

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU112221\
 Data File : VU045943.D
 Acq On : 23 Nov 2021 03:15
 Operator : SY/MD
 Sample : M4795-06
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Nov 23 06:52:21 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)

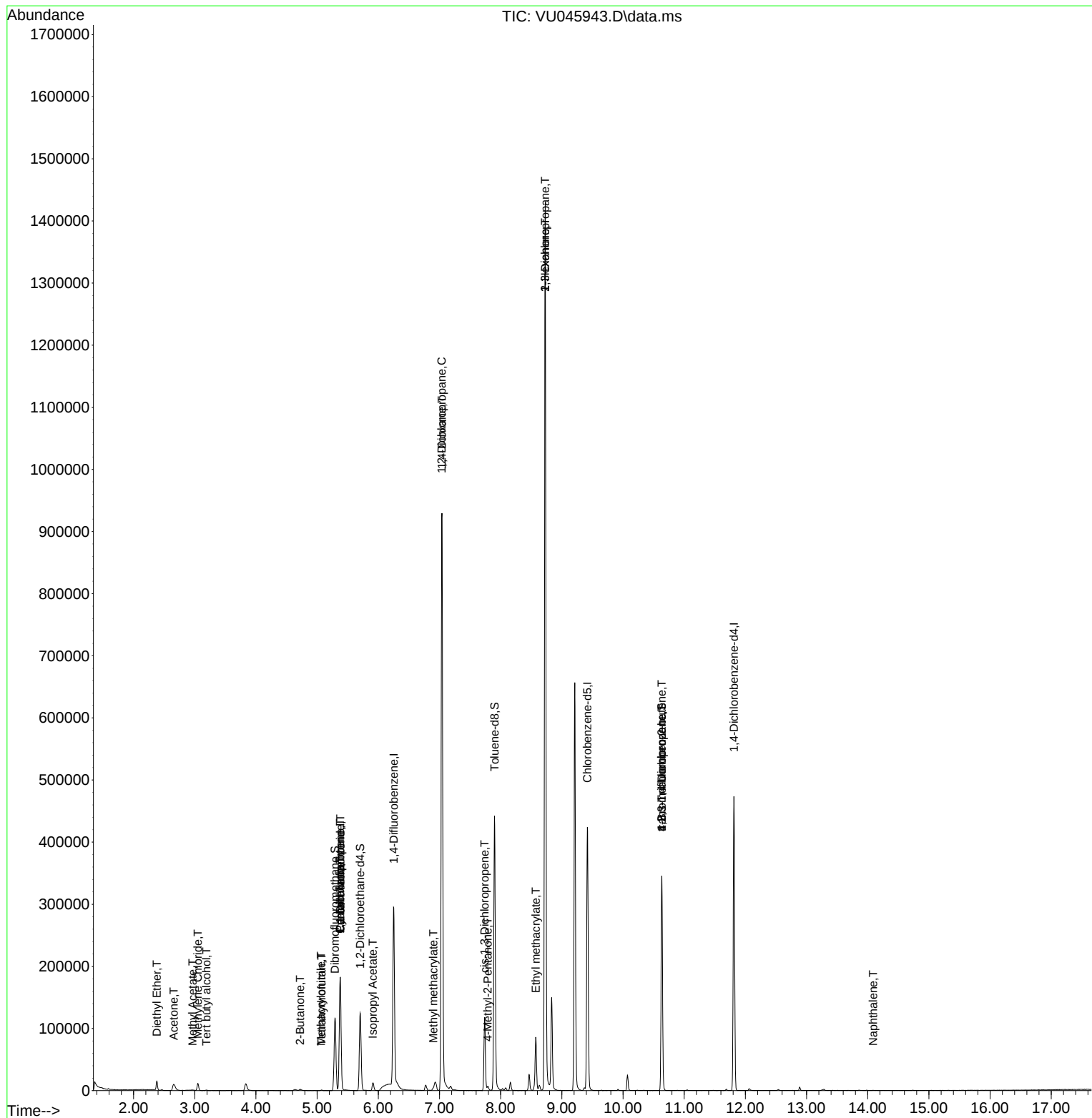
Internal Standards						
1) Pentafluorobenzene	5.378	168	123664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.253	114	228127	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.417	117	241290	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.812	152	124017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	94610	51.085	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.180%			
35) Dibromofluoromethane	5.292	113	75684	49.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.380%			
50) Toluene-d8	7.899	98	298824	52.762	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.520%			
62) 4-Bromofluorobenzene	10.632	95	117722	51.836	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.680%			
Target Compounds						Qvalue
8) Diethyl Ether	2.379	74	5572	5.957	ug/l	88
11) Tert butyl alcohol	3.192	59	535	1.459	ug/l #	72
16) Acetone	2.655	43	21740	23.060	ug/l	94
18) Methyl Acetate	2.964	43	941	0.293	ug/l #	54
20) Methylene Chloride	3.051	84	5346	3.263	ug/l	98
25) 2-Butanone	4.719	43	1868	1.429	ug/l	95
29) Tetrahydrofuran	5.073	42	733	0.916	ug/l #	58
31) Cyclohexane	5.375	56	2566	0.950	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	10416	4.683	ug/l #	50
38) Carbon Tetrachloride	5.378	117	12995	5.795	ug/l #	16
41) Methacrylonitrile	5.063	41	321	0.238	ug/l #	35
43) Isopropyl Acetate	5.912	43	13474	3.448	ug/l	98
45) 1,2-Dichloropropane	7.038	63	1149	0.659	ug/l #	43
48) Methyl methacrylate	6.899	41	5739	3.190	ug/l #	13
49) 1,4-Dioxane	7.041	88	45	0.973	ug/l #	1
51) 4-Methyl-2-Pentanone	7.790	43	4637	1.799	ug/l #	86
54) cis-1,3-Dichloropropene	7.739	75	21681	7.753	ug/l #	62
56) Ethyl methacrylate	8.575	69	673	2.638	ug/l #	1
57) 1,3-Dichloropropane	8.729	76	14690	4.881	ug/l #	42
59) 2-Hexanone	8.729	43	183947	87.061	ug/l #	50
76) 1,2,3-Trichloropropane	10.632	75	61406	16.327	ug/l #	42
81) trans-1,4-Dichloro-2-b...	10.632	75	61406	53.279	ug/l #	12
95) Naphthalene	14.089	128	441	1.072	ug/l #	69

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U110521W.M
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QLast Update : Fri Nov 05 13:35:16 2021
Response via : Initial Calibration

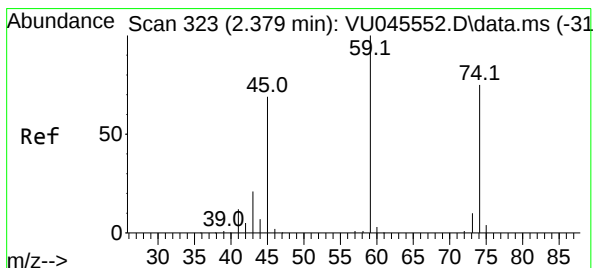
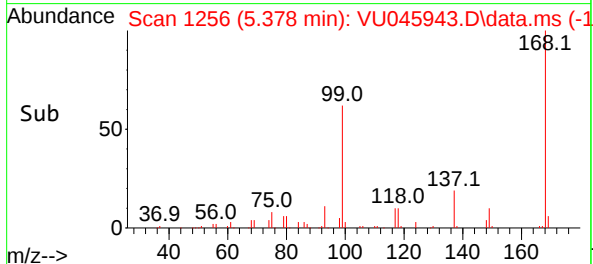
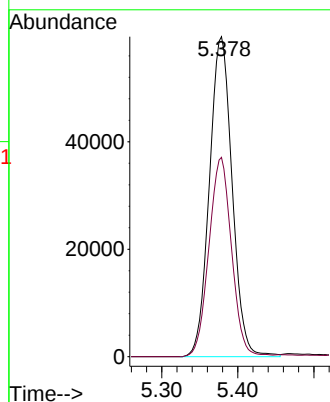
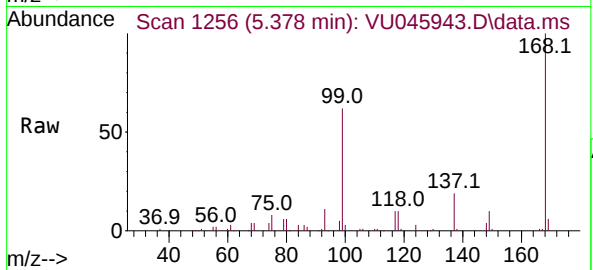




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.378 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

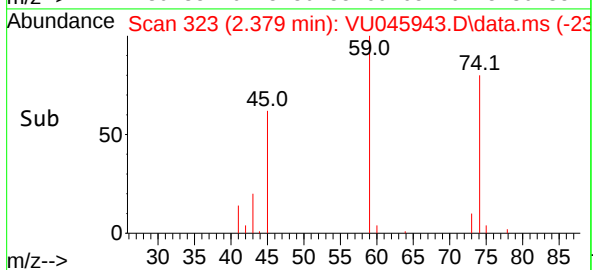
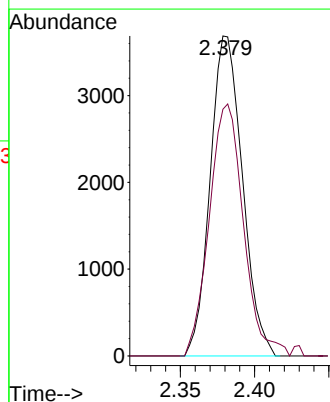
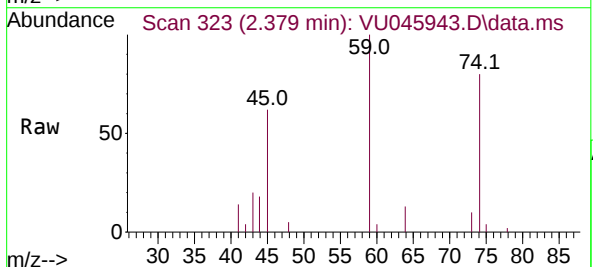
Instrument :
MSVOA_U
ClientSampleId :

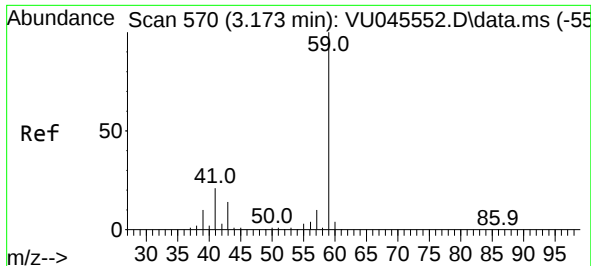
Tgt Ion:168 Resp: 123664
Ion Ratio Lower Upper
168 100
99 62.3 51.0 76.6



#8
Diethyl Ether
Concen: 5.957 ug/l
RT: 2.379 min Scan# 323
Delta R.T. -0.000 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 74 Resp: 5572
Ion Ratio Lower Upper
74 100
45 83.3 47.3 141.8





#11

Tert butyl alcohol

Concen: 1.459 ug/l

RT: 3.192 min Scan# 51

Delta R.T. 0.019 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

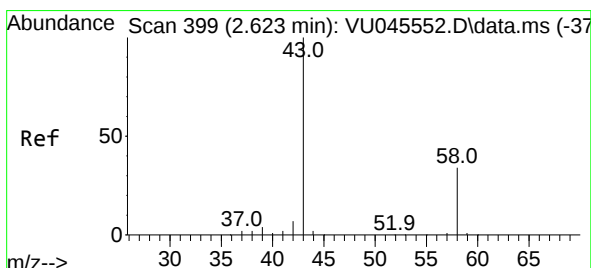
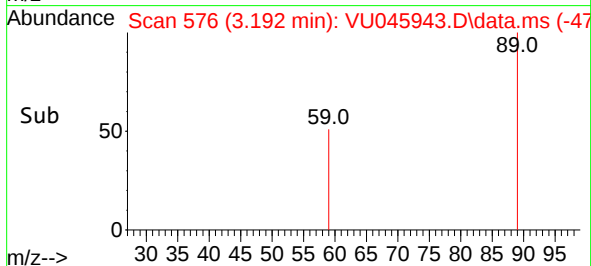
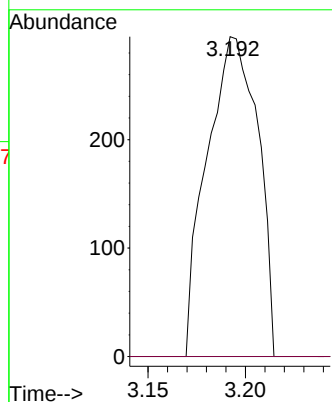
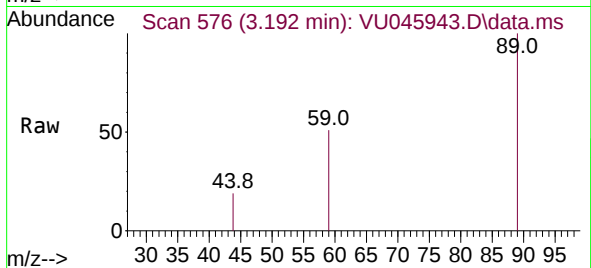
ClientSampleId :

Tgt Ion: 59 Resp: 535

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#16

Acetone

Concen: 23.060 ug/l

RT: 2.655 min Scan# 409

Delta R.T. 0.032 min

Lab File: VU045943.D

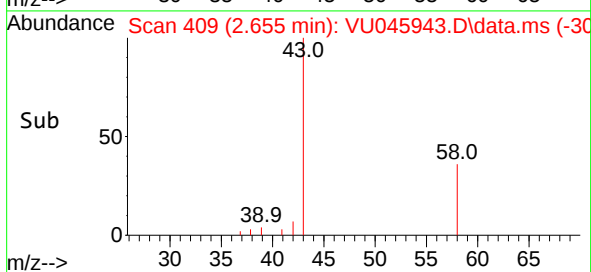
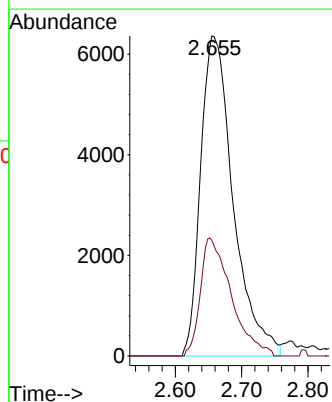
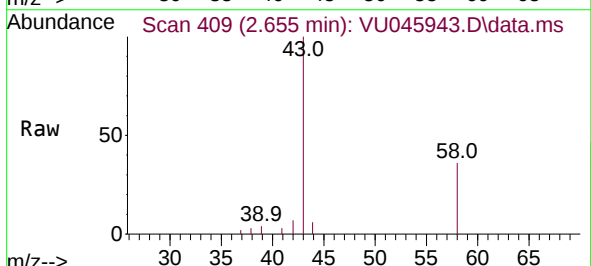
Acq: 23 Nov 2021 03:15

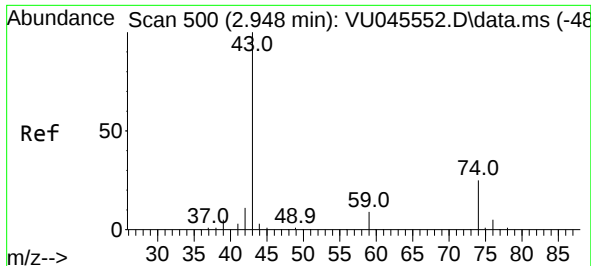
Tgt Ion: 43 Resp: 21740

Ion Ratio Lower Upper

43 100

58 36.1 26.2 39.2

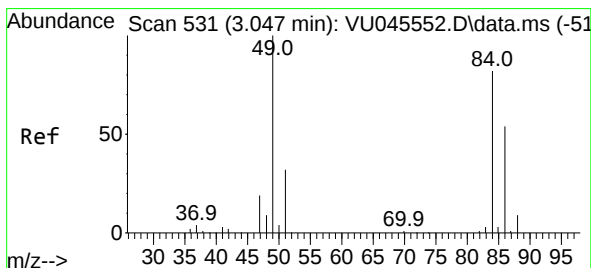
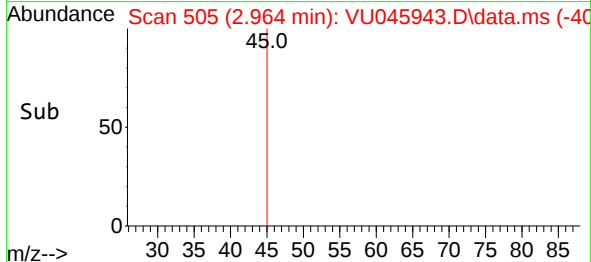
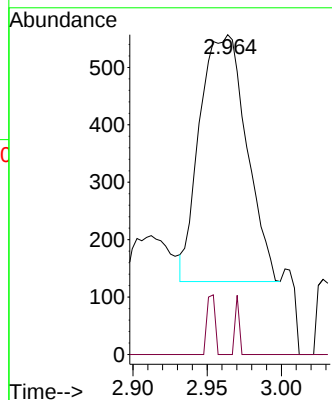
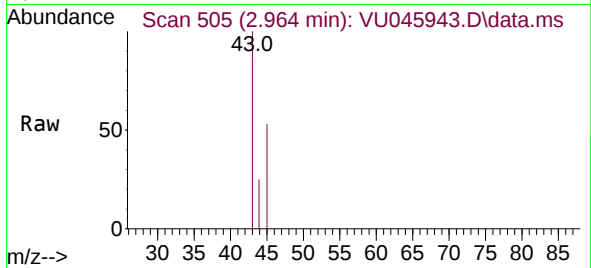




#18
Methyl Acetate
Concen: 0.293 ug/l
RT: 2.964 min Scan# 500
Delta R.T. 0.016 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

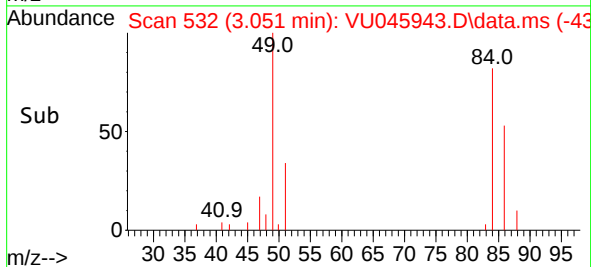
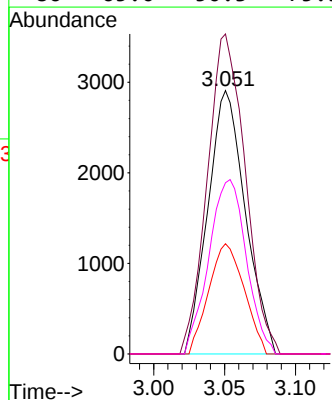
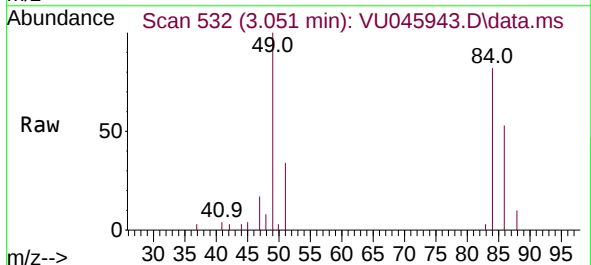
Instrument :
MSVOA_U
ClientSampleId :

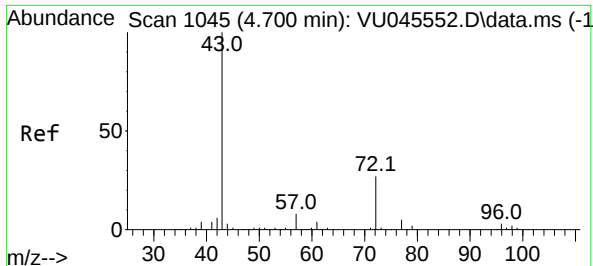
Tgt Ion: 43 Resp: 941
Ion Ratio Lower Upper
43 100
74 2.1 20.2 30.2#



#20
Methylene Chloride
Concen: 3.263 ug/l
RT: 3.051 min Scan# 532
Delta R.T. 0.003 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 84 Resp: 5346
Ion Ratio Lower Upper
84 100
49 121.5 96.4 144.6
51 41.8 30.5 45.7
86 65.0 50.3 75.5





#25

2-Butanone

Concen: 1.429 ug/l

RT: 4.719 min Scan# 1105

Delta R.T. 0.019 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

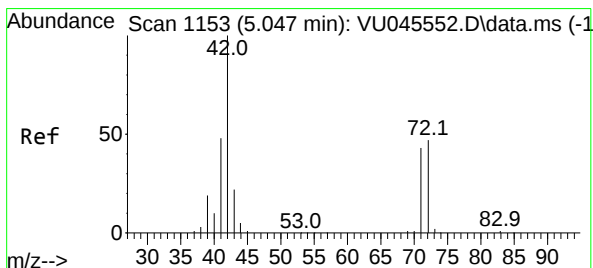
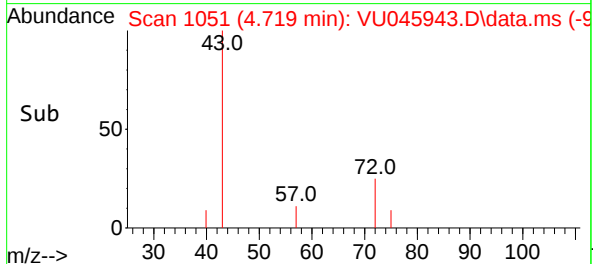
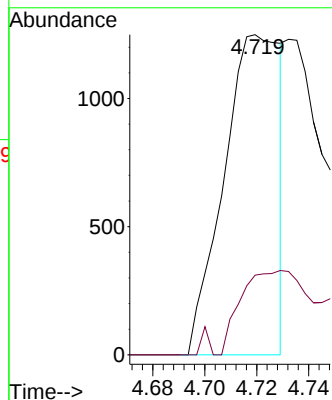
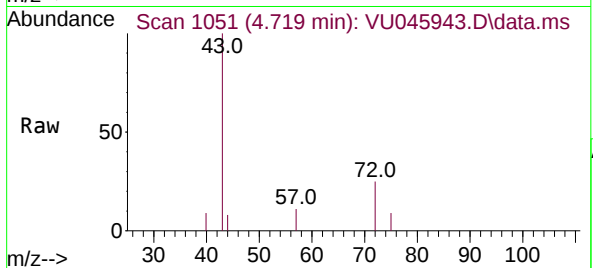
ClientSampleId :

Tgt Ion: 43 Resp: 1868

Ion Ratio Lower Upper

43 100

72 24.9 22.0 33.0



#29

Tetrahydrofuran

Concen: 0.916 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.026 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

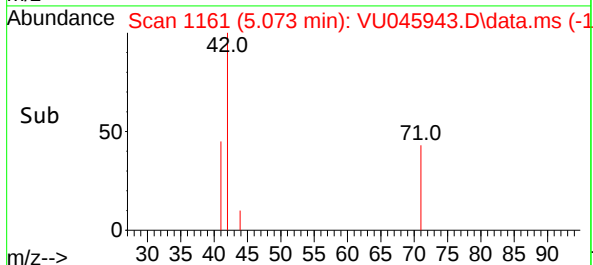
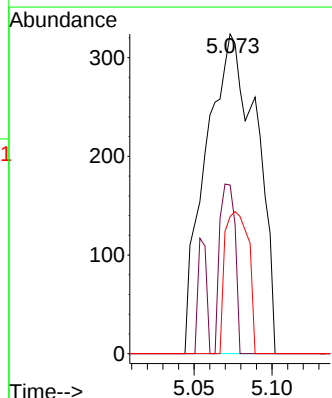
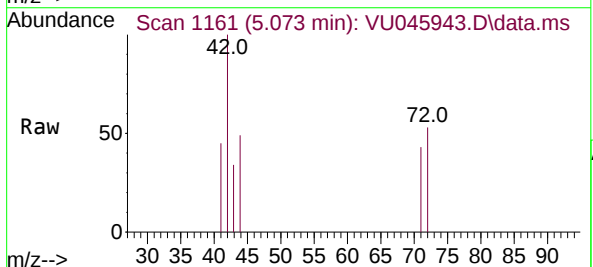
Tgt Ion: 42 Resp: 733

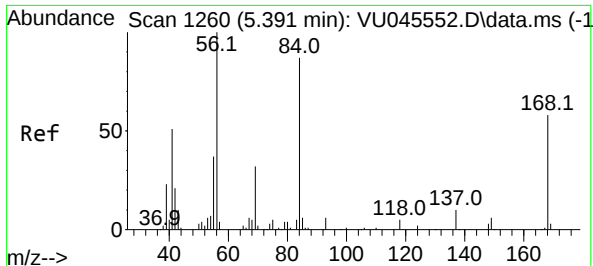
Ion Ratio Lower Upper

42 100

72 16.1 38.2 57.4#

71 20.6 35.4 53.2#

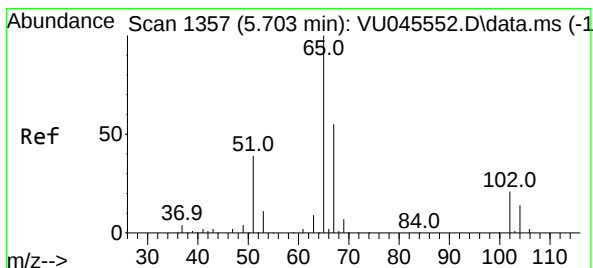
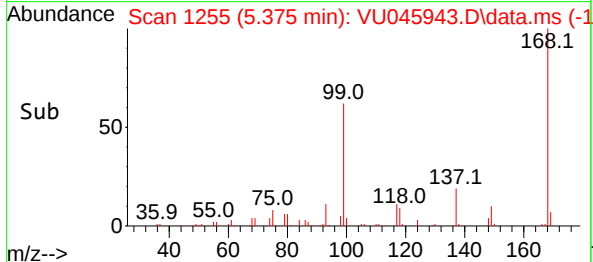
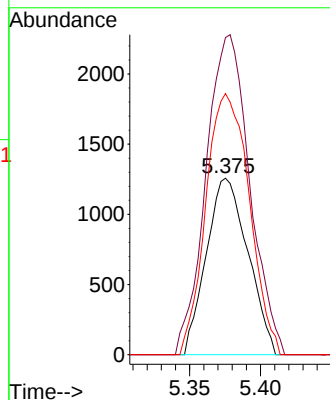
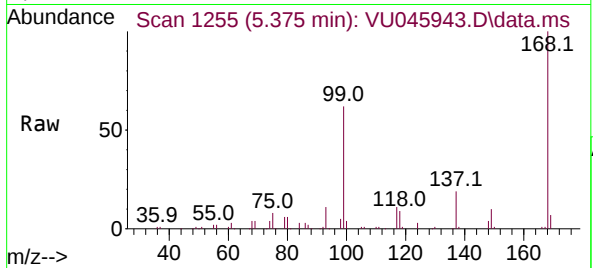




#31
Cyclohexane
Concen: 0.950 ug/l
RT: 5.375 min Scan# 1255
Delta R.T. -0.016 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

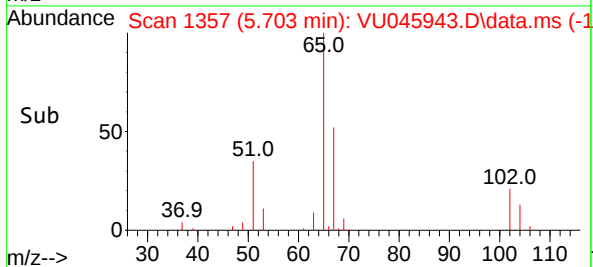
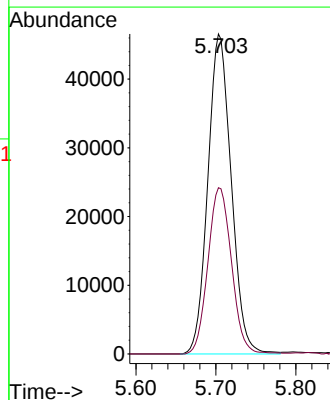
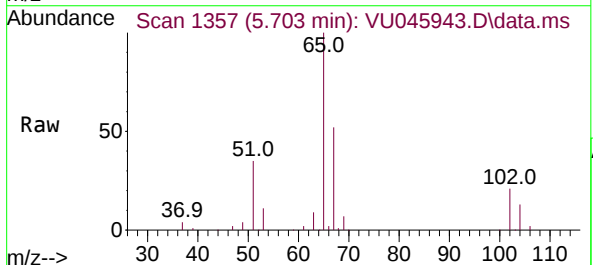
Instrument :
MSVOA_U
ClientSampleId :

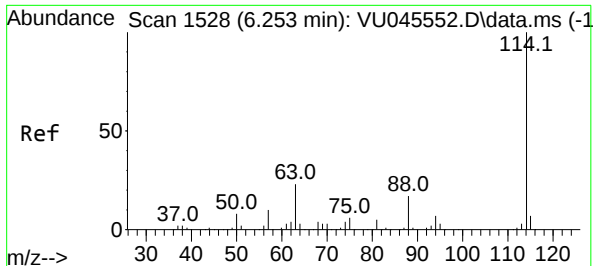
Tgt Ion: 56 Resp: 2566
Ion Ratio Lower Upper
56 100
69 170.9 26.4 39.6#
84 147.9 68.4 102.6#



#33
1,2-Dichloroethane-d4
Concen: 51.085 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. 0.000 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 65 Resp: 94610
Ion Ratio Lower Upper
65 100
67 52.5 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: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

ClientSampleId :

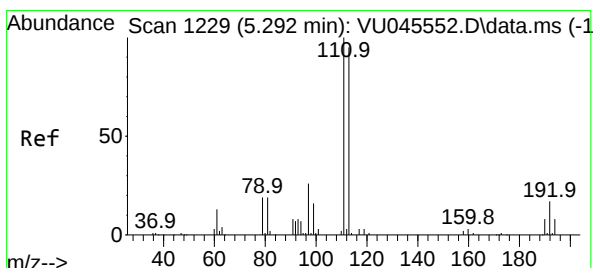
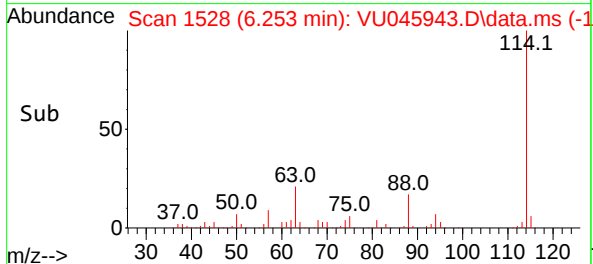
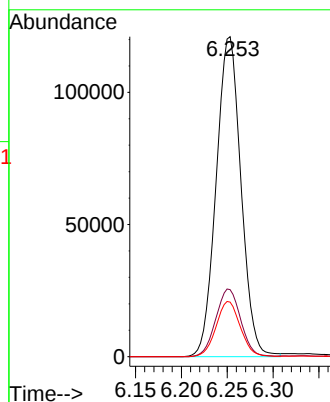
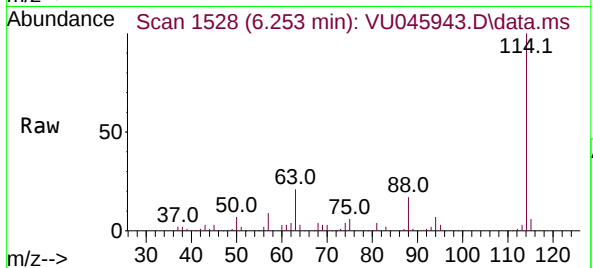
Tgt Ion:114 Resp: 228127

Ion Ratio Lower Upper

114 100

63 20.9 0.0 45.6

88 17.1 0.0 33.8



#35

Dibromofluoromethane

Concen: 49.691 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

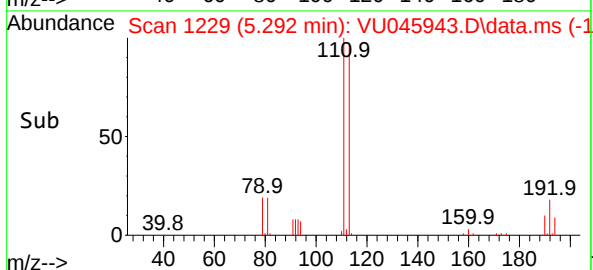
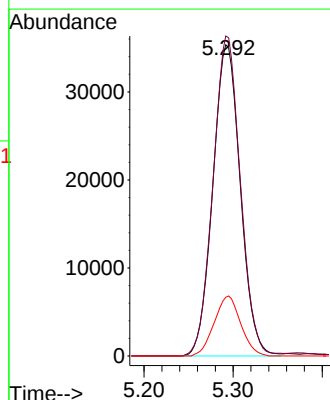
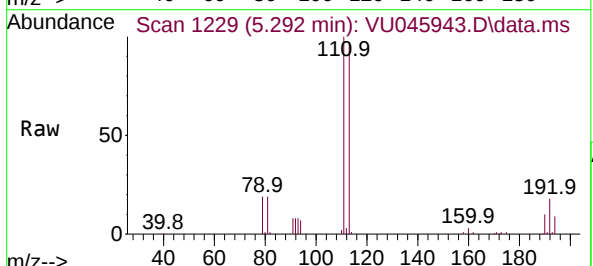
Tgt Ion:113 Resp: 75684

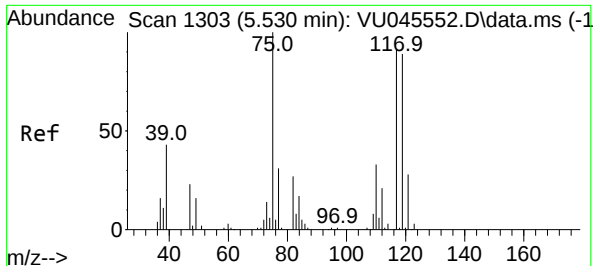
Ion Ratio Lower Upper

113 100

111 102.4 82.8 124.2

192 18.6 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.154 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

ClientSampleId :

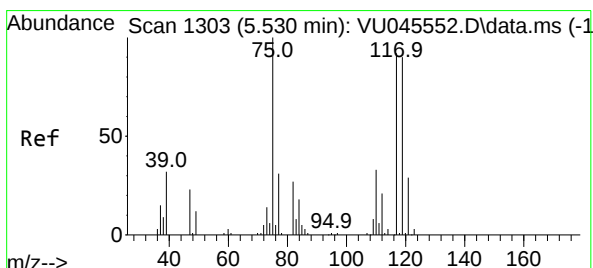
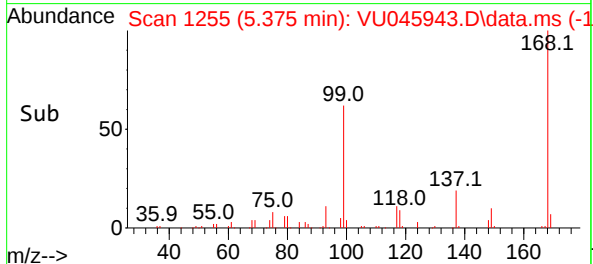
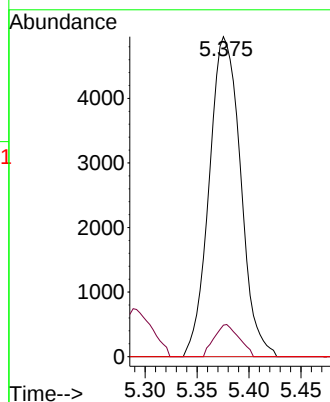
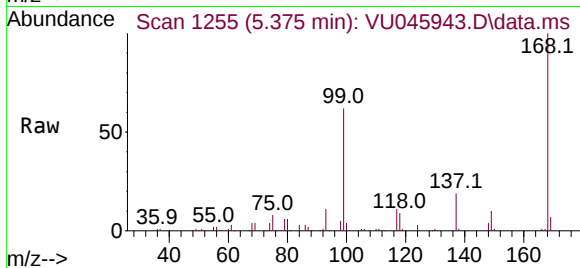
Tgt Ion: 75 Resp: 10416

Ion Ratio Lower Upper

75 100

110 7.9 16.7 50.0#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.795 ug/l

RT: 5.378 min Scan# 1256

Delta R.T. -0.151 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

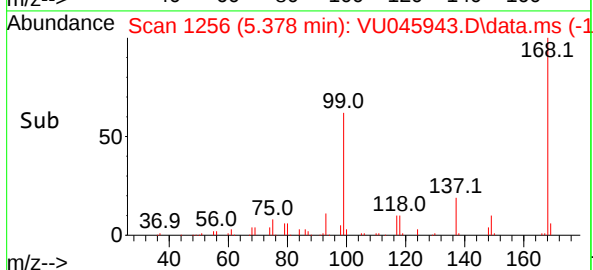
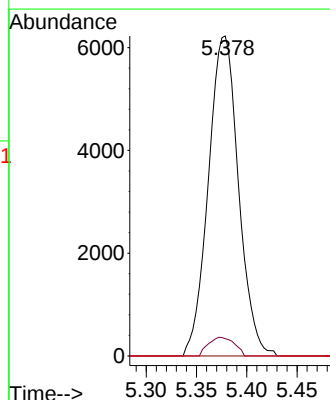
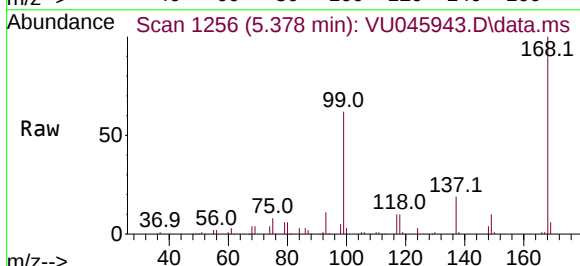
Tgt Ion: 117 Resp: 12995

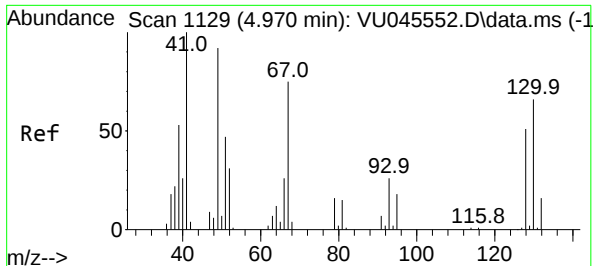
Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

121 0.0 24.8 37.2#





#41

Methacrylonitrile

Concen: 0.238 ug/l

RT: 5.063 min Scan# 1129

Delta R.T. 0.093 min

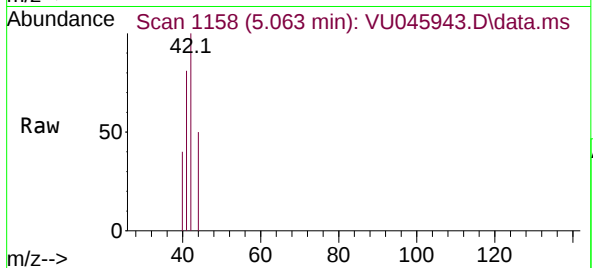
Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion: 41 Resp: 321

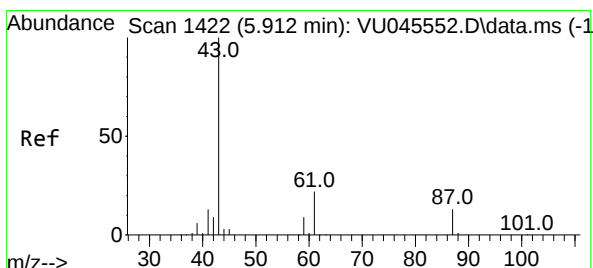
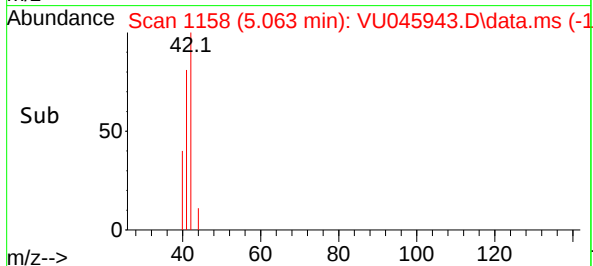
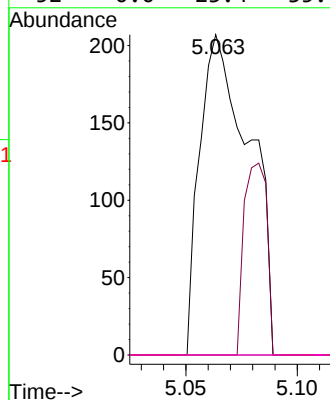
Ion Ratio Lower Upper

41 100

39 27.4 43.4 65.0#

67 0.0 61.0 91.4#

52 0.0 23.4 35.0#



#43

Isopropyl Acetate

Concen: 3.448 ug/l

RT: 5.912 min Scan# 1422

Delta R.T. 0.000 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

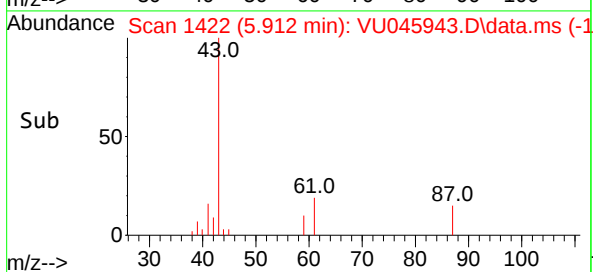
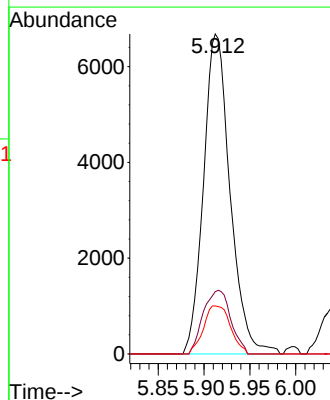
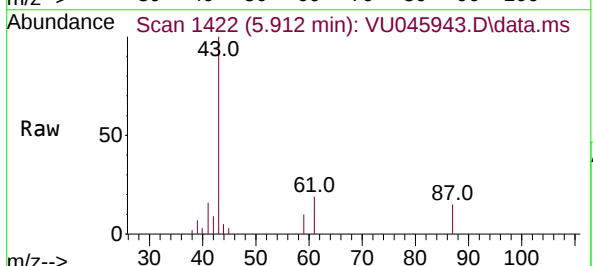
Tgt Ion: 43 Resp: 13474

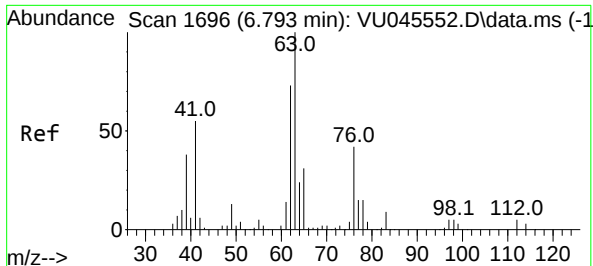
Ion Ratio Lower Upper

43 100

61 20.6 16.9 25.3

87 15.2 11.0 16.4





#45

1,2-Dichloropropane

Concen: 0.659 ug/l

RT: 7.038 min Scan# 1

Delta R.T. 0.244 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

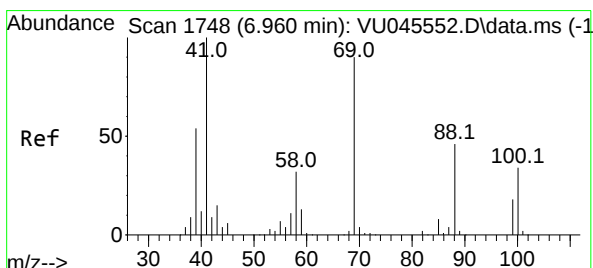
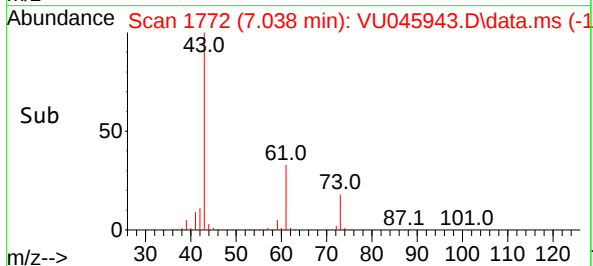
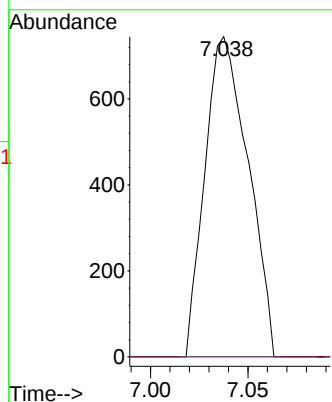
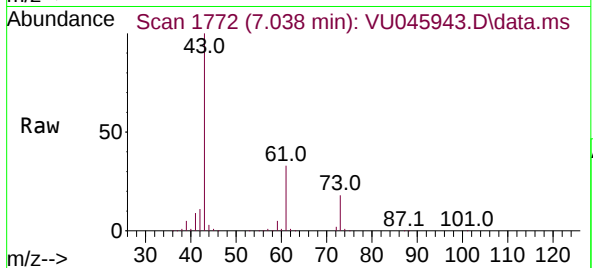
ClientSampleId :

Tgt Ion: 63 Resp: 1149

Ion Ratio Lower Upper

63 100

65 0.0 25.7 38.5#



#48

Methyl methacrylate

Concen: 3.190 ug/l

RT: 6.899 min Scan# 1729

Delta R.T. -0.061 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

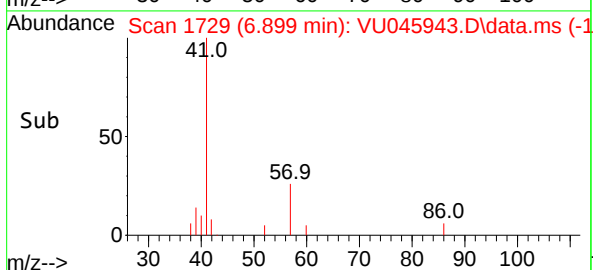
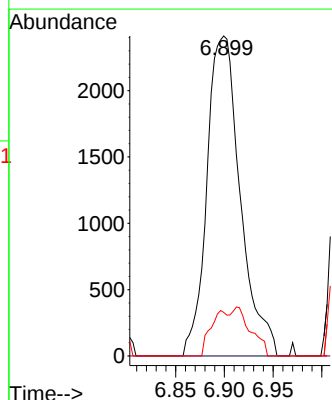
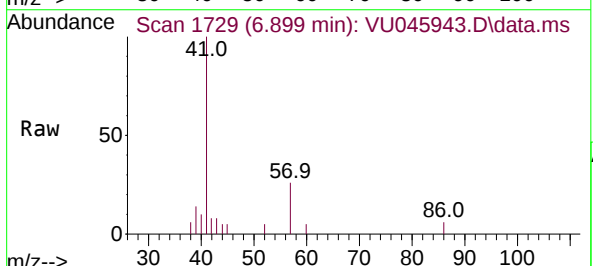
Tgt Ion: 41 Resp: 5739

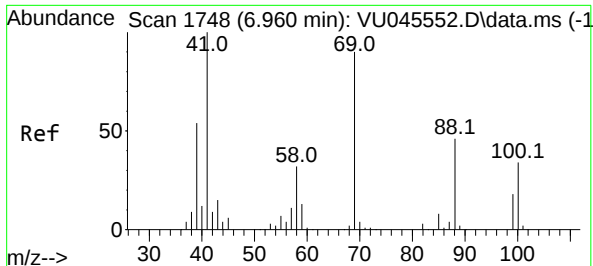
Ion Ratio Lower Upper

41 100

69 0.0 70.2 105.2#

39 0.0 43.9 65.9#





#49

1,4-Dioxane

Concen: 0.973 ug/l

RT: 7.041 min Scan# 1

Delta R.T. 0.080 min

Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

ClientSampleId :

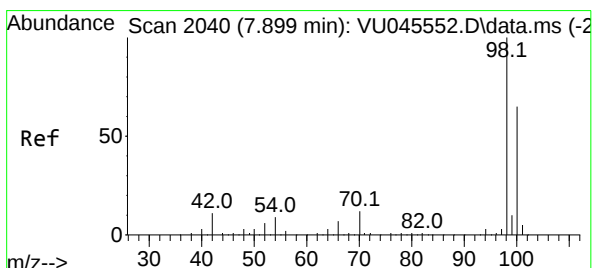
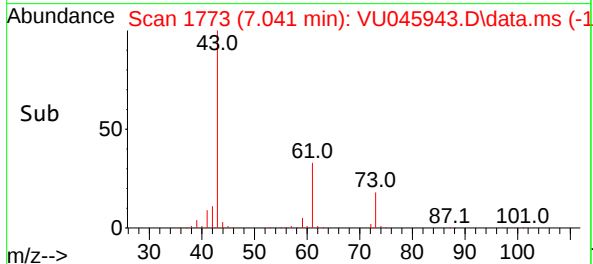
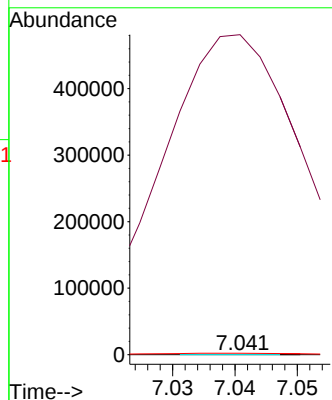
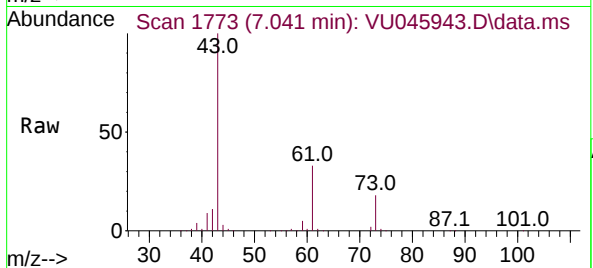
Tgt Ion: 88 Resp: 45

Ion Ratio Lower Upper

88 100

43 1896317.8 0.0 0.0#

58 8791.1 58.7 88.1#



#50

Toluene-d8

Concen: 52.762 ug/l

RT: 7.899 min Scan# 2040

Delta R.T. -0.000 min

Lab File: VU045943.D

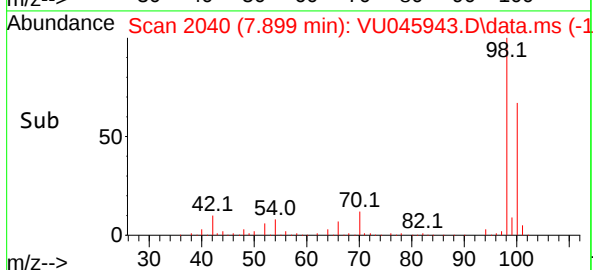
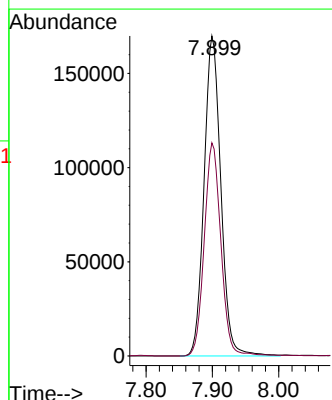
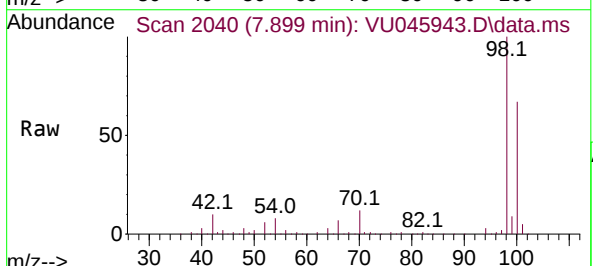
Acq: 23 Nov 2021 03:15

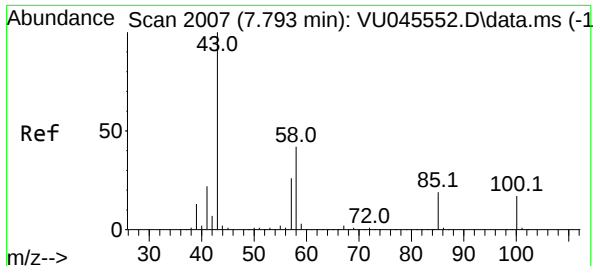
Tgt Ion: 98 Resp: 298824

Ion Ratio Lower Upper

98 100

100 66.0 52.5 78.7

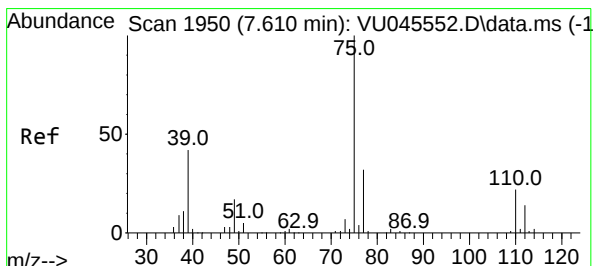
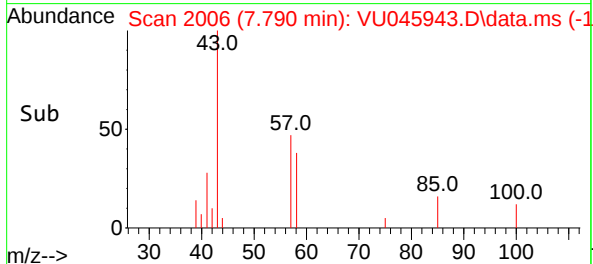
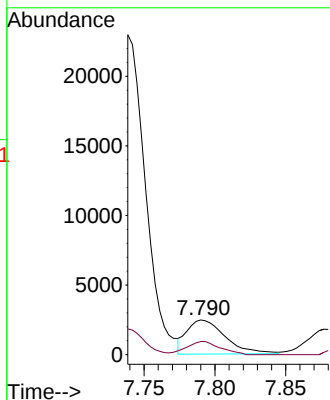
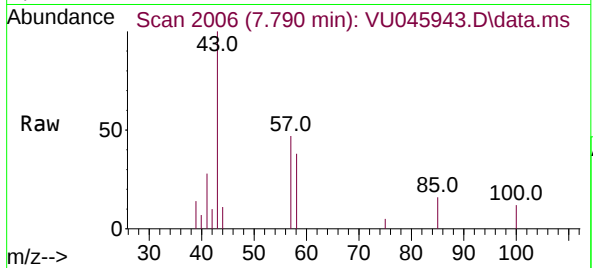




#51
4-Methyl-2-Pentanone
Concen: 1.799 ug/l
RT: 7.790 min Scan# 2007
Delta R.T. -0.003 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

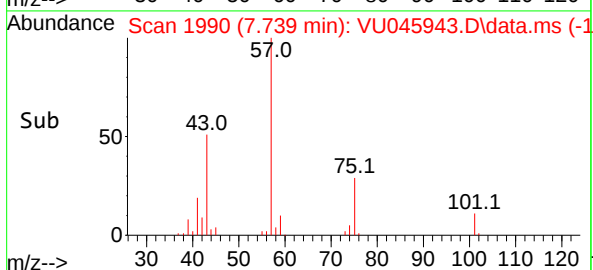
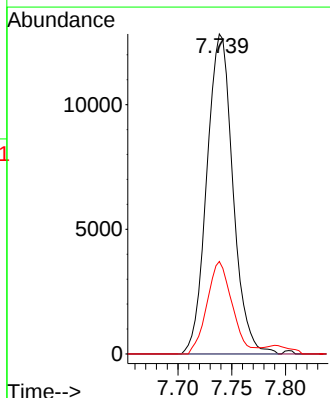
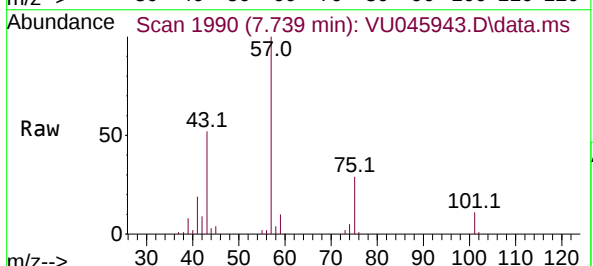
Instrument :
MSVOA_U
ClientSampleId :

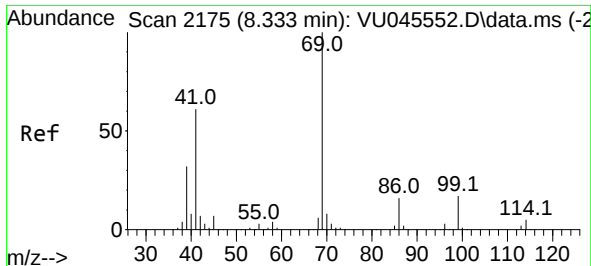
Tgt Ion: 43 Resp: 4637
Ion Ratio Lower Upper
43 100
58 33.6 33.8 50.8#



#54
cis-1,3-Dichloropropene
Concen: 7.753 ug/l
RT: 7.739 min Scan# 1990
Delta R.T. 0.129 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 75 Resp: 21681
Ion Ratio Lower Upper
75 100
77 0.0 24.6 37.0#
39 28.9 37.1 55.7#

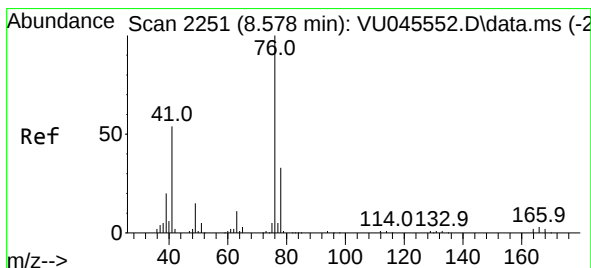
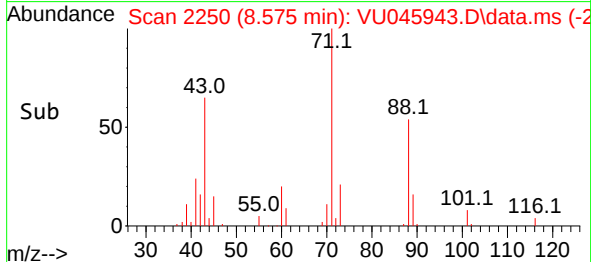
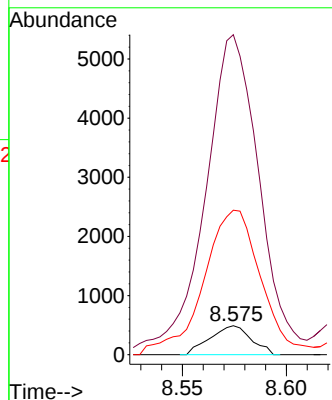
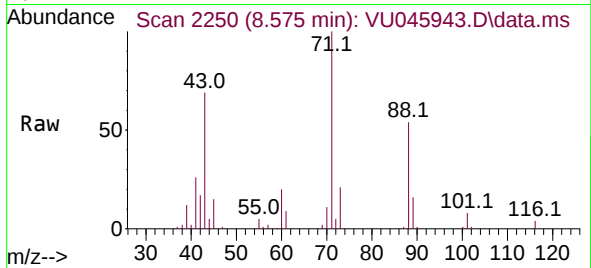




#56
Ethyl methacrylate
Concen: 2.638 ug/l
RT: 8.575 min Scan# 2175
Delta R.T. 0.242 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

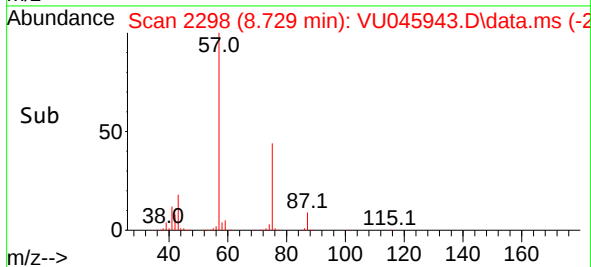
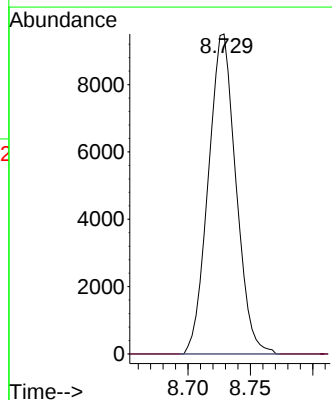
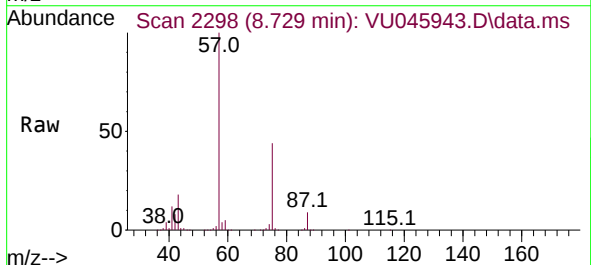
Instrument :
MSVOA_U
ClientSampleId :

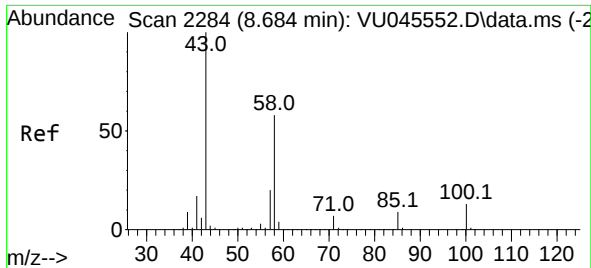
Tgt Ion: 69 Resp: 673
Ion Ratio Lower Upper
69 100
41 1457.1 51.0 76.4#
39 696.9 26.6 39.8#



#57
1,3-Dichloropropane
Concen: 4.881 ug/l
RT: 8.729 min Scan# 2298
Delta R.T. 0.151 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 76 Resp: 14690
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.8#

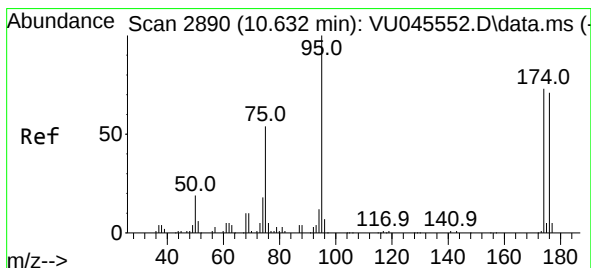
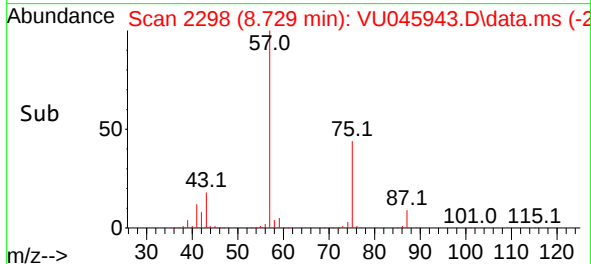
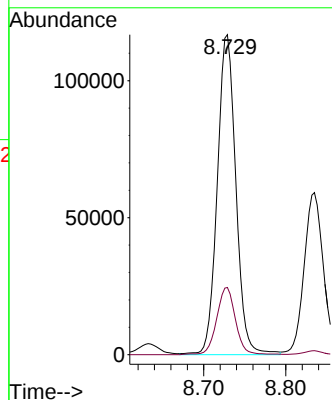
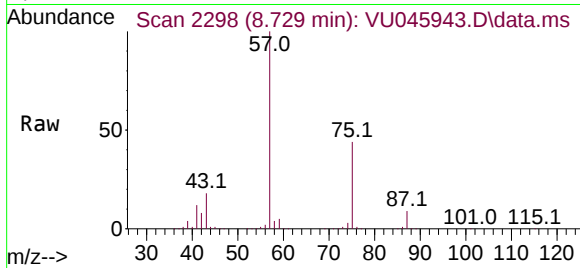




#59
2-Hexanone
Concen: 87.061 ug/l
RT: 8.729 min Scan# 211
Delta R.T. 0.045 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

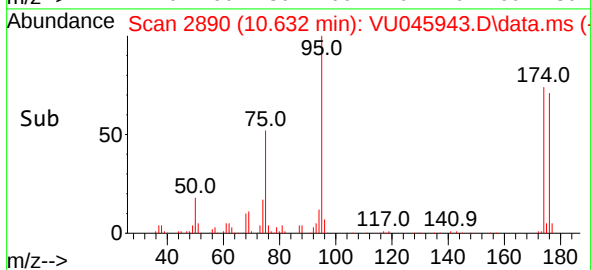
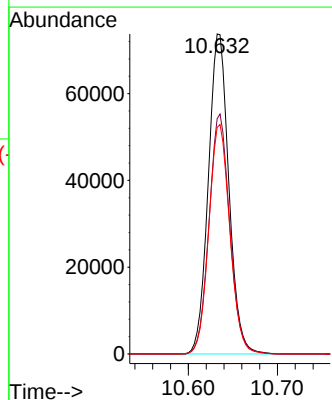
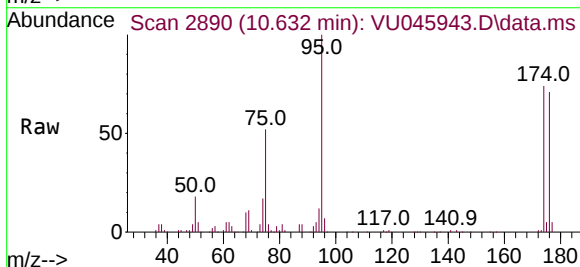
Instrument :
MSVOA_U
ClientSampleId :

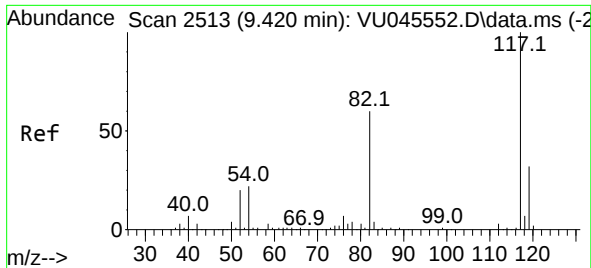
Tgt Ion: 43 Resp: 183947
Ion Ratio Lower Upper
43 100
58 21.3 29.5 88.6#



#62
4-Bromofluorobenzene
Concen: 51.836 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.000 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 95 Resp: 117722
Ion Ratio Lower Upper
95 100
174 75.9 0.0 141.8
176 73.2 0.0 138.2

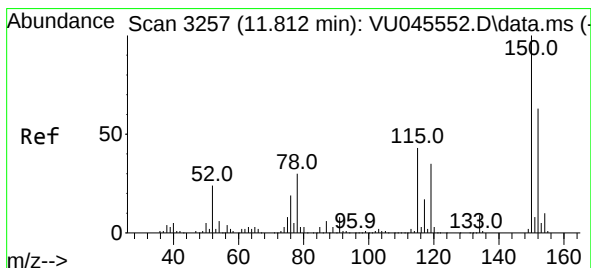
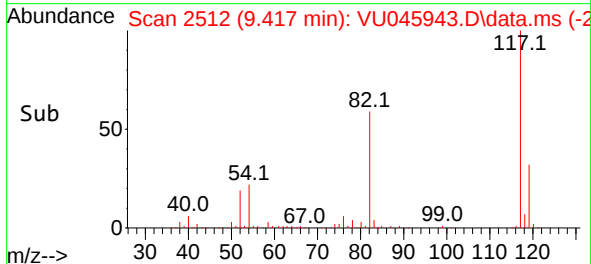
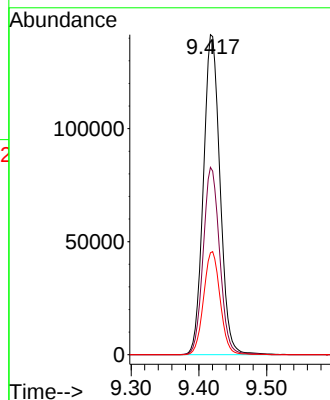
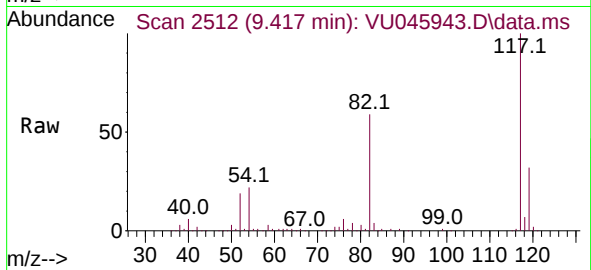




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.417 min Scan# 21
Delta R.T. -0.003 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

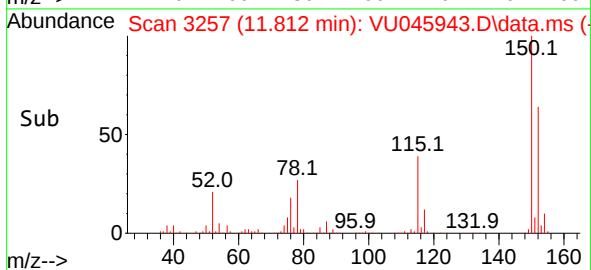
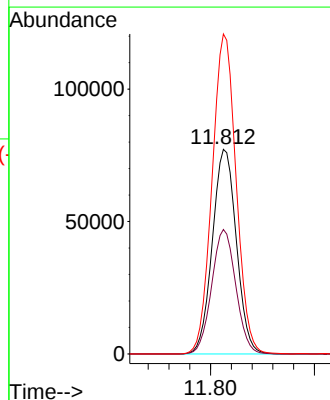
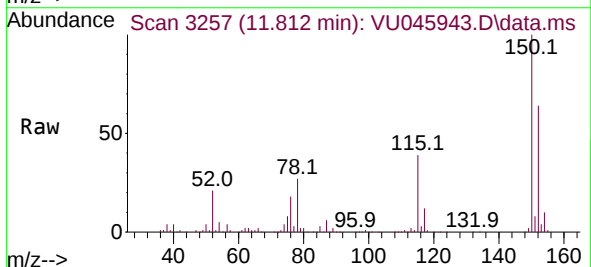
Instrument :
MSVOA_U
ClientSampleId :

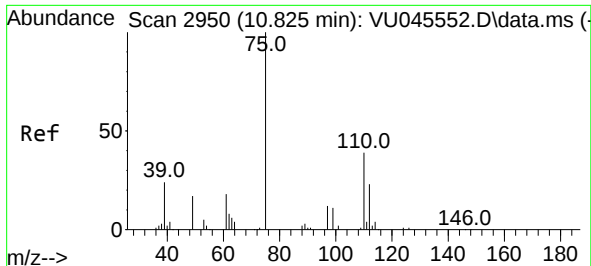
Tgt Ion:117 Resp: 241290
Ion Ratio Lower Upper
117 100
82 58.6 47.8 71.8
119 31.9 25.8 38.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.812 min Scan# 3257
Delta R.T. 0.000 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion:152 Resp: 124017
Ion Ratio Lower Upper
152 100
115 61.0 42.7 128.1
150 156.0 0.0 346.8

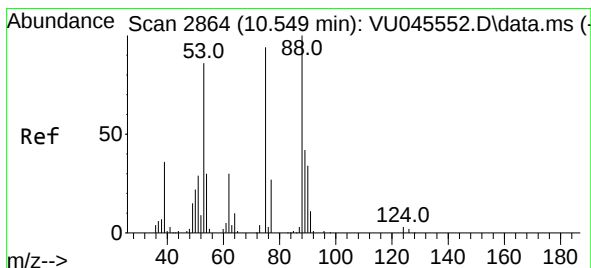
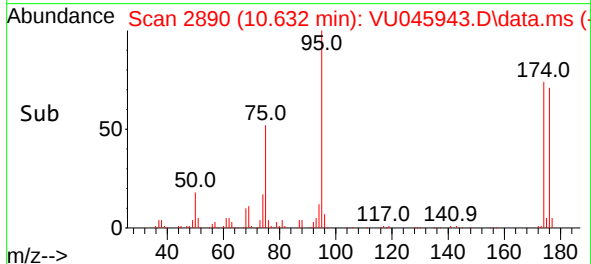
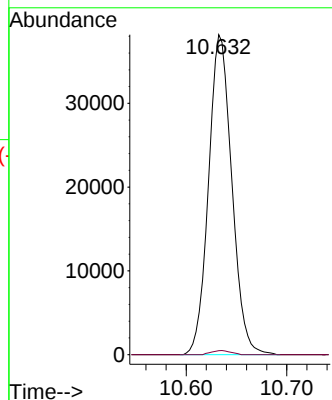
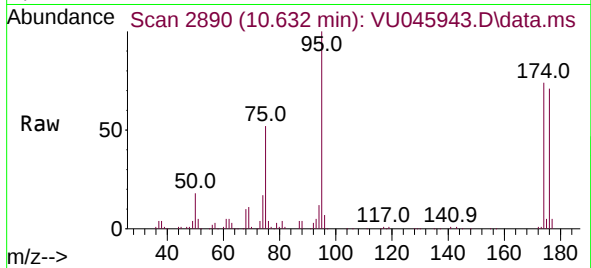




#76
1,2,3-Trichloropropane
Concen: 16.327 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. -0.193 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

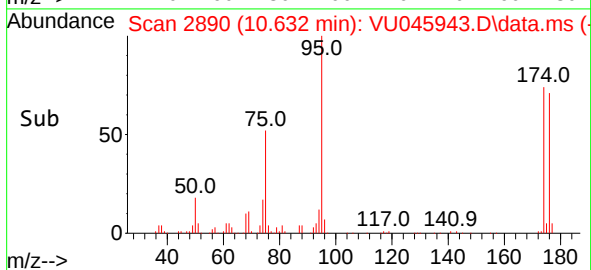
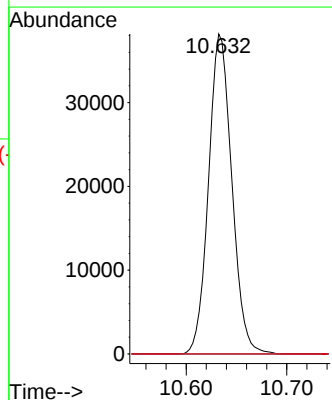
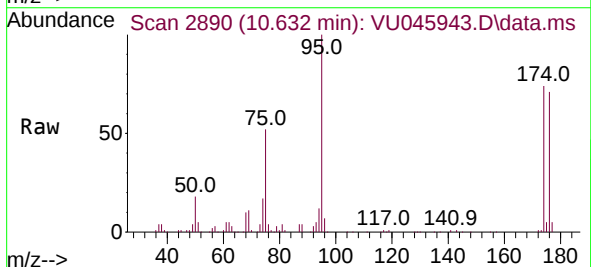
Instrument :
MSVOA_U
ClientSampleId :

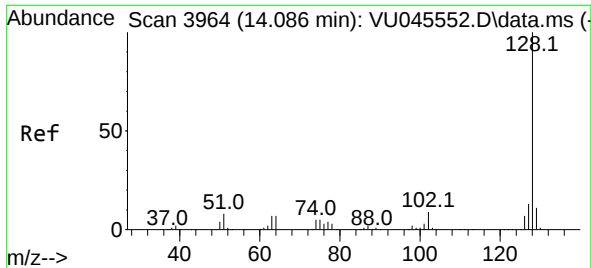
Tgt Ion: 75 Resp: 61406
Ion Ratio Lower Upper
75 100
77 1.1 17.1 51.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 53.279 ug/l
RT: 10.632 min Scan# 2890
Delta R.T. 0.083 min
Lab File: VU045943.D
Acq: 23 Nov 2021 03:15

Tgt Ion: 75 Resp: 61406
Ion Ratio Lower Upper
75 100
53 0.0 76.2 114.4#
89 0.0 34.0 51.0#





#95

Naphthalene

Concen: 1.072 ug/l

RT: 14.089 min Scan# 3965

Delta R.T. 0.003 min

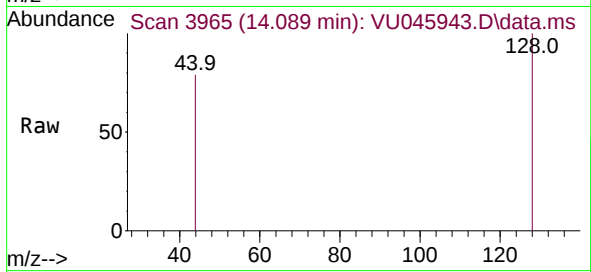
Lab File: VU045943.D

Acq: 23 Nov 2021 03:15

Instrument :

MSVOA_U

ClientSampleId :



Tgt Ion:128 Resp: 441

Ion Ratio Lower Upper

128 100

127 0.0 10.6 15.8#

129 0.0 8.6 13.0#

