

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024745.D
 Acq On : 12 Oct 2021 05:44
 Operator : JC/MD
 Sample : M4158-11
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:11:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
 Quant Title : SW846 8260
 QLast Update : Thu Sep 23 18:24:34 2021
 Response via : Initial Calibration

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

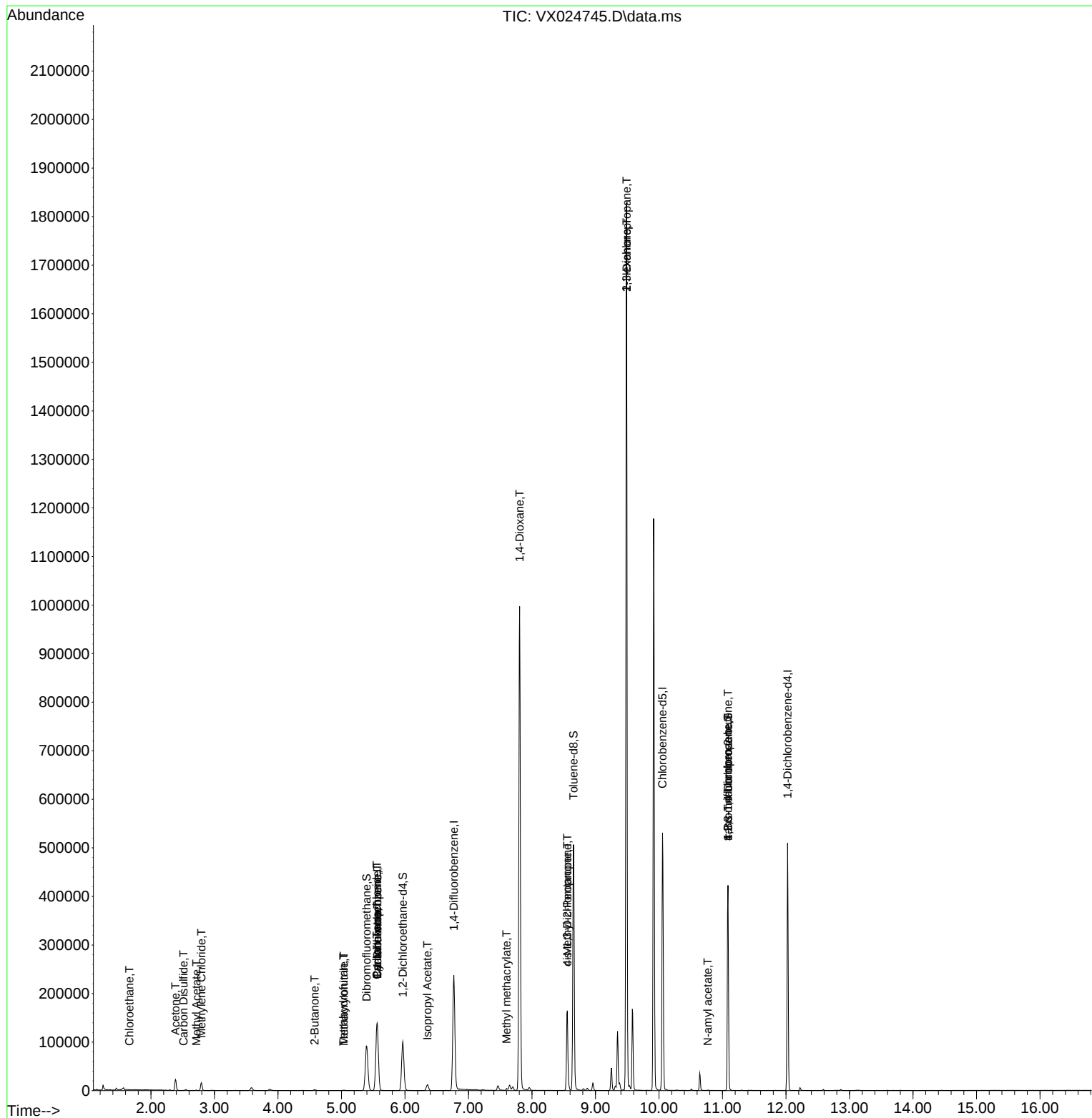
Internal Standards						
1) Pentafluorobenzene	5.562	168	130058	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	229902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	232496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	98665	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	100980	55.090	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	= 110.180%		
35) Dibromofluoromethane	5.397	113	78456	51.369	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 102.740%		
50) Toluene-d8	8.653	98	293495	52.212	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	= 104.420%		
62) 4-Bromofluorobenzene	11.085	95	108328	49.013	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	= 98.020%		
Target Compounds						
					Qvalue	
6) Chloroethane	1.660	64	341	0.653	ug/l #	43
11) Tert butyl alcohol	2.971	59	633	Below Cal	#	73
16) Acetone	2.386	43	24595	22.576	ug/l	93
17) Carbon Disulfide	2.514	76	265	0.314	ug/l #	75
18) Methyl Acetate	2.715	43	1345	0.490	ug/l #	87
20) Methylene Chloride	2.794	84	6853	3.943	ug/l	96
25) 2-Butanone	4.574	43	2689	2.130	ug/l	92
29) Tetrahydrofuran	5.032	42	668	0.830	ug/l #	56
31) Cyclohexane	5.562	56	2788	1.270	ug/l #	35
36) 1,1-Dichloropropene	5.562	75	10349	4.696	ug/l #	49
38) Carbon Tetrachloride	5.556	117	13822	5.761	ug/l #	16
41) Methacrylonitrile	5.038	41	419	0.295	ug/l #	43
43) Isopropyl Acetate	6.355	43	16263	3.888	ug/l	93
48) Methyl methacrylate	7.598	41	5320	2.568	ug/l #	10
49) 1,4-Dioxane	7.806	88	148	3.119	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	60688	21.975	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	24485	9.508	ug/l #	70
57) 1,3-Dichloropropane	9.488	76	15051	5.299	ug/l #	42
59) 2-Hexanone	9.488	43	217151	99.843	ug/l #	43
74) N-amyl acetate	10.768	43	708	0.221	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	58175	25.964	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	58175	70.727	ug/l #	12

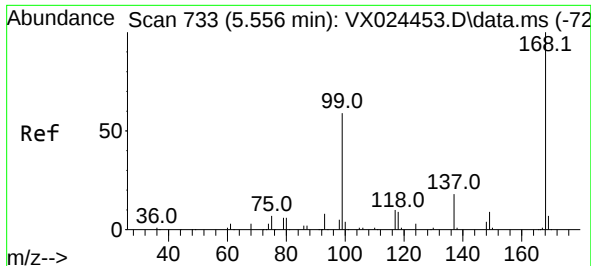
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092321W.M
Quant Title : SW846 8260
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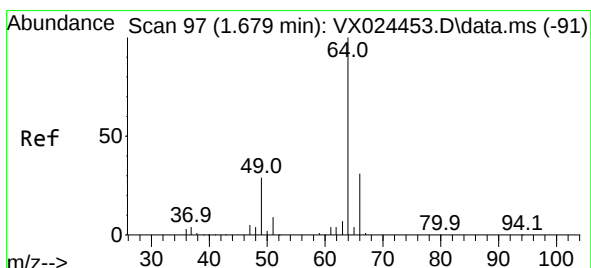
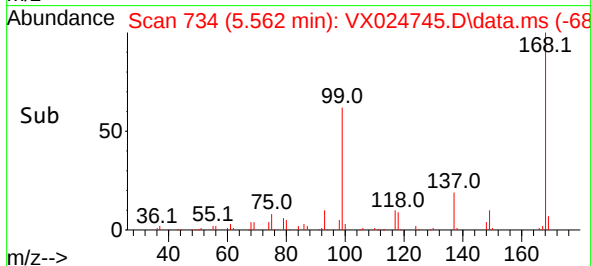
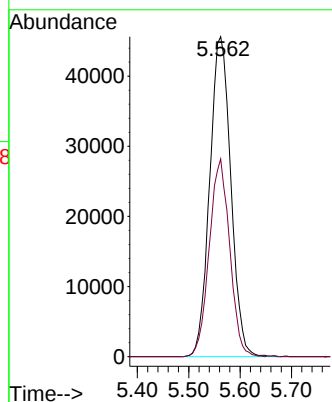
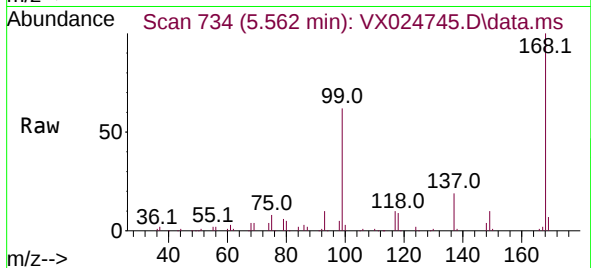




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

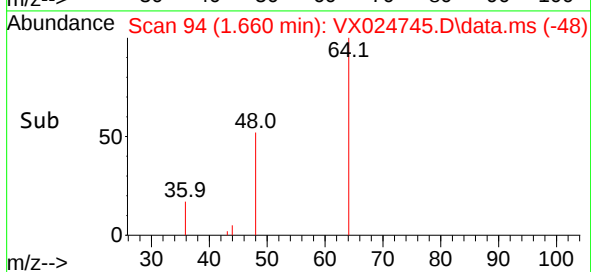
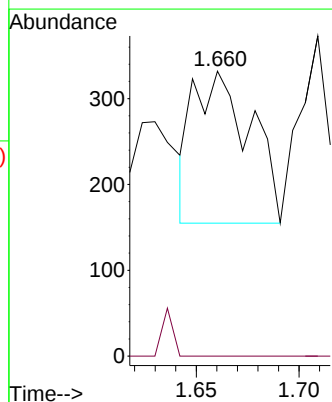
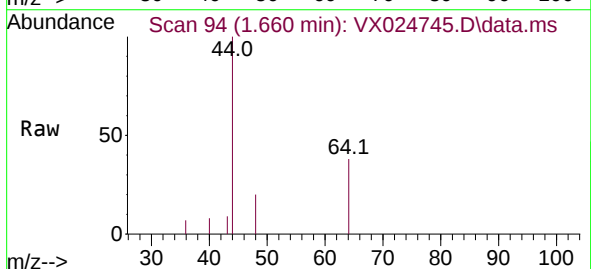
Instrument :
MSVOA_X
ClientSampled :

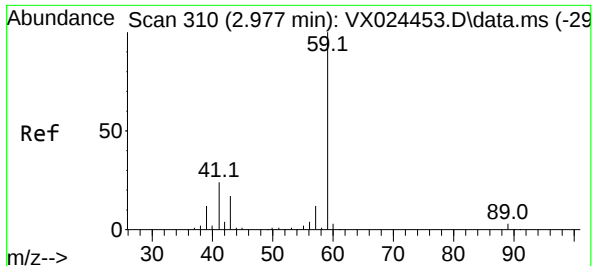
Tgt Ion:168 Resp: 130058
Ion Ratio Lower Upper
168 100
99 61.8 45.8 68.6



#6
Chloroethane
Concen: 0.653 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 64 Resp: 341
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



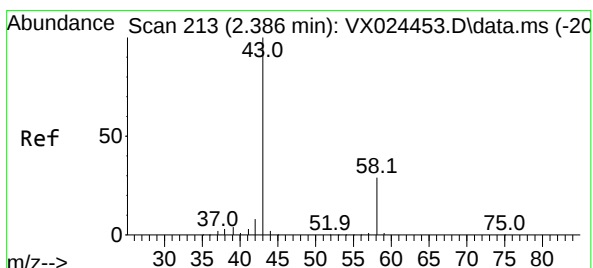
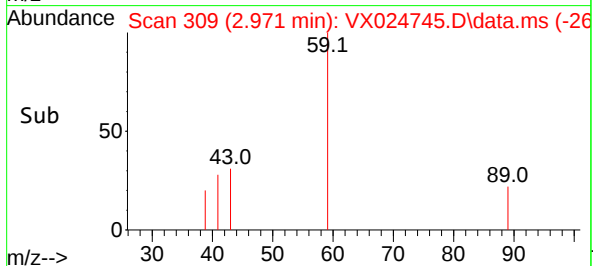
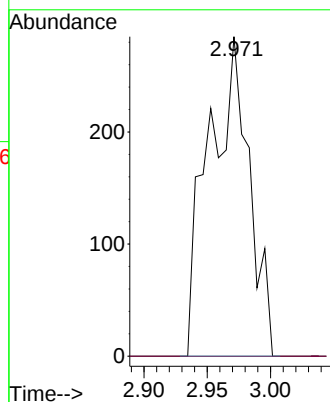
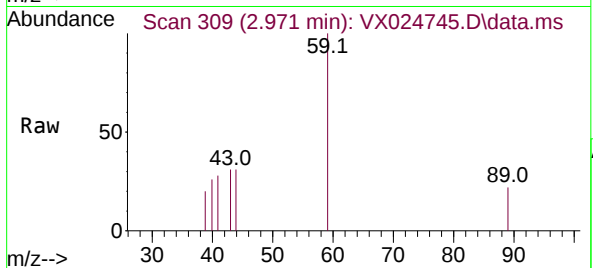


#11

Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Instrument :
MSVOA_X
ClientSampled :

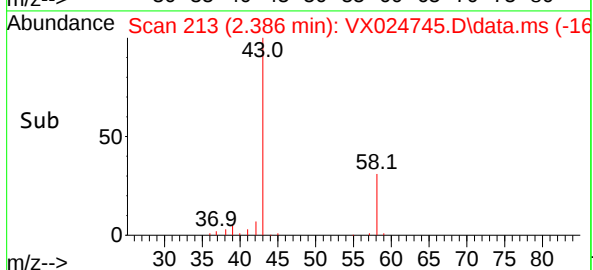
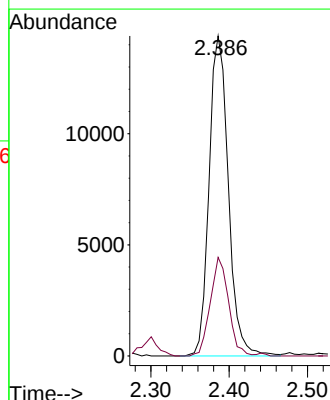
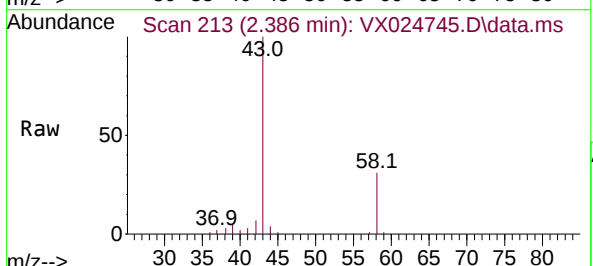
Tgt Ion: 59 Resp: 633
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

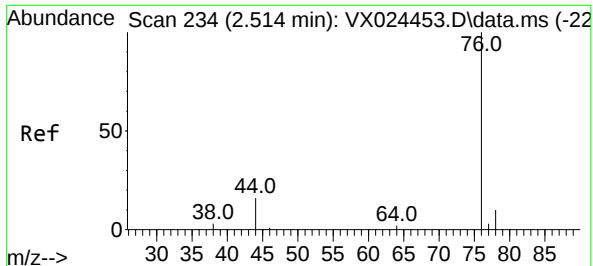


#16

Acetone
Concen: 22.576 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 43 Resp: 24595
Ion Ratio Lower Upper
43 100
58 30.8 27.8 41.8

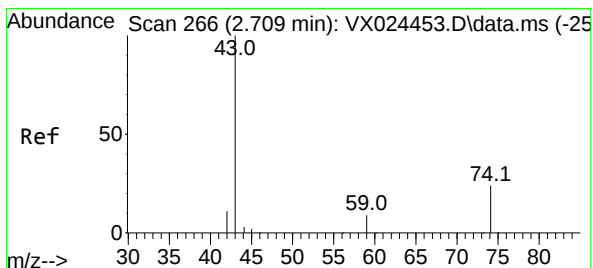
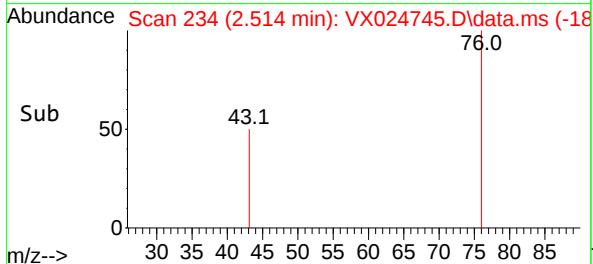
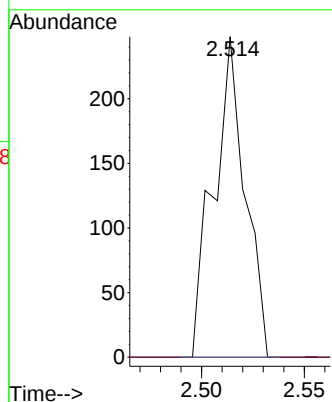
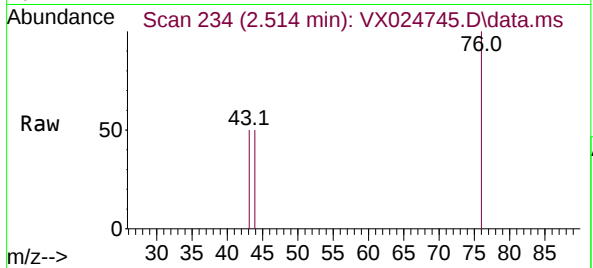




#17
Carbon Disulfide
Concen: 0.314 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

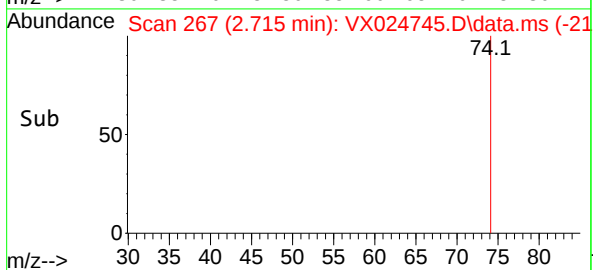
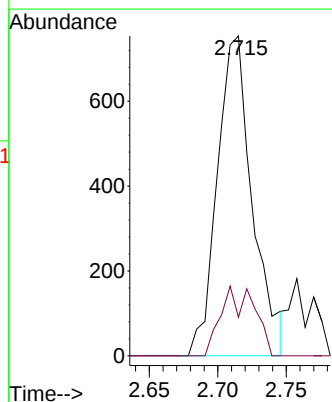
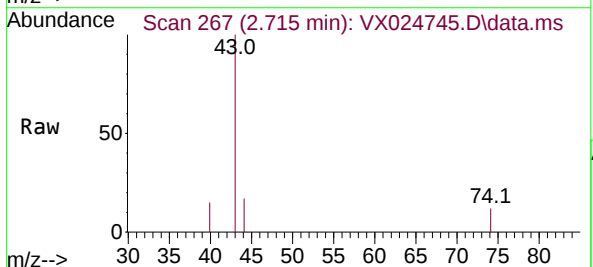
Instrument :
MSVOA_X
ClientSampled :

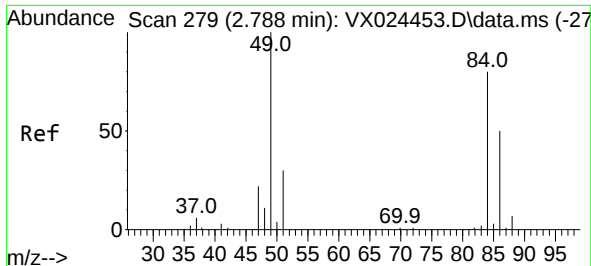
Tgt Ion: 76 Resp: 265
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 0.490 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

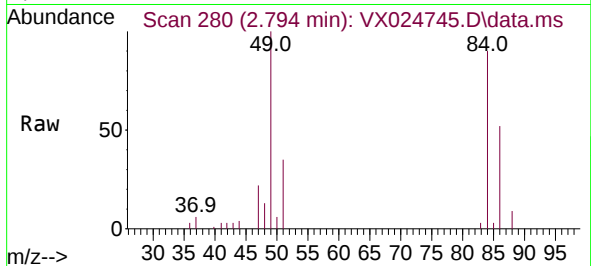
Tgt Ion: 43 Resp: 1345
Ion Ratio Lower Upper
43 100
74 20.5 21.9 32.9#



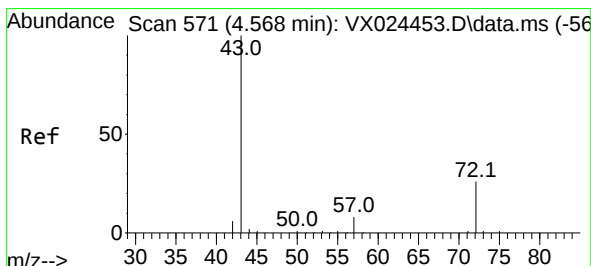
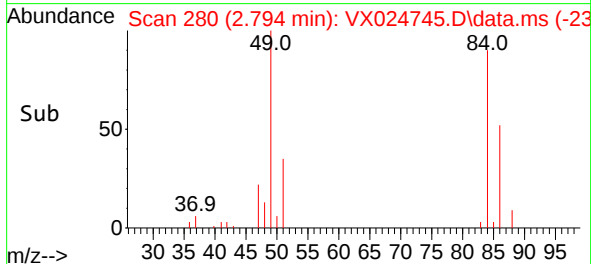
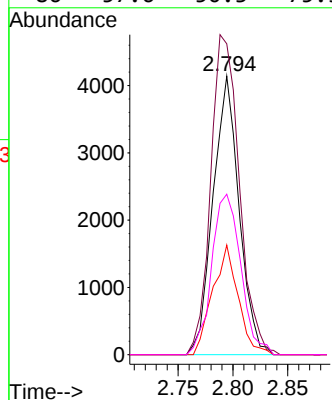


#20
Methylene Chloride
Concen: 3.943 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Instrument :
MSVOA_X
ClientSampleId :

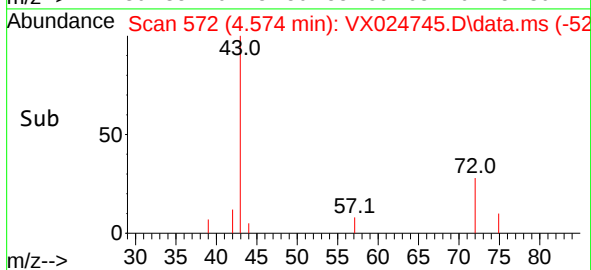
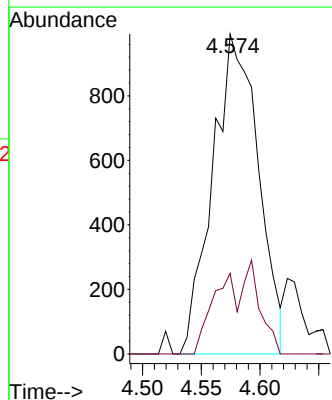
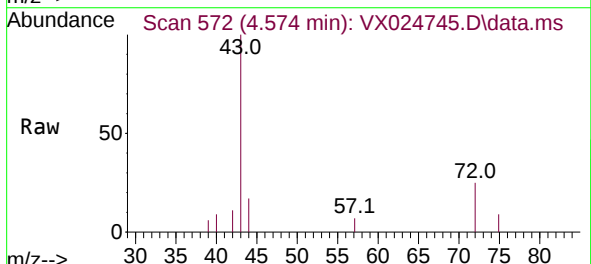


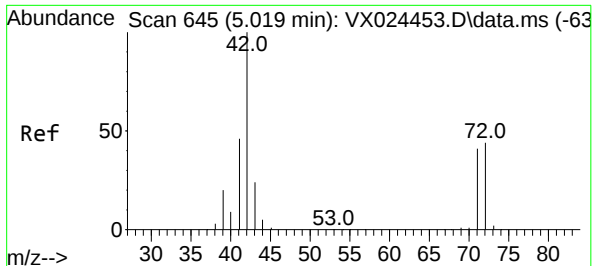
Tgt Ion: 84	Resp: 6853
Ion Ratio	Lower Upper
84 100	
49 111.6	88.6 132.8
51 39.3	27.0 40.6
86 57.6	50.3 75.5



#25
2-Butanone
Concen: 2.130 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.006 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 43	Resp: 2689
Ion Ratio	Lower Upper
43 100	
72 25.2	23.7 35.5





#29

Tetrahydrofuran

Concen: 0.830 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.013 min

Lab File: VX024745.D

Acq: 12 Oct 2021 05:44

Tgt Ion: 42 Resp: 668

Ion Ratio Lower Upper

42 100

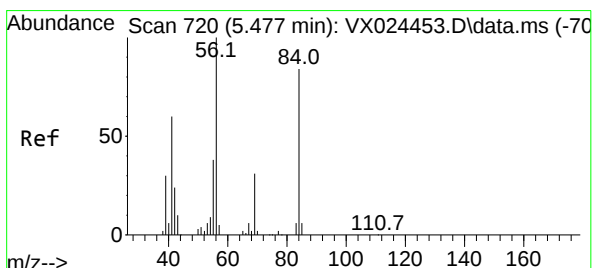
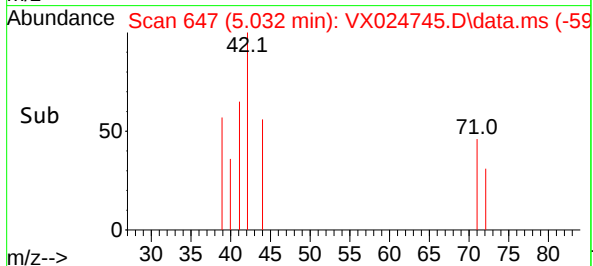
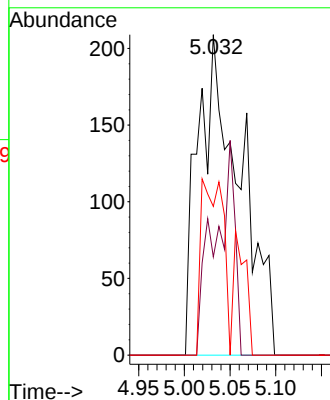
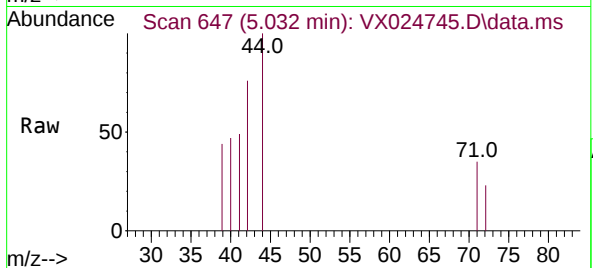
72 11.7 41.7 62.5#

71 28.6 38.4 57.6#

Instrument :

MSVOA_X

ClientSampled :



#31

Cyclohexane

Concen: 1.270 ug/l

RT: 5.562 min Scan# 734

Delta R.T. 0.085 min

Lab File: VX024745.D

Acq: 12 Oct 2021 05:44

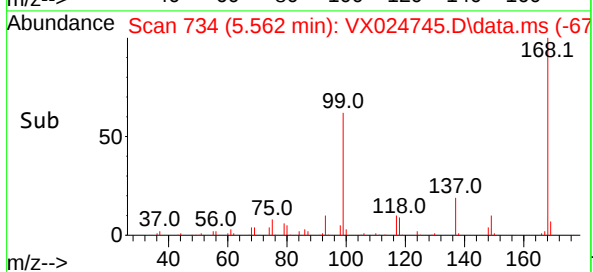
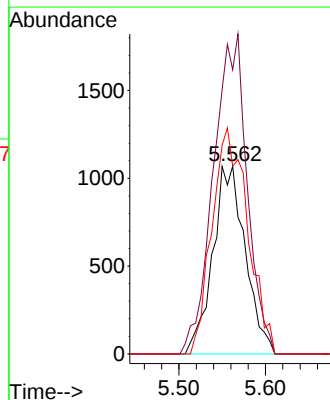
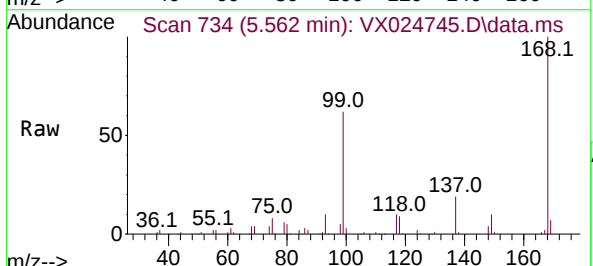
Tgt Ion: 56 Resp: 2788

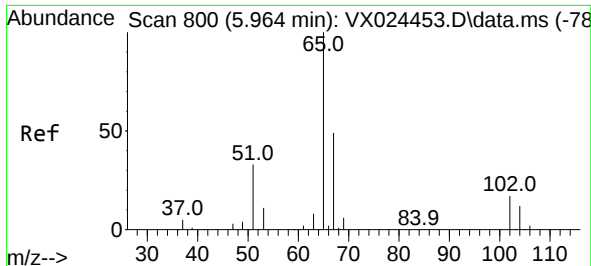
Ion Ratio Lower Upper

56 100

69 151.4 25.3 37.9#

84 100.0 71.4 107.0





#33

1,2-Dichloroethane-d4

Concen: 55.090 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.000 min

Lab File: VX024745.D

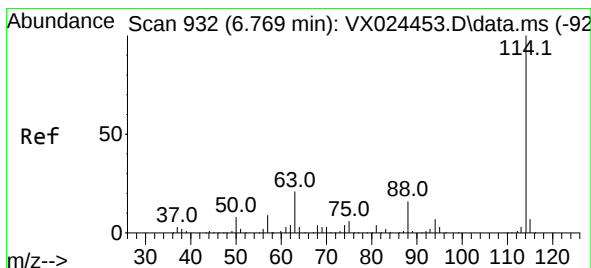
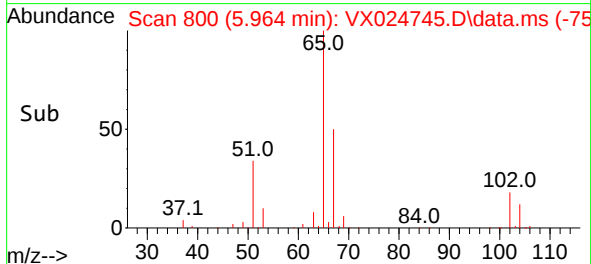
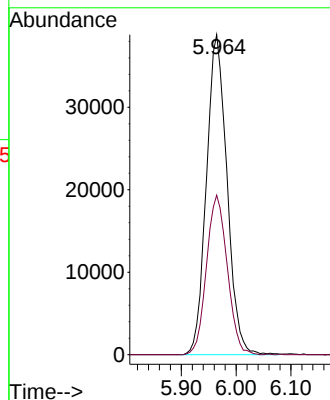
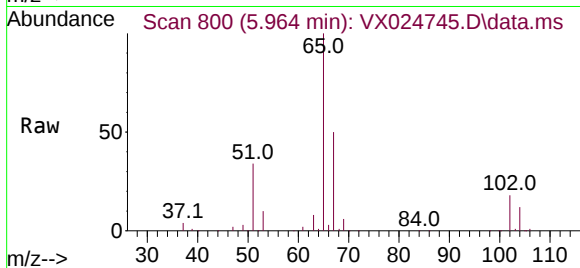
Acq: 12 Oct 2021 05:44

Tgt Ion: 65 Resp: 100980

Ion Ratio Lower Upper

65 100

67 50.3 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: VX024745.D

Acq: 12 Oct 2021 05:44

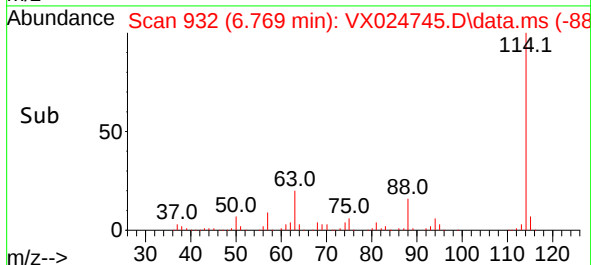
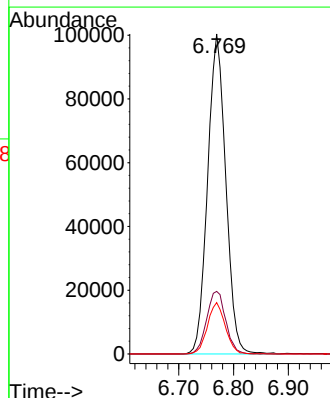
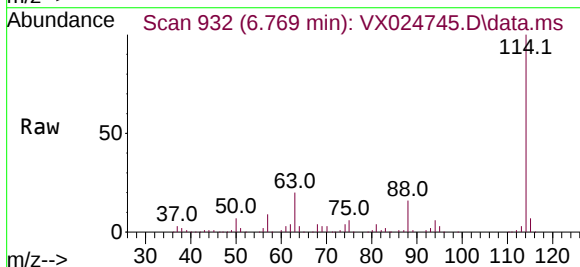
Tgt Ion: 114 Resp: 229902

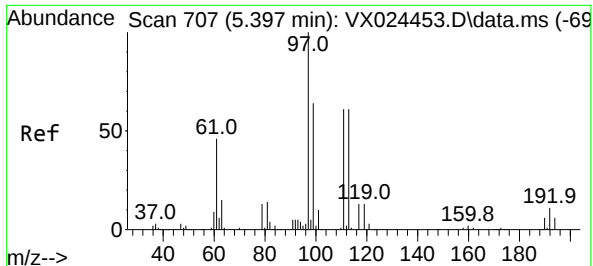
Ion Ratio Lower Upper

114 100

63 19.6 0.0 40.8

88 16.0 0.0 32.8





#35

Dibromofluoromethane

Concen: 51.369 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX024745.D

Acq: 12 Oct 2021 05:44

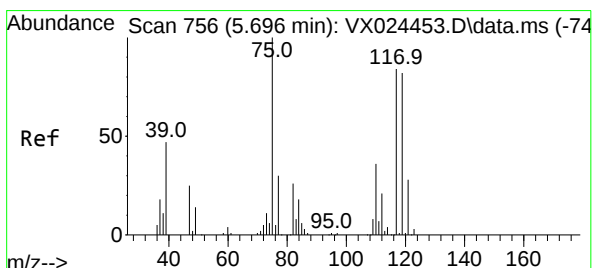
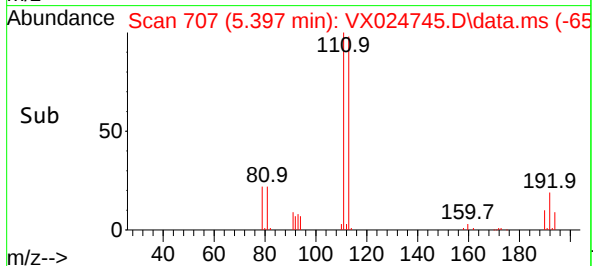
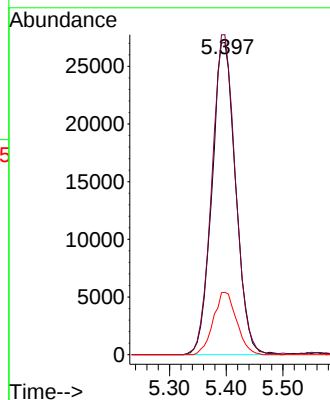
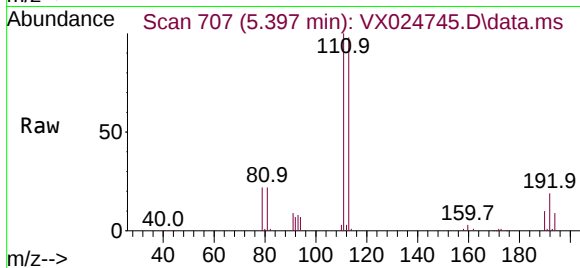
Tgt Ion:113 Resp: 78456

Ion Ratio Lower Upper

113 100

111 102.2 81.9 122.9

192 19.6 16.7 25.1



#36

1,1-Dichloropropene

Concen: 4.696 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024745.D

Acq: 12 Oct 2021 05:44

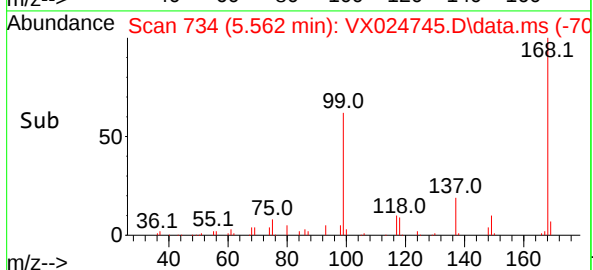
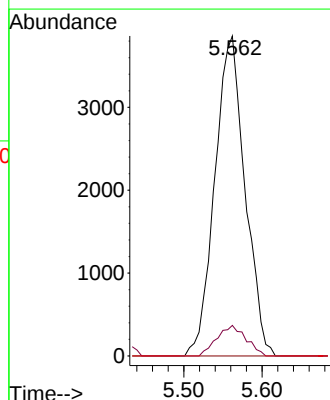
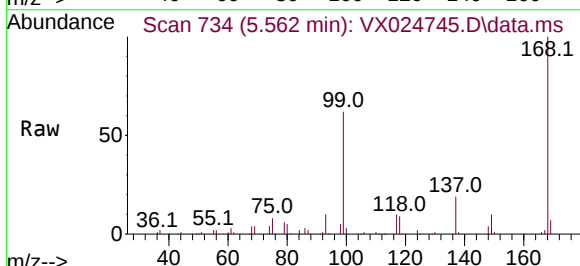
Tgt Ion: 75 Resp: 10349

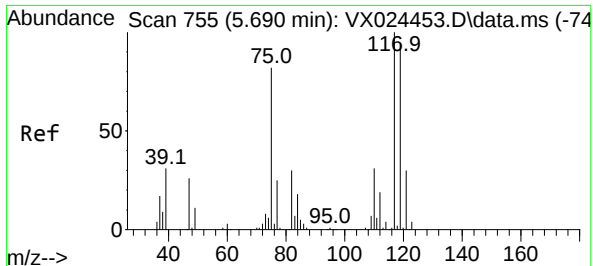
Ion Ratio Lower Upper

75 100

110 9.2 18.1 54.4#

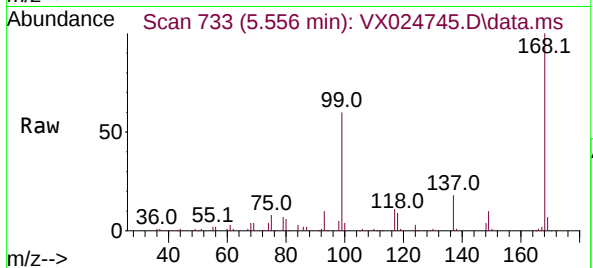
77 0.0 25.3 37.9#



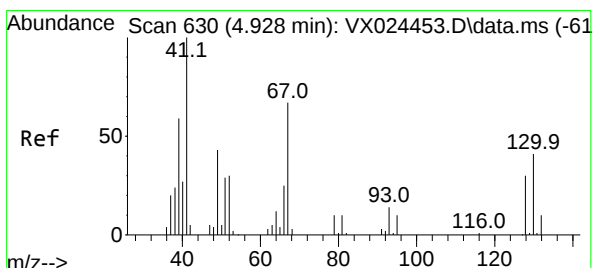
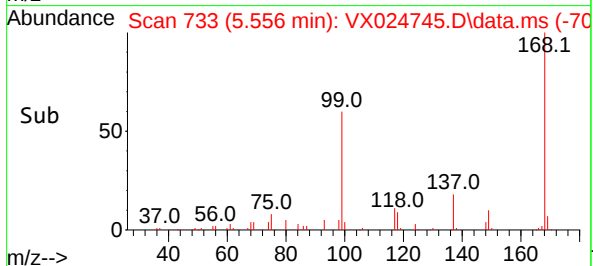
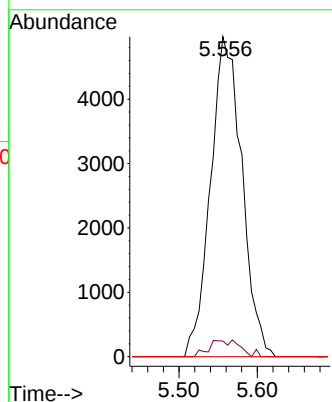


#38
Carbon Tetrachloride
Concen: 5.761 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Instrument :
MSVOA_X
ClientSampleId :

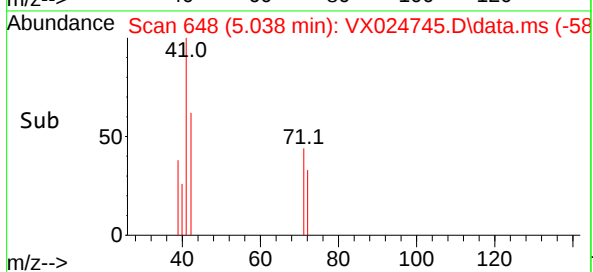
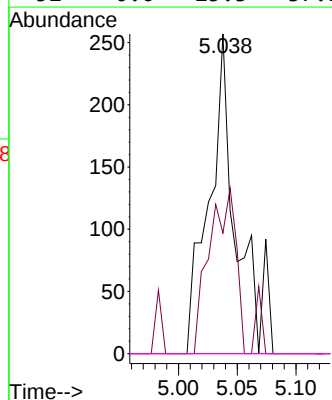
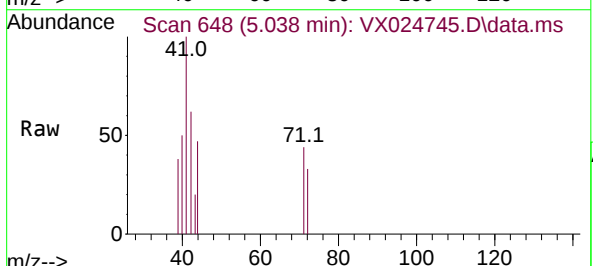


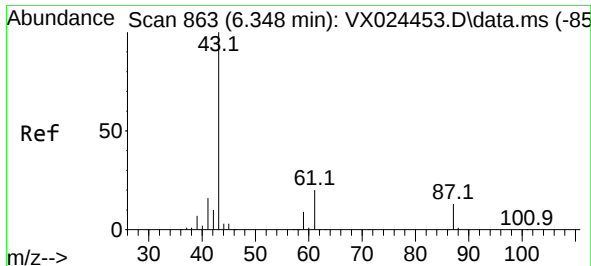
Tgt Ion:117 Resp: 13822
Ion Ratio Lower Upper
117 100
119 4.9 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.295 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.110 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 41 Resp: 419
Ion Ratio Lower Upper
41 100
39 50.4 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

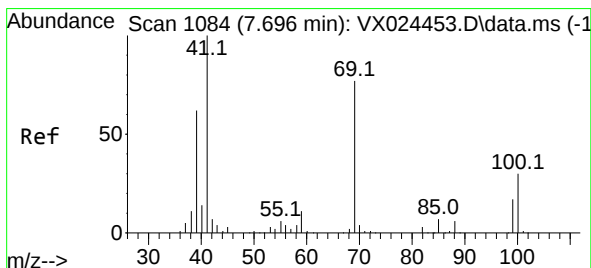
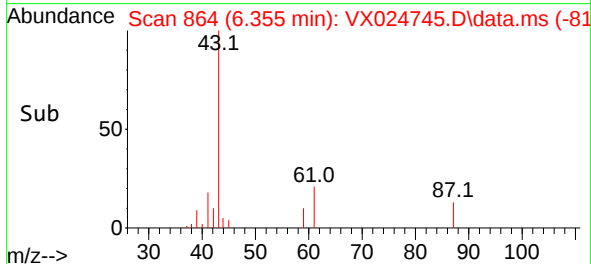
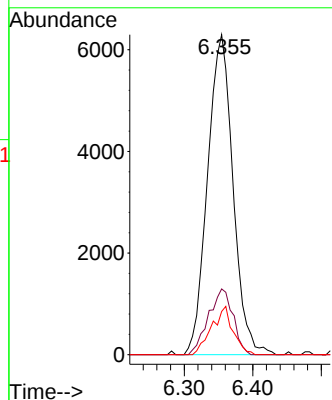
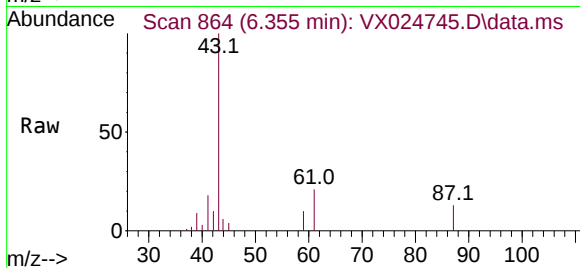




#43
Isopropyl Acetate
Concen: 3.888 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

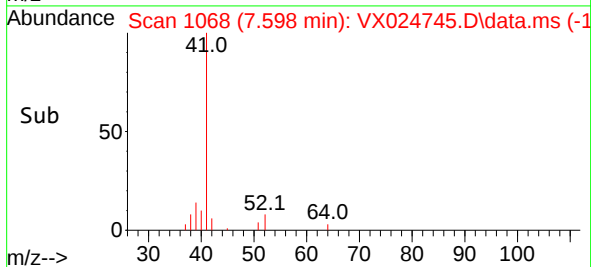
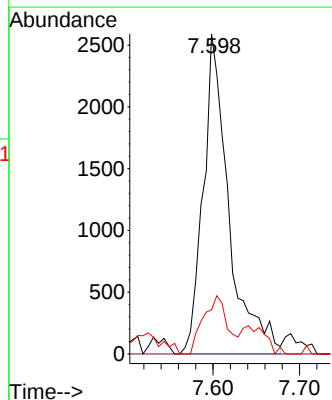
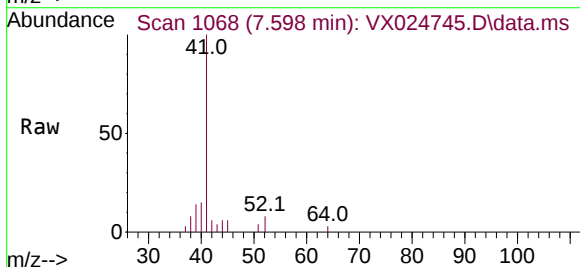
Instrument :
MSVOA_X
ClientSampleId :

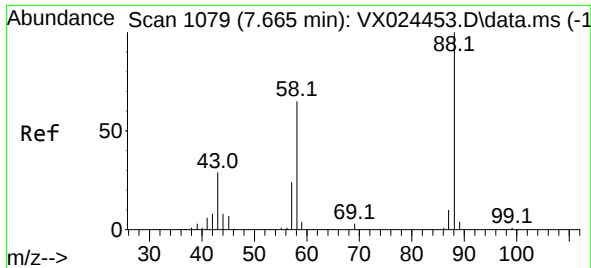
Tgt Ion: 43 Resp: 16263
Ion Ratio Lower Upper
43 100
61 19.8 18.2 27.4
87 12.6 12.5 18.7



#48
Methyl methacrylate
Concen: 2.568 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 41 Resp: 5320
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#





#49

1,4-Dioxane

Concen: 3.119 ug/l

RT: 7.806 min Scan# 1102

Delta R.T. 0.141 min

Lab File: VX024745.D

Acq: 12 Oct 2021 05:44

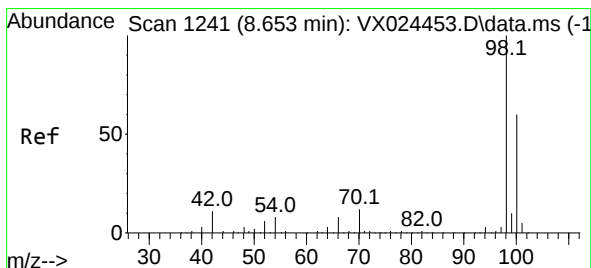
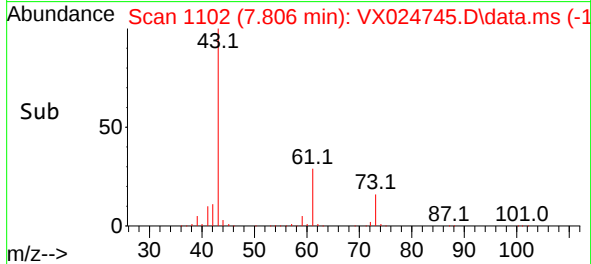
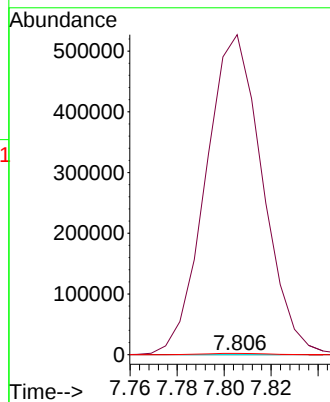
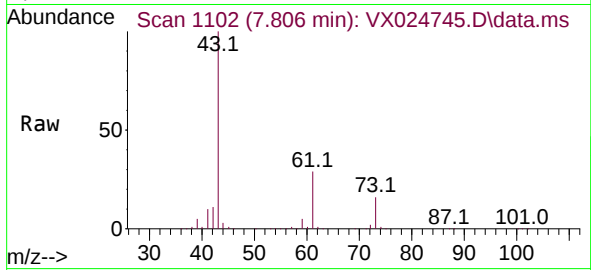
Tgt Ion: 88 Resp: 148

Ion Ratio Lower Upper

88 100

43 603456.1 23.2 34.8#

58 2740.5 55.0 82.4#



#50

Toluene-d8

Concen: 52.212 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX024745.D

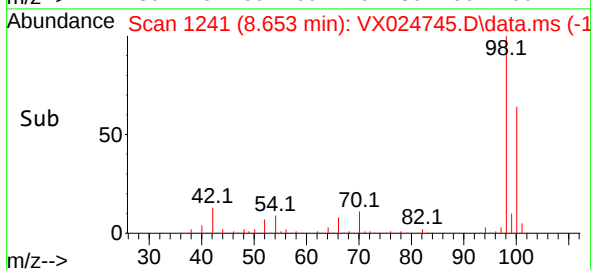
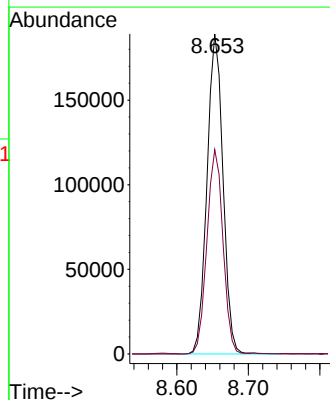
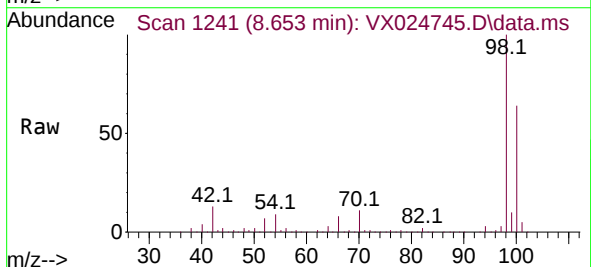
Acq: 12 Oct 2021 05:44

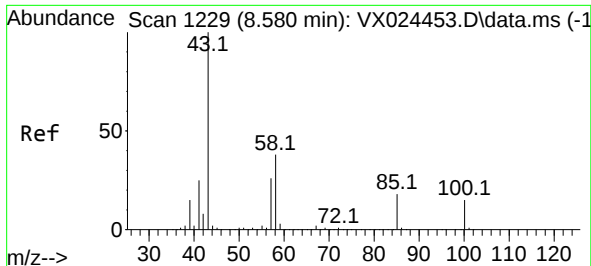
Tgt Ion: 98 Resp: 293495

Ion Ratio Lower Upper

98 100

100 64.1 51.9 77.9

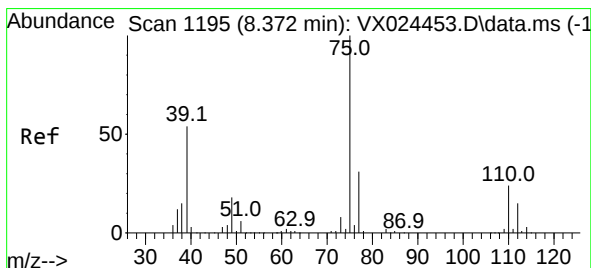
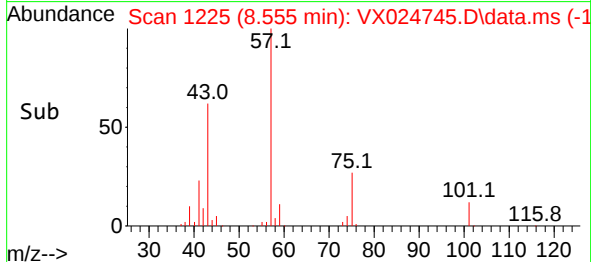
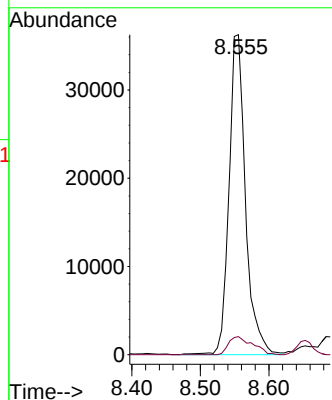
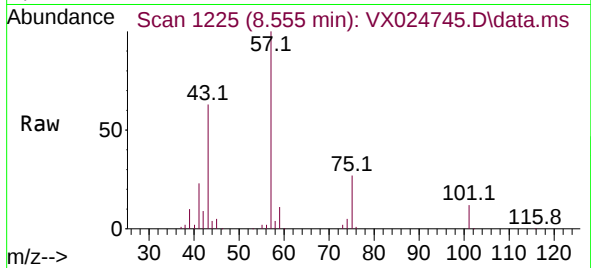




#51
4-Methyl-2-Pentanone
Concen: 21.975 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

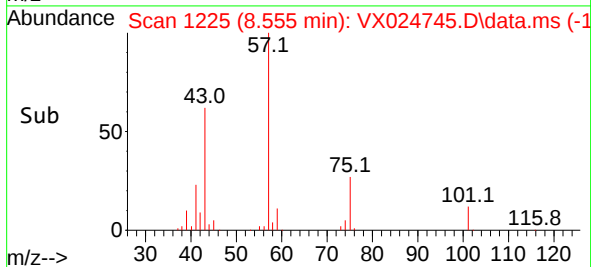
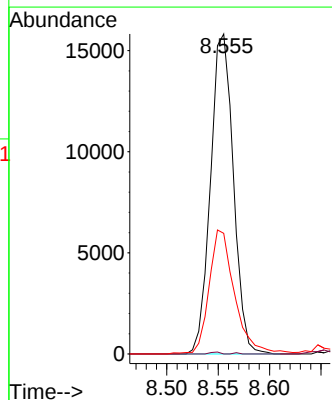
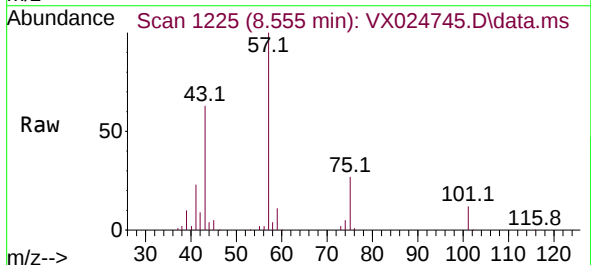
Instrument :
MSVOA_X
ClientSampled :

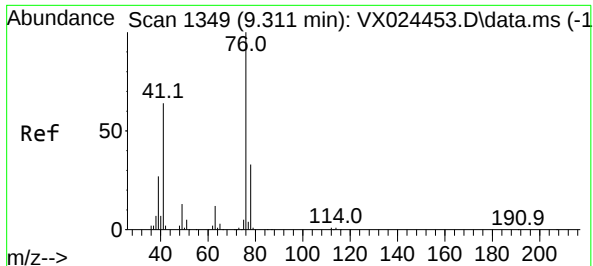
Tgt Ion: 43 Resp: 60688
Ion Ratio Lower Upper
43 100
58 8.3 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.508 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 75 Resp: 24485
Ion Ratio Lower Upper
75 100
77 0.0 25.7 38.5#
39 37.4 35.1 52.7



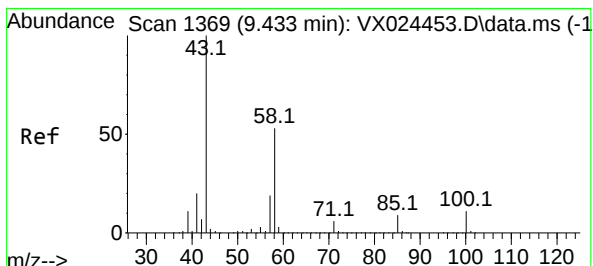
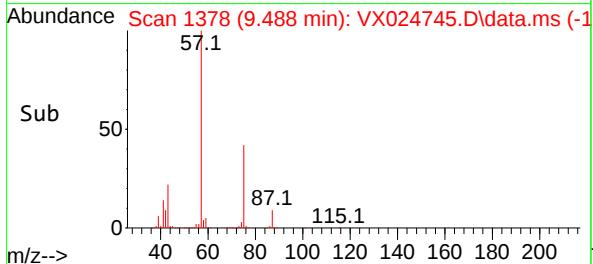
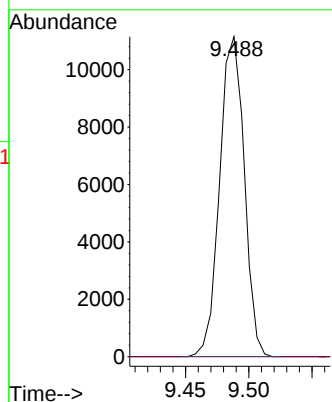
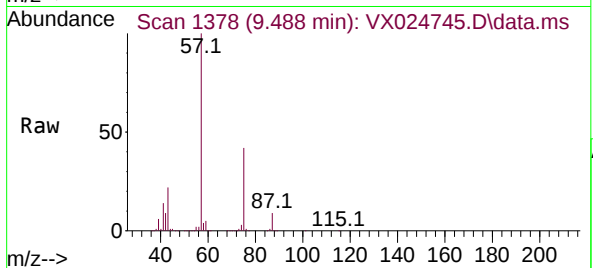


#57

1,3-Dichloropropane
Concen: 5.299 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Instrument :
MSVOA_X
ClientSampled :

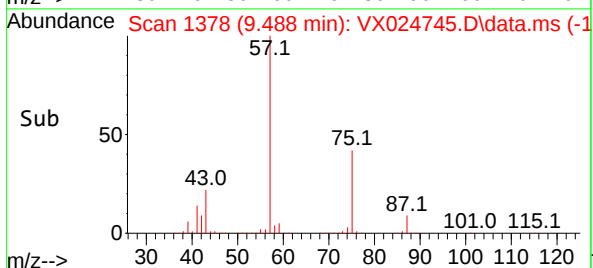
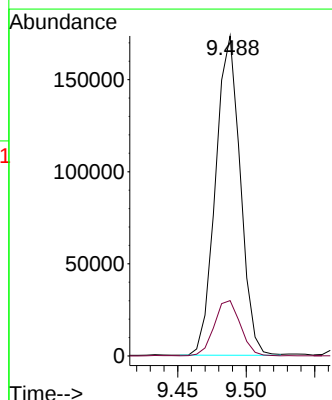
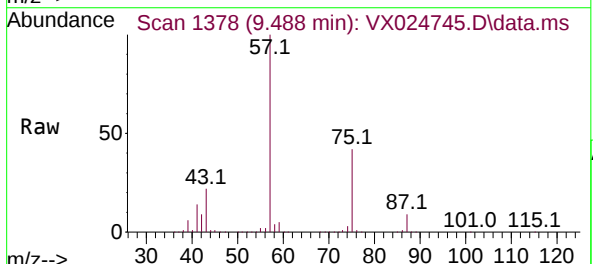
Tgt Ion: 76 Resp: 15051
Ion Ratio Lower Upper
76 100
78 0.0 26.2 39.2#

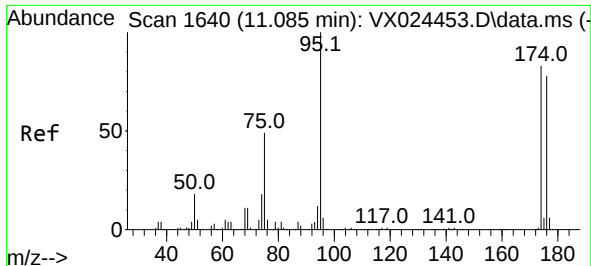


#59

2-Hexanone
Concen: 99.843 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 43 Resp: 217151
Ion Ratio Lower Upper
43 100
58 18.4 30.9 92.8#

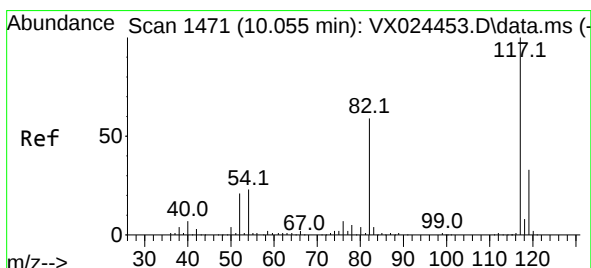
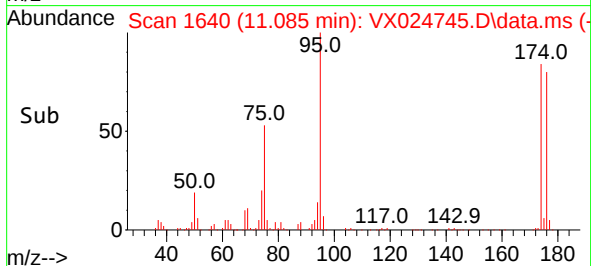
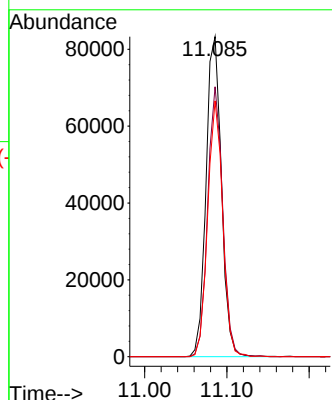
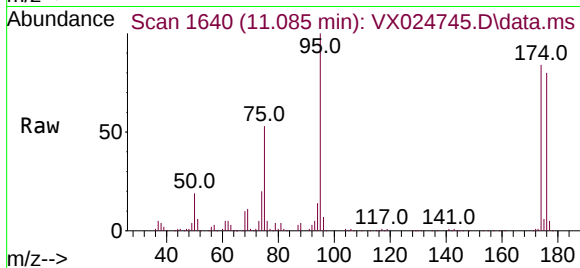




#62
4-Bromofluorobenzene
Concen: 49.013 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

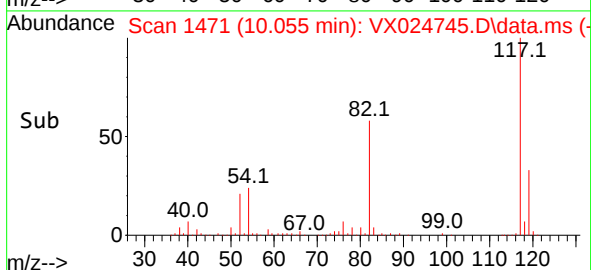
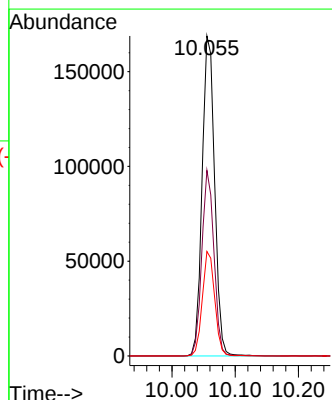
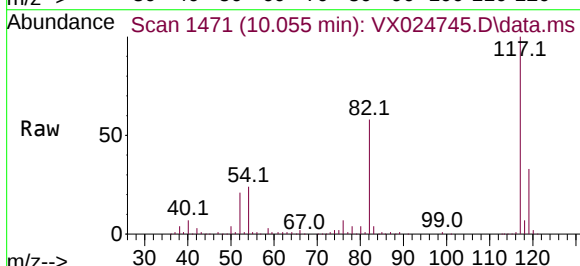
Instrument :
MSVOA_X
ClientSampleId :

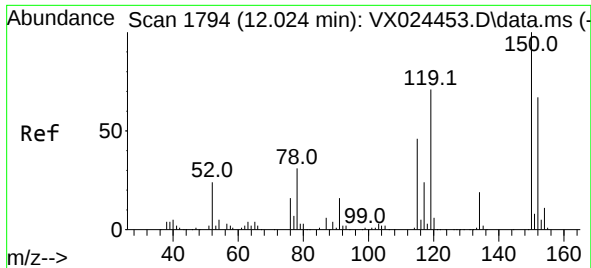
Tgt Ion: 95 Resp: 108328
Ion Ratio Lower Upper
95 100
174 82.4 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 117 Resp: 232496
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 32.7 26.6 39.8

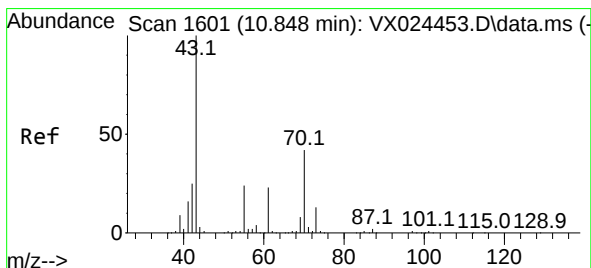
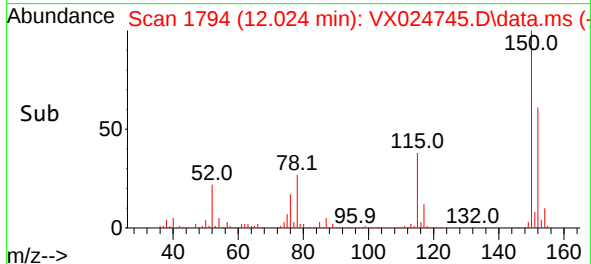
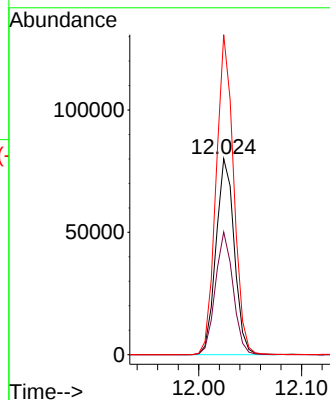
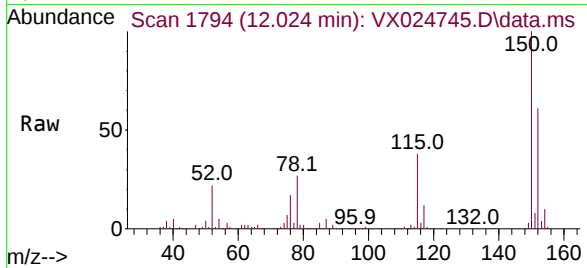




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

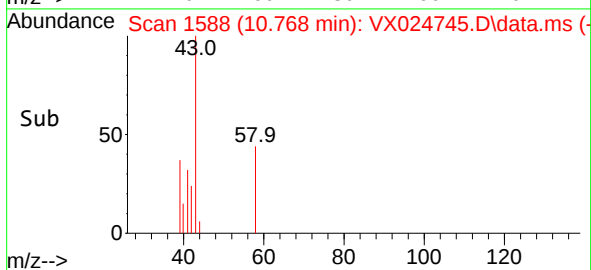
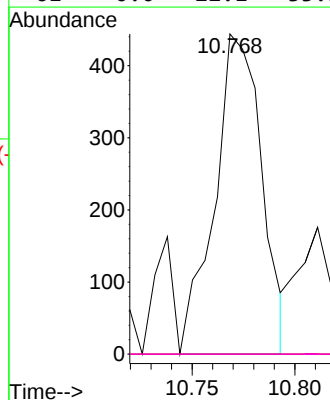
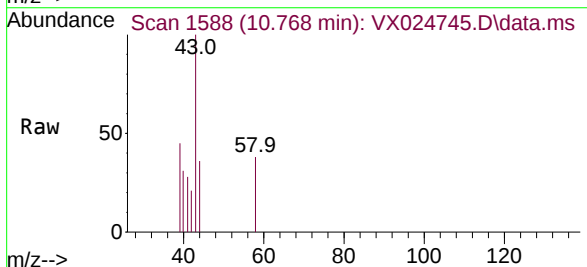
Instrument :
MSVOA_X
ClientSampleId :

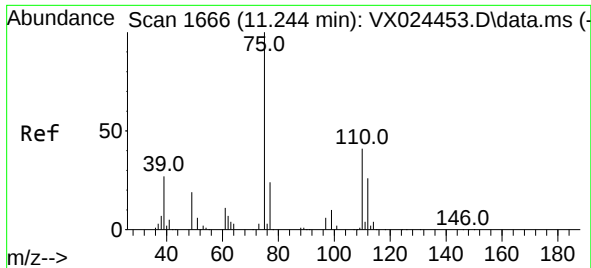
Tgt Ion:152 Resp: 98665
Ion Ratio Lower Upper
152 100
115 60.8 41.1 123.3
150 156.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.221 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 43 Resp: 708
Ion Ratio Lower Upper
43 100
70 0.0 39.0 58.6#
55 0.0 21.5 32.3#
61 0.0 22.1 33.1#

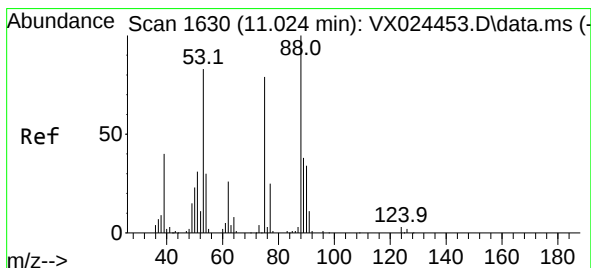
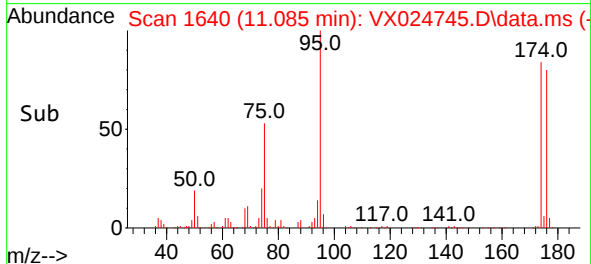
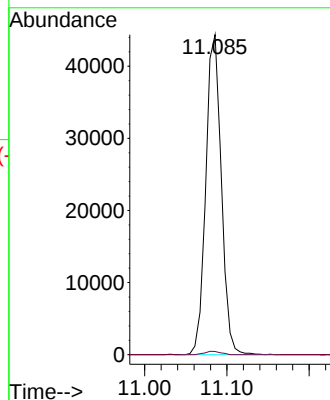
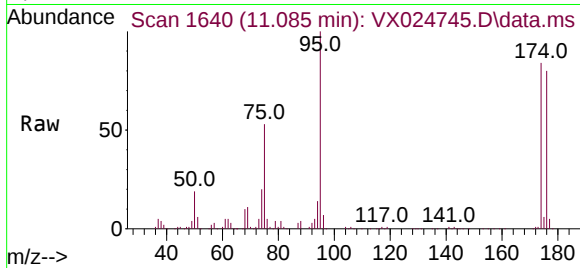




#76
1,2,3-Trichloropropane
Concen: 25.964 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 58175
Ion Ratio Lower Upper
75 100
77 1.1 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 70.727 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024745.D
Acq: 12 Oct 2021 05:44

Tgt Ion: 75 Resp: 58175
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

