

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112921\
 Data File : VX025379.D
 Acq On : 29 Nov 2021 18:55
 Operator : JC/MD
 Sample : M4837-09 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20929

Quant Time: Nov 30 04:04:05 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)

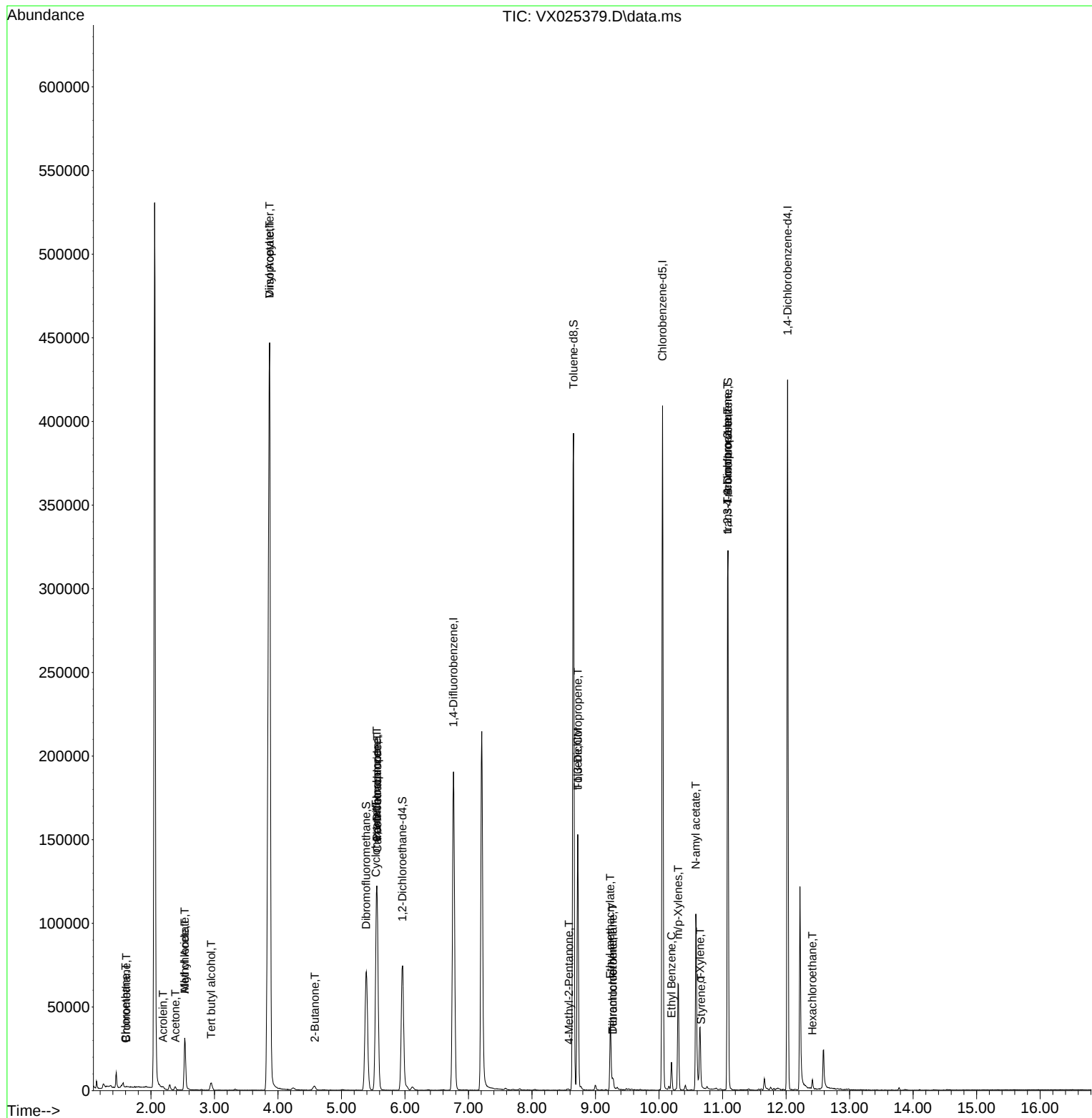
Internal Standards						
1) Pentafluorobenzene	5.556	168	126096	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	205652	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	186966	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	89848	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	69559	52.334	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.660%			
35) Dibromofluoromethane	5.385	113	61929	49.079	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.160%			
50) Toluene-d8	8.653	98	237805	50.125	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.240%			
62) 4-Bromofluorobenzene	11.085	95	85026	47.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.740%			
Target Compounds					Qvalue	
5) Bromomethane	1.611	94	144	0.225	ug/l	94
6) Chloroethane	1.599	64	748	0.730	ug/l #	43
11) Tert butyl alcohol	2.946	59	3171	0.730	ug/l #	73
13) Acrolein	2.190	56	70	1.150	ug/l #	1
14) Allyl chloride	2.532	41	2973	1.406	ug/l #	72
16) Acetone	2.386	43	2208	2.990	ug/l	98
18) Methyl Acetate	2.532	43	7766	3.291	ug/l #	52
22) Diisopropyl ether	3.867	45	30253	7.511	ug/l #	1
23) Vinyl Acetate	3.867	43	74266	22.953	ug/l #	72
25) 2-Butanone	4.580	43	400	0.375	ug/l #	48
31) Cyclohexane	5.544	56	2190	1.066	ug/l #	11
36) 1,1-Dichloropropene	5.556	75	8273	4.611	ug/l #	50
38) Carbon Tetrachloride	5.562	117	11937	6.040	ug/l #	16
51) 4-Methyl-2-Pentanone	8.580	43	444	0.208	ug/l	96
52) Toluene	8.720	92	57290	16.145	ug/l	98
53) t-1,3-Dichloropropene	8.720	75	575	0.272	ug/l #	1
56) Ethyl methacrylate	9.232	69	1079	0.471	ug/l #	1
60) Dibromochloromethane	9.275	129	917	0.565	ug/l #	11
64) Tetrachloroethene	9.268	164	1037	0.673	ug/l #	67
67) Ethyl Benzene	10.195	91	8972	1.363	ug/l	92
68) m/p-Xylenes	10.299	106	16123	5.995	ug/l	95
69) o-Xylene	10.646	106	8025	3.049	ug/l	92
70) Styrene	10.658	104	1884	0.433	ug/l #	47
74) N-amyl acetate	10.579	43	20930	7.557	ug/l #	21
76) 1,2,3-Trichloropropane	11.079	75	41563	22.590	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	41563	56.908	ug/l #	9
90) Hexachloroethane	12.414	117	235	0.223	ug/l #	11
95) Naphthalene	13.780	128	1148	Below Cal	#	92

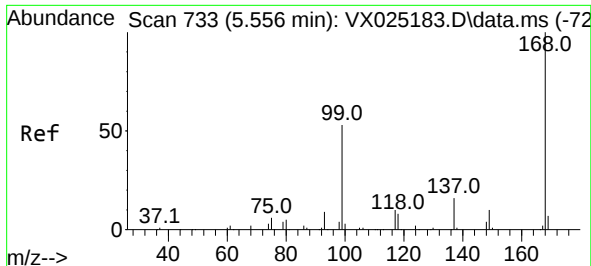
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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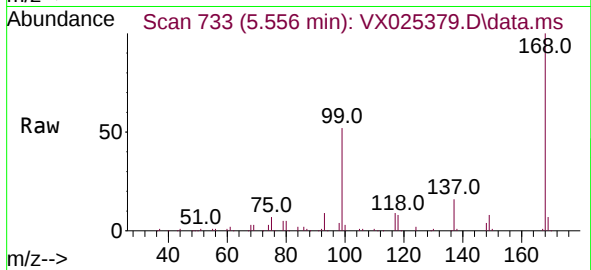
Quant Time: Nov 30 04:04:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
Response via : Initial Calibration



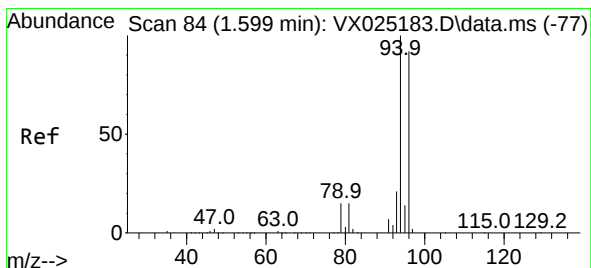
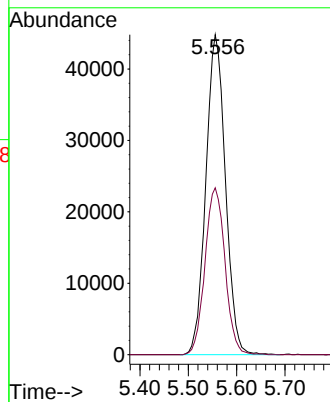
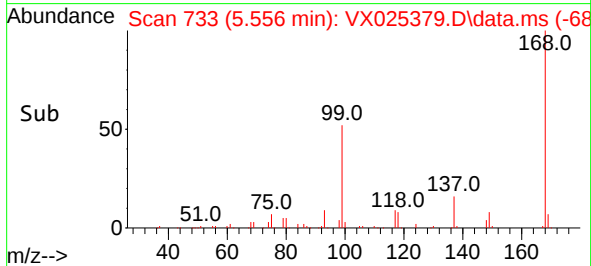


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Instrument :
MSVOA_X
ClientSampleId :
20929

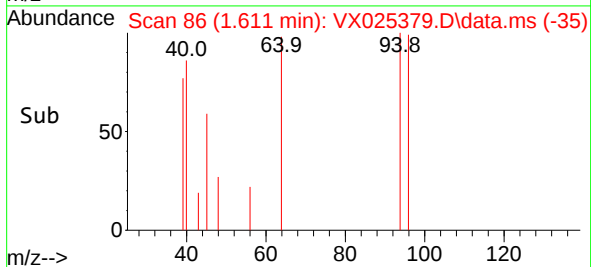
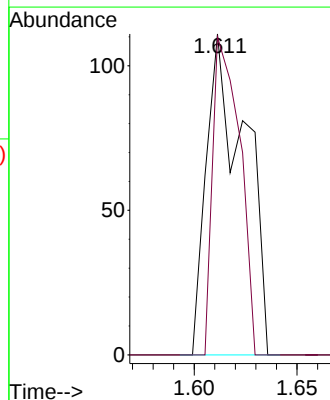
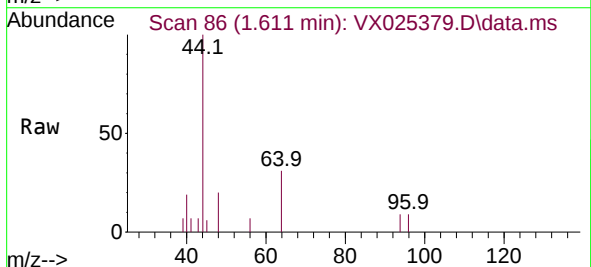


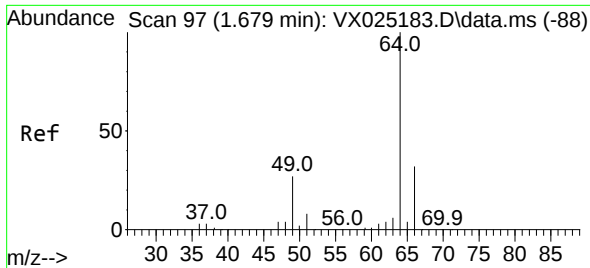
Tgt Ion:168 Resp: 126096
Ion Ratio Lower Upper
168 100
99 52.1 46.4 69.6



#5
Bromomethane
Concen: 0.225 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 94 Resp: 144
Ion Ratio Lower Upper
94 100
96 99.1 74.8 112.2

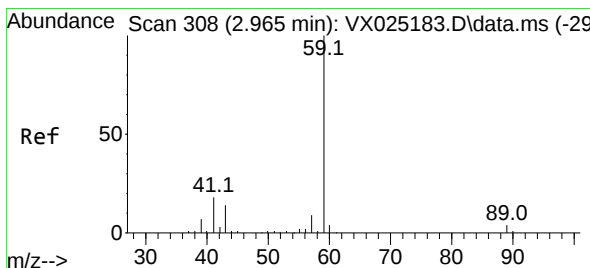
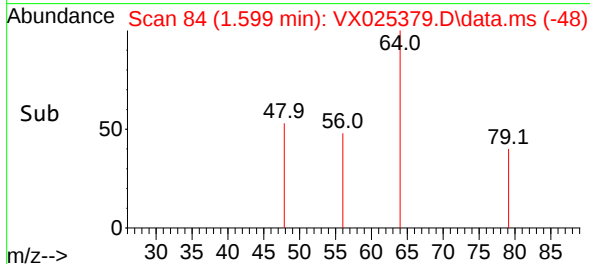
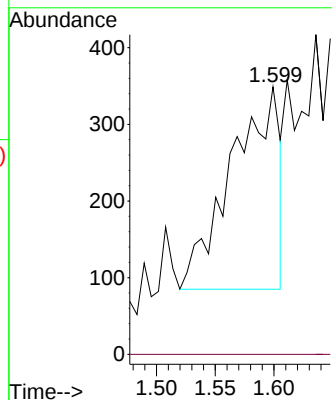
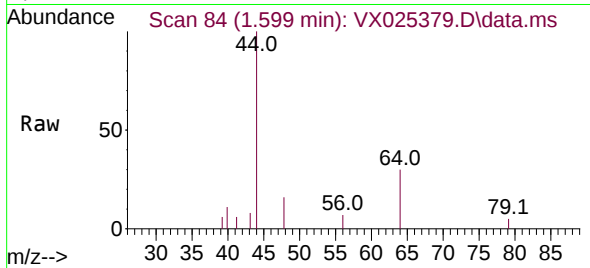




#6
Chloroethane
Concen: 0.730 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.080 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

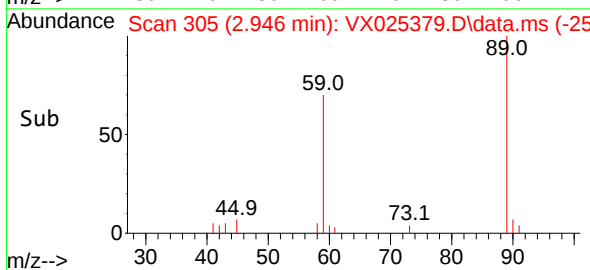
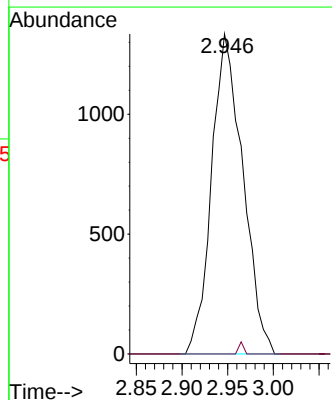
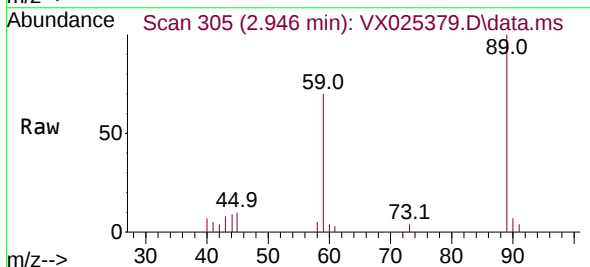
Instrument :
MSVOA_X
ClientSampleId :
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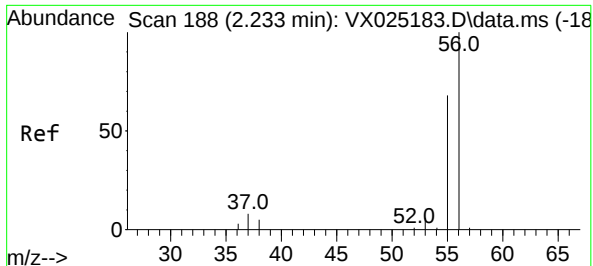
Tgt Ion: 64 Resp: 748
Ion Ratio Lower Upper
64 100
66 0.0 25.6 38.4#



#11
Tert butyl alcohol
Concen: 0.730 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.019 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 59 Resp: 3171
Ion Ratio Lower Upper
59 100
57 0.6 8.5 12.7#

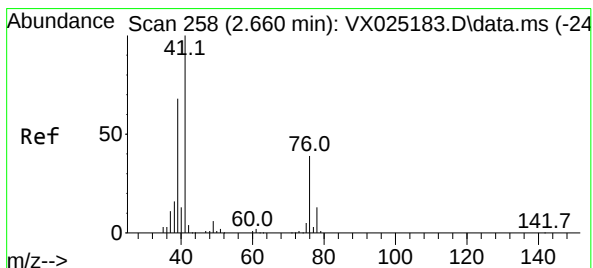
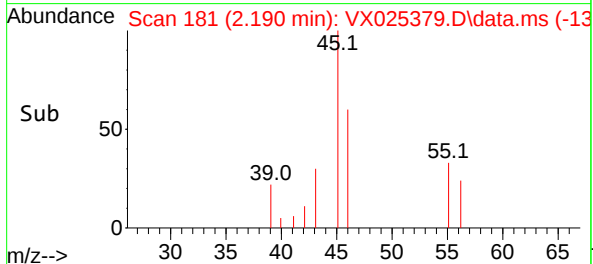
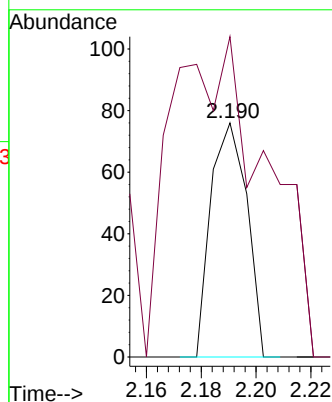
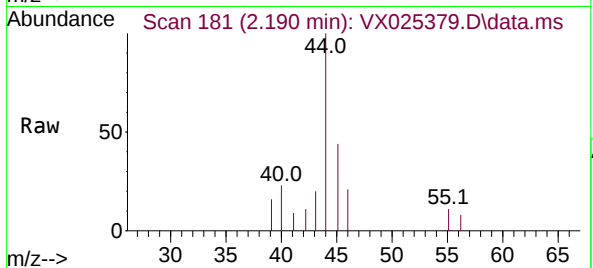




#13
Acrolein
Concen: 1.150 ug/l
RT: 2.190 min Scan# 11
Delta R.T. -0.043 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

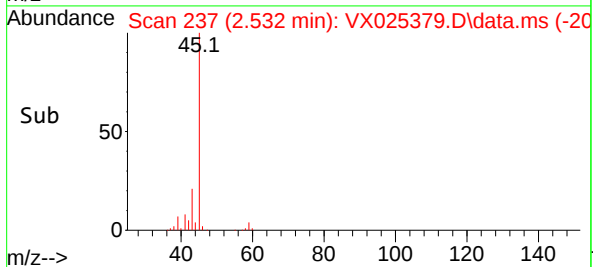
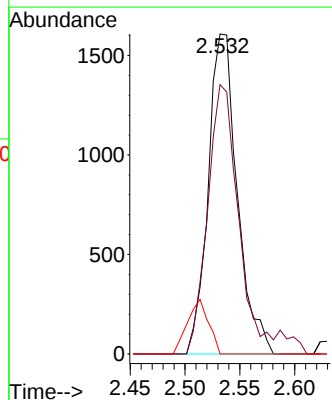
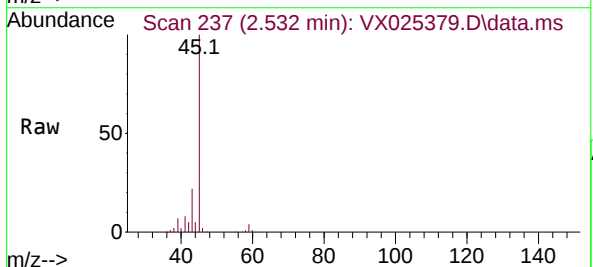
Instrument :
MSVOA_X
ClientSampleId :
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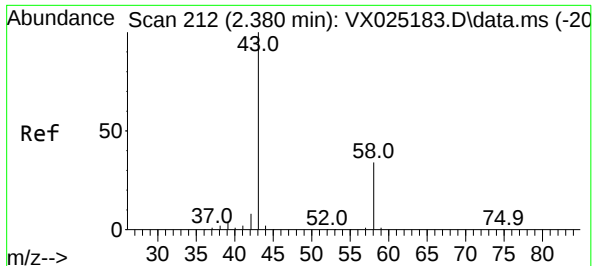
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 354.3 58.6 87.8#



#14
Allyl chloride
Concen: 1.406 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.128 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 41 Resp: 2973
Ion Ratio Lower Upper
41 100
39 88.5 54.6 82.0#
76 12.3 25.3 37.9#

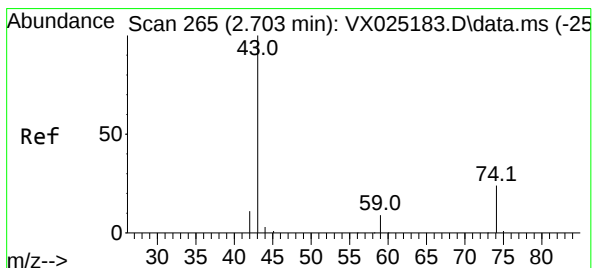
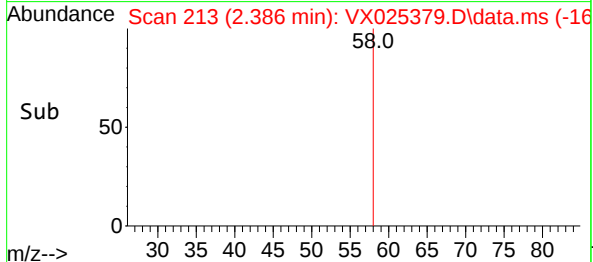
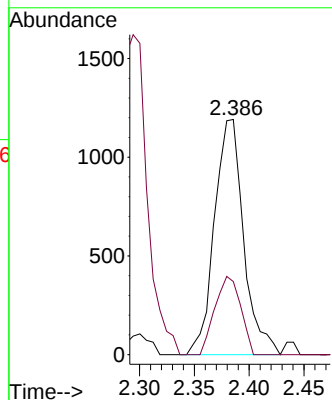
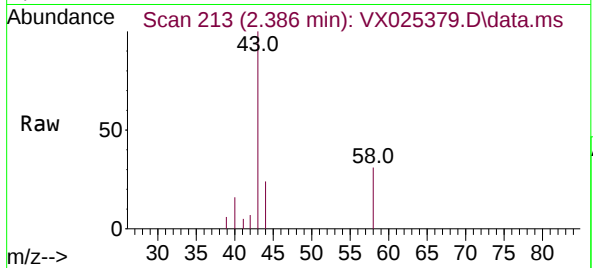




#16
Acetone
Concen: 2.990 ug/l
RT: 2.386 min Scan# 212
Delta R.T. 0.006 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

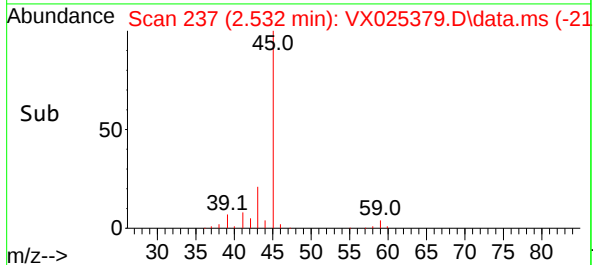
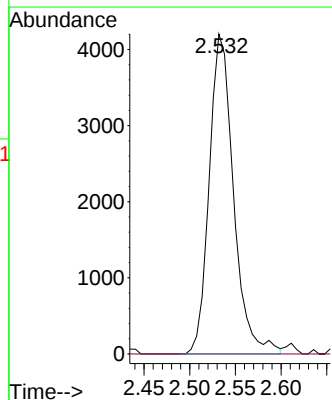
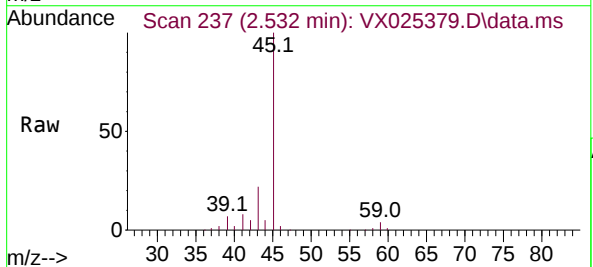
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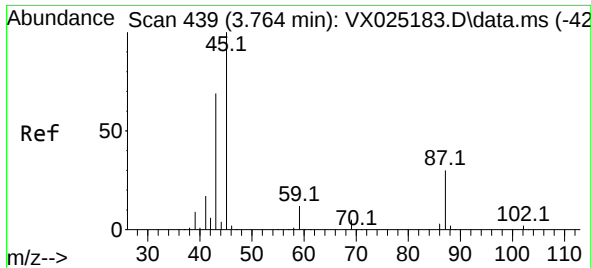
Tgt Ion: 43 Resp: 2208
Ion Ratio Lower Upper
43 100
58 31.1 24.0 36.0



#18
Methyl Acetate
Concen: 3.291 ug/l
RT: 2.532 min Scan# 237
Delta R.T. -0.171 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 43 Resp: 7766
Ion Ratio Lower Upper
43 100
74 0.0 19.0 28.6#

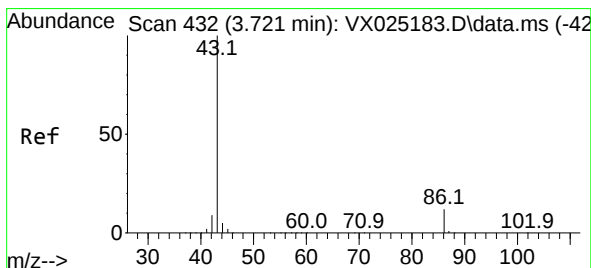
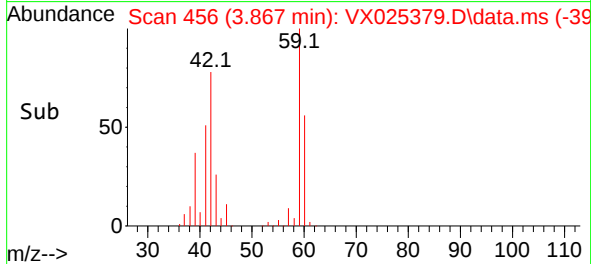
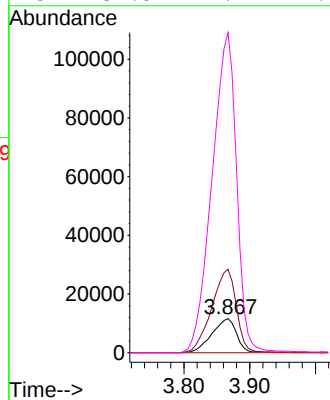
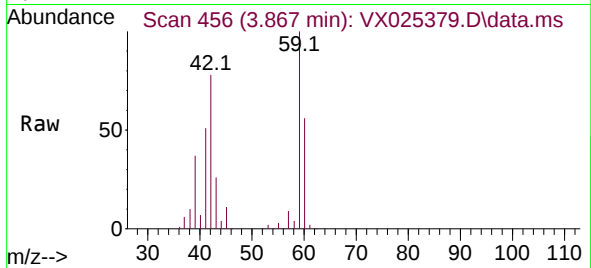




#22
Diisopropyl ether
Concen: 7.511 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.103 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

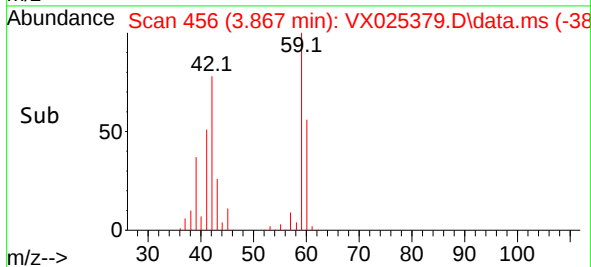
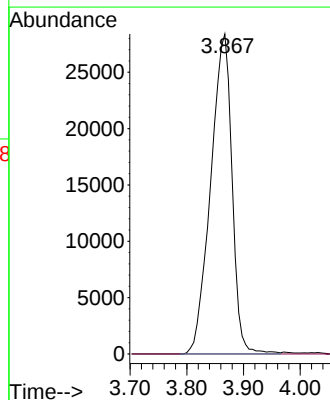
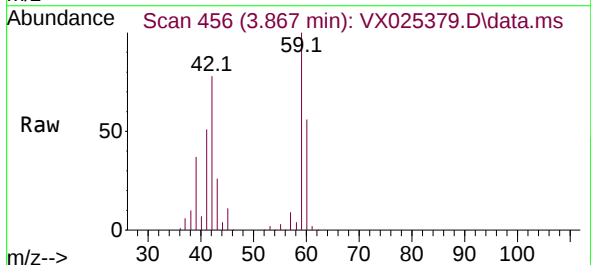
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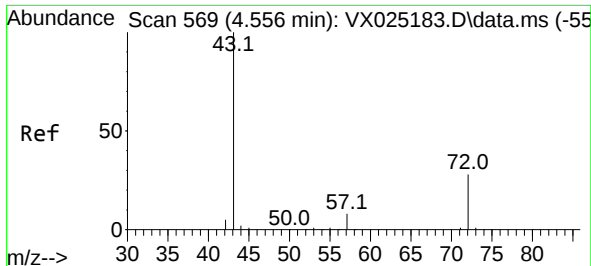
Tgt Ion:	45	Resp:	30253
Ion	Ratio	Lower	Upper
45	100		
43	244.2	58.3	87.5#
87	0.0	23.7	35.5#
59	937.5	9.4	14.0#



#23
Vinyl Acetate
Concen: 22.953 ug/l
RT: 3.867 min Scan# 456
Delta R.T. 0.146 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion:	43	Resp:	74266
Ion	Ratio	Lower	Upper
43	100		
86	0.0	8.2	12.4#

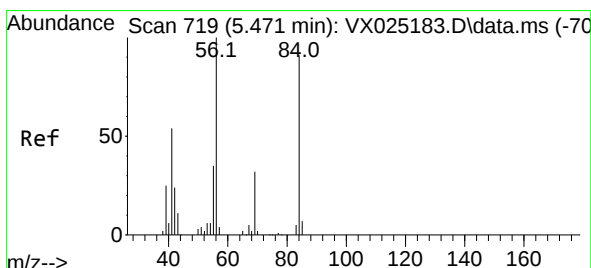
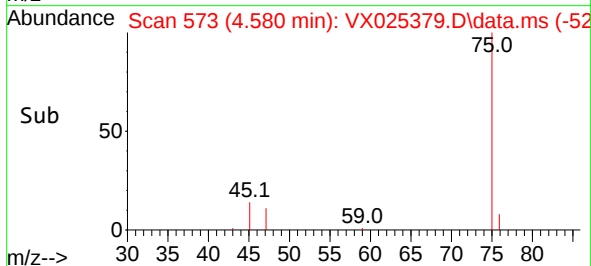
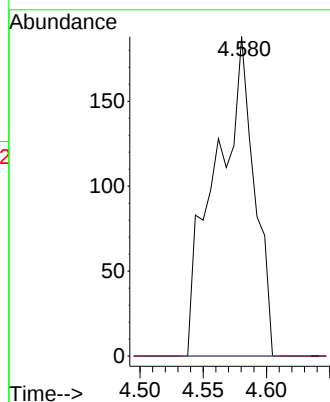
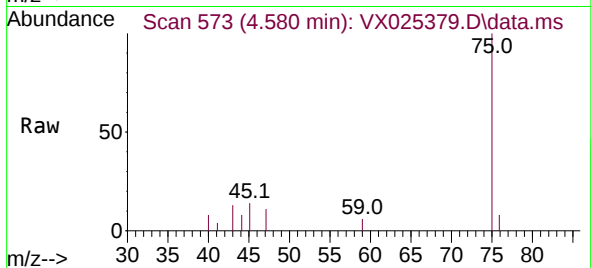




#25
2-Butanone
Concen: 0.375 ug/l
RT: 4.580 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX025379.D
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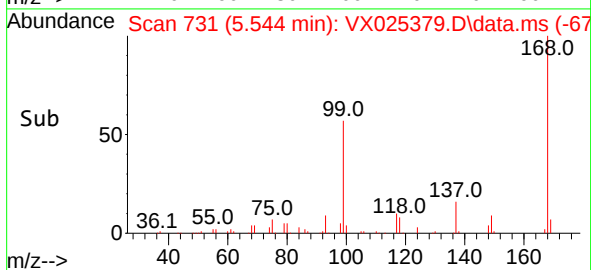
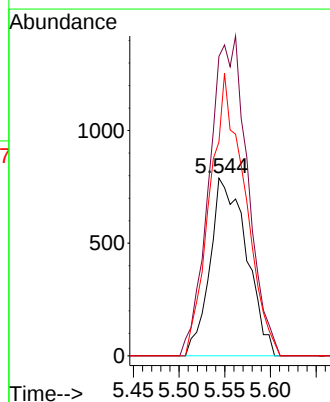
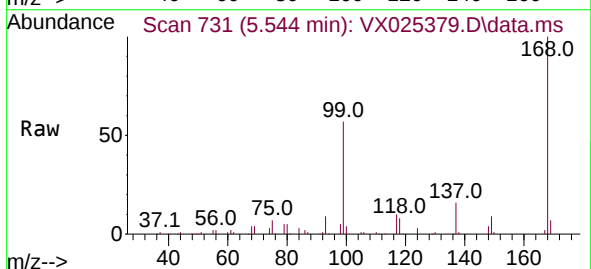
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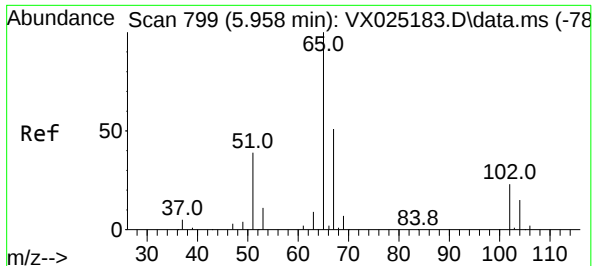
Tgt Ion: 43 Resp: 400
Ion Ratio Lower Upper
43 100
72 0.0 21.2 31.8#



#31
Cyclohexane
Concen: 1.066 ug/l
RT: 5.544 min Scan# 731
Delta R.T. 0.073 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 56 Resp: 2190
Ion Ratio Lower Upper
56 100
69 168.4 24.2 36.2#
84 120.3 71.5 107.3#





#33

1,2-Dichloroethane-d4

Concen: 52.334 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

Instrument :

MSVOA_X

ClientSampleId :

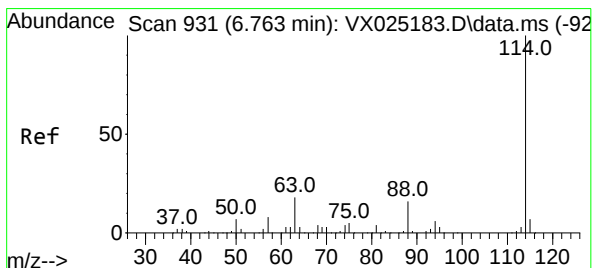
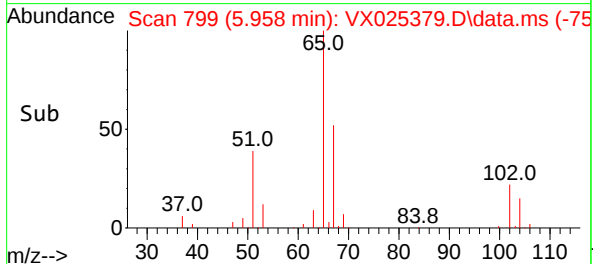
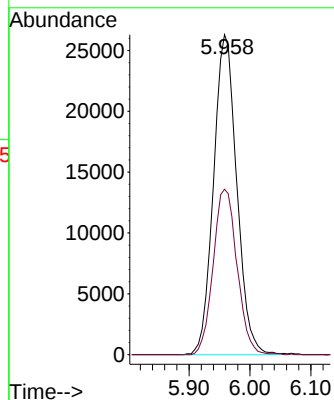
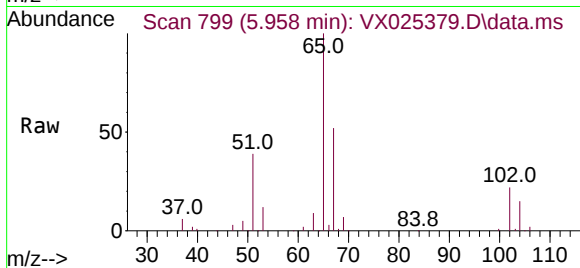
20929

Tgt Ion: 65 Resp: 69559

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: VX025379.D

Acq: 29 Nov 2021 18:55

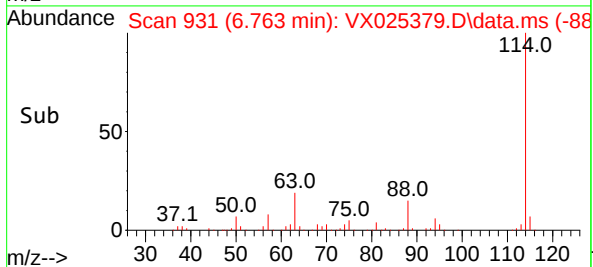
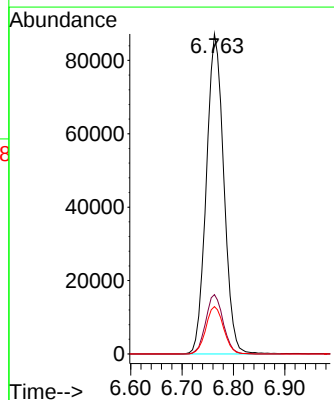
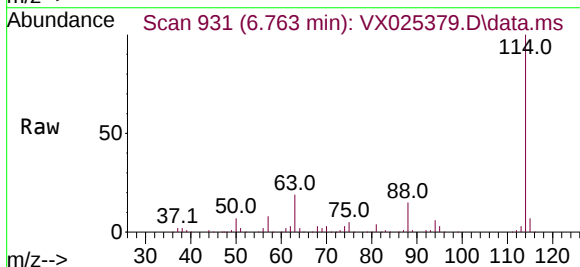
Tgt Ion: 114 Resp: 205652

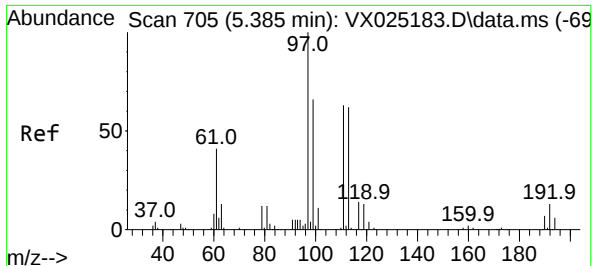
Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.0

88 14.8 0.0 34.8





#35

Dibromofluoromethane

Concen: 49.079 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX025379.D

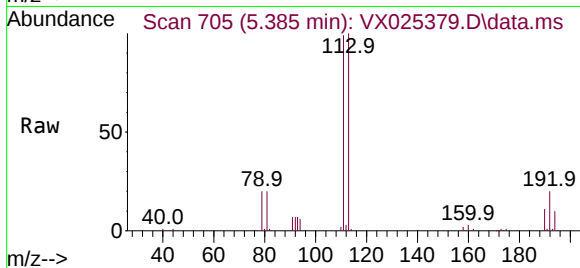
Acq: 29 Nov 2021 18:55

Instrument :

MSVOA_X

ClientSampleId :

20929



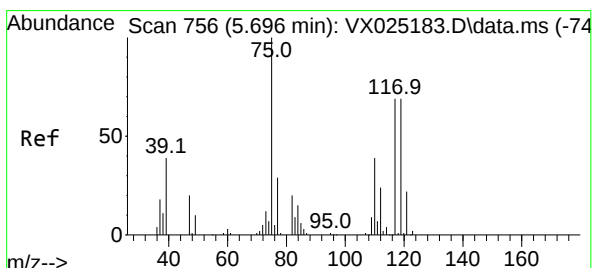
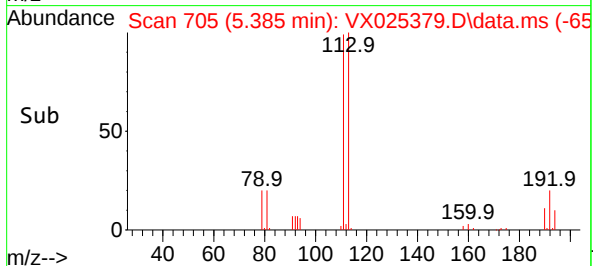
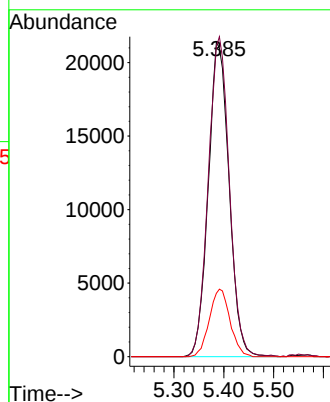
Tgt Ion:113 Resp: 61929

Ion Ratio Lower Upper

113 100

111 103.0 82.1 123.1

192 21.3 15.6 23.4



#36

1,1-Dichloropropene

Concen: 4.611 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

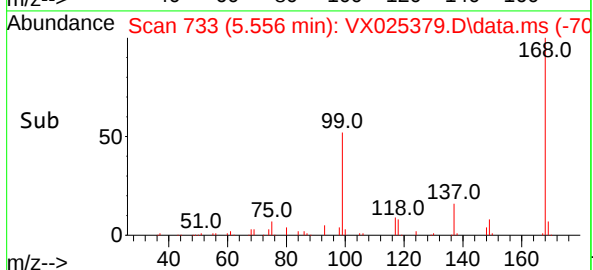
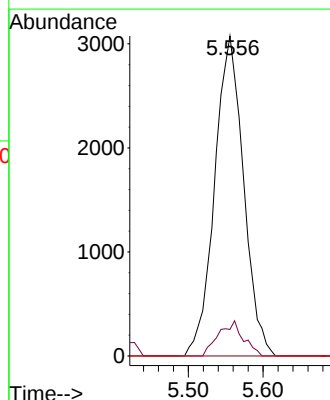
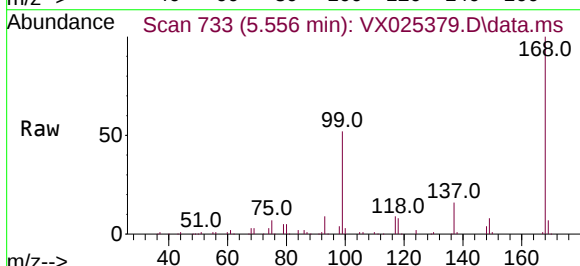
Tgt Ion: 75 Resp: 8273

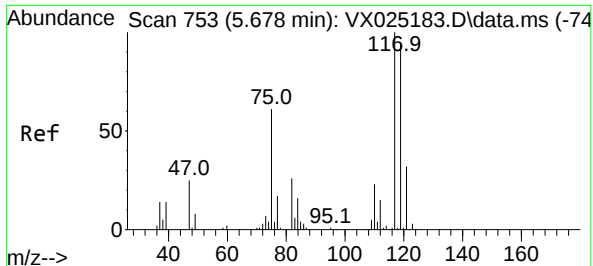
Ion Ratio Lower Upper

75 100

110 9.4 18.1 54.3#

77 0.0 24.4 36.6#

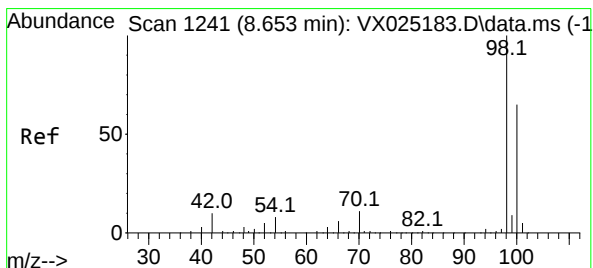
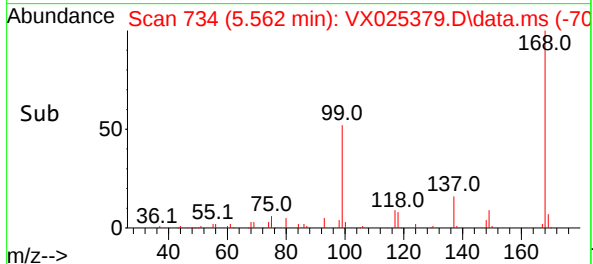
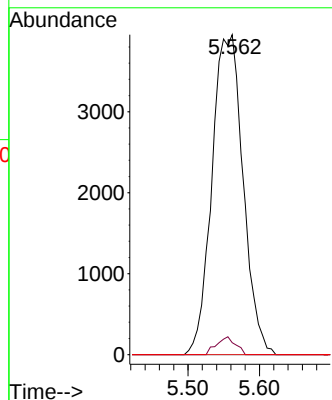
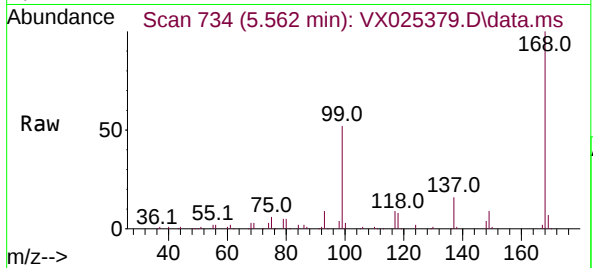




#38
Carbon Tetrachloride
Concen: 6.040 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.116 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

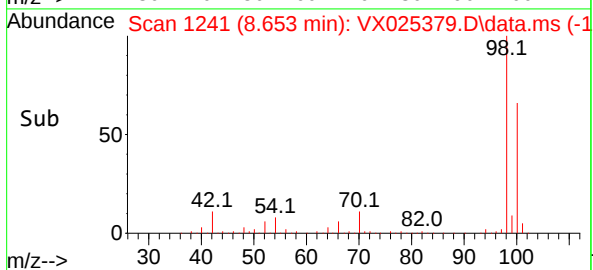
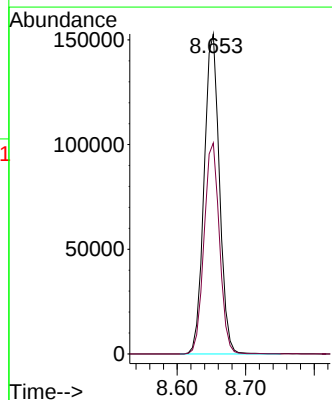
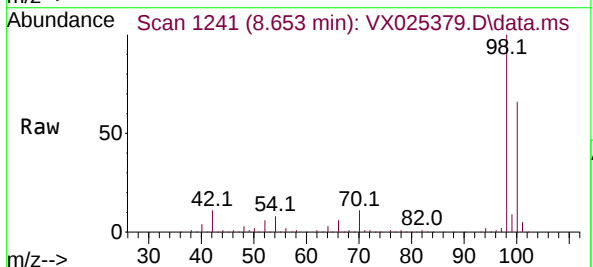
Instrument :
MSVOA_X
ClientSampleId :
20929

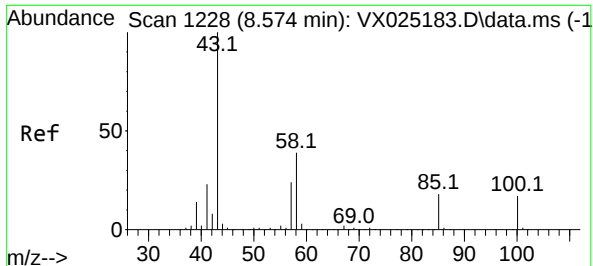
Tgt Ion:117 Resp: 11937
Ion Ratio Lower Upper
117 100
119 3.7 75.6 113.4#
121 0.0 23.7 35.5#



#50
Toluene-d8
Concen: 50.125 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 98 Resp: 237805
Ion Ratio Lower Upper
98 100
100 66.4 51.4 77.0





#51

4-Methyl-2-Pentanone

Concen: 0.208 ug/l

RT: 8.580 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

Instrument :

MSVOA_X

ClientSampleId :

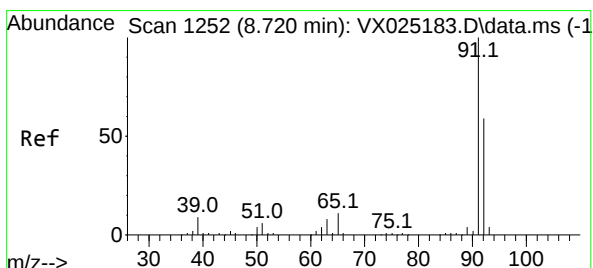
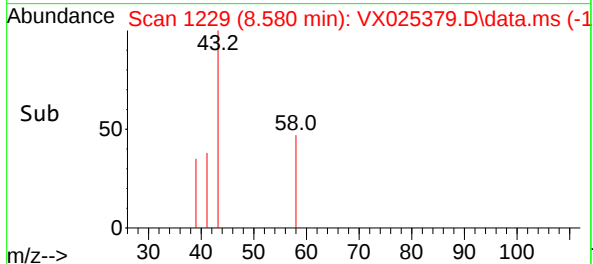
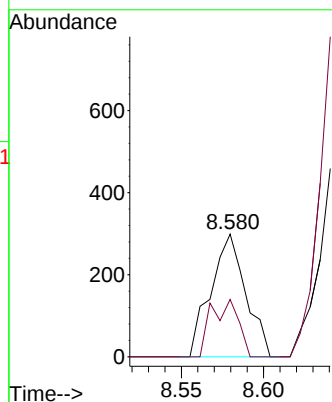
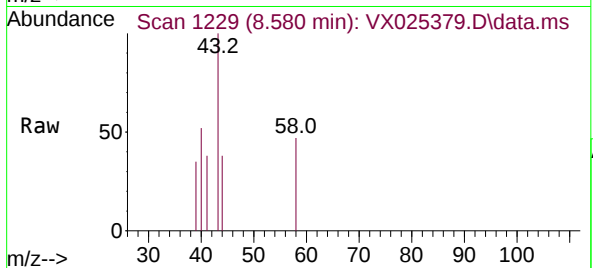
20929

Tgt Ion: 43 Resp: 444

Ion Ratio Lower Upper

43 100

58 36.3 30.9 46.3



#52

Toluene

Concen: 16.145 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX025379.D

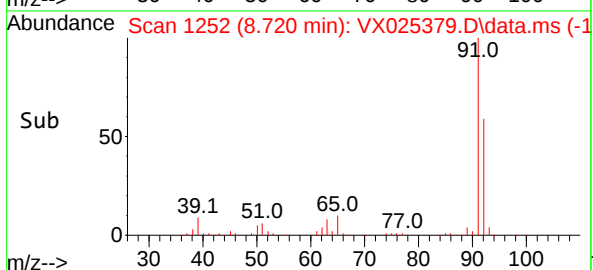
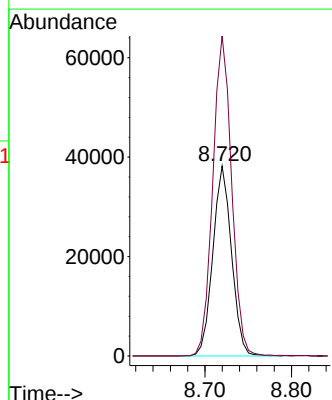
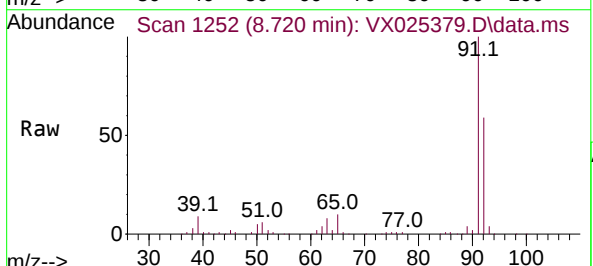
Acq: 29 Nov 2021 18:55

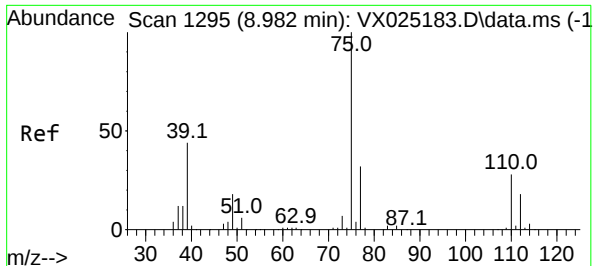
Tgt Ion: 92 Resp: 57290

Ion Ratio Lower Upper

92 100

91 170.1 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 0.272 ug/l

RT: 8.720 min Scan# 11

Delta R.T. -0.262 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

Instrument :

MSVOA_X

ClientSampleId :

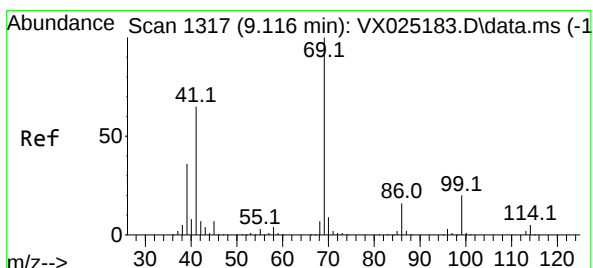
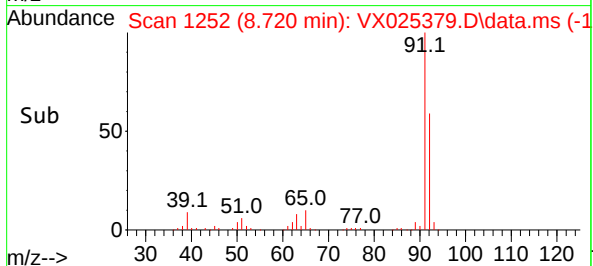
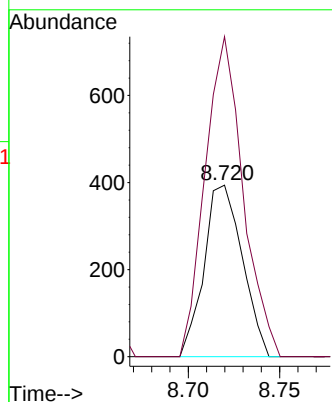
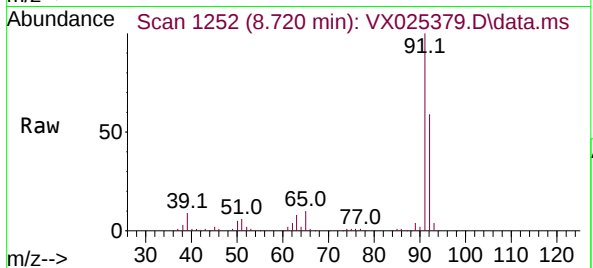
20929

Tgt Ion: 75 Resp: 575

Ion Ratio Lower Upper

75 100

77 186.5 25.6 38.4#



#56

Ethyl methacrylate

Concen: 0.471 ug/l

RT: 9.232 min Scan# 1336

Delta R.T. 0.116 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

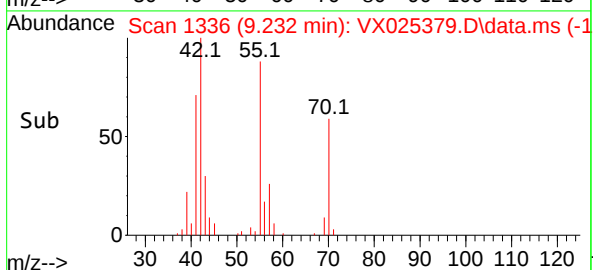
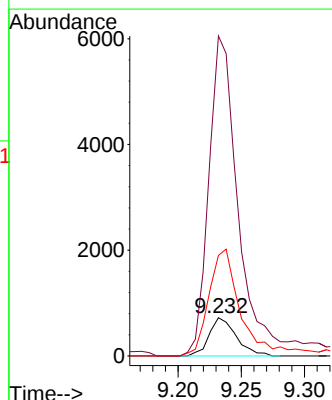
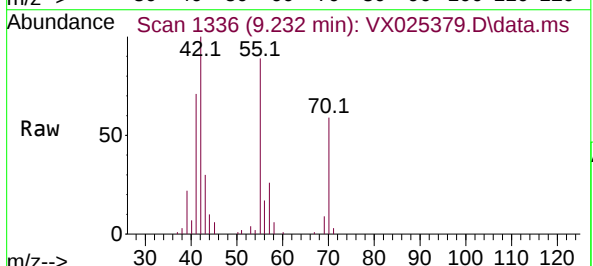
Tgt Ion: 69 Resp: 1079

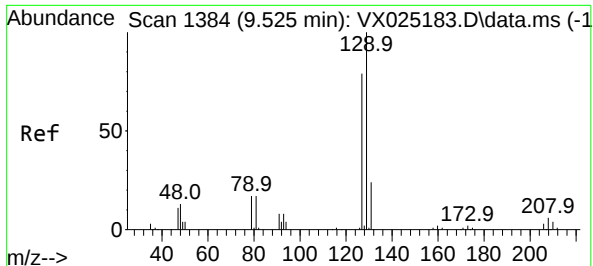
Ion Ratio Lower Upper

69 100

41 954.1 55.3 82.9#

39 334.6 30.2 45.4#

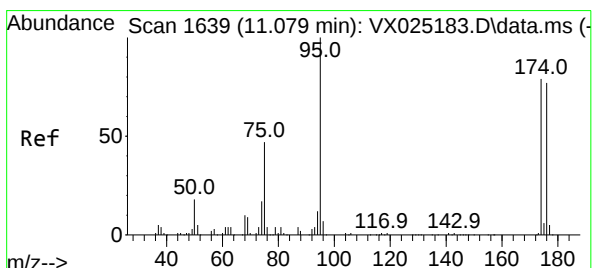
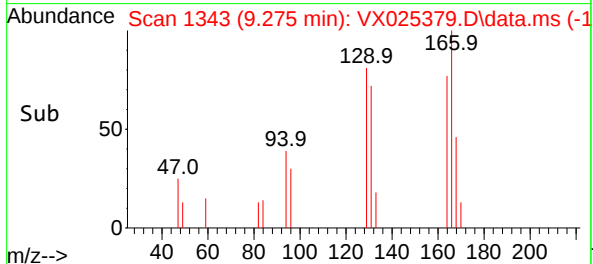
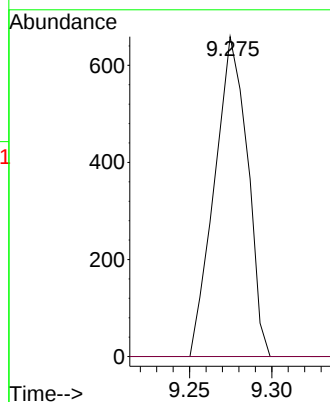
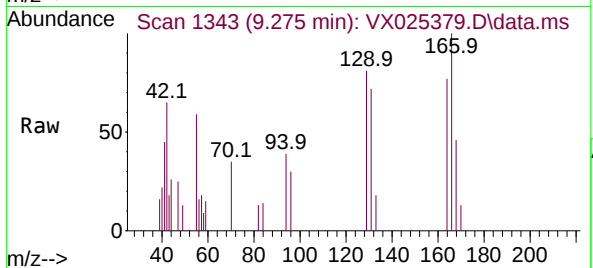




#60
Dibromochloromethane
Concen: 0.565 ug/l
RT: 9.275 min Scan# 11
Delta R.T. -0.250 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

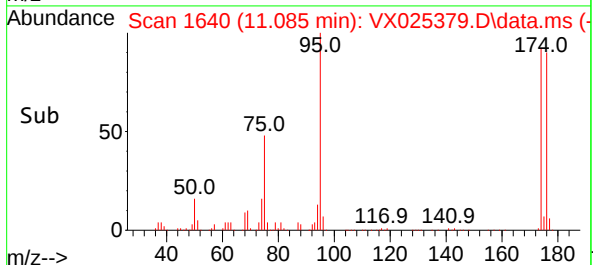
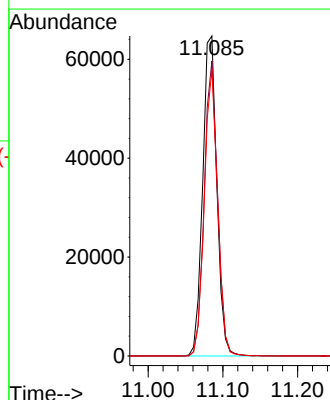
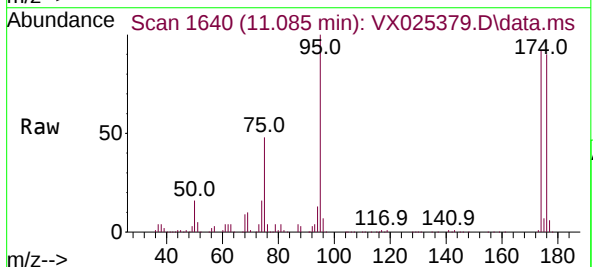
Instrument :
MSVOA_X
ClientSampleId :
20929

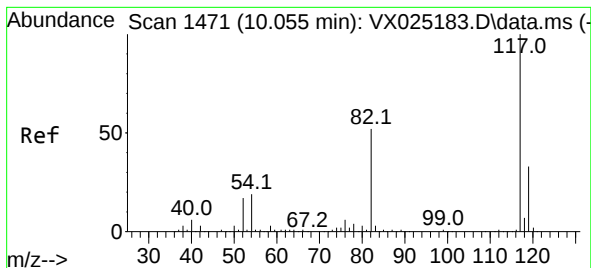
Tgt Ion:129 Resp: 917
Ion Ratio Lower Upper
129 100
127 0.0 38.5 115.5#



#62
4-Bromofluorobenzene
Concen: 47.374 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.006 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 95 Resp: 85026
Ion Ratio Lower Upper
95 100
174 87.0 0.0 158.0
176 84.2 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: VX025379.D

Acq: 29 Nov 2021 18:55

Instrument :

MSVOA_X

ClientSampleId :

20929

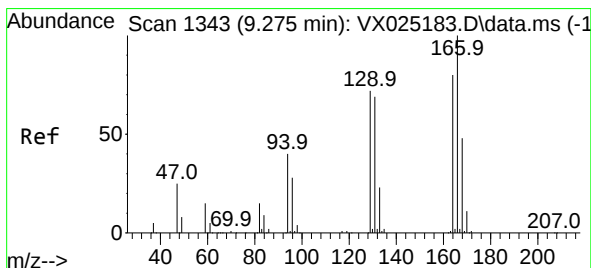
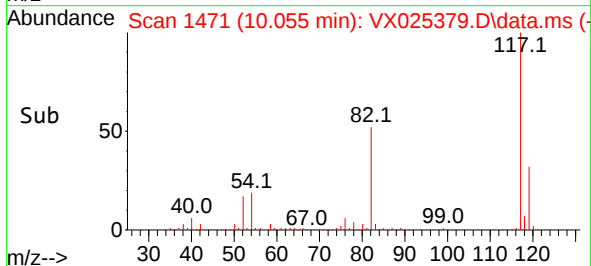
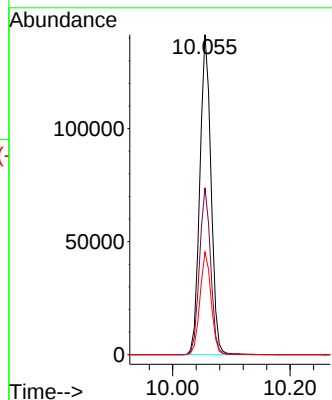
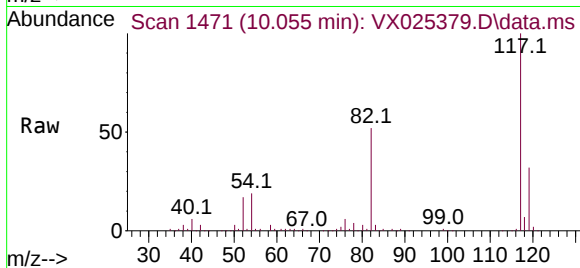
Tgt Ion:117 Resp: 186966

Ion Ratio Lower Upper

117 100

82 52.1 44.6 67.0

119 32.1 24.8 37.2



#64

Tetrachloroethene

Concen: 0.673 ug/l

RT: 9.268 min Scan# 1342

Delta R.T. -0.007 min

Lab File: VX025379.D

Acq: 29 Nov 2021 18:55

Tgt Ion:164 Resp: 1037

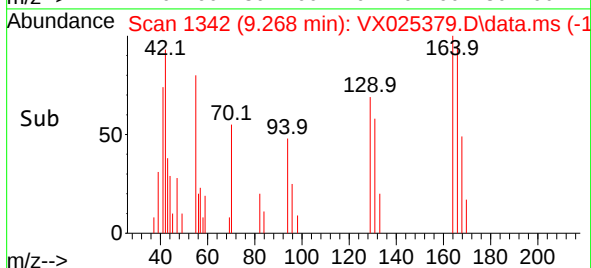
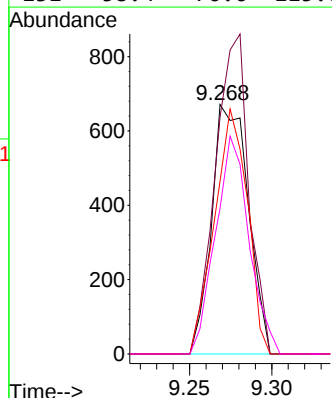
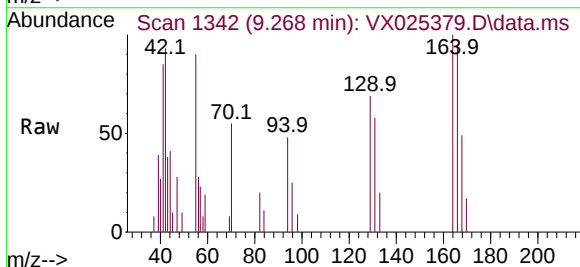
Ion Ratio Lower Upper

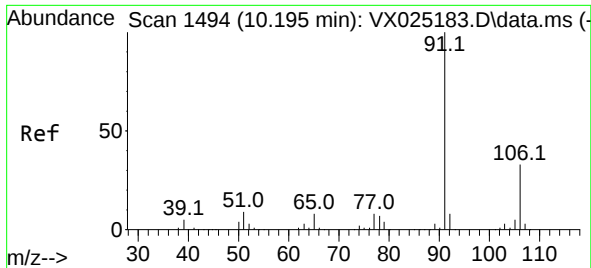
164 100

166 94.9 103.2 154.8#

129 69.3 81.0 121.4#

131 58.4 76.6 115.0#

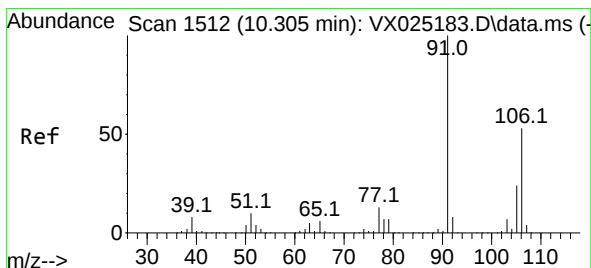
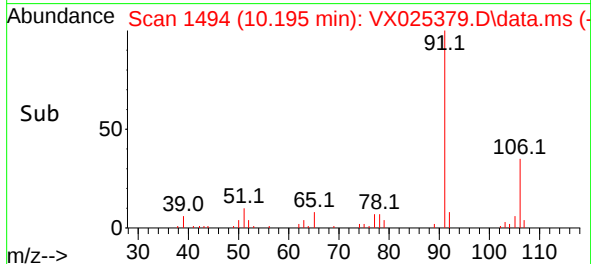
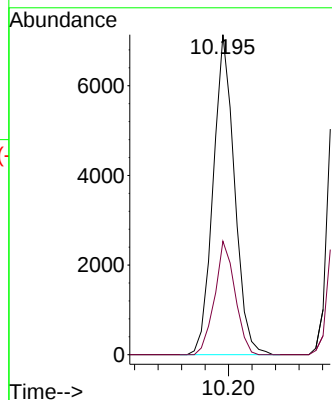
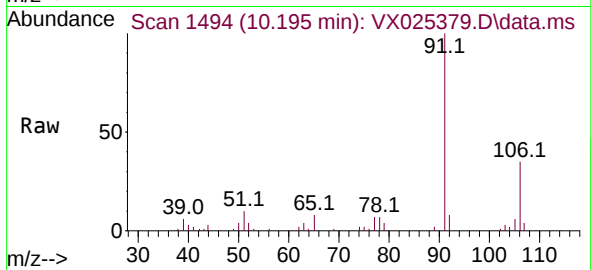




#67
Ethyl Benzene
Concen: 1.363 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

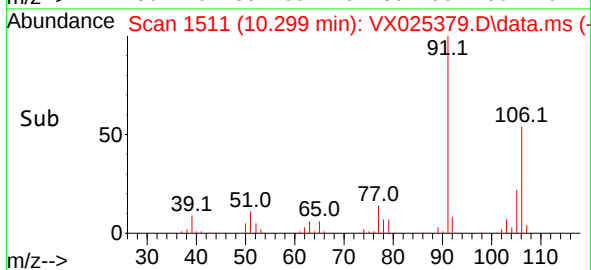
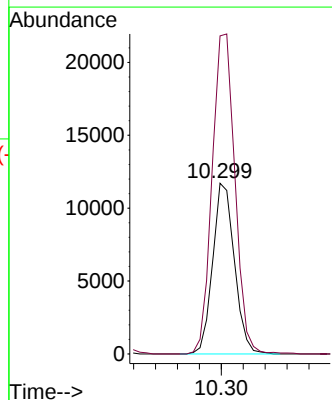
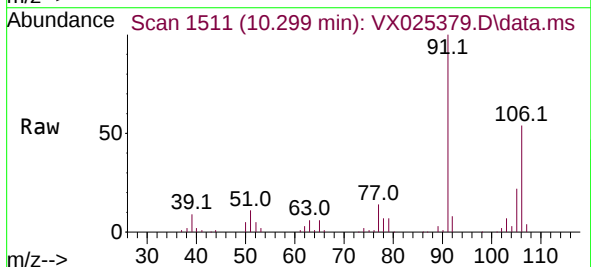
Instrument :
MSVOA_X
ClientSampleId :
20929

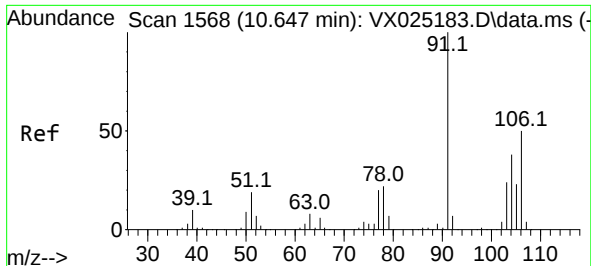
Tgt Ion: 91 Resp: 8972
Ion Ratio Lower Upper
91 100
106 35.4 24.7 37.1



#68
m/p-Xylenes
Concen: 5.995 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 106 Resp: 16123
Ion Ratio Lower Upper
106 100
91 197.2 163.4 245.0

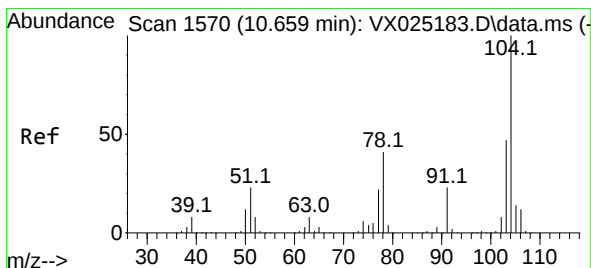
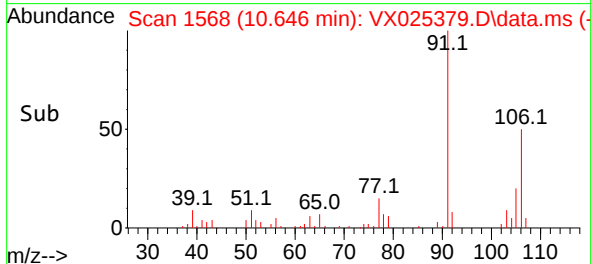
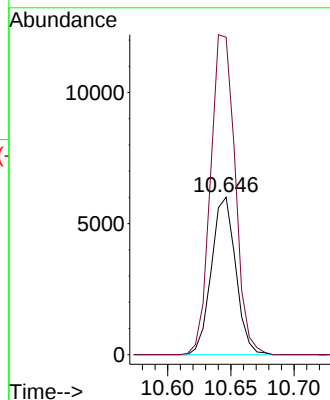
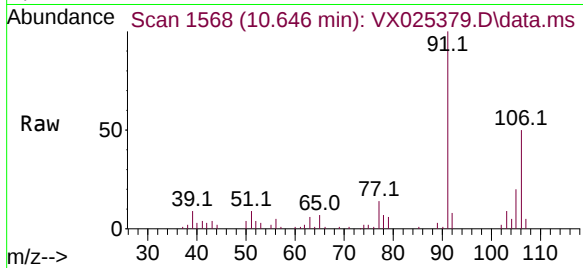




#69
o-Xylene
Concen: 3.049 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.001 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

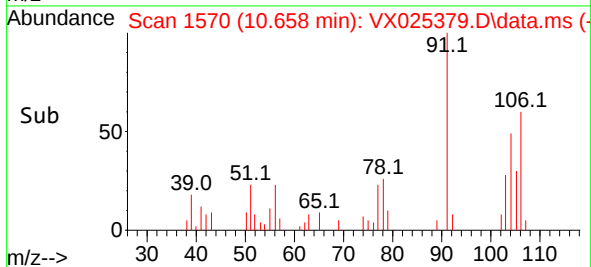
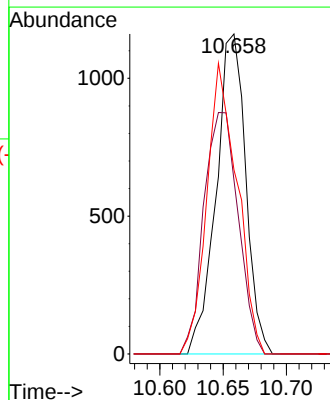
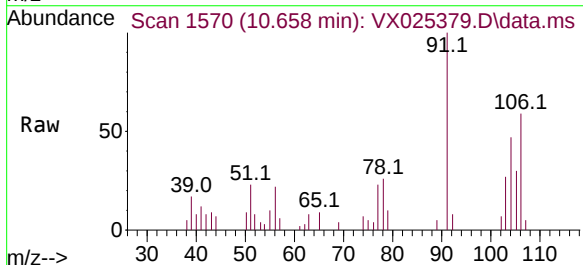
Instrument :
MSVOA_X
ClientSampleId :
20929

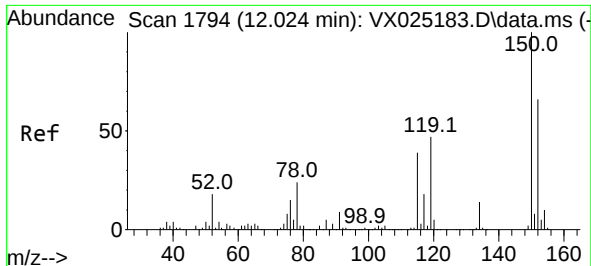
Tgt Ion:106 Resp: 8025
Ion Ratio Lower Upper
106 100
91 205.8 109.5 328.4



#70
Styrene
Concen: 0.433 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. -0.001 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion:104 Resp: 1884
Ion Ratio Lower Upper
104 100
78 87.6 41.3 61.9#
103 93.3 43.5 65.3#

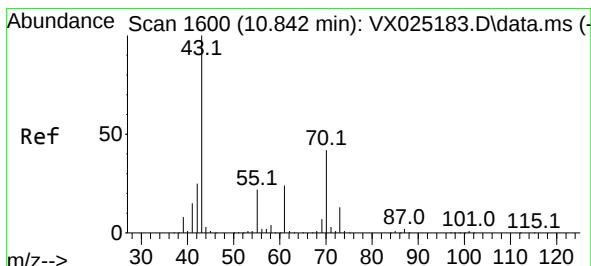
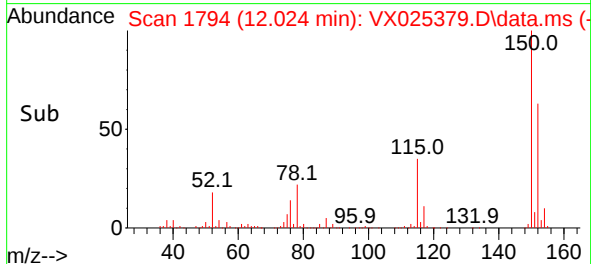
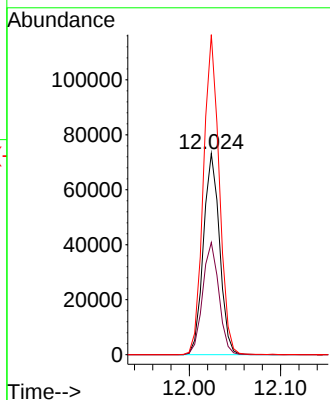
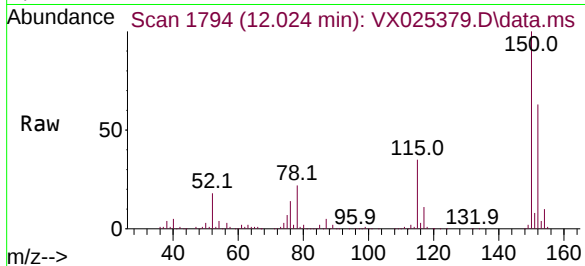




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

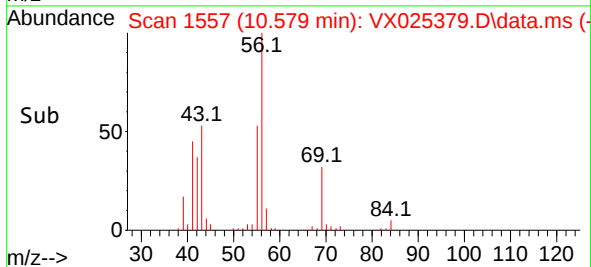
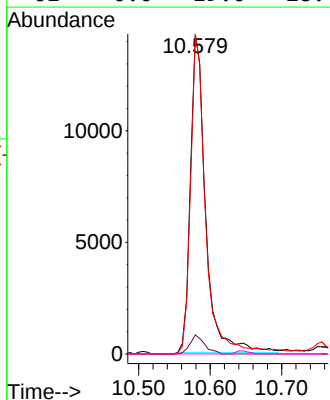
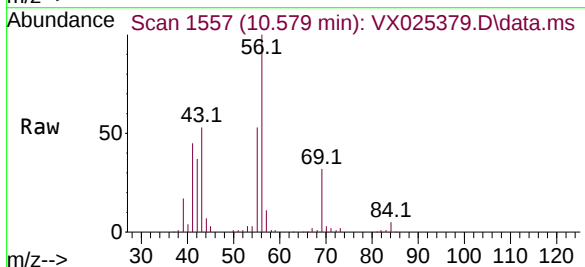
Instrument :
MSVOA_X
ClientSampleId :
20929

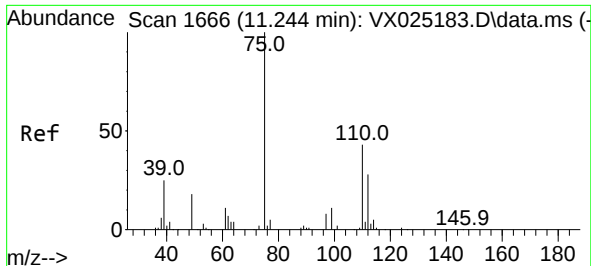
Tgt Ion:152 Resp: 89848
Ion Ratio Lower Upper
152 100
115 55.9 43.3 129.8
150 155.8 0.0 351.2



#74
N-ethyl acetate
Concen: 7.557 ug/l
RT: 10.579 min Scan# 1557
Delta R.T. -0.263 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 43 Resp: 20930
Ion Ratio Lower Upper
43 100
70 5.8 33.7 50.5#
55 97.4 19.7 29.5#
61 0.0 19.0 28.4#

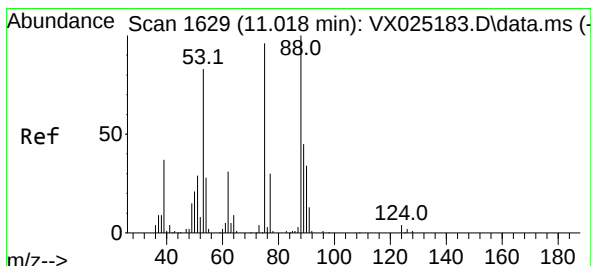
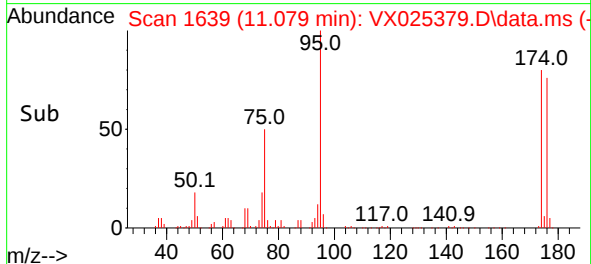
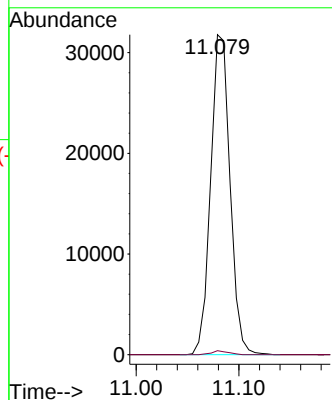
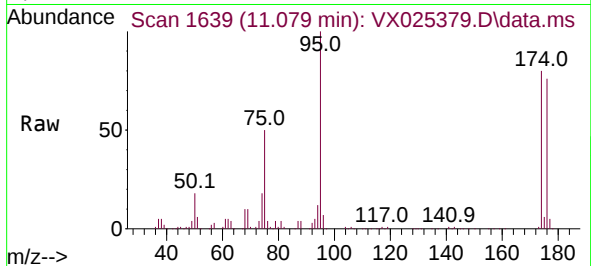




#76
1,2,3-Trichloropropane
Concen: 22.590 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

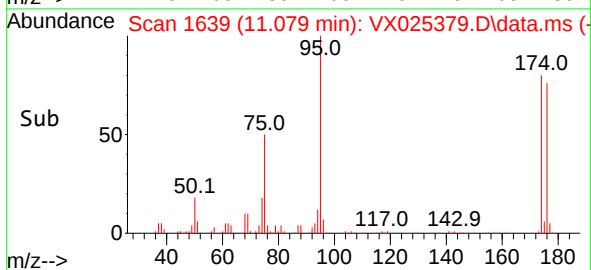
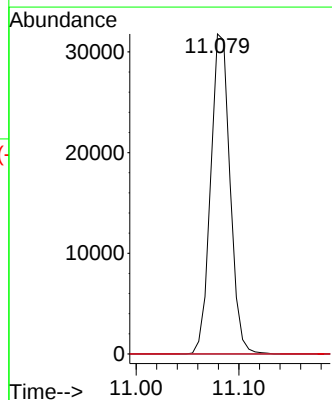
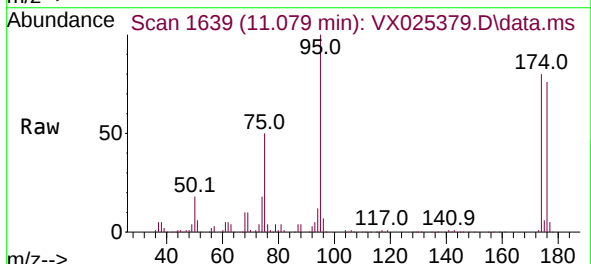
Instrument :
MSVOA_X
ClientSampleId :
20929

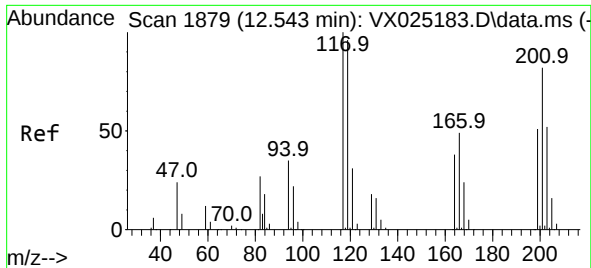
Tgt Ion: 75 Resp: 41563
Ion Ratio Lower Upper
75 100
77 1.0 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 56.908 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Tgt Ion: 75 Resp: 41563
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#





#90
Hexachloroethane
Concen: 0.223 ug/l
RT: 12.414 min Scan# 11
Delta R.T. -0.129 min
Lab File: VX025379.D
Acq: 29 Nov 2021 18:55

Instrument :
MSVOA_X
ClientSampleId :
20929

Tgt Ion:117 Resp: 235
Ion Ratio Lower Upper
117 100
201 0.0 38.9 116.6#

