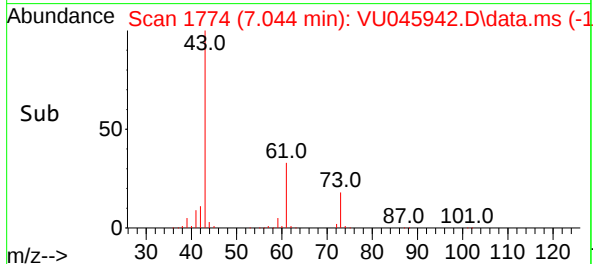
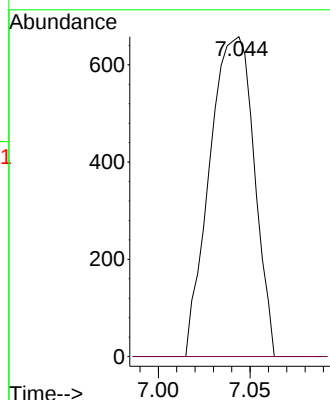
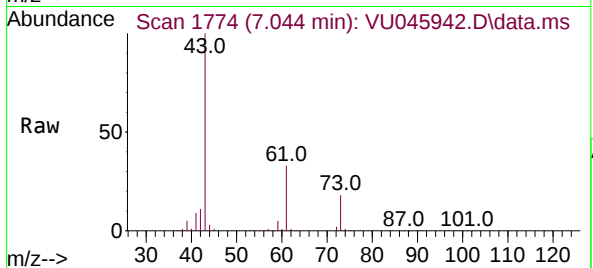
ClientSampleId :

Tgt Ion: 63 Resp: 1111

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 3.723 ug/l

RT: 6.906 min Scan# 1731

Delta R.T. -0.055 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

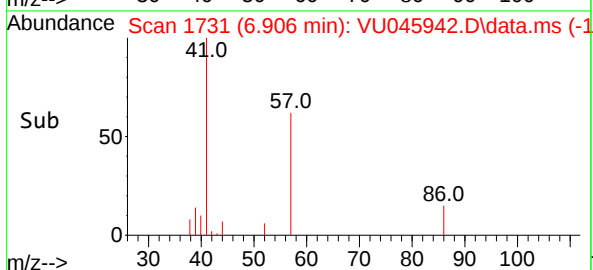
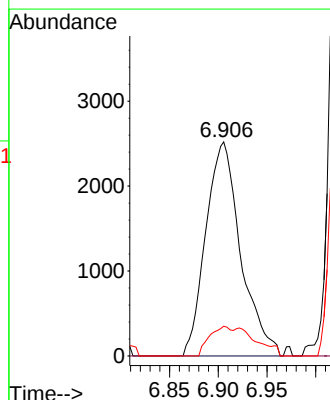
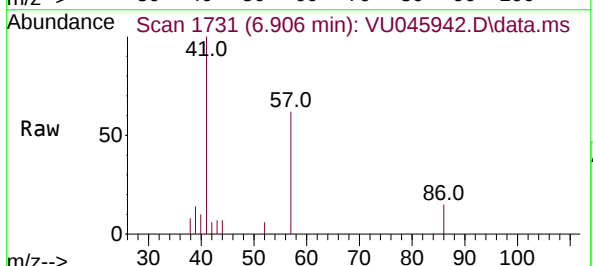
Tgt Ion: 41 Resp: 6282

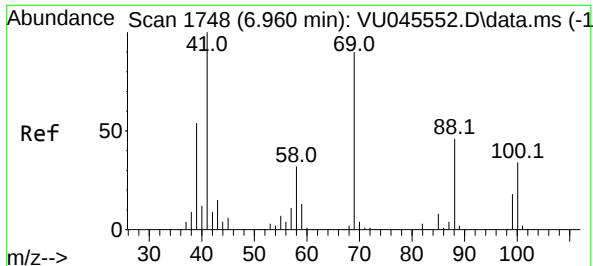
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 1.014 ug/l

RT: 7.041 min Scan# 11

Delta R.T. 0.080 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

ClientSampleId :

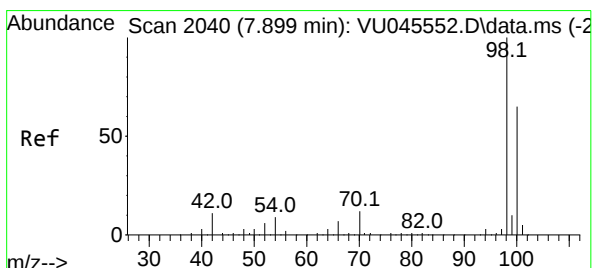
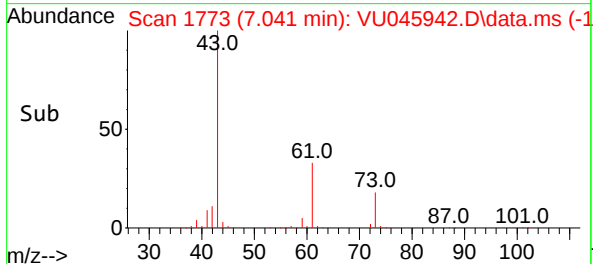
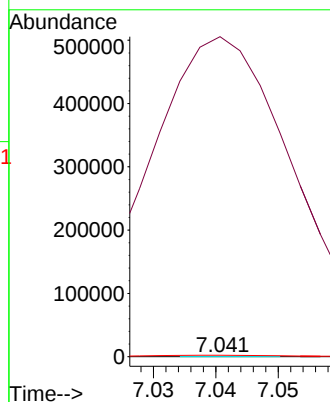
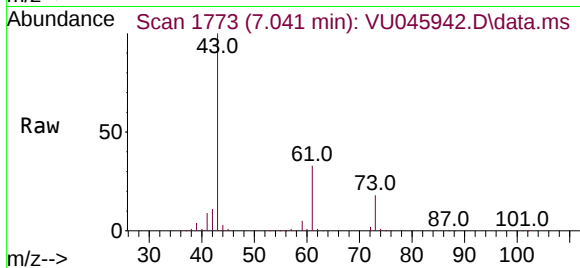
Tgt Ion: 88 Resp: 44

Ion Ratio Lower Upper

88 100

43 2055352.3 0.0 0.0#

58 9234.1 58.7 88.1#



#50

Toluene-d8

Concen: 53.269 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045942.D

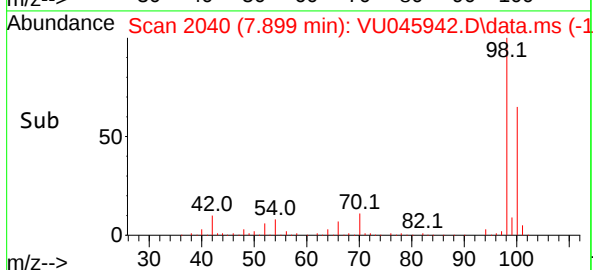
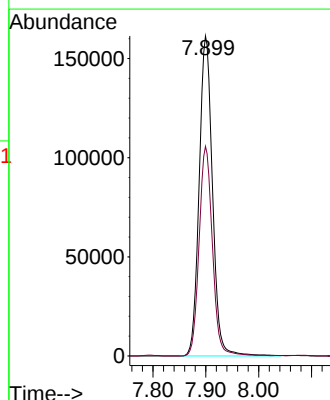
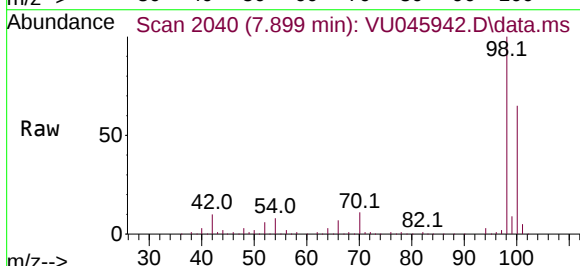
Acq: 23 Nov 2021 02:52

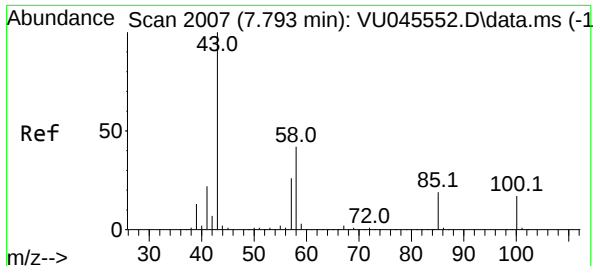
Tgt Ion: 98 Resp: 282980

Ion Ratio Lower Upper

98 100

100 65.4 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 2.065 ug/l

RT: 7.793 min Scan# 2007

Delta R.T. -0.000 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

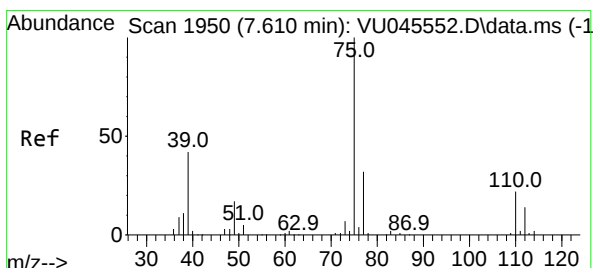
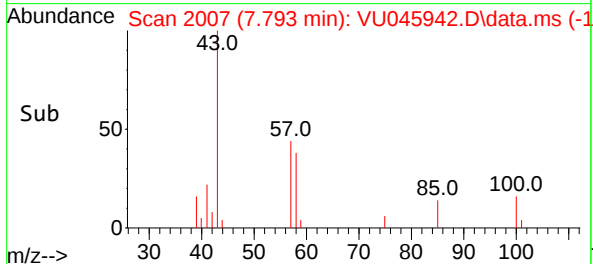
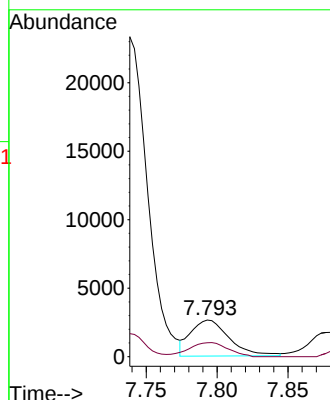
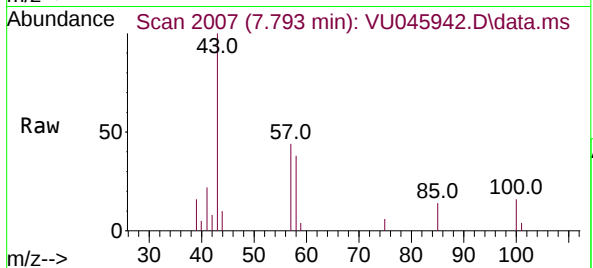
ClientSampleId :

Tgt Ion: 43 Resp: 4994

Ion Ratio Lower Upper

43 100

58 39.6 33.8 50.8



#54

cis-1,3-Dichloropropene

Concen: 8.436 ug/l

RT: 7.738 min Scan# 1990

Delta R.T. 0.128 min

Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

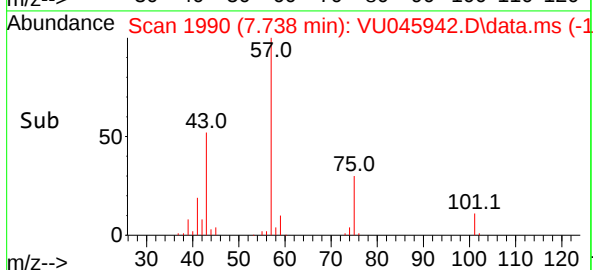
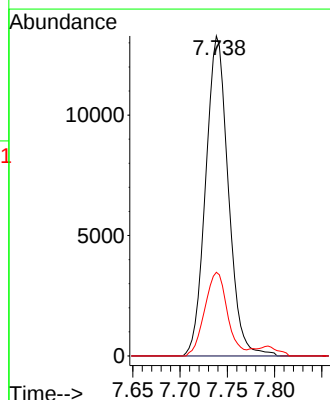
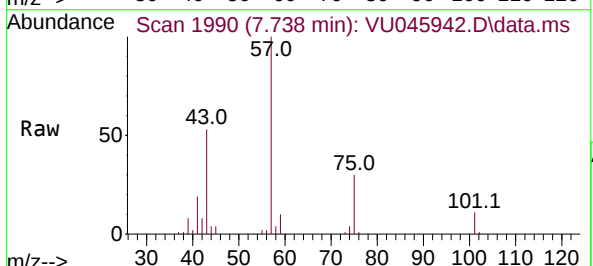
Tgt Ion: 75 Resp: 22130

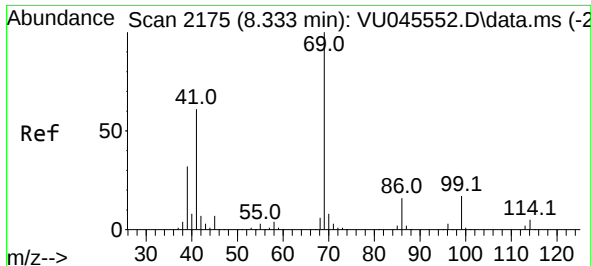
Ion Ratio Lower Upper

75 100

77 0.0 24.6 37.0#

39 26.2 37.1 55.7#

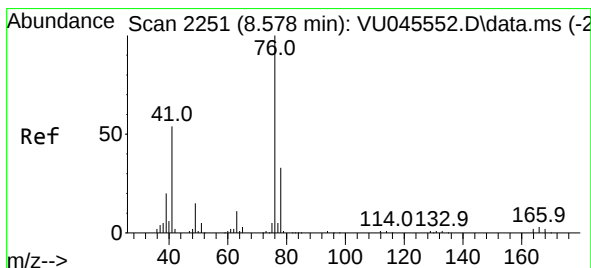
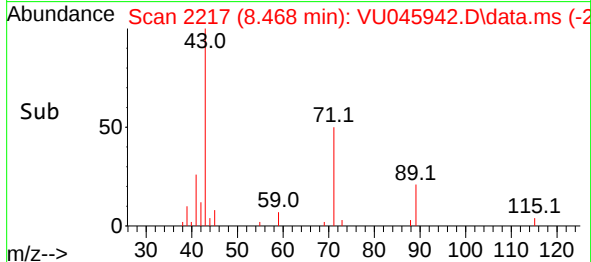
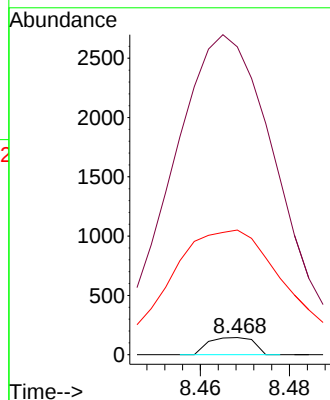
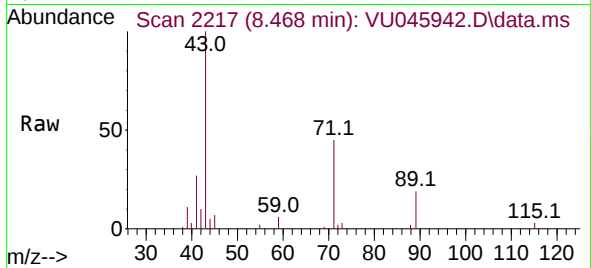




#56
Ethyl methacrylate
Concen: 2.458 ug/l
RT: 8.468 min Scan# 2175
Delta R.T. 0.135 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

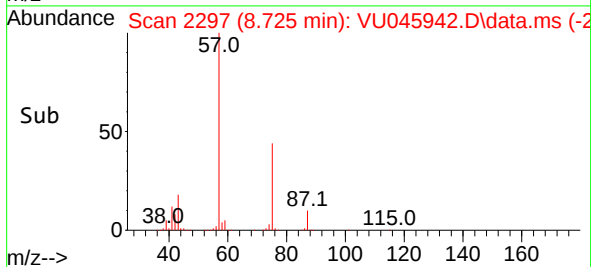
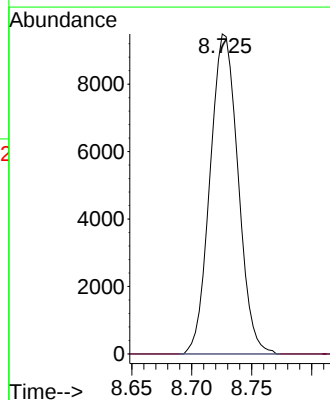
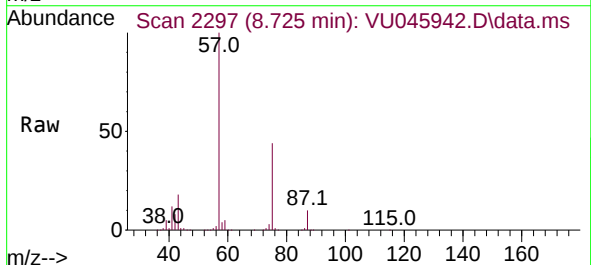
Instrument :
MSVOA_U
ClientSampleId :

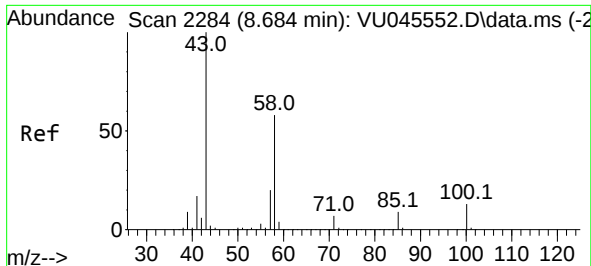
Tgt Ion: 69 Resp: 101
Ion Ratio Lower Upper
69 100
41 4656.4 51.0 76.4#
39 1926.7 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 5.455 ug/l
RT: 8.725 min Scan# 2297
Delta R.T. 0.148 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 76 Resp: 15399
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

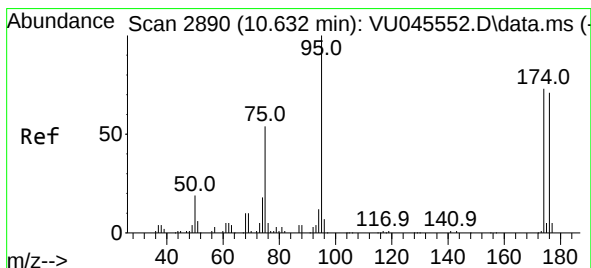
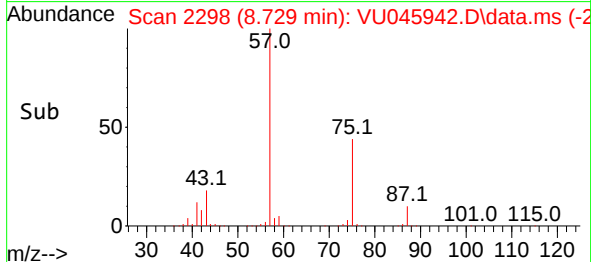
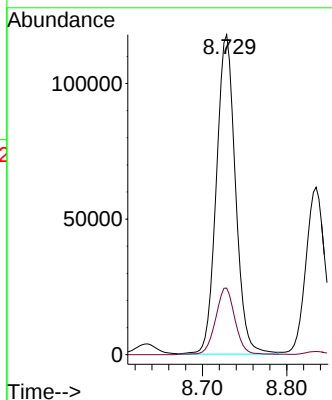
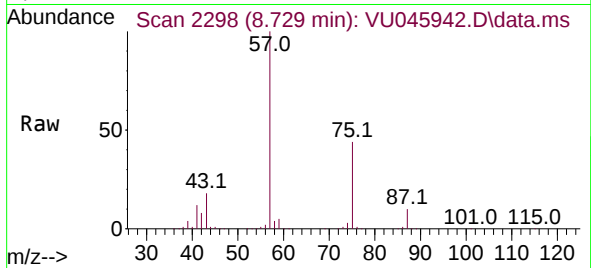




#59
2-Hexanone
Concen: 93.007 ug/l
RT: 8.729 min Scan# 211
Delta R.T. 0.045 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

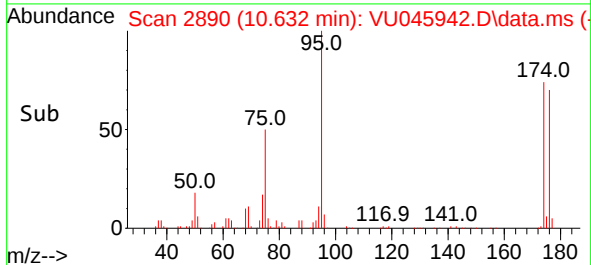
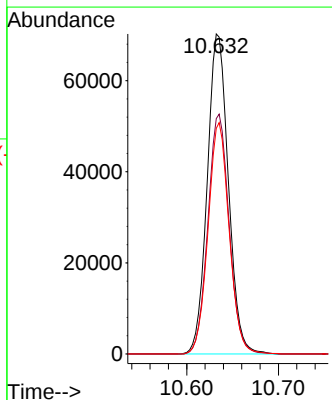
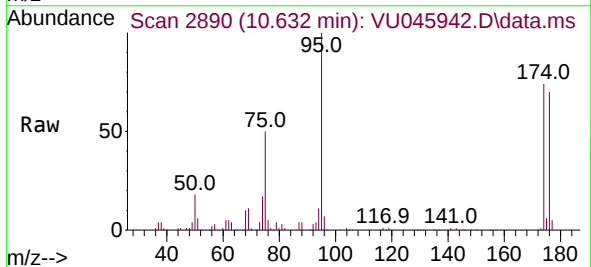
Instrument :
MSVOA_U
ClientSampleId :

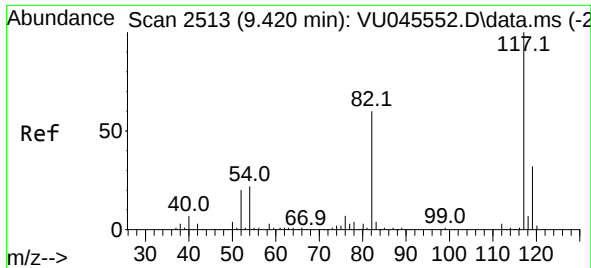
Tgt Ion: 43 Resp: 185436
Ion Ratio Lower Upper
43 100
58 21.5 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 52.879 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.000 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 95 Resp: 112643
Ion Ratio Lower Upper
95 100
174 75.4 0.0 141.8
176 72.1 0.0 138.2

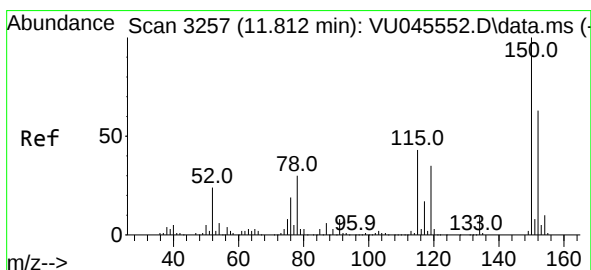
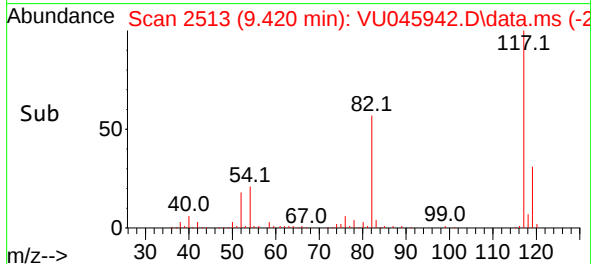
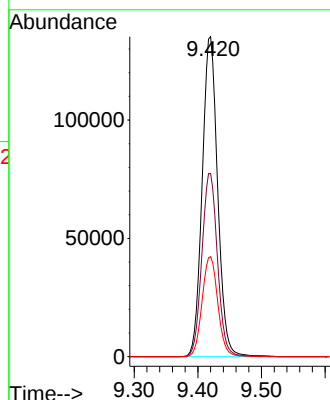
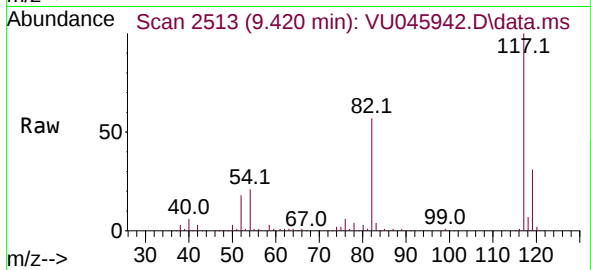




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. -0.000 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

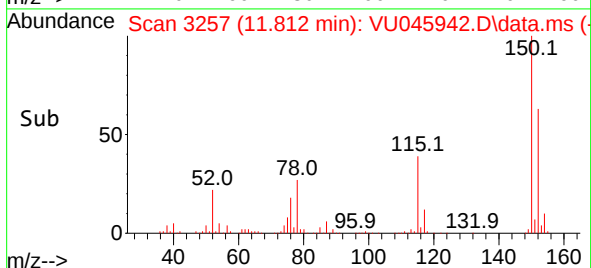
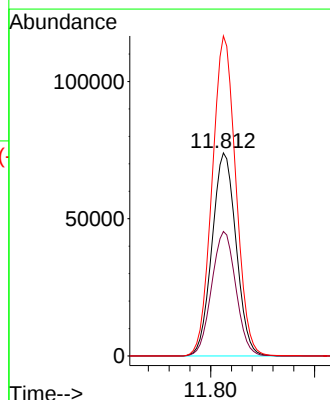
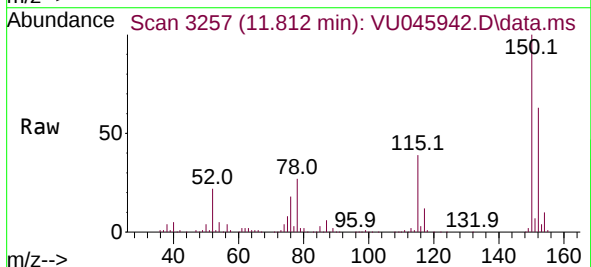
Instrument :
MSVOA_U
ClientSampleId :

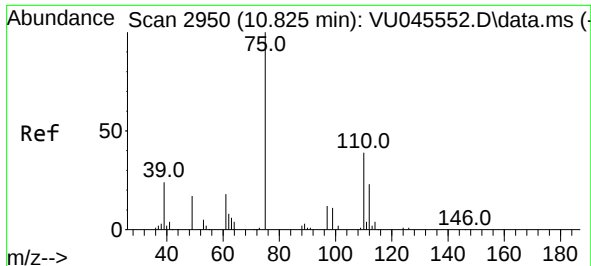
Tgt Ion:117 Resp: 228762
Ion Ratio Lower Upper
117 100
82 57.3 47.8 71.8
119 31.2 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. -0.000 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion:152 Resp: 118968
Ion Ratio Lower Upper
152 100
115 61.7 42.7 128.1
150 155.0 0.0 346.8

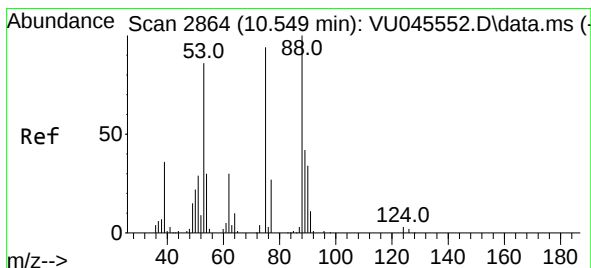
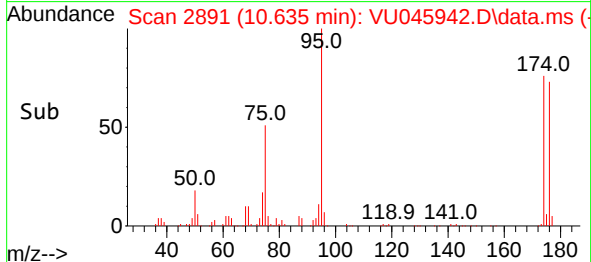
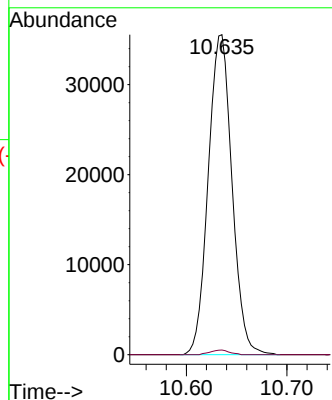
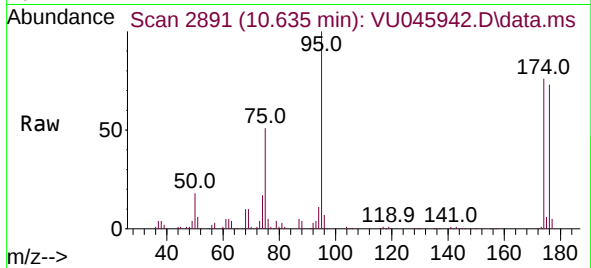




#76
1,2,3-Trichloropropane
Concen: 16.169 ug/l
RT: 10.635 min Scan# 21
Delta R.T. -0.190 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

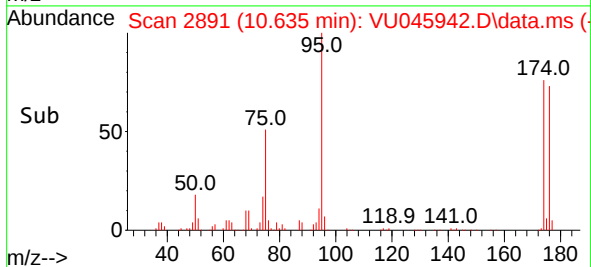
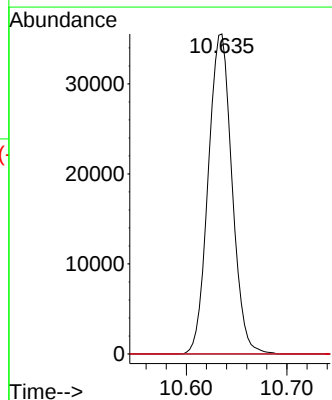
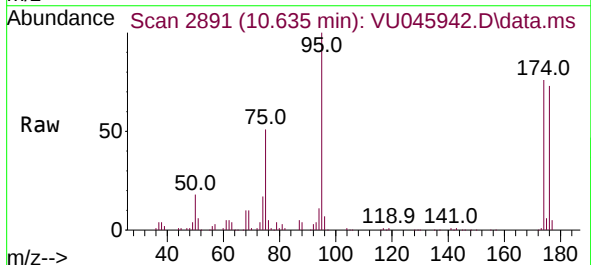
Instrument :
MSVOA_U
ClientSampleId :

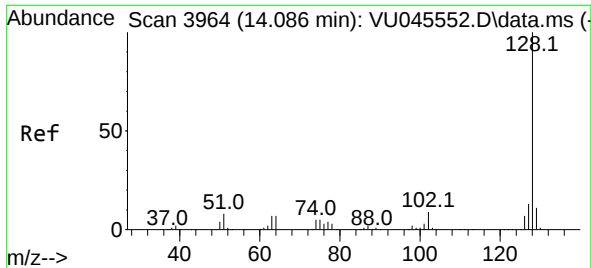
Tgt Ion: 75 Resp: 58333
Ion Ratio Lower Upper
75 100
77 1.2 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 52.790 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.086 min
Lab File: VU045942.D
Acq: 23 Nov 2021 02:52

Tgt Ion: 75 Resp: 58333
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.110 ug/l

RT: 14.092 min Scan# 3966

Delta R.T. 0.006 min

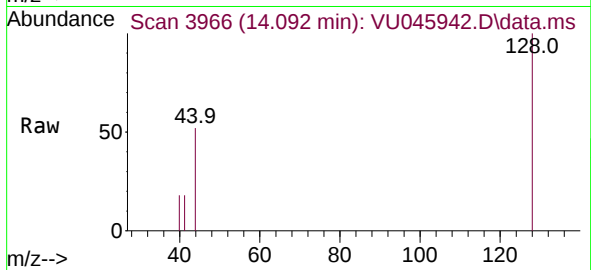
Lab File: VU045942.D

Acq: 23 Nov 2021 02:52

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 795

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

