

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025378.D
 Acq On : 29 Nov 2021 18:31
 Operator : JC/MD
 Sample : M4837-07 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20927

Quant Time: Nov 30 04:03:49 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

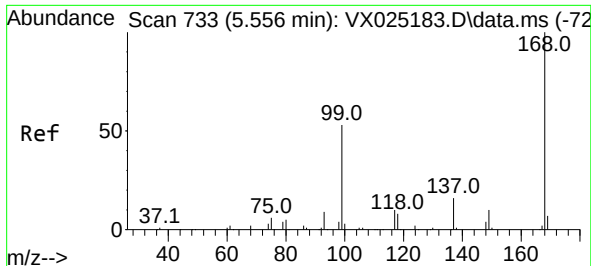
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	128016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	208822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	189348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	90232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	70406	52.177	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.360%			
35) Dibromofluoromethane	5.391	113	63465	49.533	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.060%			
50) Toluene-d8	8.653	98	239085	49.630	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.260%			
62) 4-Bromofluorobenzene	11.079	95	87251	47.875	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.760%			
Target Compounds					Qvalue	
6) Chloroethane	1.757	64	337	0.324	ug/l #	43
11) Tert butyl alcohol	2.946	59	3197	0.661	ug/l #	72
13) Acrolein	2.239	56	20	0.324	ug/l #	13
14) Allyl chloride	2.538	41	1003	0.467	ug/l #	52
16) Acetone	2.379	43	2131	2.842	ug/l	97
22) Diisopropyl ether	3.861	45	22879	5.595	ug/l #	1
23) Vinyl Acetate	3.861	43	55902	17.018	ug/l #	72
25) 2-Butanone	4.580	43	757	0.698	ug/l #	48
31) Cyclohexane	5.556	56	2273	1.090	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	8612	4.727	ug/l #	51
38) Carbon Tetrachloride	5.556	117	11822	5.891	ug/l #	17
52) Toluene	8.726	92	842	0.234	ug/l	100
56) Ethyl methacrylate	9.232	69	673	0.290	ug/l #	1
59) 2-Hexanone	9.341	43	500	0.293	ug/l #	25
64) Tetrachloroethene	9.268	164	341	0.218	ug/l #	68
70) Styrene	10.658	104	1681	0.382	ug/l	92
74) N-amyl acetate	10.579	43	16750	6.022	ug/l #	23
76) 1,2,3-Trichloropropane	11.079	75	42262	22.872	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	42262	57.618	ug/l #	9
90) Hexachloroethane	12.414	117	308	0.291	ug/l #	11
95) Naphthalene	13.780	128	1844	Below Cal		98

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

Quant Time: Nov 30 04:03:49 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
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Response via : Initial Calibration

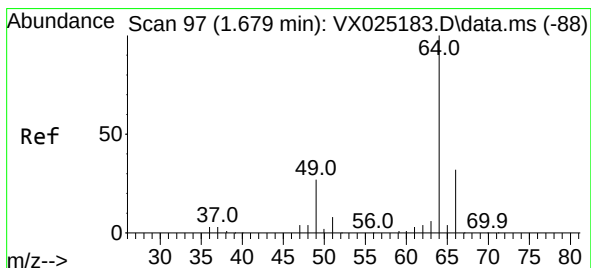
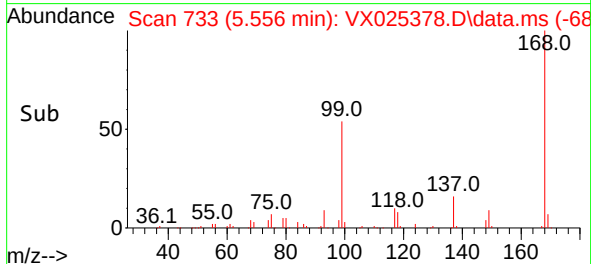
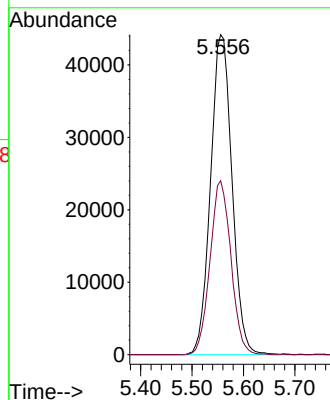
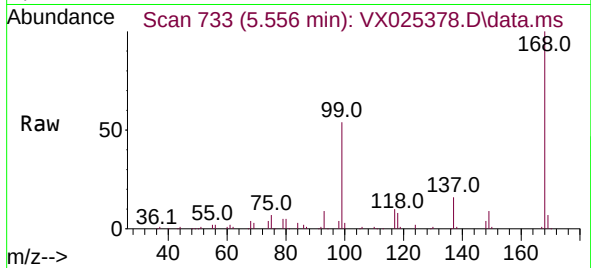




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

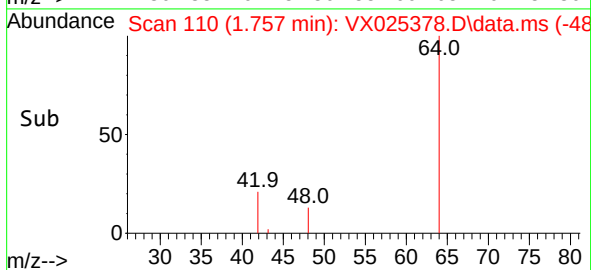
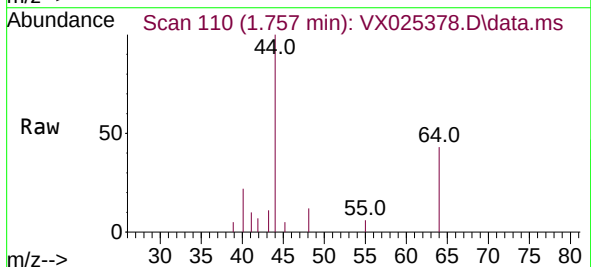
Instrument :
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20927

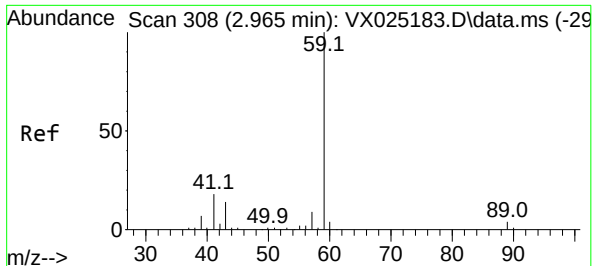
Tgt Ion:168 Resp: 128016
Ion Ratio Lower Upper
168 100
99 54.3 46.4 69.6



#6
Chloroethane
Concen: 0.324 ug/l
RT: 1.757 min Scan# 110
Delta R.T. 0.078 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 64 Resp: 337
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#





#11

Tert butyl alcohol

Concen: 0.661 ug/l

RT: 2.946 min Scan# 308

Delta R.T. -0.019 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

Instrument :

MSVOA_X

ClientSampleId :

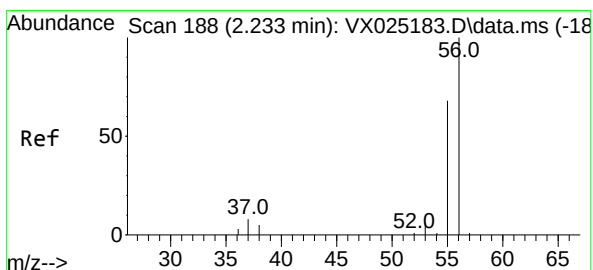
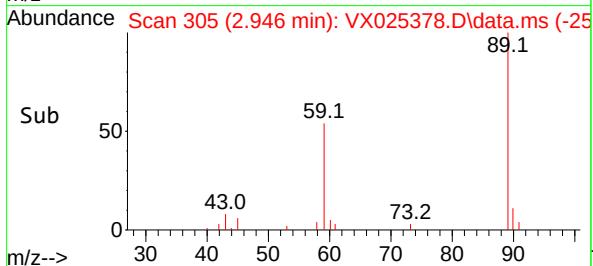
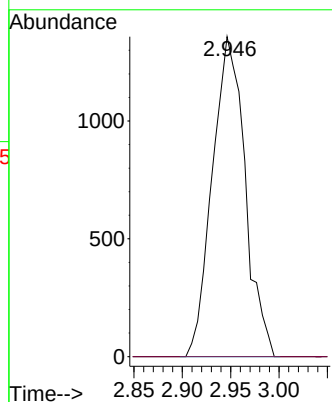
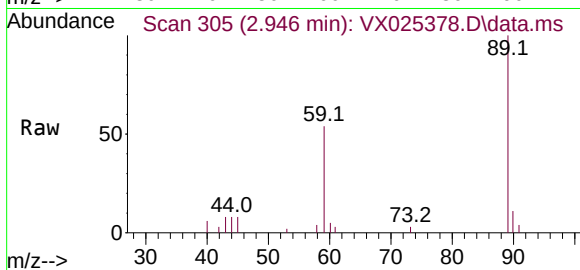
20927

Tgt Ion: 59 Resp: 3197

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#13

Acrolein

Concen: 0.324 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX025378.D

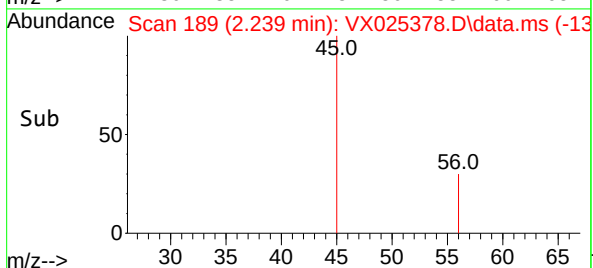
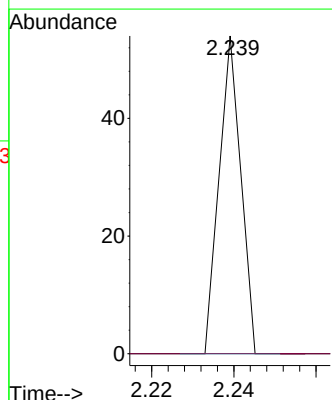
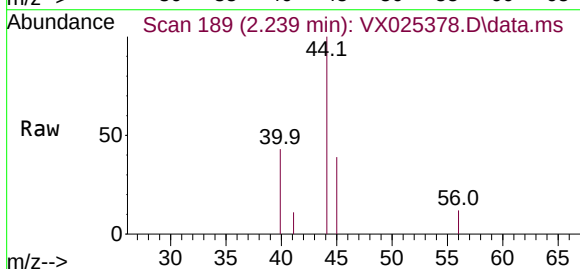
Acq: 29 Nov 2021 18:31

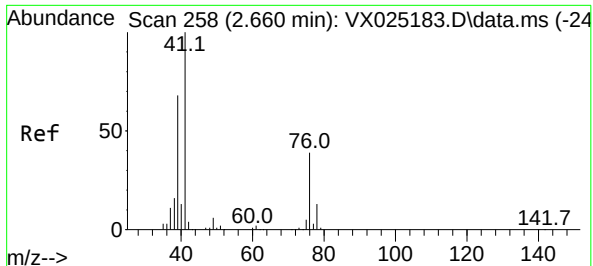
Tgt Ion: 56 Resp: 20

Ion Ratio Lower Upper

56 100

55 0.0 58.6 87.8#

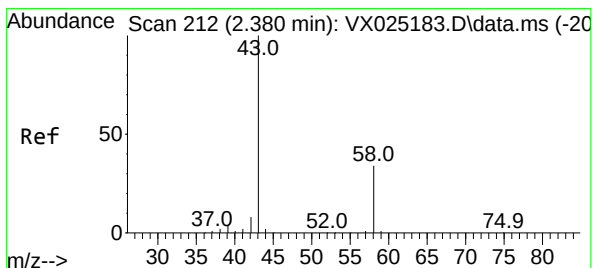
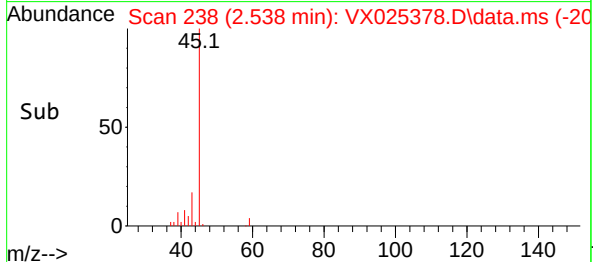
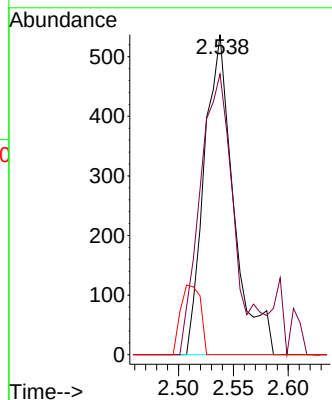
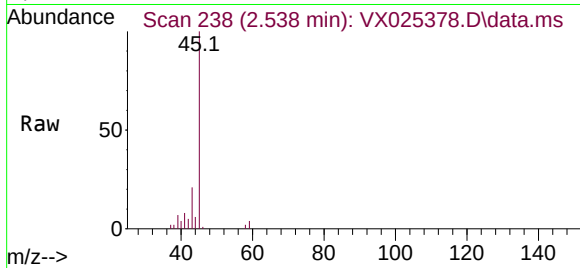




#14
 Allyl chloride
 Concen: 0.467 ug/l
 RT: 2.538 min Scan# 21
 Delta R.T. -0.122 min
 Lab File: VX025378.D
 Acq: 29 Nov 2021 18:31

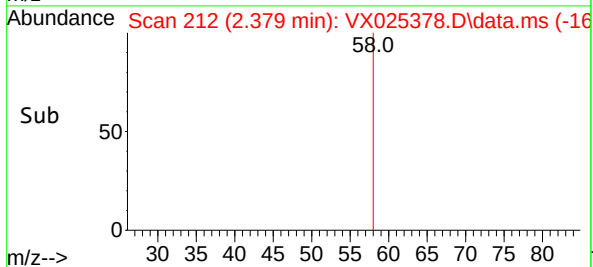
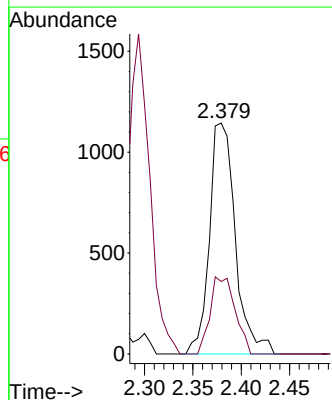
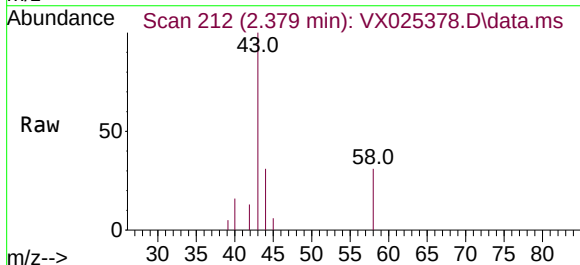
Instrument :
 MSVOA_X
 ClientSampleId :
 20927

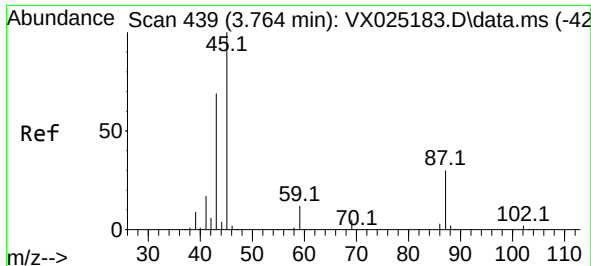
Tgt Ion: 41 Resp: 1003
 Ion Ratio Lower Upper
 41 100
 39 103.5 54.6 82.0#
 76 0.0 25.3 37.9#



#16
 Acetone
 Concen: 2.842 ug/l
 RT: 2.379 min Scan# 212
 Delta R.T. -0.001 min
 Lab File: VX025378.D
 Acq: 29 Nov 2021 18:31

Tgt Ion: 43 Resp: 2131
 Ion Ratio Lower Upper
 43 100
 58 31.4 24.0 36.0

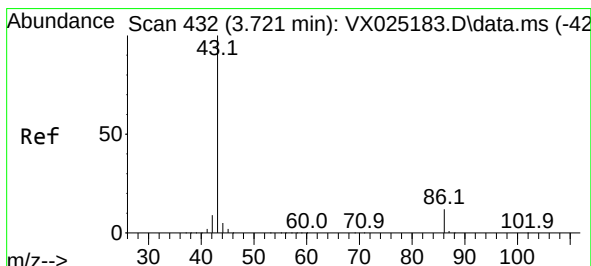
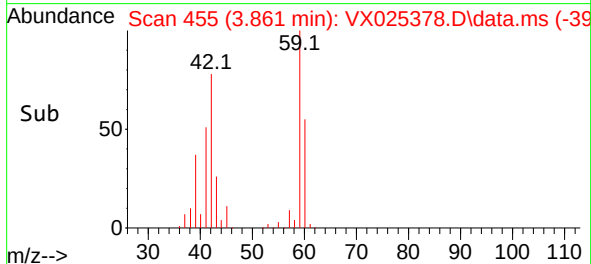
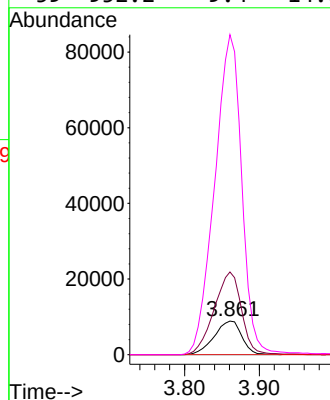
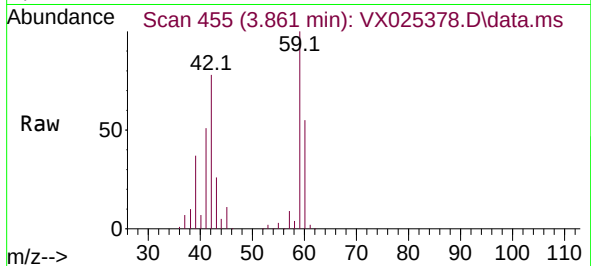




#22
Diisopropyl ether
Concen: 5.595 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.097 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

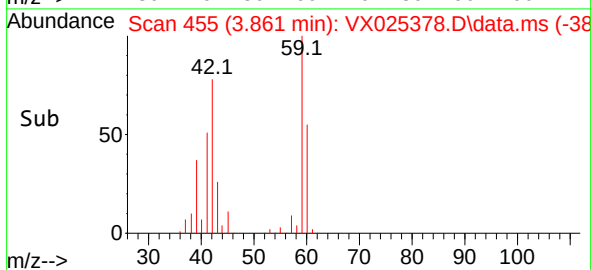
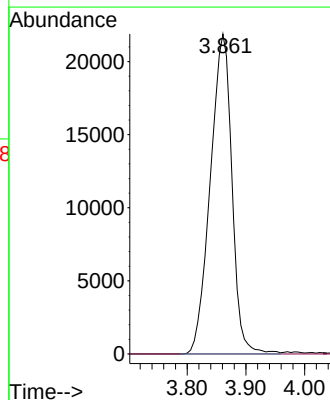
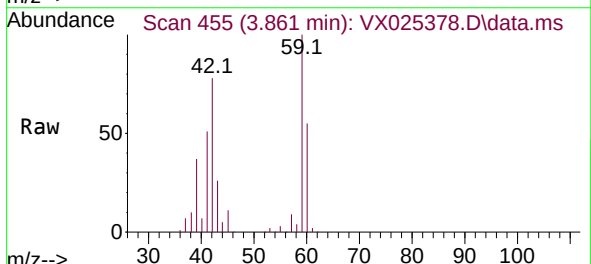
Instrument :
MSVOA_X
ClientSampleId :
20927

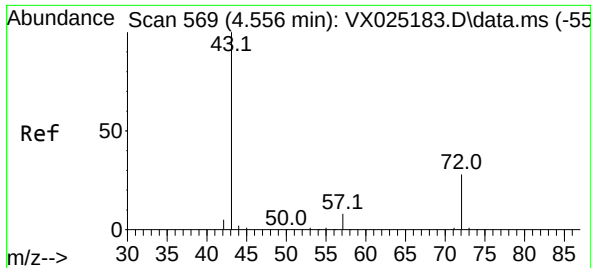
Tgt Ion:	45	Resp:	22879
Ion	Ratio	Lower	Upper
45	100		
43	246.3	58.3	87.5#
87	0.0	23.7	35.5#
59	952.2	9.4	14.0#



#23
Vinyl Acetate
Concen: 17.018 ug/l
RT: 3.861 min Scan# 455
Delta R.T. 0.140 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion:	43	Resp:	55902
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

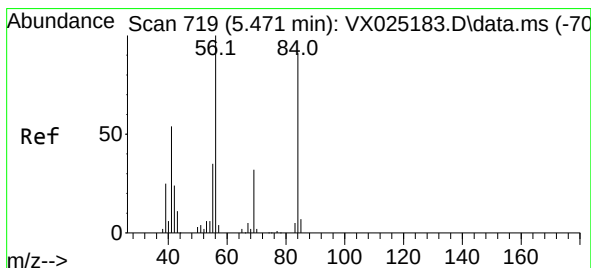
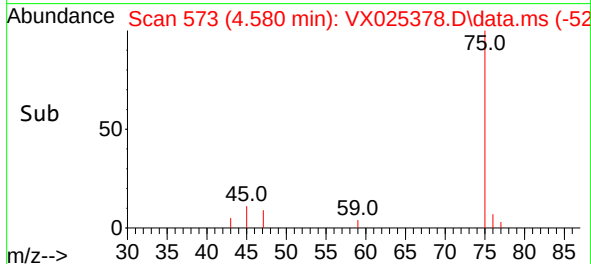
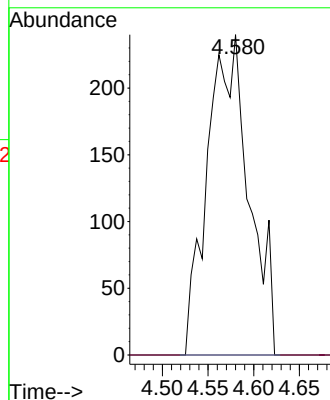
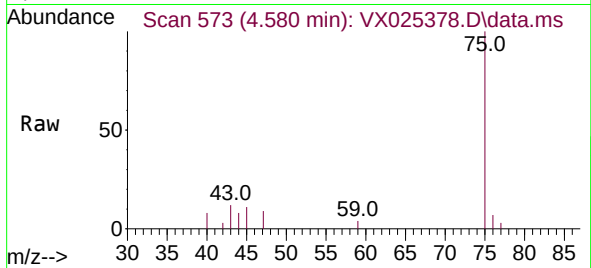




#25
2-Butanone
Concen: 0.698 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

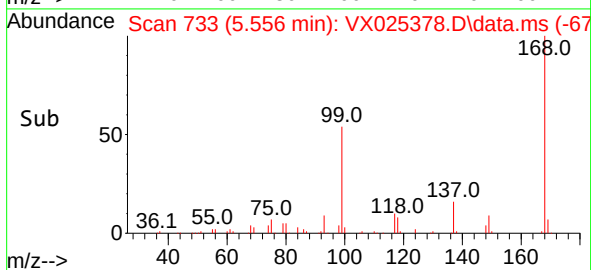
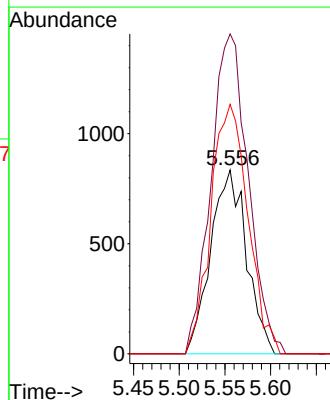
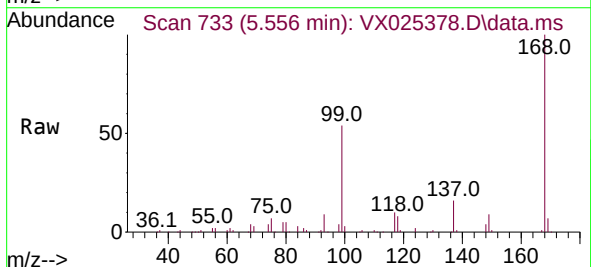
Instrument :
MSVOA_X
ClientSampleId :
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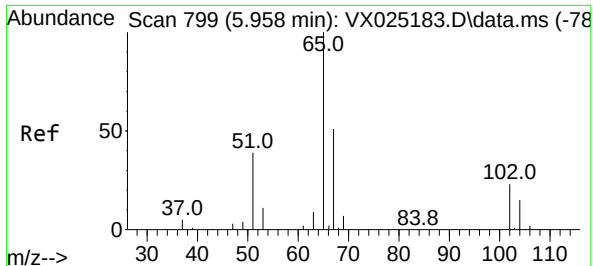
Tgt Ion: 43 Resp: 757
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.090 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.085 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 56 Resp: 2273
Ion Ratio Lower Upper
56 100
69 174.0 24.2 36.2#
84 135.7 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 52.177 ug/l

RT: 5.958 min Scan# 799

Delta R.T. -0.000 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

Instrument :

MSVOA_X

ClientSampleId :

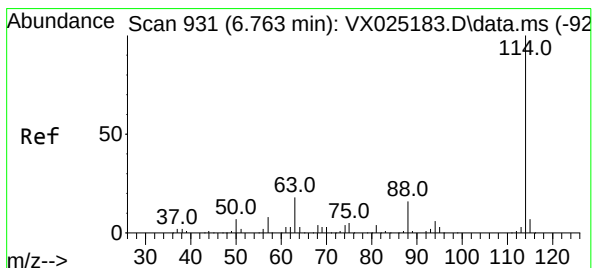
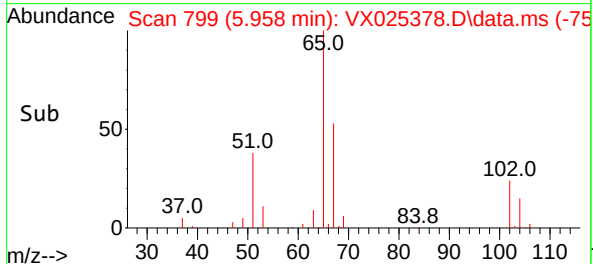
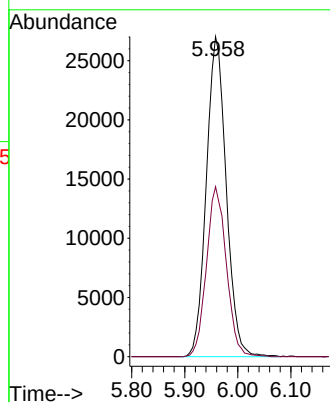
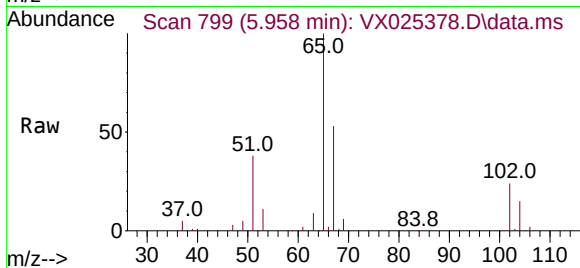
20927

Tgt Ion: 65 Resp: 70406

Ion Ratio Lower Upper

65 100

67 53.1 0.0 101.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

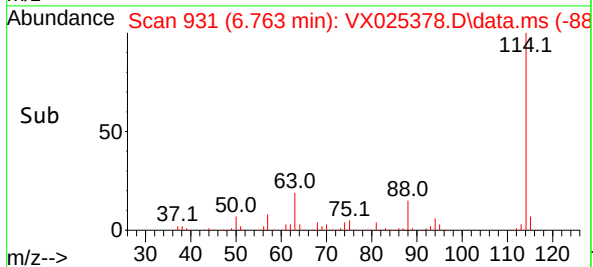
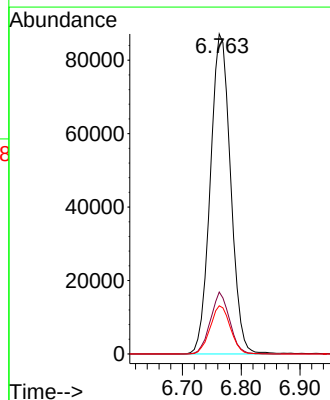
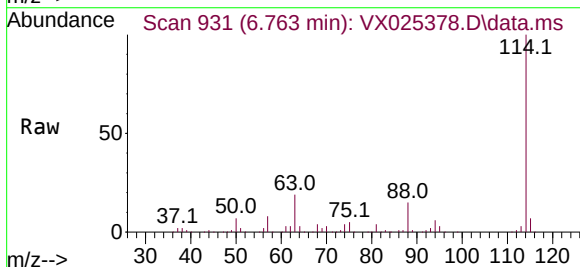
Tgt Ion: 114 Resp: 208822

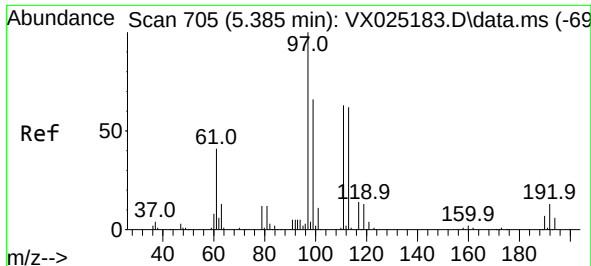
Ion Ratio Lower Upper

114 100

63 19.3 0.0 41.0

88 15.1 0.0 34.8

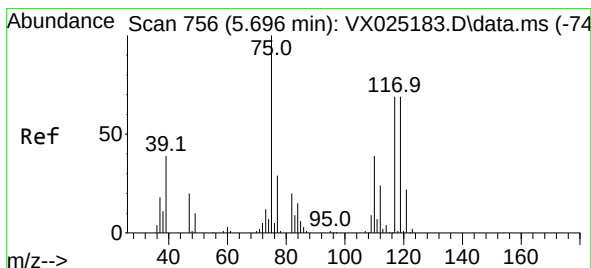
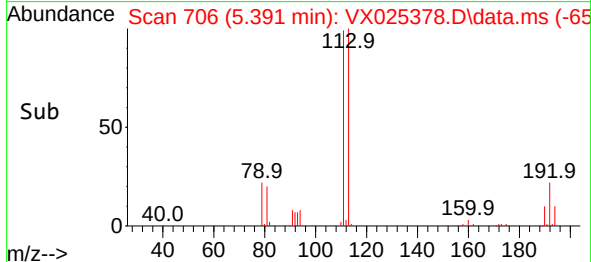
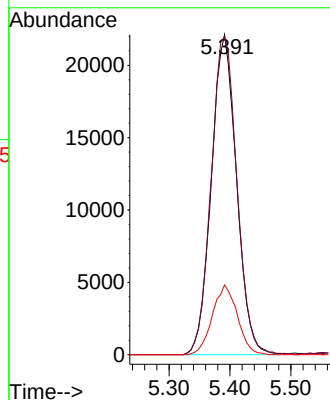
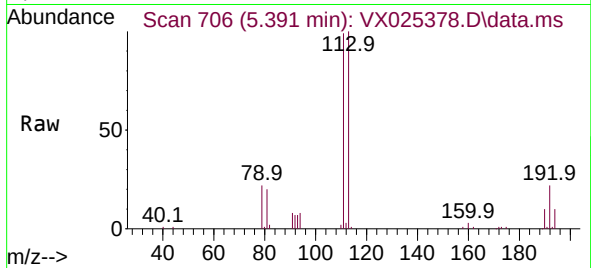




#35
Dibromofluoromethane
Concen: 49.533 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

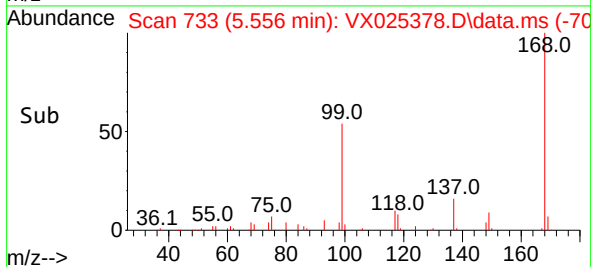
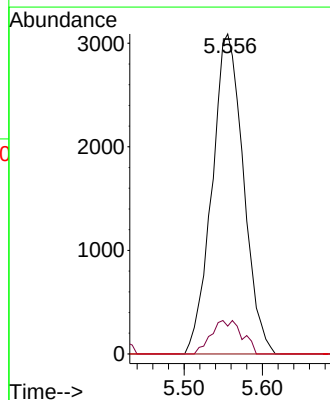
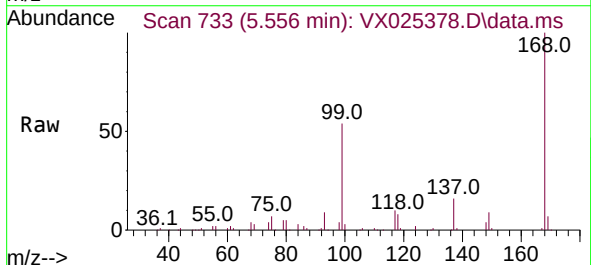
Instrument :
MSVOA_X
ClientSampleId :
20927

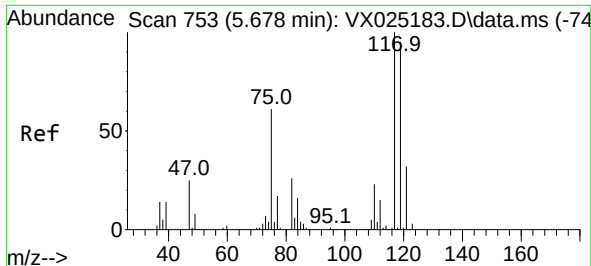
Tgt Ion:113 Resp: 63465
Ion Ratio Lower Upper
113 100
111 101.9 82.1 123.1
192 21.5 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 75 Resp: 8612
Ion Ratio Lower Upper
75 100
110 10.3 18.1 54.3#
77 0.0 24.4 36.6#

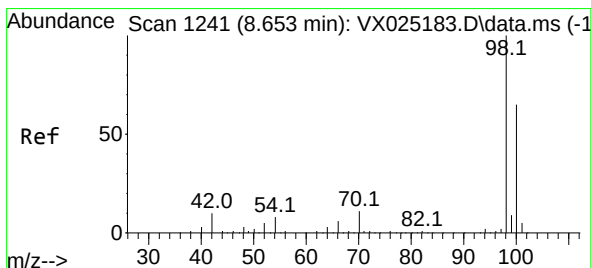
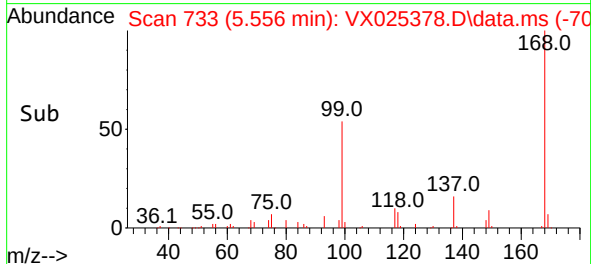
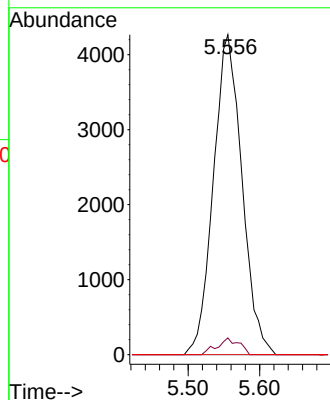
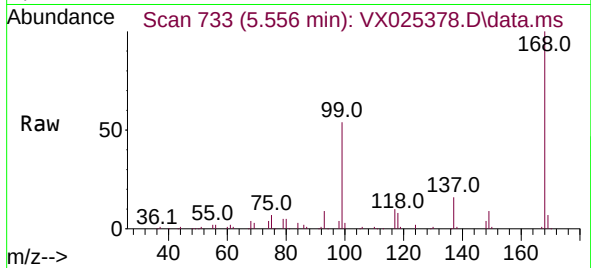




#38
Carbon Tetrachloride
Concen: 5.891 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

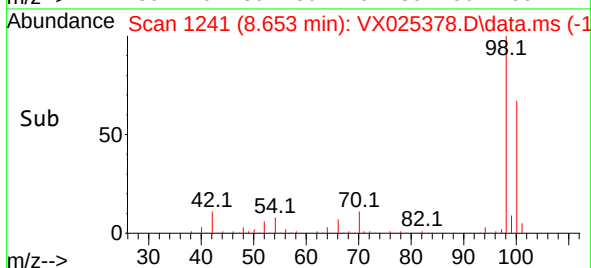
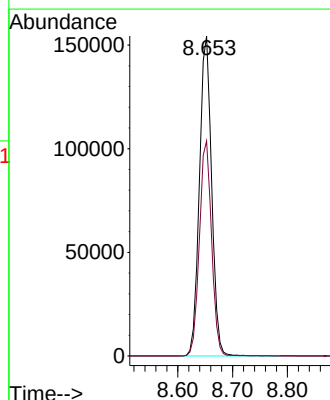
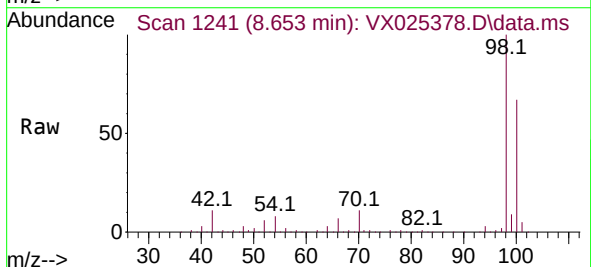
Instrument :
MSVOA_X
ClientSampleId :
20927

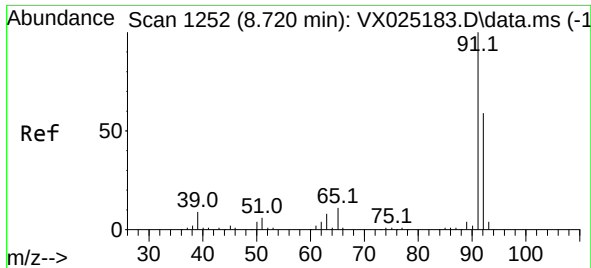
Tgt Ion:117 Resp: 11822
Ion Ratio Lower Upper
117 100
119 5.3 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 49.630 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 98 Resp: 239085
Ion Ratio Lower Upper
98 100
100 67.1 51.4 77.0

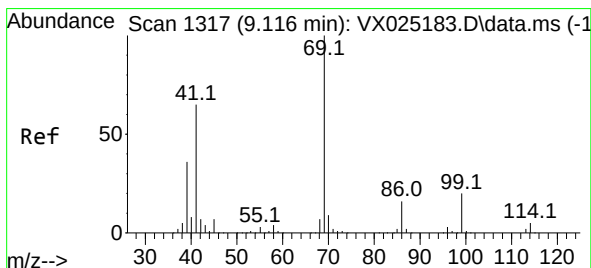
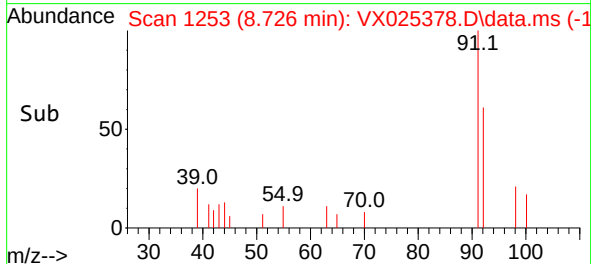
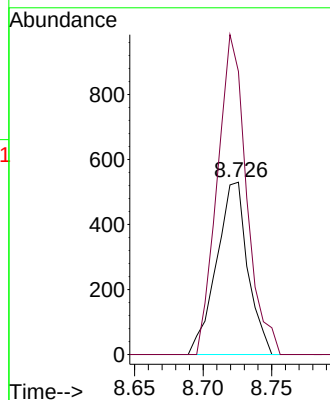
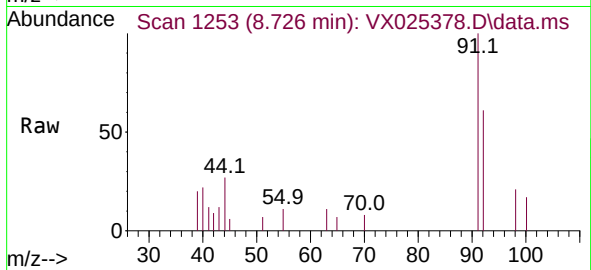




#52
Toluene
Concen: 0.234 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

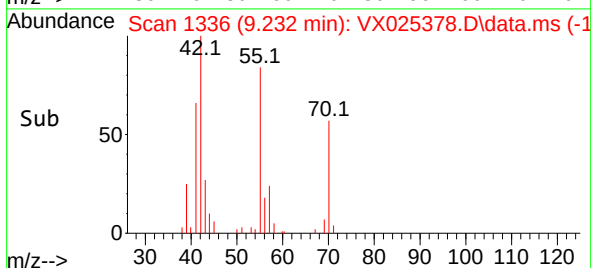
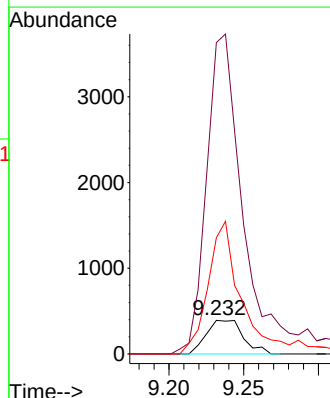
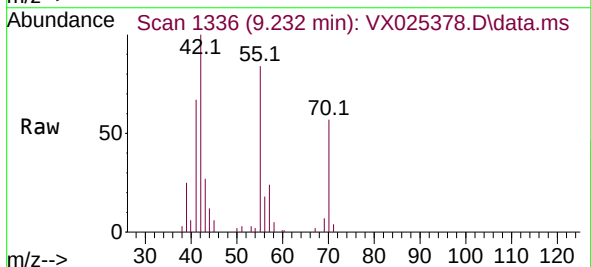
Instrument :
MSVOA_X
ClientSampleId :
20927

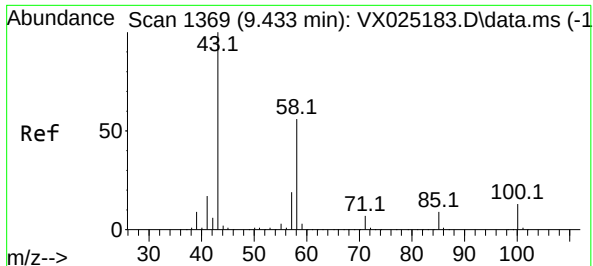
Tgt Ion: 92 Resp: 842
Ion Ratio Lower Upper
92 100
91 173.3 138.6 208.0



#56
Ethyl methacrylate
Concen: 0.290 ug/l
RT: 9.232 min Scan# 1336
Delta R.T. 0.116 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 69 Resp: 673
Ion Ratio Lower Upper
69 100
41 984.8 55.3 82.9#
39 373.4 30.2 45.4#





#59

2-Hexanone

Concen: 0.293 ug/l

RT: 9.341 min Scan# 11

Delta R.T. -0.092 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

Instrument :

MSVOA_X

ClientSampleId :

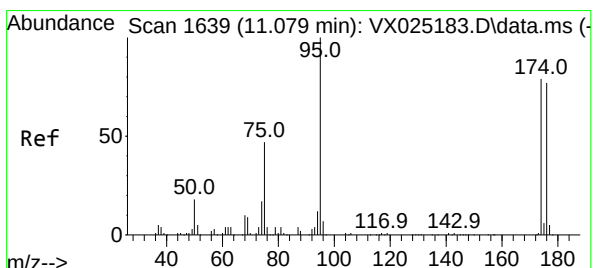
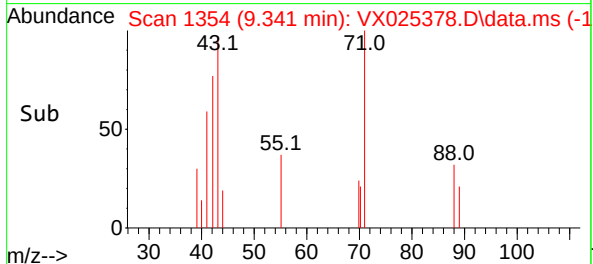
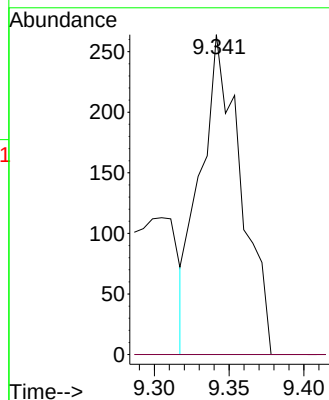
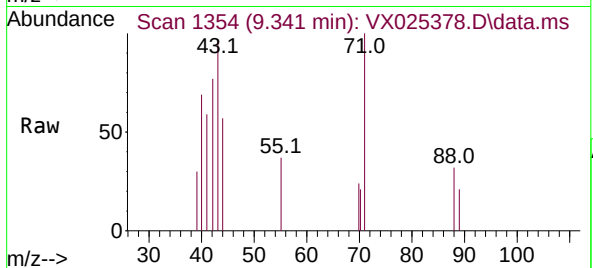
20927

Tgt Ion: 43 Resp: 500

Ion Ratio Lower Upper

43 100

58 0.0 26.6 79.7#



#62

4-Bromofluorobenzene

Concen: 47.875 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

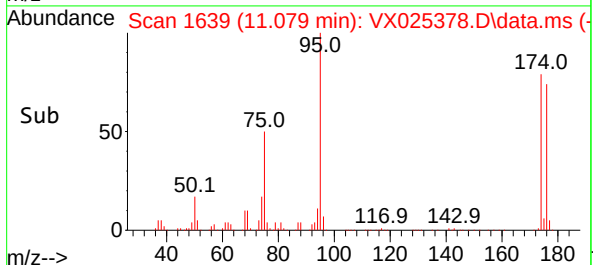
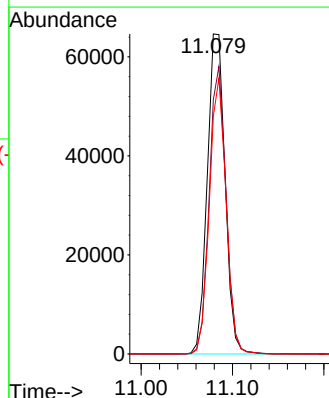
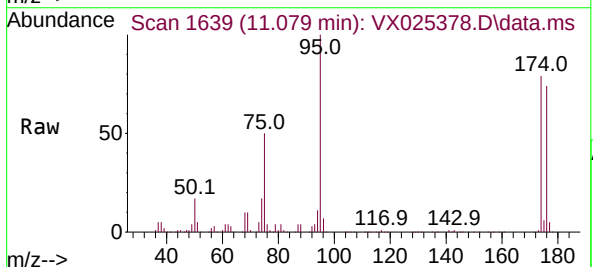
Tgt Ion: 95 Resp: 87251

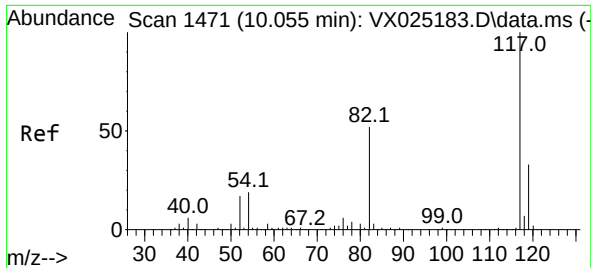
Ion Ratio Lower Upper

95 100

174 85.0 0.0 158.0

176 81.0 0.0 153.6

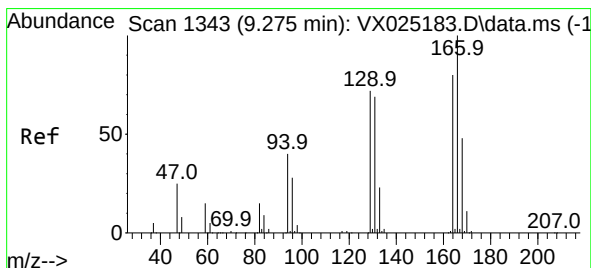
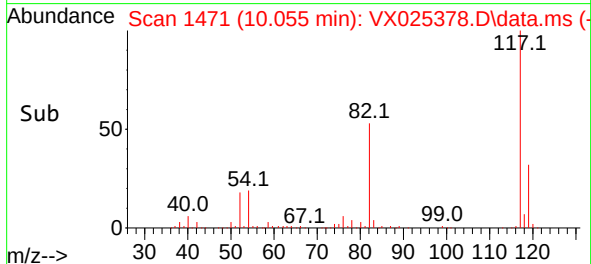
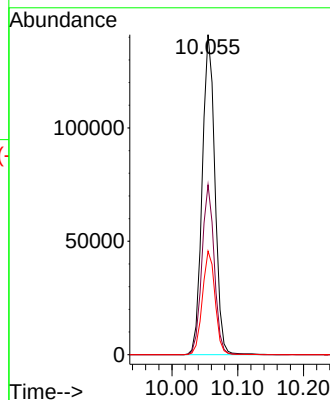
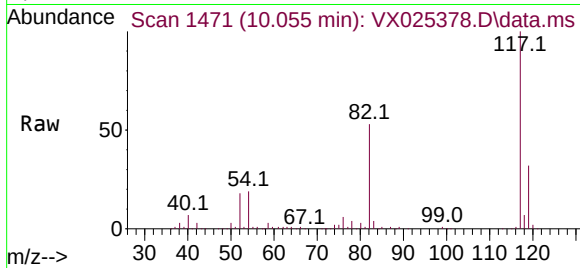




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

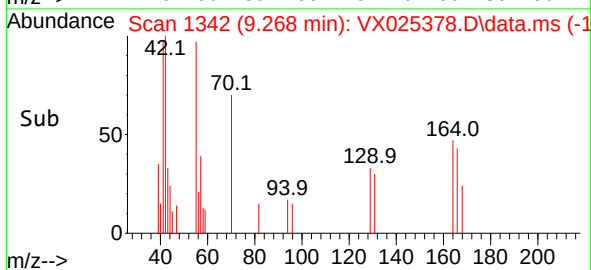
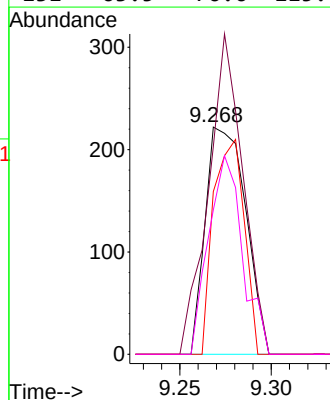
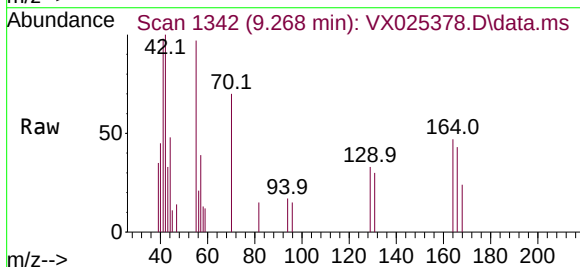
Instrument :
MSVOA_X
ClientSampleId :
20927

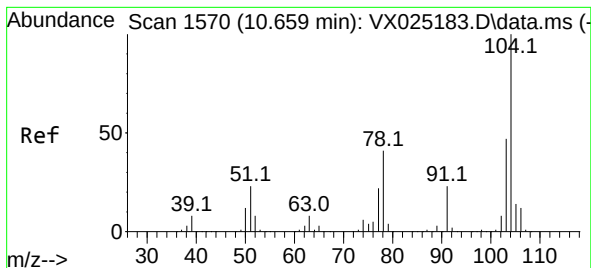
Tgt Ion:117 Resp: 189348
Ion Ratio Lower Upper
117 100
82 53.1 44.6 67.0
119 32.4 24.8 37.2



#64
Tetrachloroethene
Concen: 0.218 ug/l
RT: 9.268 min Scan# 1342
Delta R.T. -0.007 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion:164 Resp: 341
Ion Ratio Lower Upper
164 100
166 91.4 103.2 154.8#
129 71.6 81.0 121.4#
131 63.5 76.6 115.0#





#70

Styrene

Concen: 0.382 ug/l

RT: 10.658 min Scan# 11

Delta R.T. -0.001 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

Instrument :

MSVOA_X

ClientSampleId :

20927

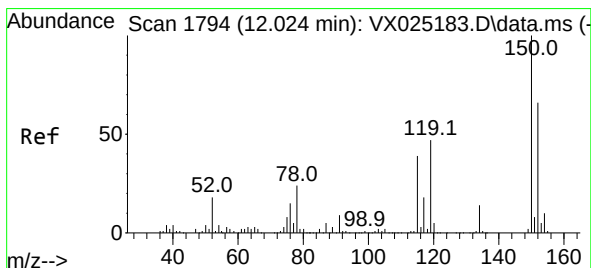
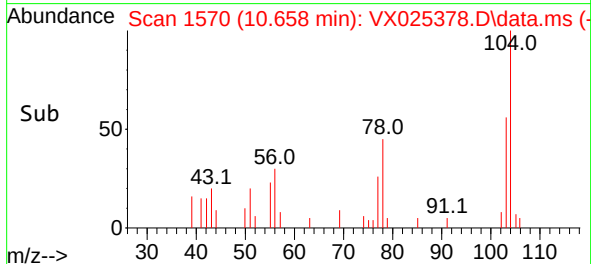
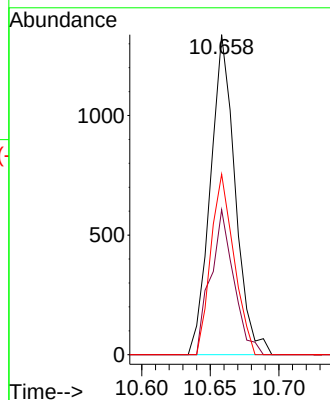
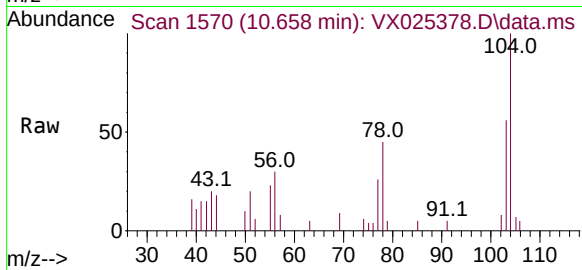
Tgt Ion:104 Resp: 1681

Ion Ratio Lower Upper

104 100

78 42.4 41.3 61.9

103 52.5 43.5 65.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.024 min Scan# 1794

Delta R.T. -0.000 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

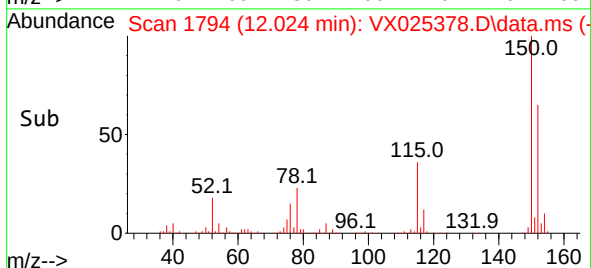
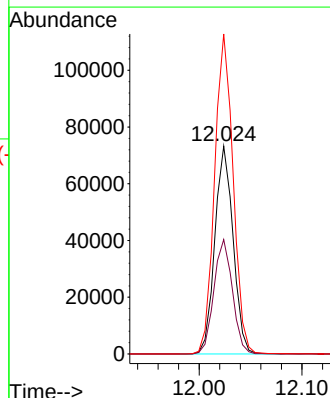
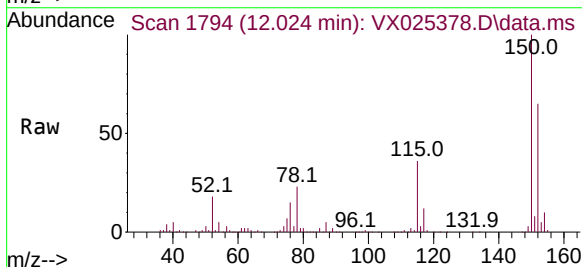
Tgt Ion:152 Resp: 90232

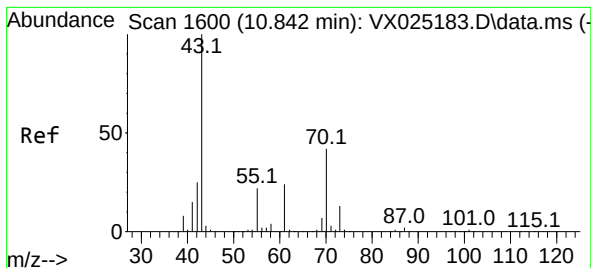
Ion Ratio Lower Upper

152 100

115 55.8 43.3 129.8

150 156.0 0.0 351.2





#74

N-amy1 acetate

Concen: 6.022 ug/l

RT: 10.579 min Scan# 1

Delta R.T. -0.263 min

Lab File: VX025378.D

Acq: 29 Nov 2021 18:31

Instrument :

MSVOA_X

ClientSampleId :

20927

Tgt Ion: 43 Resp: 16750

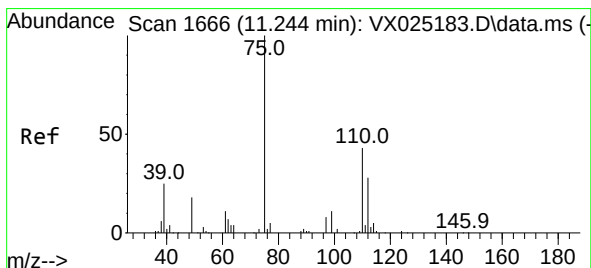
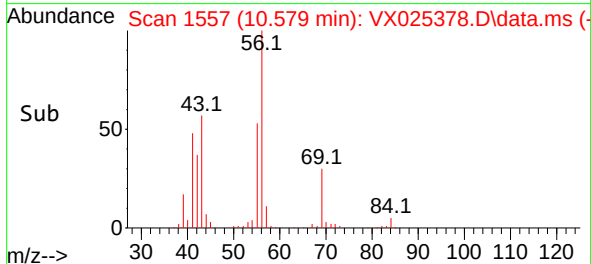
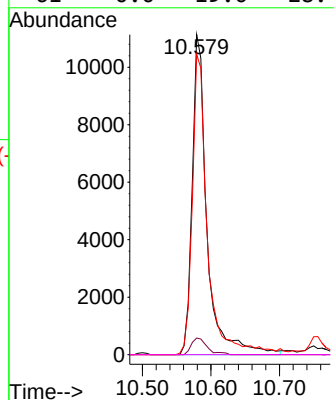
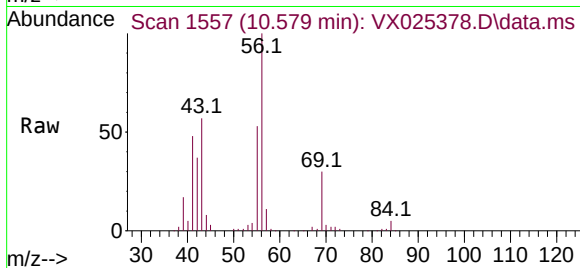
Ion Ratio Lower Upper

43 100

70 5.6 33.7 50.5#

55 92.8 19.7 29.5#

61 0.0 19.0 28.4#



#76

1,2,3-Trichloropropane

Concen: 22.872 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.165 min

Lab File: VX025378.D

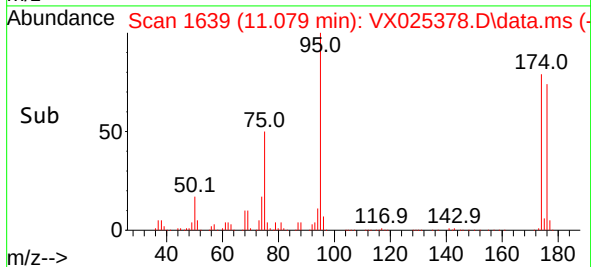
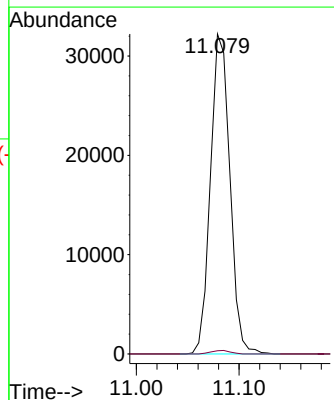
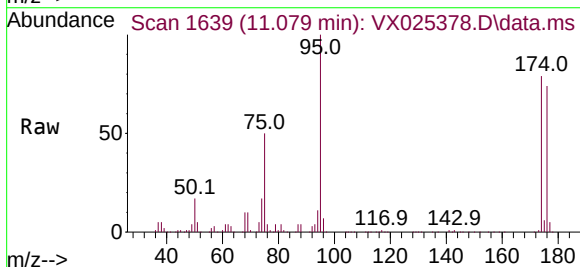
Acq: 29 Nov 2021 18:31

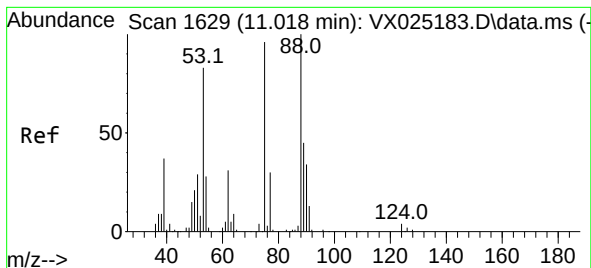
Tgt Ion: 75 Resp: 42262

Ion Ratio Lower Upper

75 100

77 1.1 20.0 59.9#

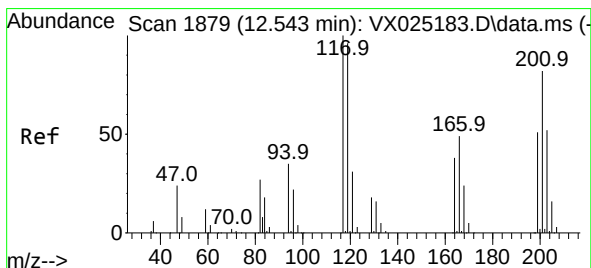
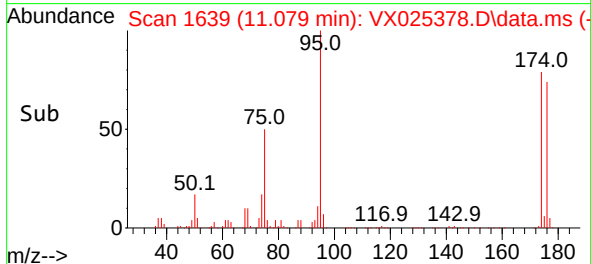
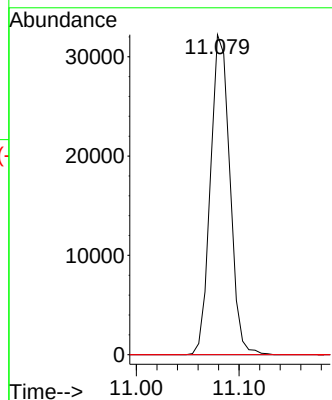
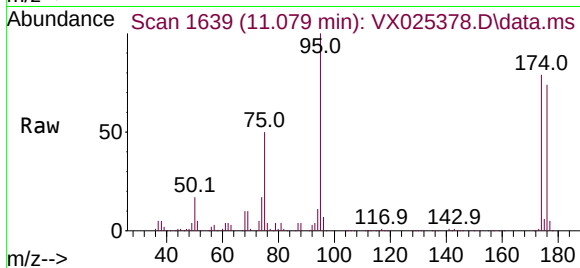




#81
trans-1,4-Dichloro-2-butene
Concen: 57.618 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.061 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Instrument :
MSVOA_X
ClientSampleId :
20927

Tgt Ion: 75 Resp: 42262
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#90
Hexachloroethane
Concen: 0.291 ug/l
RT: 12.414 min Scan# 1858
Delta R.T. -0.129 min
Lab File: VX025378.D
Acq: 29 Nov 2021 18:31

Tgt Ion: 117 Resp: 308
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#

