

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX091421\
 Data File : VX024239.D
 Acq On : 15 Sep 2021 04:28
 Operator : JC/MD
 Sample : M3724-13 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 33129

Quant Time: Sep 15 07:32:47 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X091421W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 14 12:18:04 2021
 Response via : Initial Calibration

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

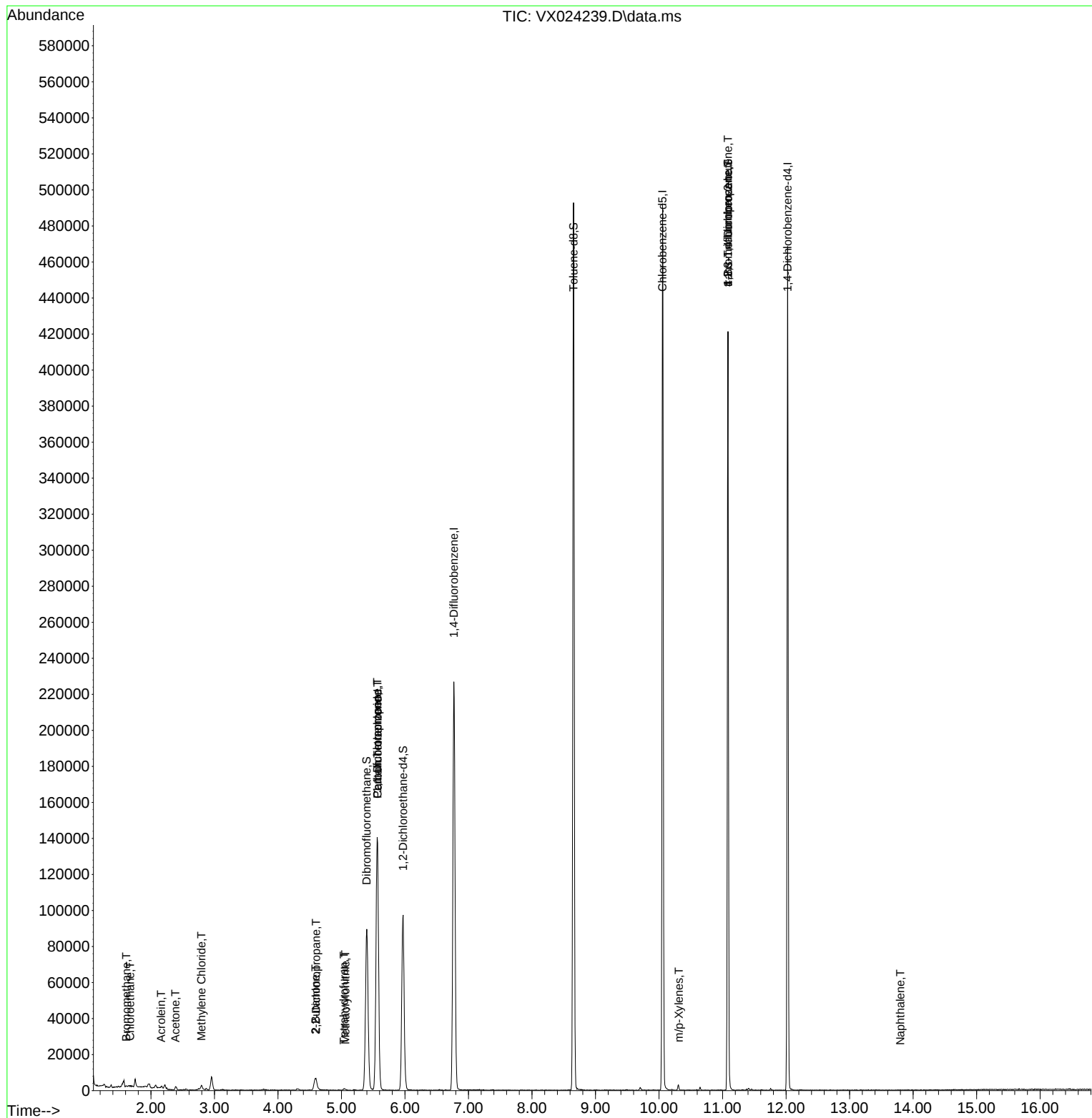
Internal Standards						
1) Pentafluorobenzene	5.568	168	130529	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	226577	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	218340	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	92269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	98766	53.063	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.120%			
35) Dibromofluoromethane	5.397	113	75539	49.712	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.420%			
50) Toluene-d8	8.653	98	278300	50.275	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.540%			
62) 4-Bromofluorobenzene	11.085	95	102977	47.802	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.600%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	377	0.486	ug/l #	47
6) Chloroethane	1.672	64	173	2.158	ug/l #	43
11) Tert butyl alcohol	2.953	59	4191	Below Cal	#	73
13) Acrolein	2.160	56	47	0.383	ug/l #	1
16) Acetone	2.386	43	1990	2.507	ug/l	97
20) Methylene Chloride	2.794	84	1113	0.730	ug/l	90
25) 2-Butanone	4.593	43	599	0.512	ug/l #	45
26) 2,2-Dichloropropane	4.599	77	514	0.233	ug/l #	52
29) Tetrahydrofuran	5.038	42	391	0.534	ug/l #	31
36) 1,1-Dichloropropene	5.562	75	10475	5.028	ug/l #	50
38) Carbon Tetrachloride	5.568	117	13926	5.939	ug/l #	18
41) Methacrylonitrile	5.062	41	355	0.274	ug/l #	23
68) m/p-Xylenes	10.311	106	750	0.249	ug/l	100
76) 1,2,3-Trichloropropane	11.085	75	55052	25.948	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	55052	76.313	ug/l #	12
95) Naphthalene	13.798	128	23	1.290	ug/l #	69

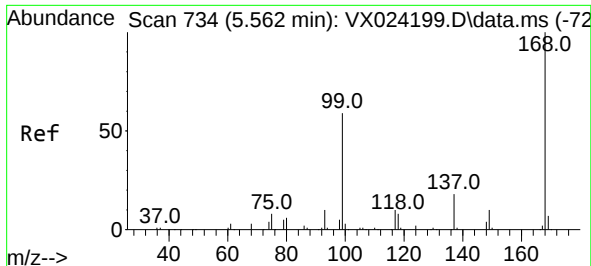
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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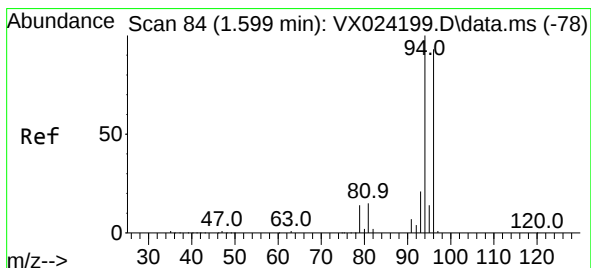
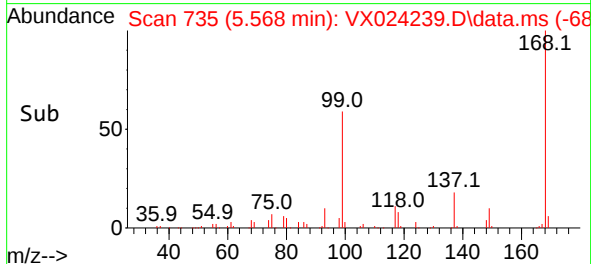
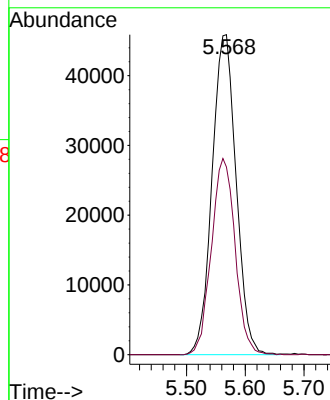
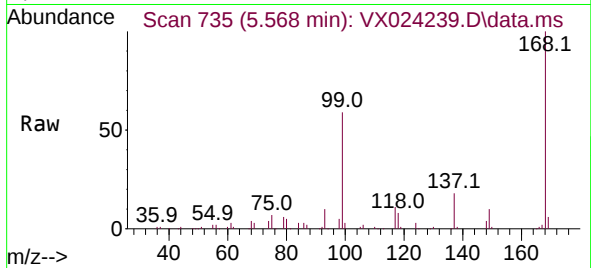




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 735
Delta R.T. 0.006 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

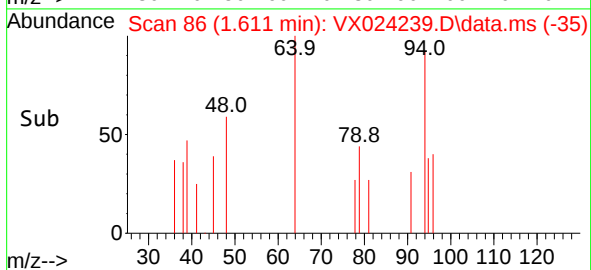
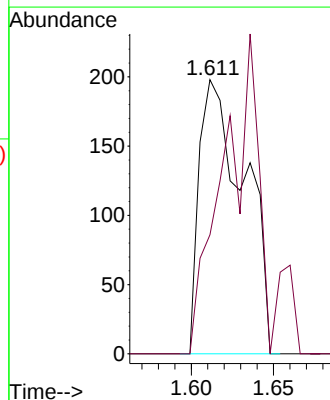
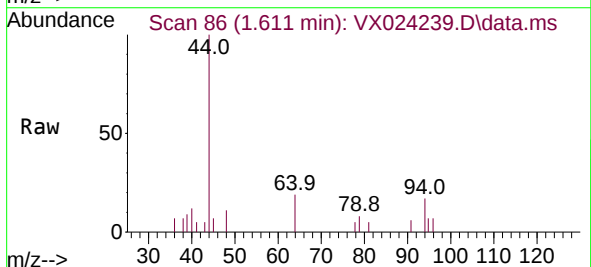
Instrument :
MSVOA_X
ClientSampled :
33129

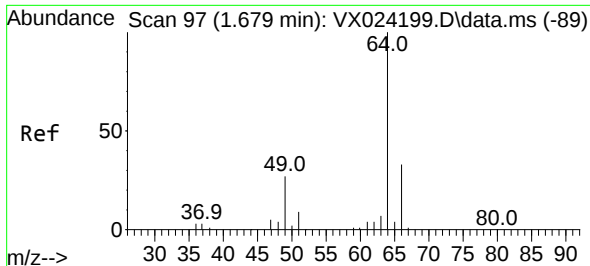
Tgt Ion:168 Resp: 130529
Ion Ratio Lower Upper
168 100
99 58.7 45.8 68.6



#5
Bromomethane
Concen: 0.486 ug/l
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion: 94 Resp: 377
Ion Ratio Lower Upper
94 100
96 43.4 76.4 114.6#

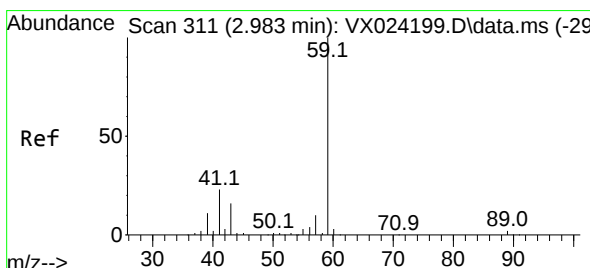
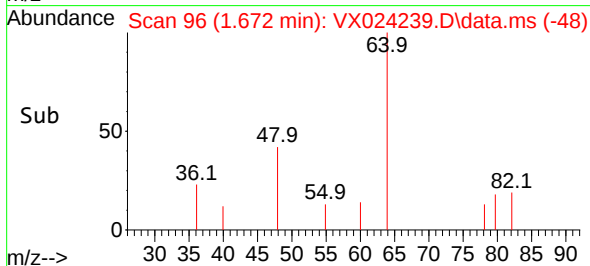
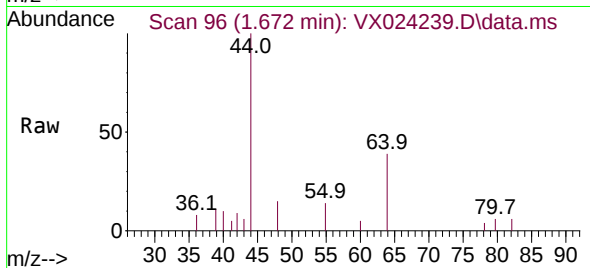




#6
Chloroethane
Concen: 2.158 ug/l
RT: 1.672 min Scan# 96
Delta R.T. -0.007 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

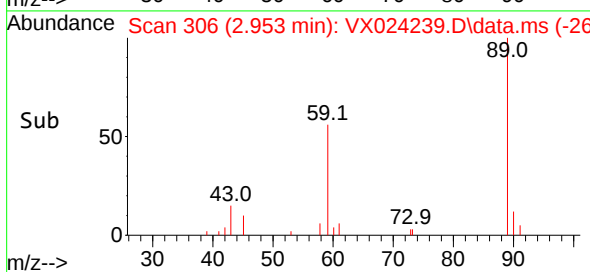
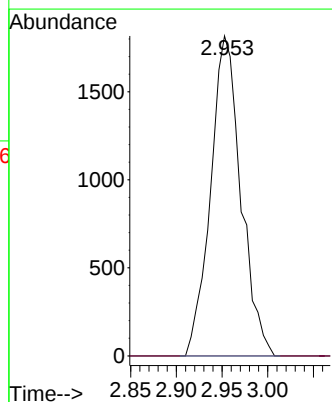
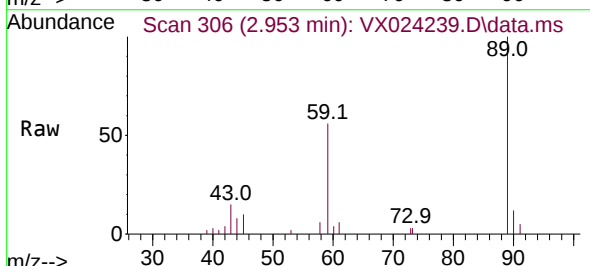
Instrument :
MSVOA_X
ClientSampled :
33129

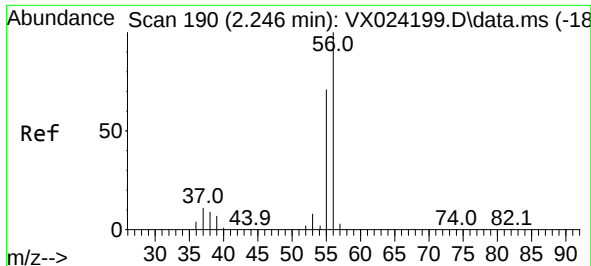
Tgt Ion: 64 Resp: 173
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.953 min Scan# 306
Delta R.T. -0.030 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion: 59 Resp: 4191
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

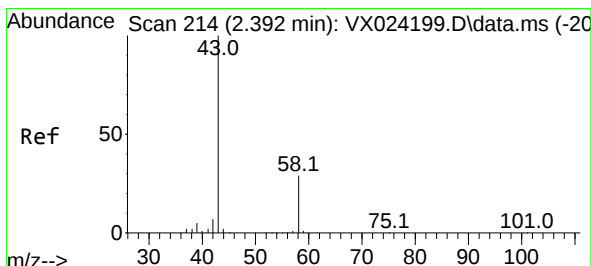
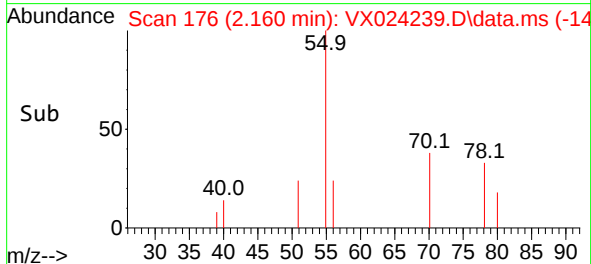
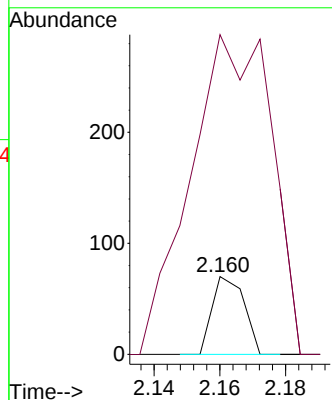
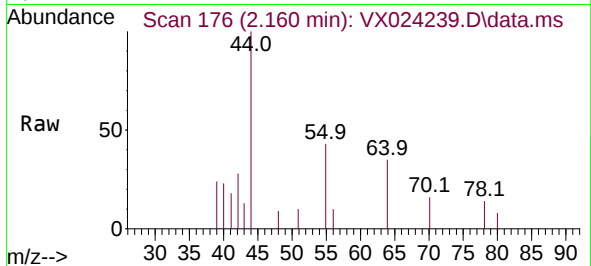




#13
Acrolein
Concen: 0.383 ug/l
RT: 2.160 min Scan# 176
Delta R.T. -0.086 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

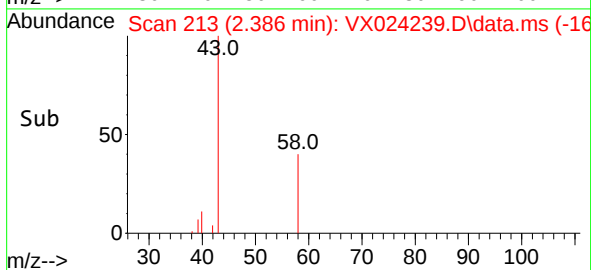
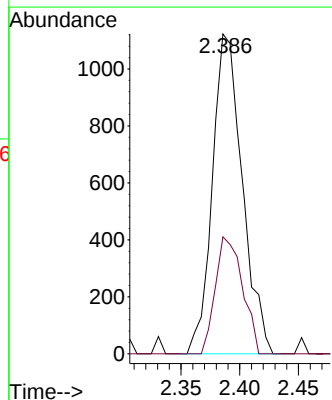
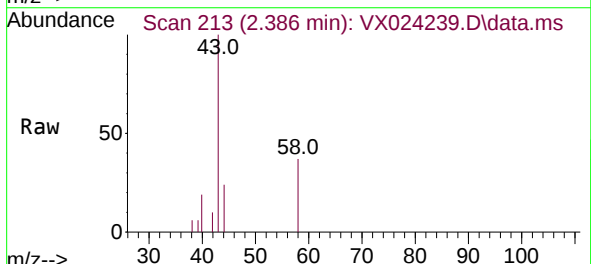
Instrument :
MSVOA_X
ClientSampleId :
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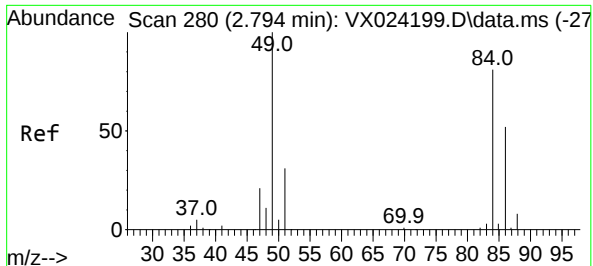
Tgt Ion: 56 Resp: 47
Ion Ratio Lower Upper
56 100
55 1055.3 56.4 84.6#



#16
Acetone
Concen: 2.507 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion: 43 Resp: 1990
Ion Ratio Lower Upper
43 100
58 36.6 27.8 41.8





#20

Methylene Chloride

Concen: 0.730 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.000 min

Lab File: VX024239.D

Acq: 15 Sep 2021 04:28

Instrument :
MSVOA_X
ClientSampled :
33129

Tgt Ion: 84 Resp: 1113

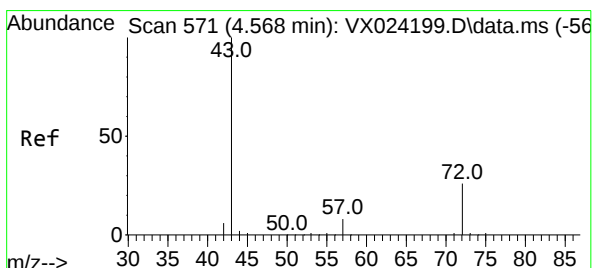
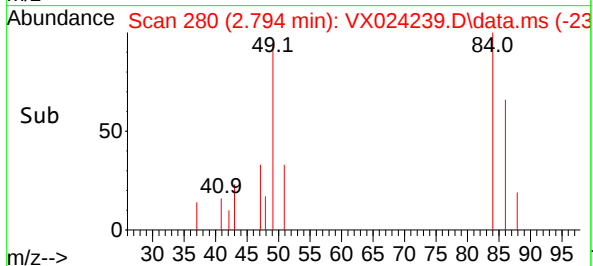
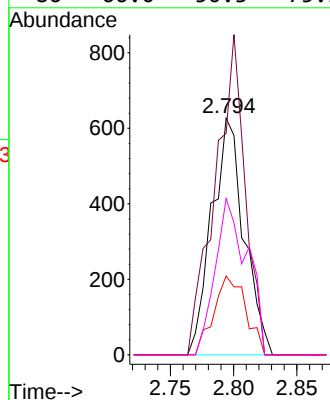
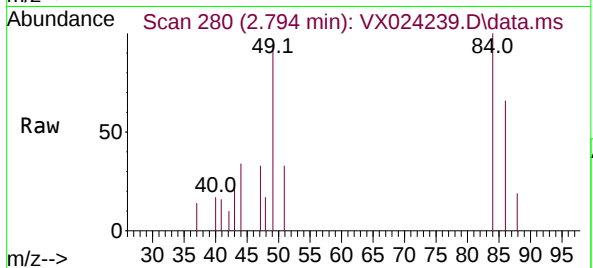
Ion Ratio Lower Upper

84 100

49 93.6 88.6 132.8

51 33.3 27.0 40.6

86 66.0 50.3 75.5



#25

2-Butanone

Concen: 0.512 ug/l

RT: 4.593 min Scan# 575

Delta R.T. 0.025 min

Lab File: VX024239.D

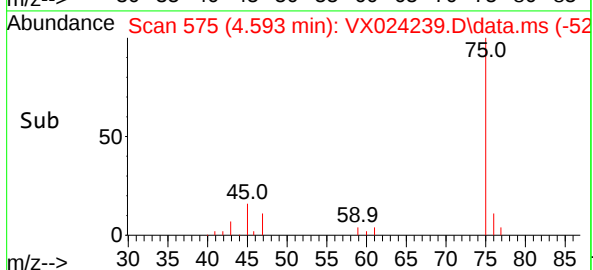
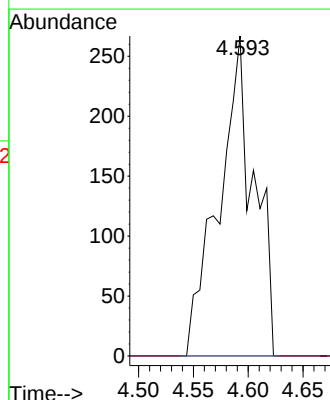
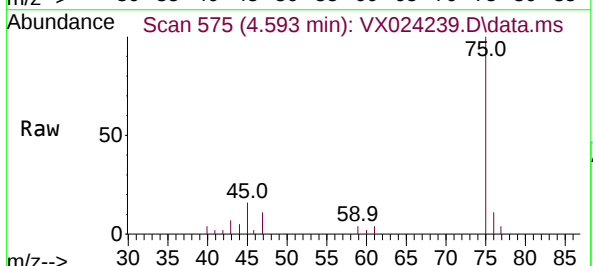
Acq: 15 Sep 2021 04:28

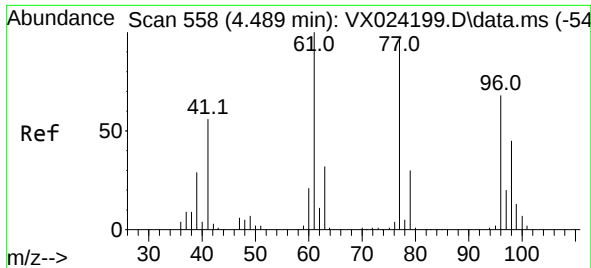
Tgt Ion: 43 Resp: 599

Ion Ratio Lower Upper

43 100

72 0.0 23.7 35.5#





#26

2,2-Dichloropropane

Concen: 0.233 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.110 min

Lab File: VX024239.D

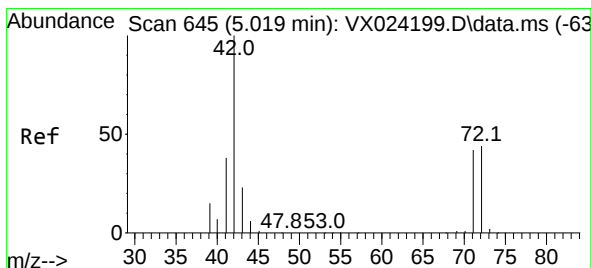
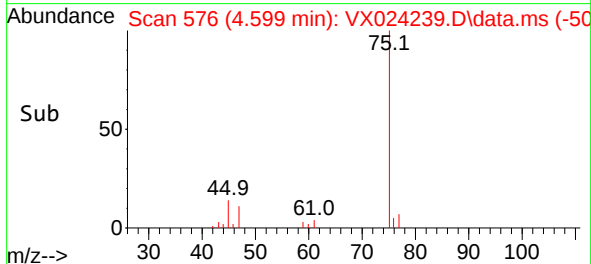
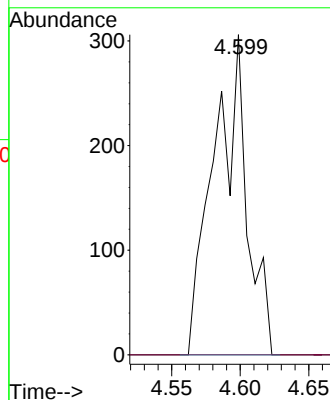
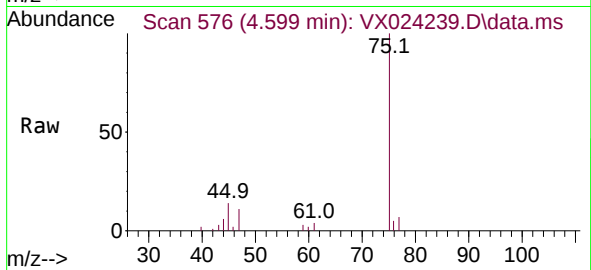
Acq: 15 Sep 2021 04:28

Tgt Ion: 77 Resp: 514

Ion Ratio Lower Upper

77 100

97 0.0 11.7 35.1#



#29

Tetrahydrofuran

Concen: 0.534 ug/l

RT: 5.038 min Scan# 648

Delta R.T. 0.019 min

Lab File: VX024239.D

Acq: 15 Sep 2021 04:28

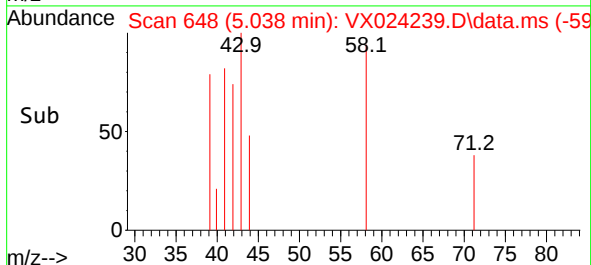
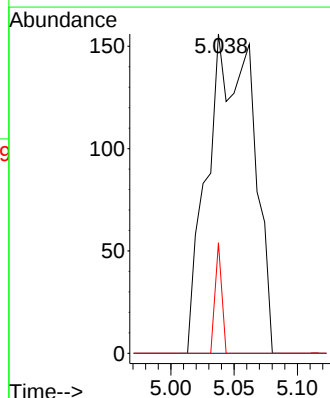
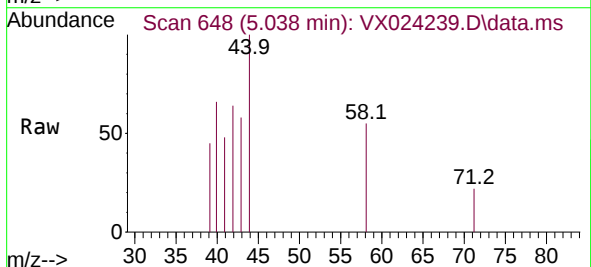
Tgt Ion: 42 Resp: 391

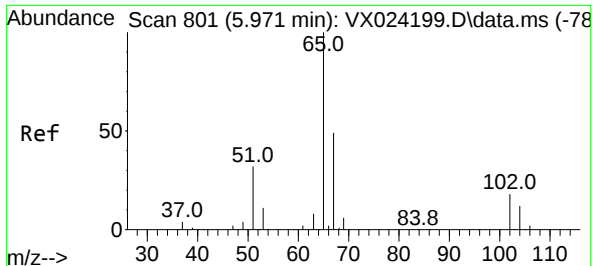
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 5.1 38.4 57.6#



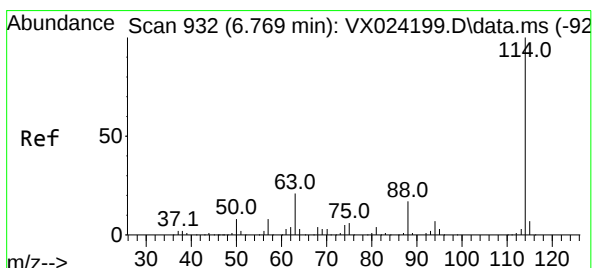
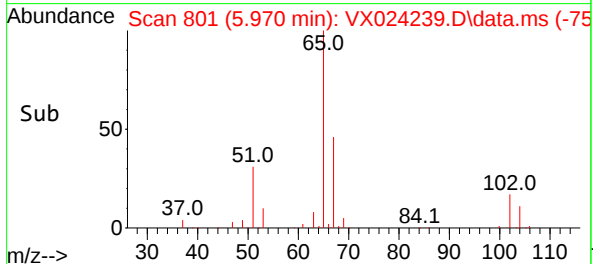
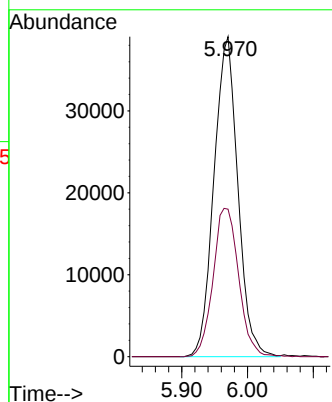
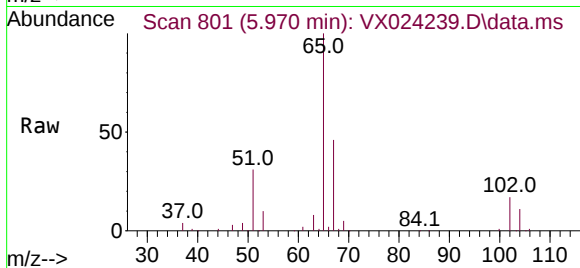


#33

1,2-Dichloroethane-d4
Concen: 53.063 ug/l
RT: 5.970 min Scan# 801
Delta R.T. -0.001 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Instrument :
MSVOA_X
ClientSampled :
33129

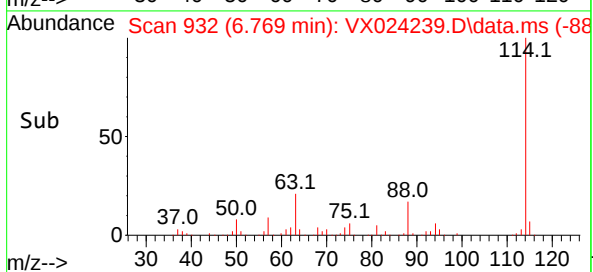
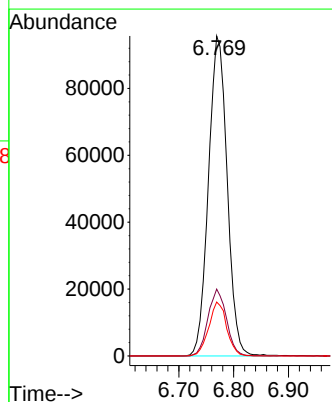
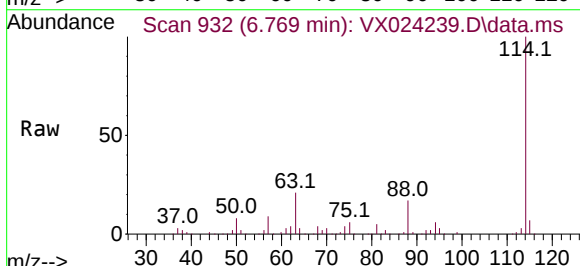
Tgt Ion: 65 Resp: 98766
Ion Ratio Lower Upper
65 100
67 49.7 0.0 105.4

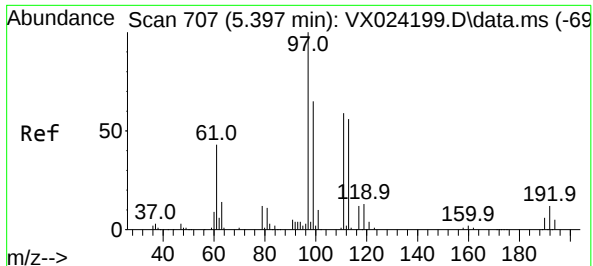


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion: 114 Resp: 226577
Ion Ratio Lower Upper
114 100
63 20.9 0.0 40.8
88 16.9 0.0 32.8

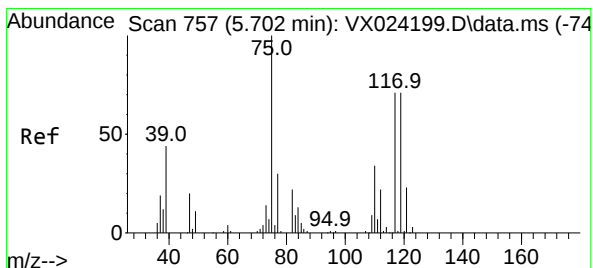
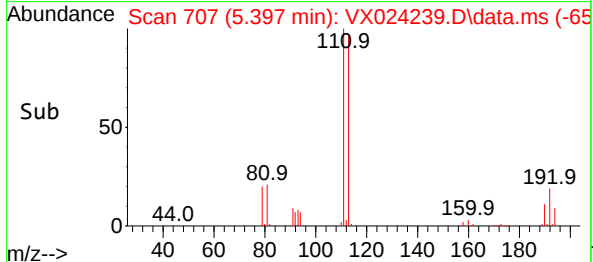
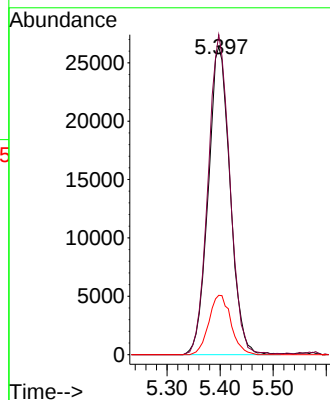
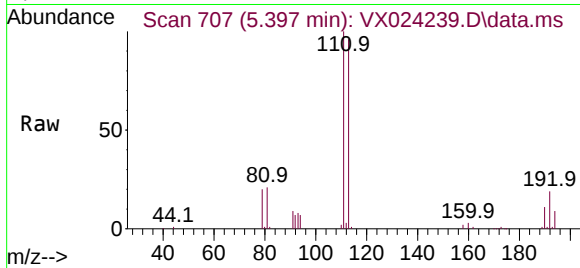




#35
Dibromofluoromethane
Concen: 49.712 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

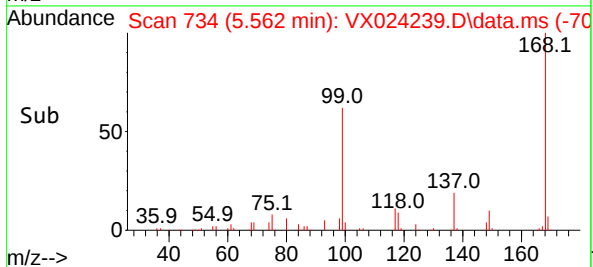
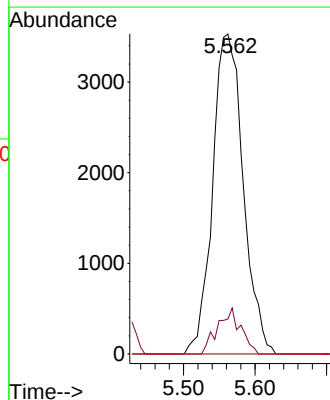
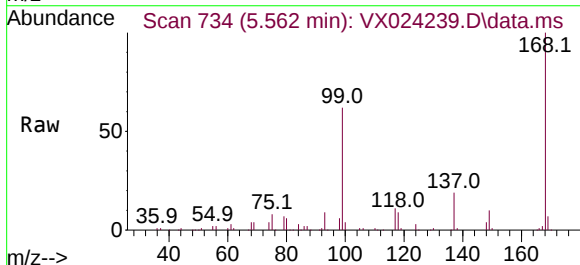
Instrument :
MSVOA_X
ClientSampleId :
33129

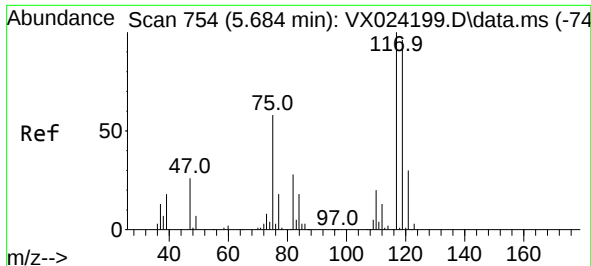
Tgt Ion:113 Resp: 75539
Ion Ratio Lower Upper
113 100
111 103.4 81.9 122.9
192 19.4 16.7 25.1



#36
1,1-Dichloropropene
Concen: 5.028 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.140 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

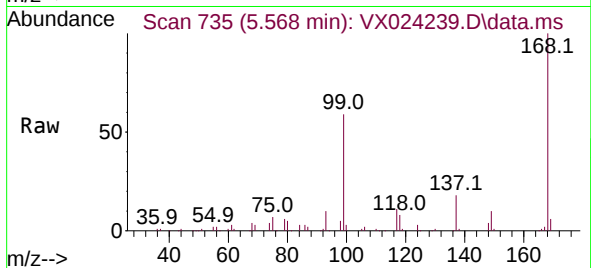
Tgt Ion: 75 Resp: 10475
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.4#
77 0.0 25.3 37.9#



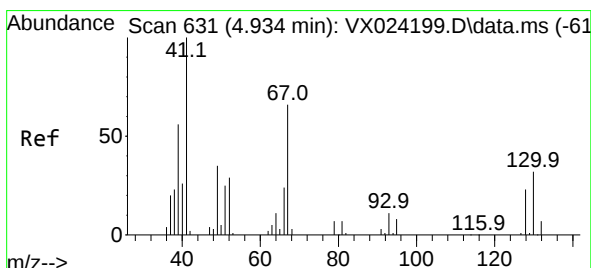
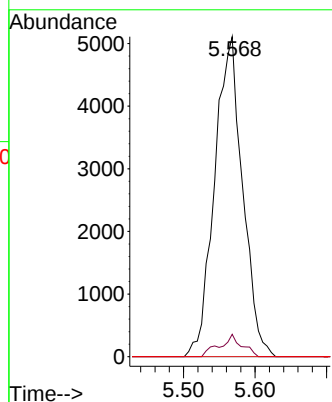
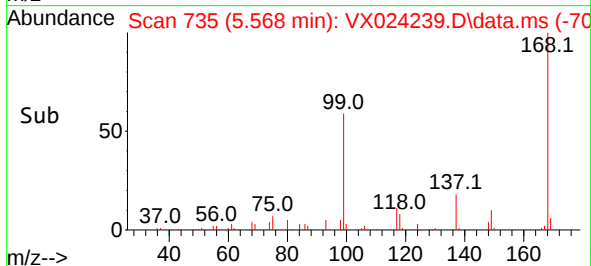


#38
Carbon Tetrachloride
Concen: 5.939 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.116 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

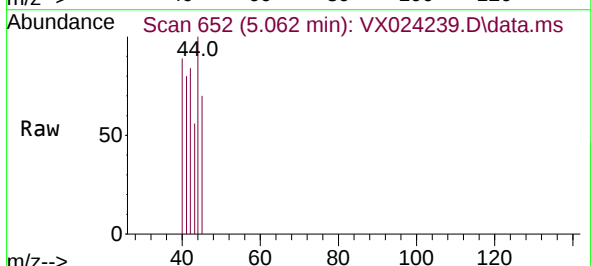
Instrument :
MSVOA_X
ClientSampled :
33129



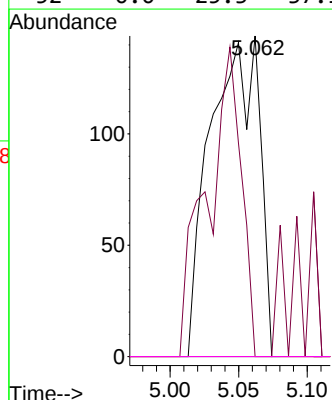
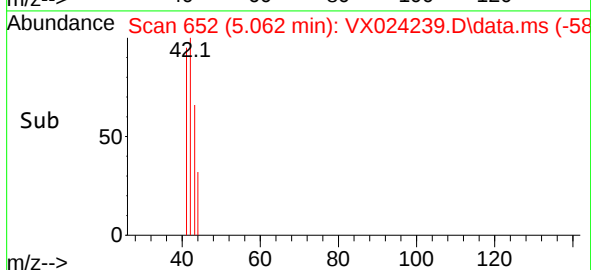
Tgt Ion:117 Resp: 13926
Ion Ratio Lower Upper
117 100
119 7.0 76.2 114.2#
121 0.0 24.8 37.2#

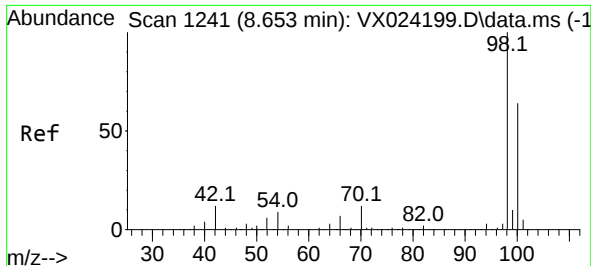


#41
Methacrylonitrile
Concen: 0.274 ug/l
RT: 5.062 min Scan# 652
Delta R.T. 0.128 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28



Tgt Ion: 41 Resp: 355
Ion Ratio Lower Upper
41 100
39 6.2 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#





#50

Toluene-d8

Concen: 50.275 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024239.D

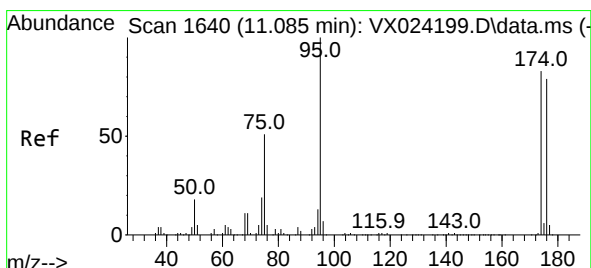
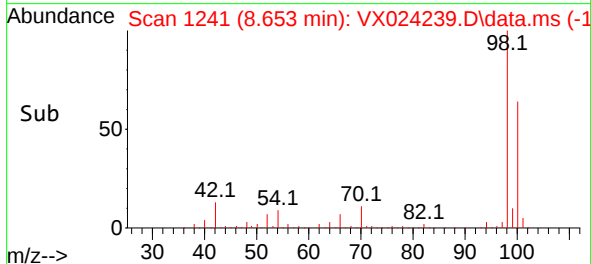
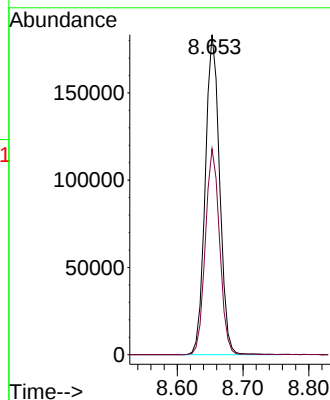
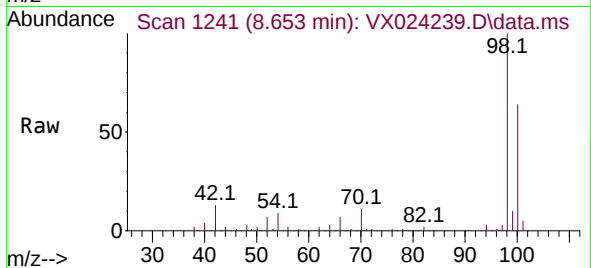
Acq: 15 Sep 2021 04:28

Tgt Ion: 98 Resp: 278300

Ion Ratio Lower Upper

98 100

100 64.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 47.802 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX024239.D

Acq: 15 Sep 2021 04:28

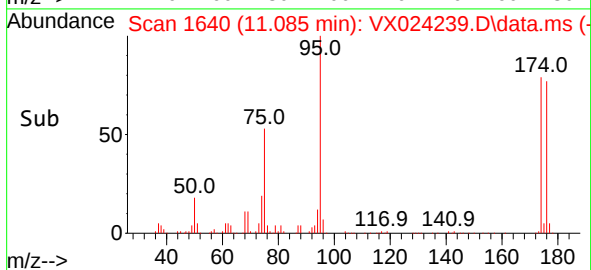
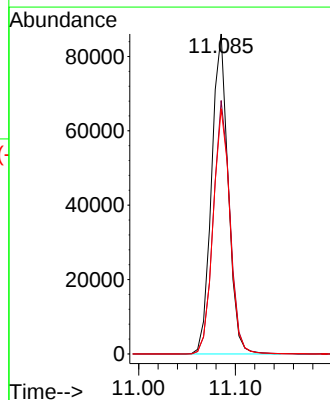
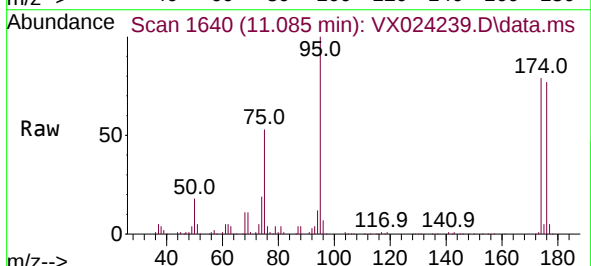
Tgt Ion: 95 Resp: 102977

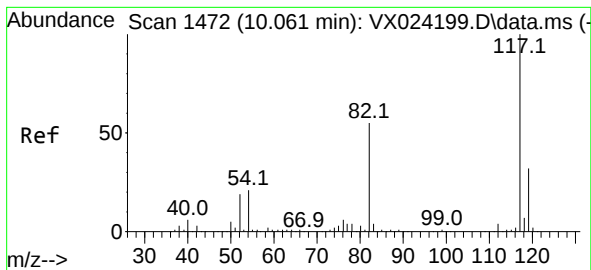
Ion Ratio Lower Upper

95 100

174 79.6 0.0 154.6

176 77.8 0.0 155.8

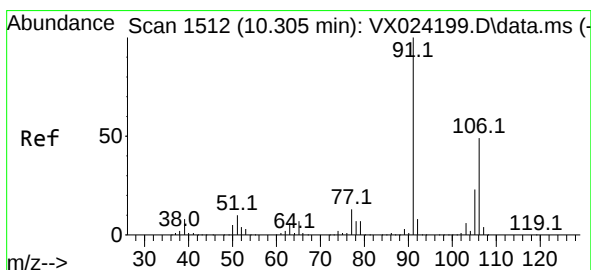
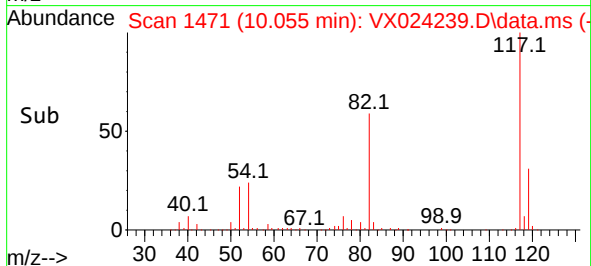
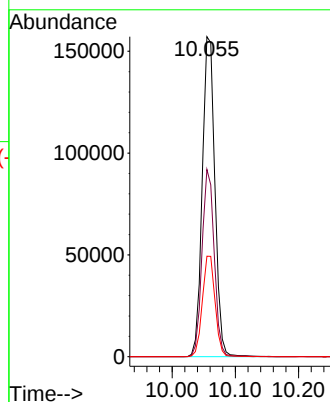
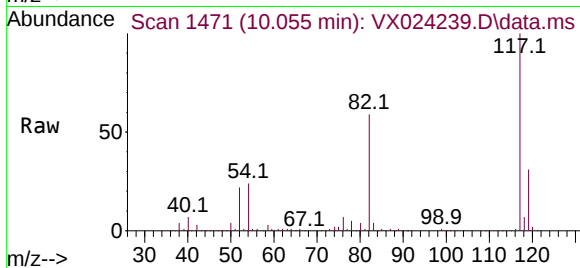




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

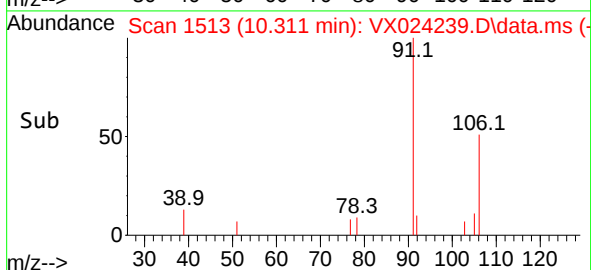
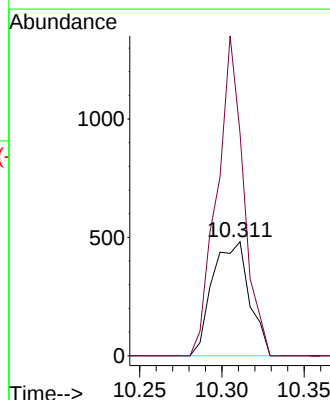
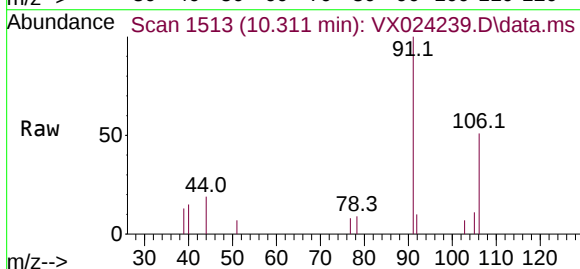
Instrument :
MSVOA_X
ClientSampled :
33129

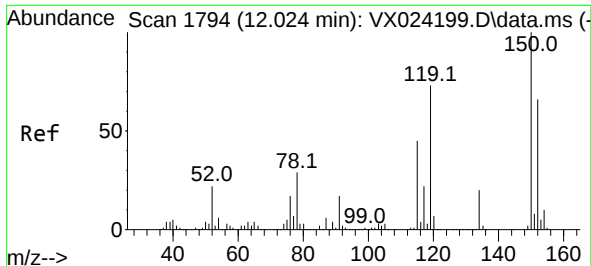
Tgt Ion:117 Resp: 218340
Ion Ratio Lower Upper
117 100
82 58.5 47.4 71.2
119 31.4 26.6 39.8



#68
m/p-Xylenes
Concen: 0.249 ug/l
RT: 10.311 min Scan# 1513
Delta R.T. 0.006 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion:106 Resp: 750
Ion Ratio Lower Upper
106 100
91 203.2 162.8 244.2

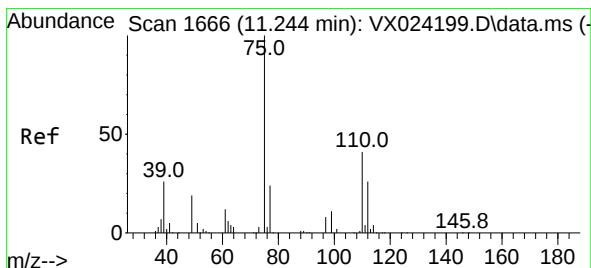
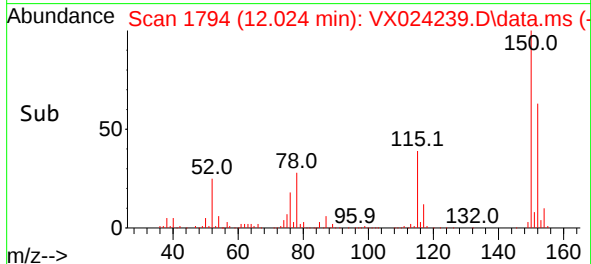
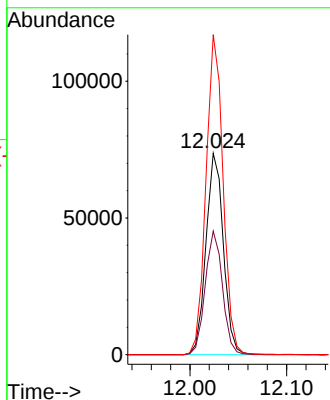
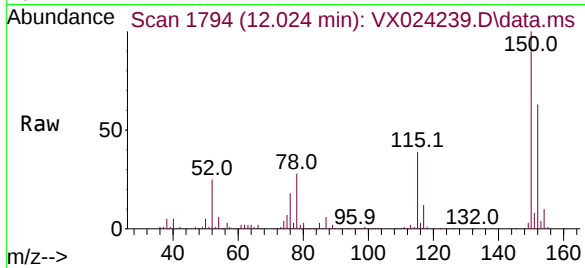




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX024239.D
 Acq: 15 Sep 2021 04:28

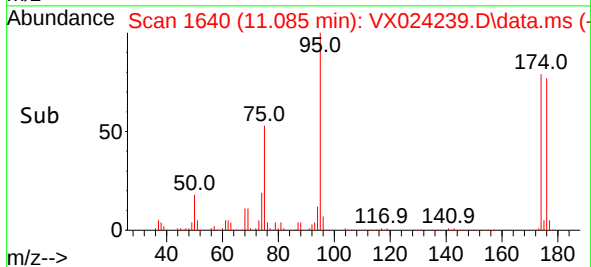
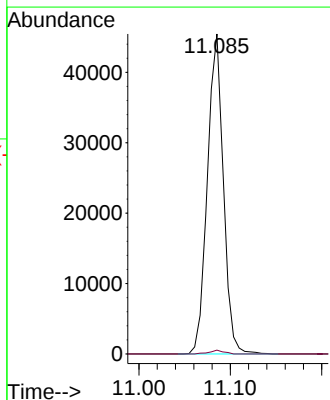
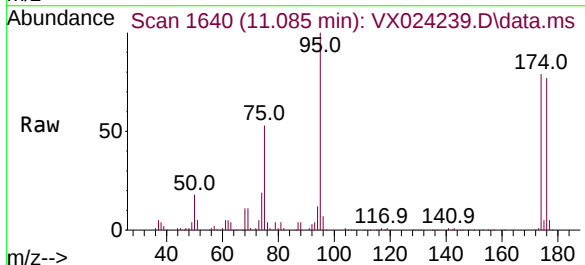
Instrument :
 MSVOA_X
 ClientSampled :
 33129

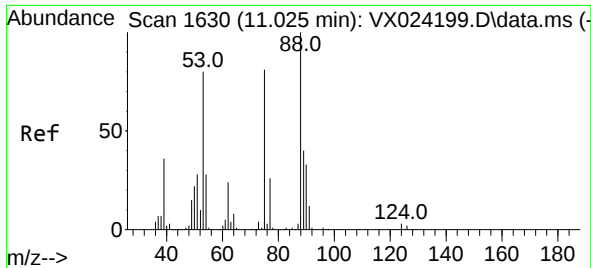
Tgt Ion:152 Resp: 92269
 Ion Ratio Lower Upper
 152 100
 115 60.8 41.1 123.3
 150 155.7 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 25.948 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX024239.D
 Acq: 15 Sep 2021 04:28

Tgt Ion: 75 Resp: 55052
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.1 57.5#

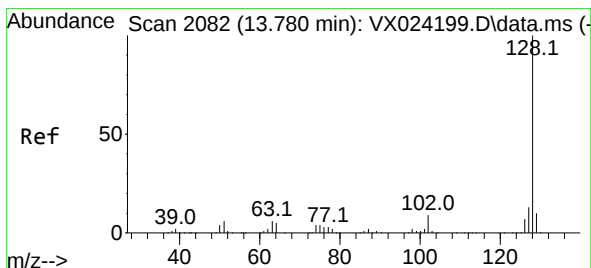
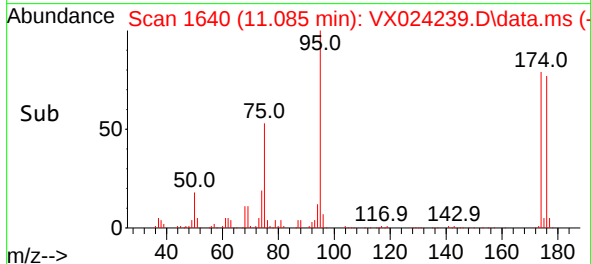
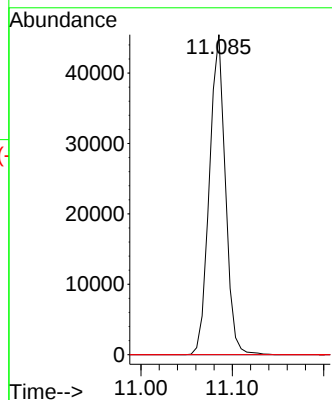
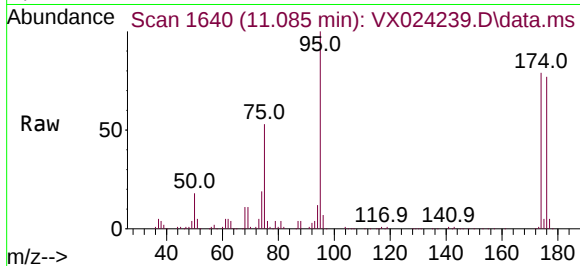




#81
trans-1,4-Dichloro-2-butene
Concen: 76.313 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.060 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Instrument :
MSVOA_X
ClientSampled :
33129

Tgt Ion: 75 Resp: 55052
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.290 ug/l
RT: 13.798 min Scan# 2085
Delta R.T. 0.018 min
Lab File: VX024239.D
Acq: 15 Sep 2021 04:28

Tgt Ion: 128 Resp: 23
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

