

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX101121\
 Data File : VX024748.D
 Acq On : 12 Oct 2021 06:54
 Operator : JC/MD
 Sample : M4158-14
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 12 08:12:21 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

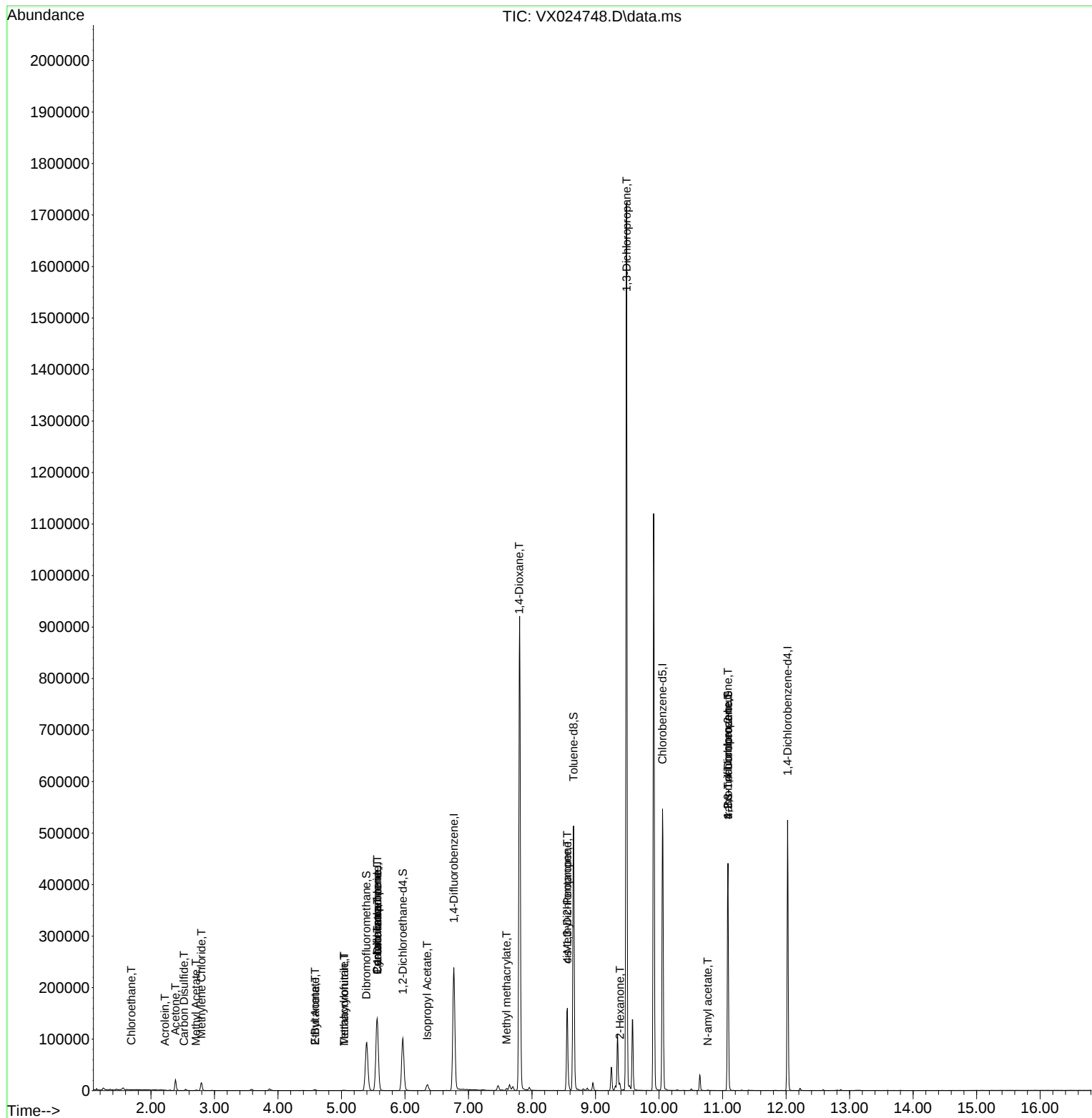
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	130443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	230145	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236083	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	102632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	101049	54.965	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 109.920%	
35) Dibromofluoromethane	5.391	113	79897	52.258	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.520%	
50) Toluene-d8	8.653	98	294924	52.410	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 104.820%	
62) 4-Bromofluorobenzene	11.085	95	110268	49.838	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 99.680%	
Target Compounds						Qvalue
6) Chloroethane	1.691	64	108	0.383	ug/l #	43
11) Tert butyl alcohol	2.959	59	561	Below Cal	#	73
13) Acrolein	2.221	56	25	10.299	ug/l #	14
16) Acetone	2.386	43	21010	17.661	ug/l #	85
17) Carbon Disulfide	2.520	76	213	0.296	ug/l #	75
18) Methyl Acetate	2.709	43	1448	0.526	ug/l #	77
20) Methylene Chloride	2.794	84	6811	3.896	ug/l	95
25) 2-Butanone	4.586	43	3140	2.480	ug/l	100
29) Tetrahydrofuran	5.044	42	648	0.803	ug/l #	60
31) Cyclohexane	5.562	56	2952	1.341	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	10337	4.685	ug/l #	50
37) Ethyl Acetate	4.586	43	3140	1.140	ug/l #	64
38) Carbon Tetrachloride	5.562	117	13706	5.707	ug/l #	15
41) Methacrylonitrile	5.044	41	446	0.314	ug/l #	40
43) Isopropyl Acetate	6.348	43	15924	3.803	ug/l #	91
48) Methyl methacrylate	7.598	41	5237	2.526	ug/l #	10
49) 1,4-Dioxane	7.799	88	64	1.347	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	57803	20.908	ug/l #	45
54) cis-1,3-Dichloropropene	8.555	75	24004	9.311	ug/l #	72
57) 1,3-Dichloropropane	9.488	76	13699	4.818	ug/l #	42
59) 2-Hexanone	9.384	43	8153	3.745	ug/l #	19
74) N-amyl acetate	10.768	43	708	0.212	ug/l #	38
76) 1,2,3-Trichloropropane	11.085	75	58227	24.983	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	58227	68.128	ug/l #	12

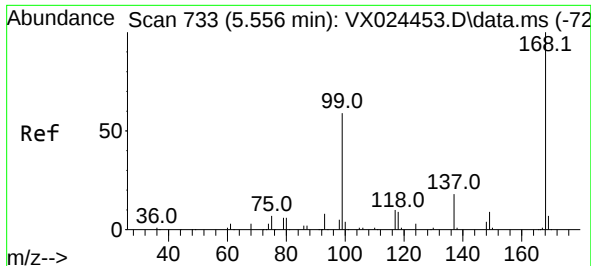
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Sep 23 18:24:34 2021
Response via : Initial Calibration

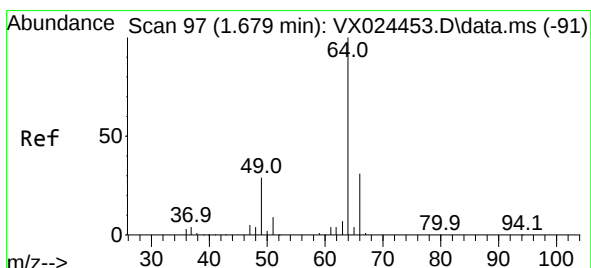
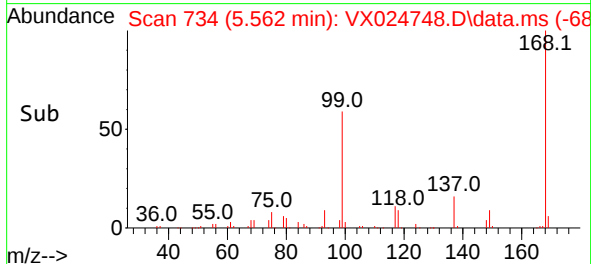
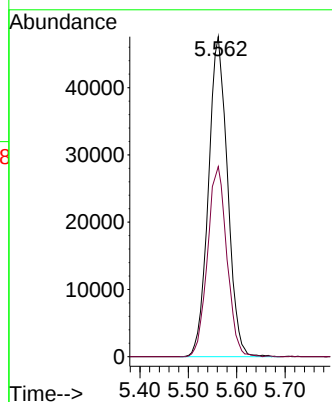
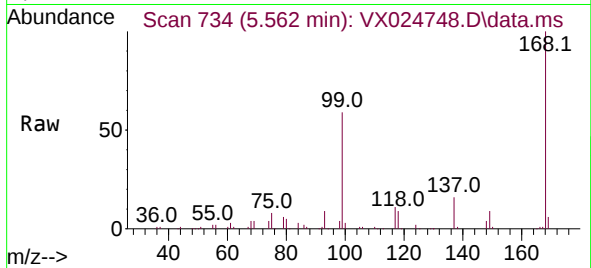




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

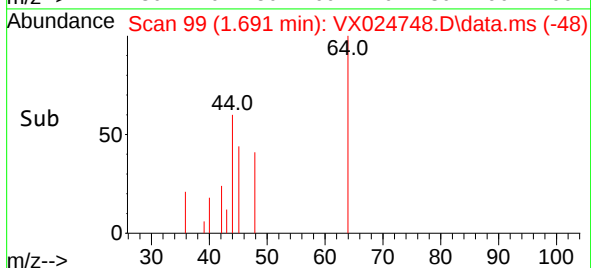
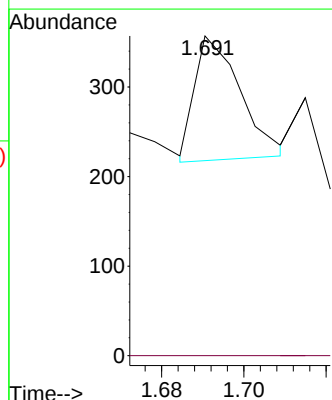
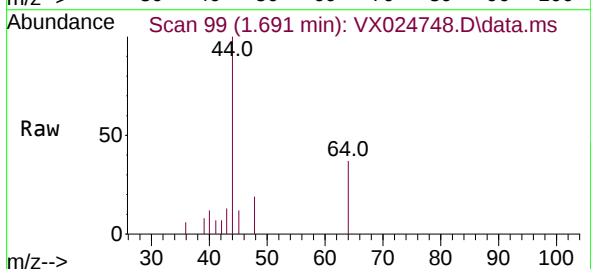
Instrument :
MSVOA_X
ClientSampled :

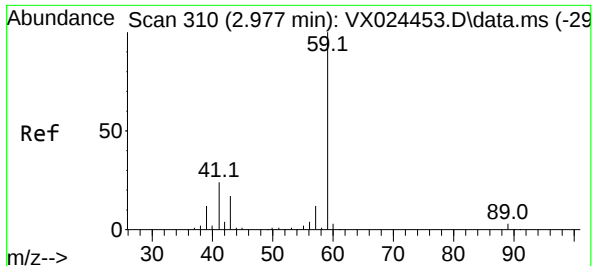
Tgt Ion:168 Resp: 130443
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#6
Chloroethane
Concen: 0.383 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.012 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 64 Resp: 108
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

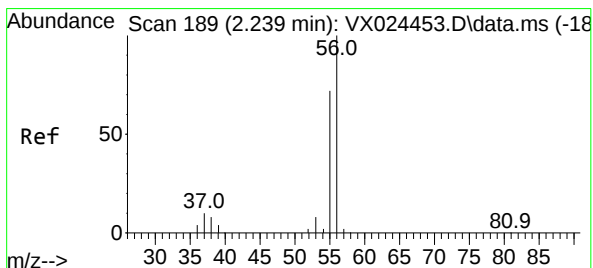
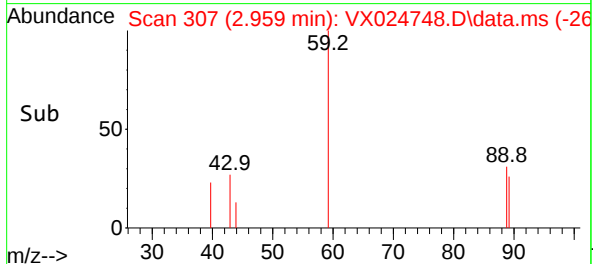
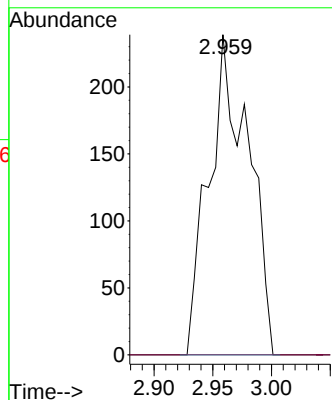
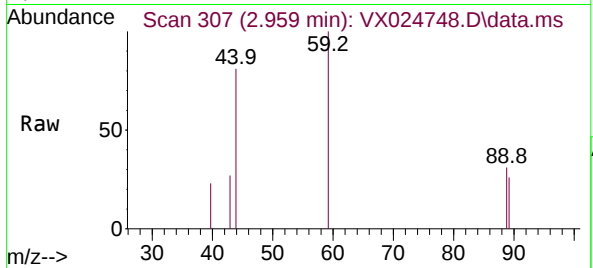




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.018 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

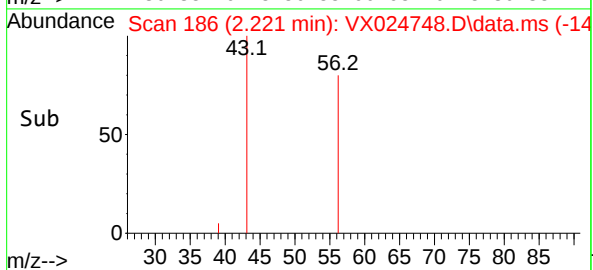
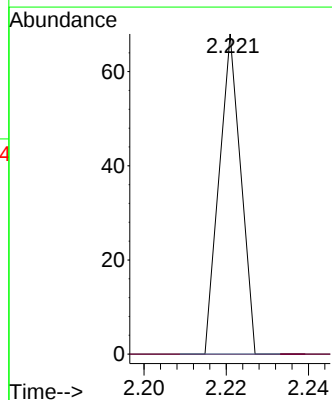
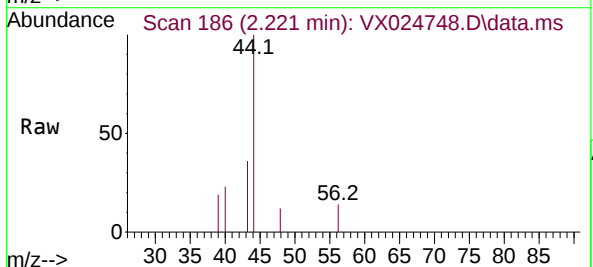
Instrument :
MSVOA_X
ClientSampled :

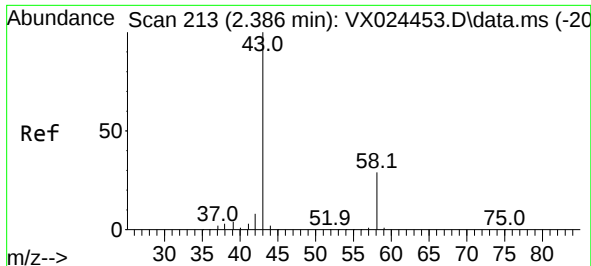
Tgt Ion: 59 Resp: 561
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.299 ug/l
RT: 2.221 min Scan# 186
Delta R.T. -0.018 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 56 Resp: 25
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

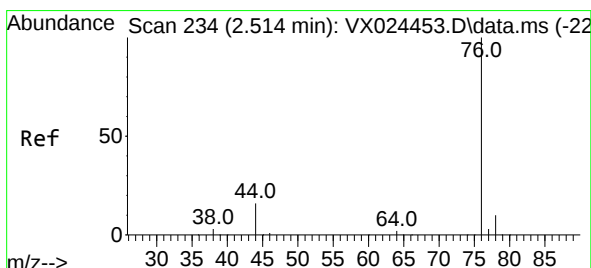
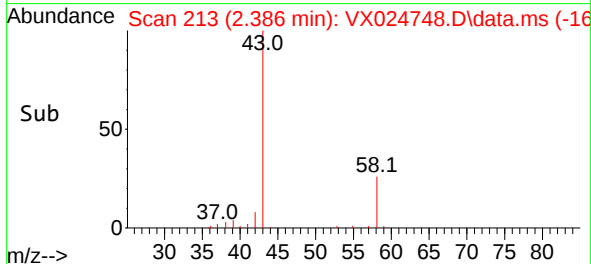
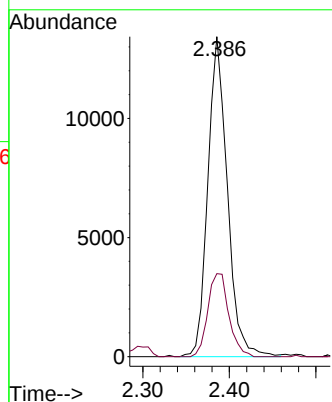
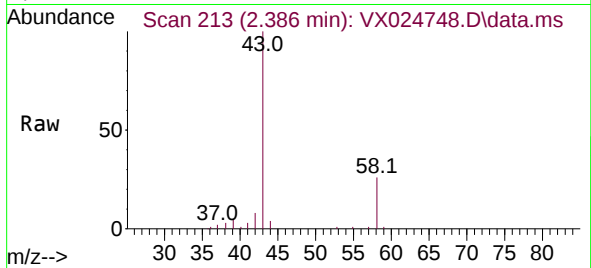




#16
Acetone
Concen: 17.661 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

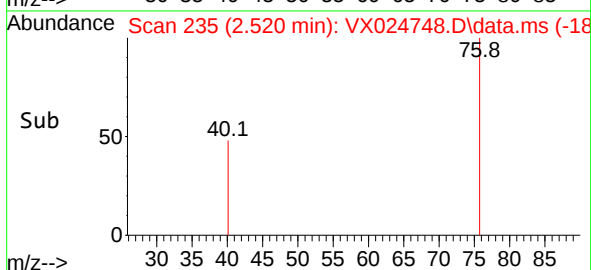
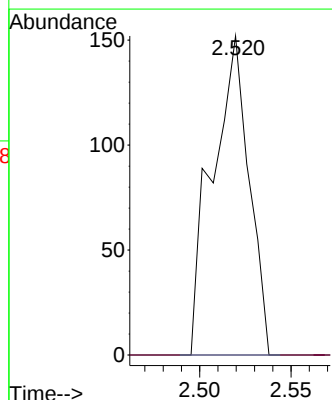
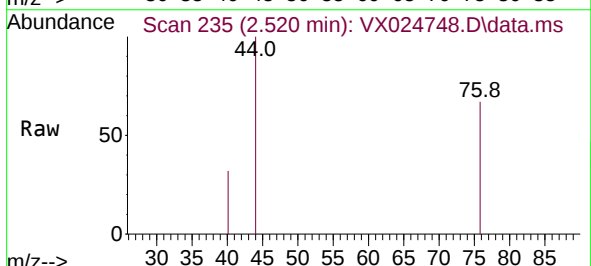
Instrument :
MSVOA_X
ClientSampled :

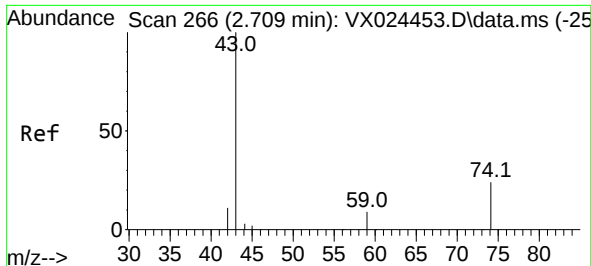
Tgt Ion: 43 Resp: 21010
Ion Ratio Lower Upper
43 100
58 25.9 27.8 41.8#



#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.006 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 76 Resp: 213
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

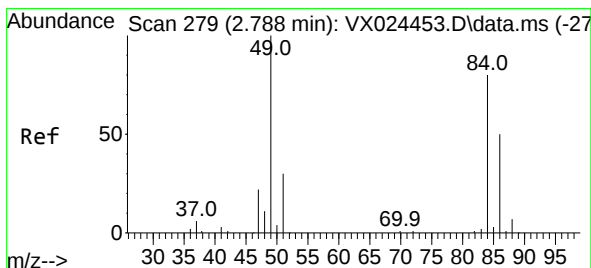
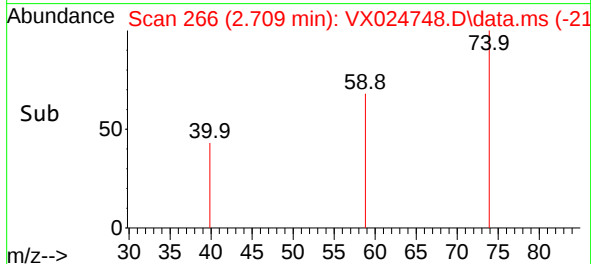
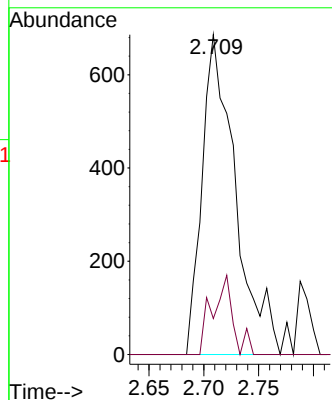
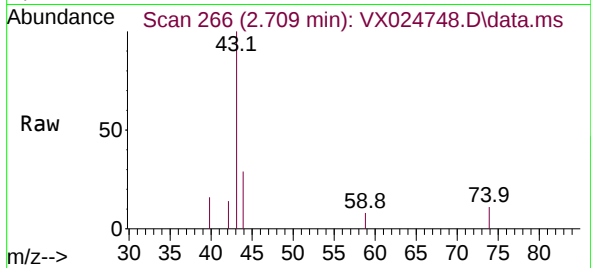




#18
Methyl Acetate
Concen: 0.526 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

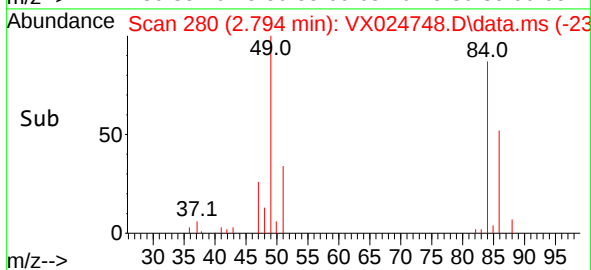
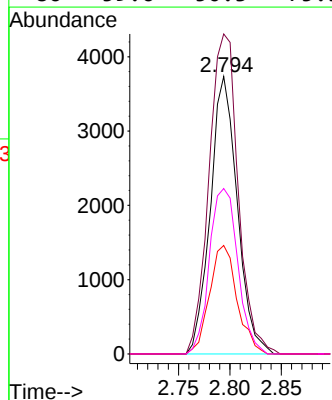
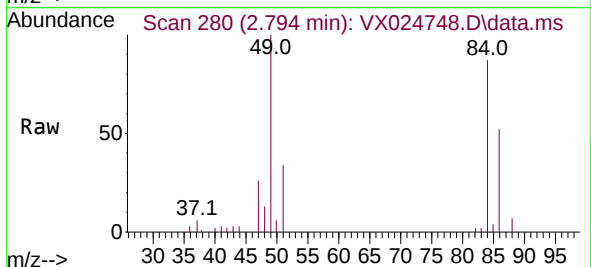
Instrument :
MSVOA_X
ClientSampled :

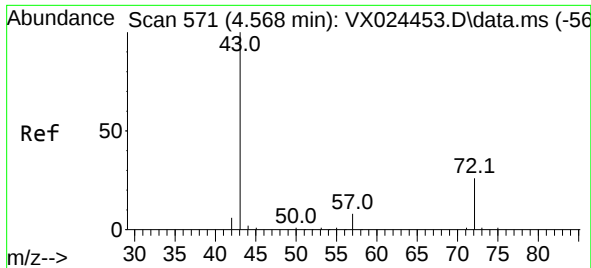
Tgt Ion: 43 Resp: 1448
Ion Ratio Lower Upper
43 100
74 15.3 21.9 32.9#



#20
Methylene Chloride
Concen: 3.896 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 84 Resp: 6811
Ion Ratio Lower Upper
84 100
49 115.3 88.6 132.8
51 39.1 27.0 40.6
86 59.6 50.3 75.5

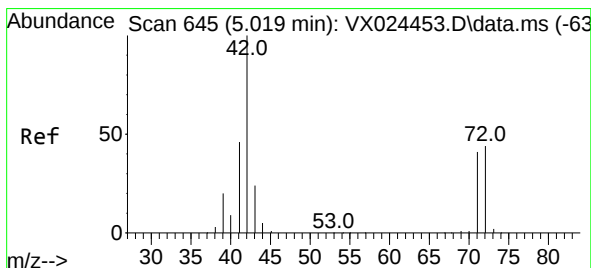
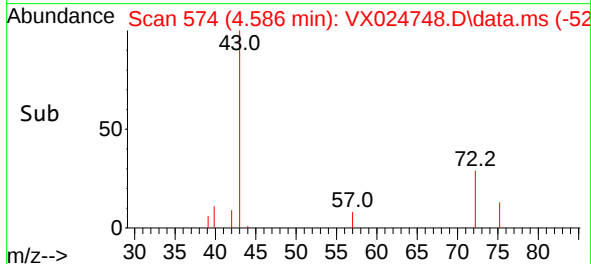
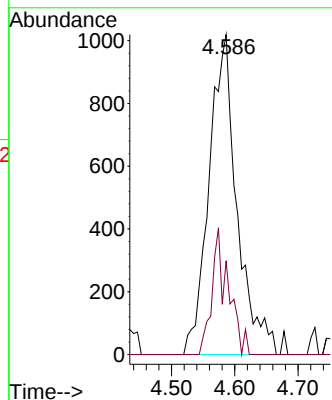
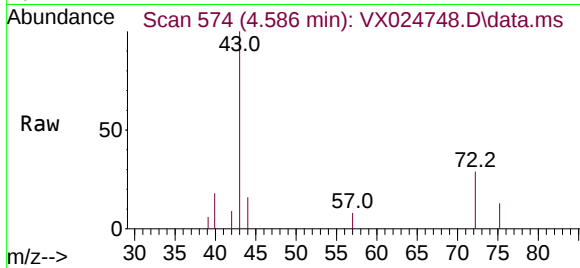




#25
2-Butanone
Concen: 2.480 ug/l
RT: 4.586 min Scan# 574
Delta R.T. 0.018 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

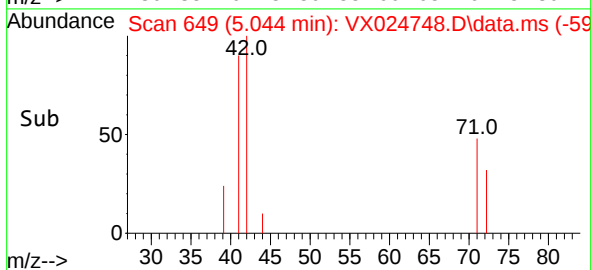
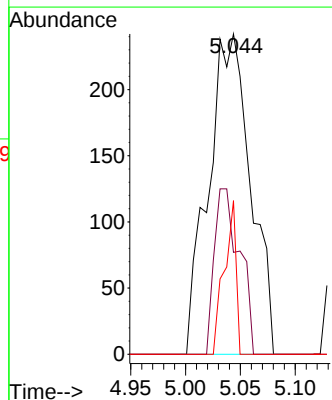
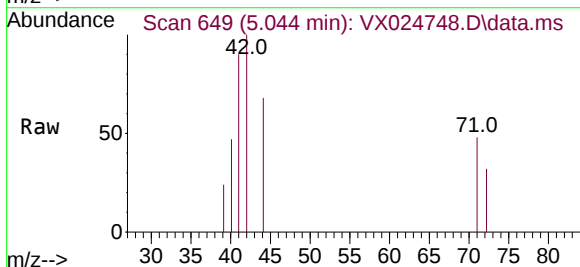
Instrument :
MSVOA_X
ClientSampled :

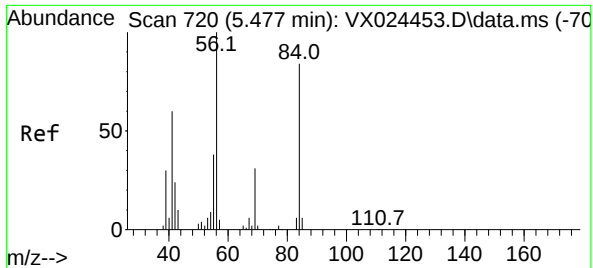
Tgt Ion: 43 Resp: 3140
Ion Ratio Lower Upper
43 100
72 29.3 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.803 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.025 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 42 Resp: 648
Ion Ratio Lower Upper
42 100
72 30.9 41.7 62.5#
71 13.4 38.4 57.6#

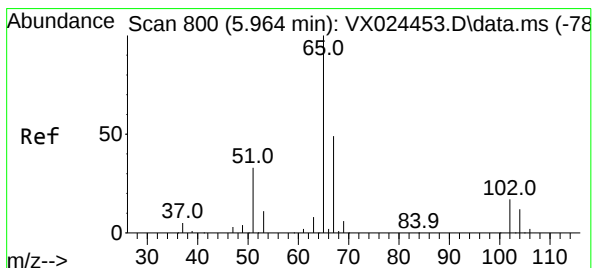
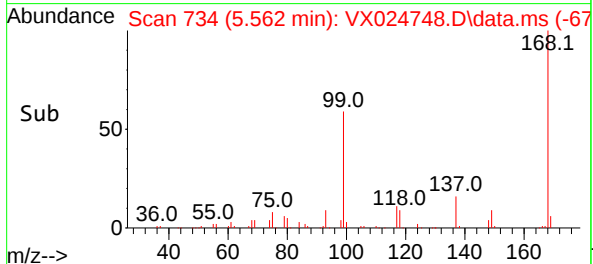
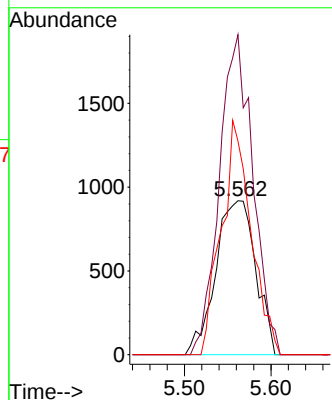
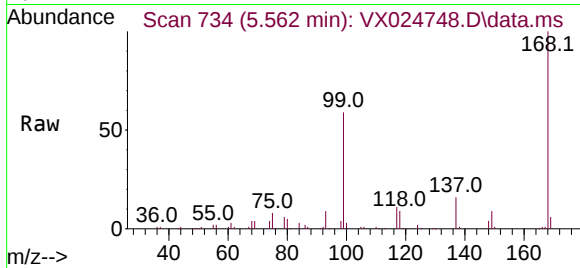




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

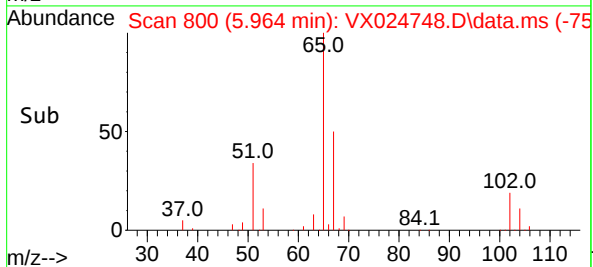
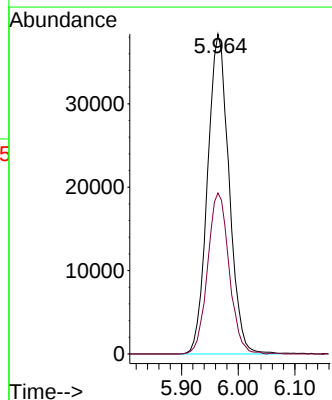
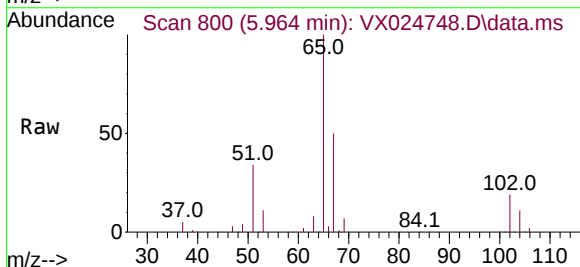
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ClientSampled :

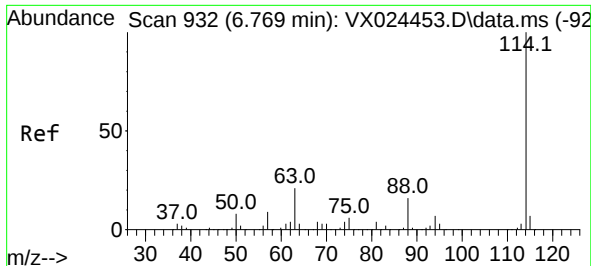
Tgt Ion: 56 Resp: 2952
Ion Ratio Lower Upper
56 100
69 207.8 25.3 37.9#
84 138.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.965 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 65 Resp: 101049
Ion Ratio Lower Upper
65 100
67 50.3 0.0 105.4

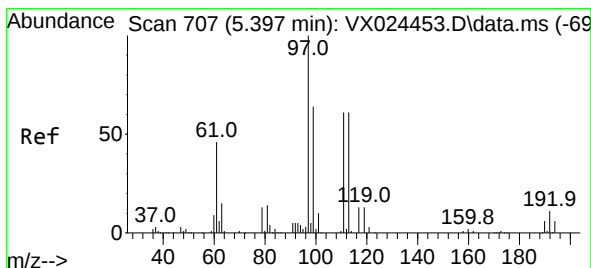
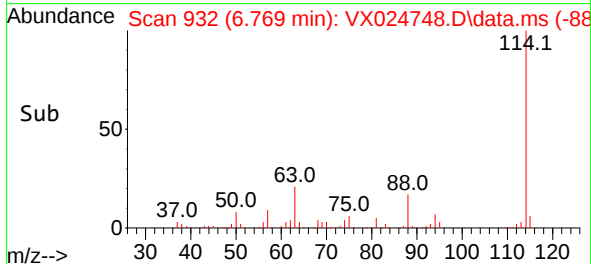
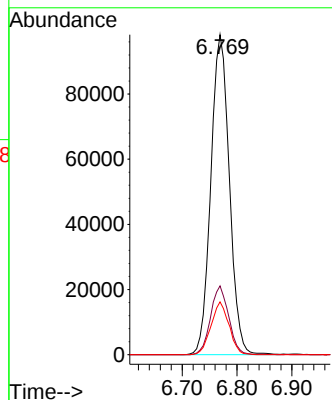
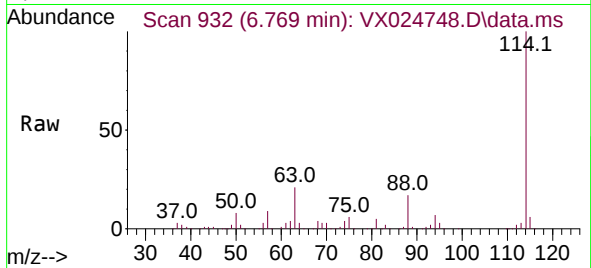




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

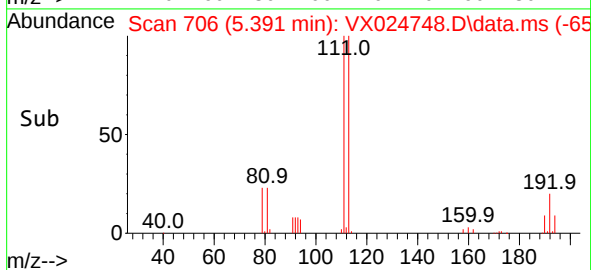
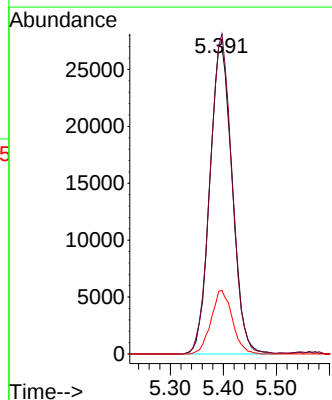
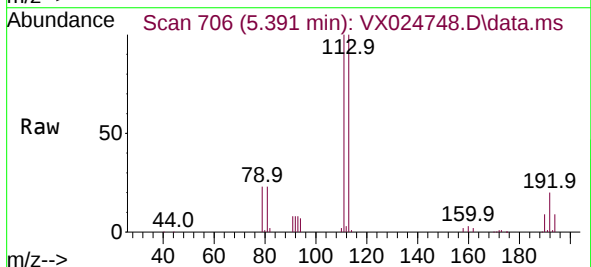
Instrument :
MSVOA_X
ClientSampleId :

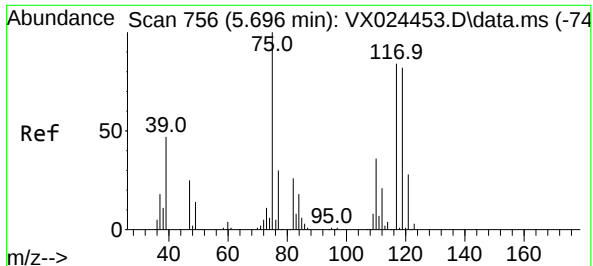
Tgt Ion:114 Resp: 230145
Ion Ratio Lower Upper
114 100
63 21.5 0.0 40.8
88 16.5 0.0 32.8



#35
Dibromofluoromethane
Concen: 52.258 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion:113 Resp: 79897
Ion Ratio Lower Upper
113 100
111 101.1 81.9 122.9
192 19.4 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.685 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024748.D

Acq: 12 Oct 2021 06:54

Tgt Ion: 75 Resp: 10337

Ion Ratio Lower Upper

75 100

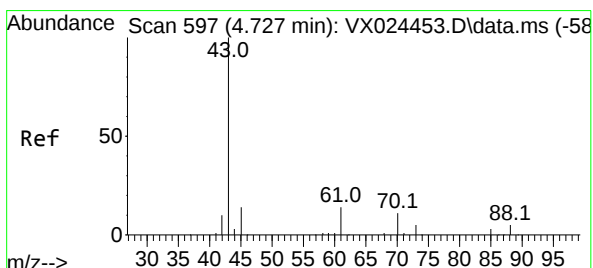
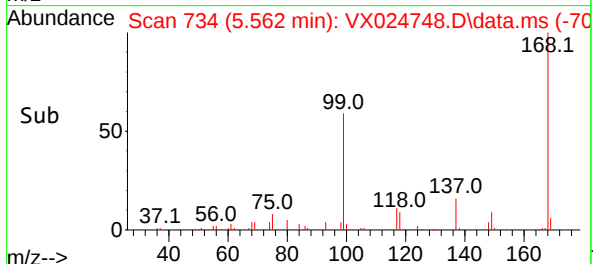
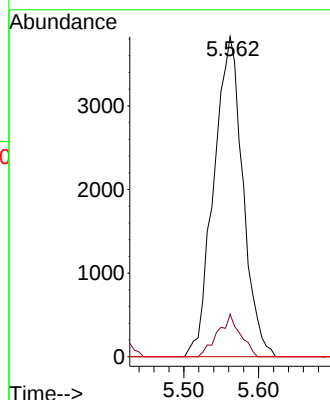
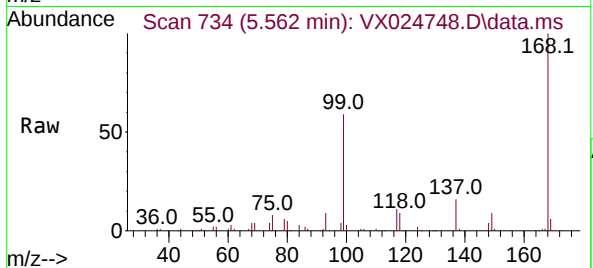
110 10.3 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#37

Ethyl Acetate

Concen: 1.140 ug/l

RT: 4.586 min Scan# 574

Delta R.T. -0.141 min

Lab File: VX024748.D

Acq: 12 Oct 2021 06:54

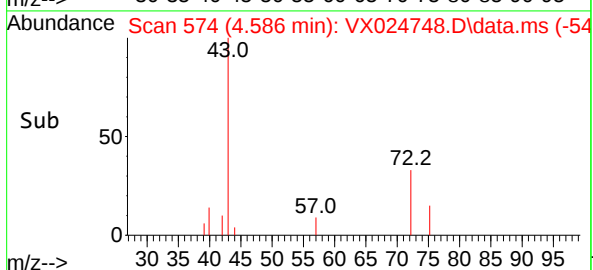
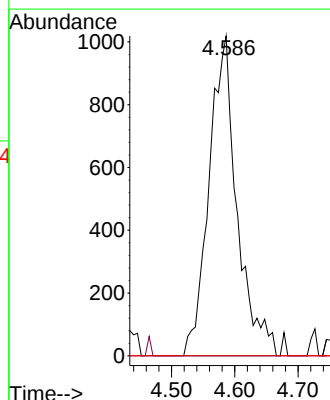
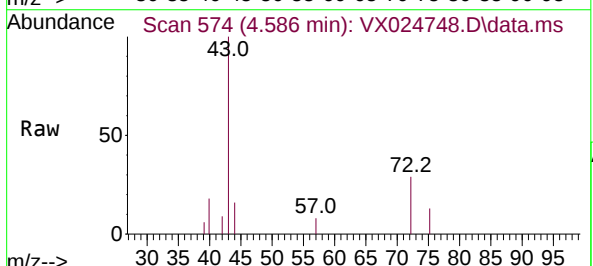
Tgt Ion: 43 Resp: 3140

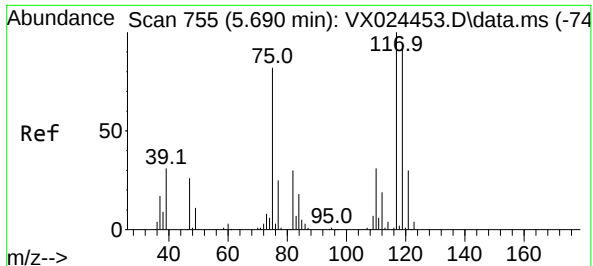
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

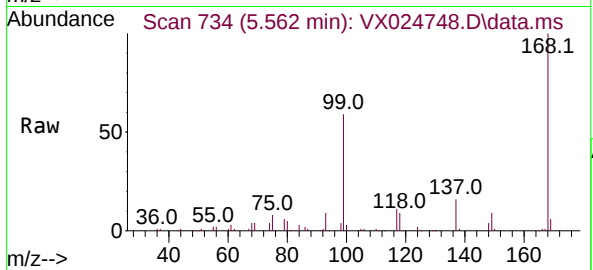
70 0.0 10.5 15.7#



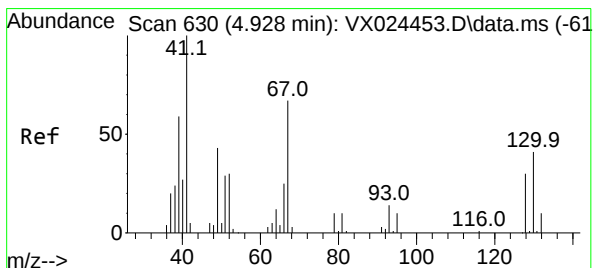
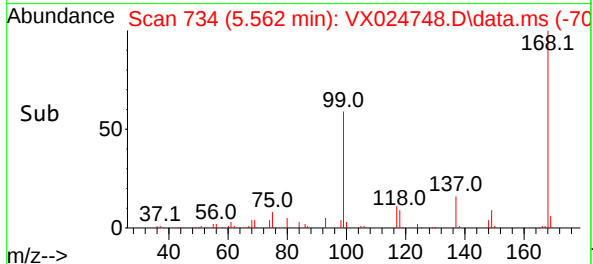
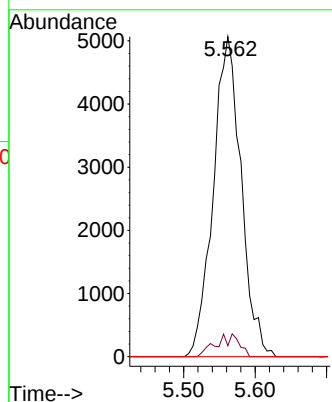


#38
Carbon Tetrachloride
Concen: 5.707 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Instrument :
MSVOA_X
ClientSampled :

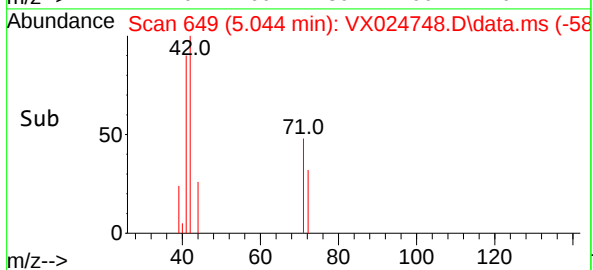
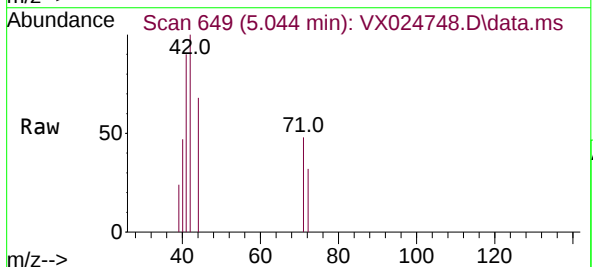
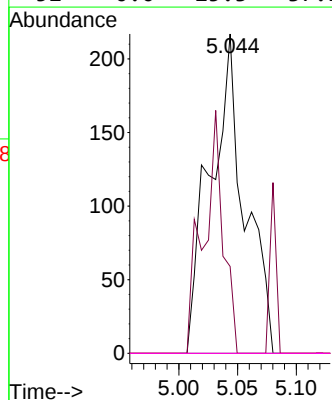


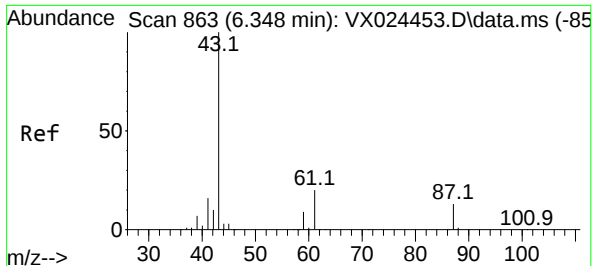
Tgt Ion:117 Resp: 13706
Ion Ratio Lower Upper
117 100
119 3.5 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.314 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.116 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 41 Resp: 446
Ion Ratio Lower Upper
41 100
39 43.3 42.5 63.7
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

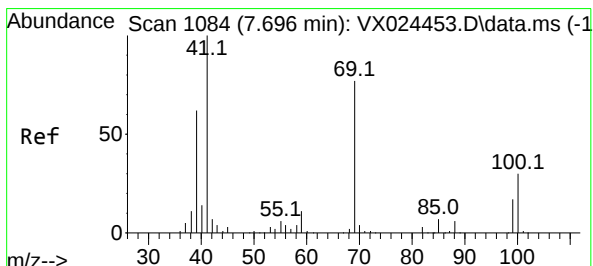
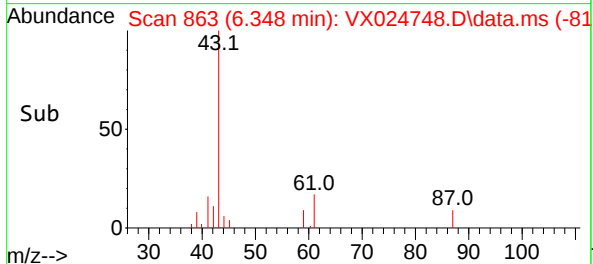
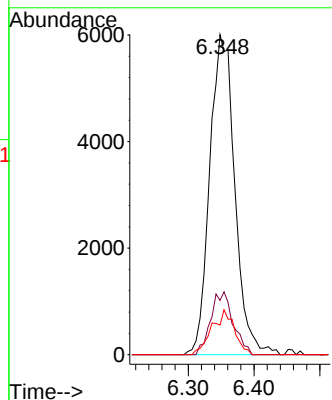
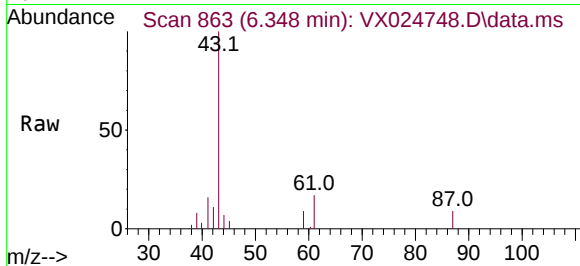




#43
Isopropyl Acetate
Concen: 3.803 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

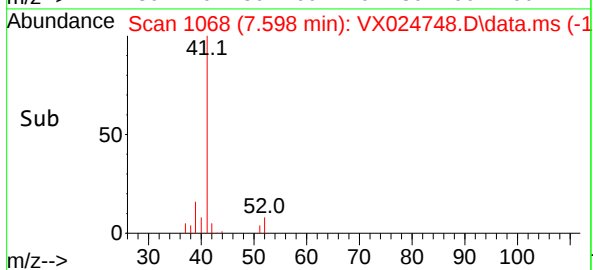
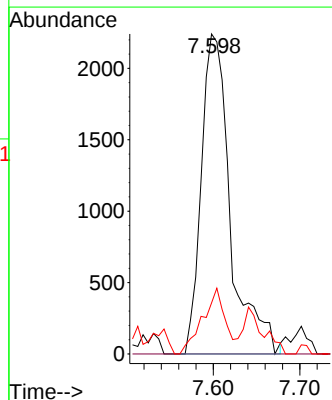
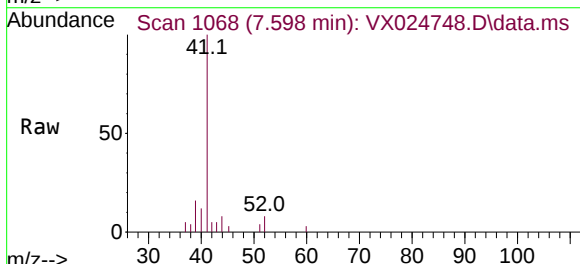
Instrument :
MSVOA_X
ClientSampled :

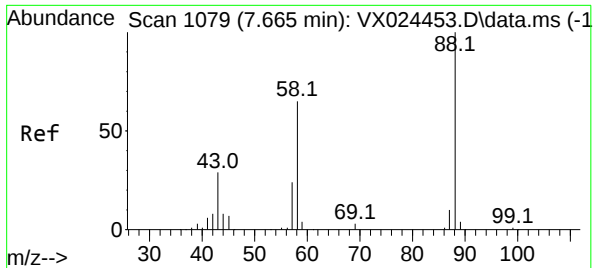
Tgt Ion: 43 Resp: 15924
Ion Ratio Lower Upper
43 100
61 17.6 18.2 27.4#
87 12.6 12.5 18.7



#48
Methyl methacrylate
Concen: 2.526 ug/l
RT: 7.598 min Scan# 1068
Delta R.T. -0.098 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 41 Resp: 5237
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#

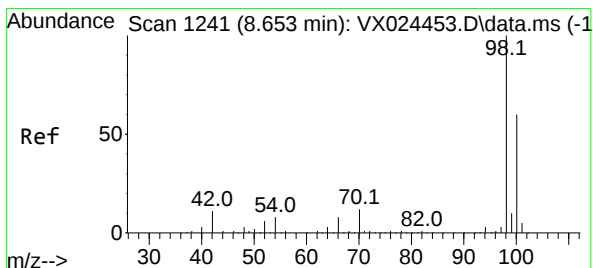
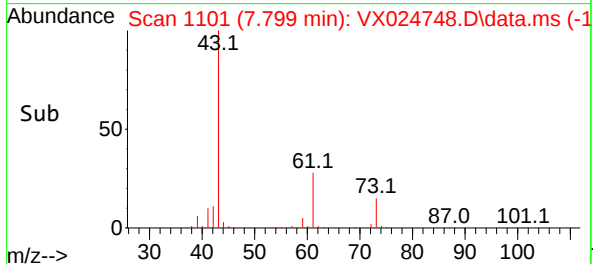
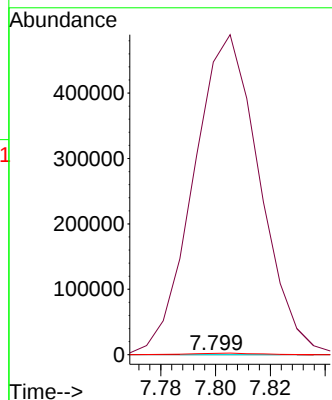
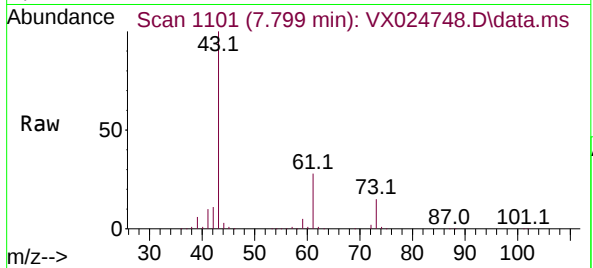




#49
1,4-Dioxane
Concen: 1.347 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.134 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

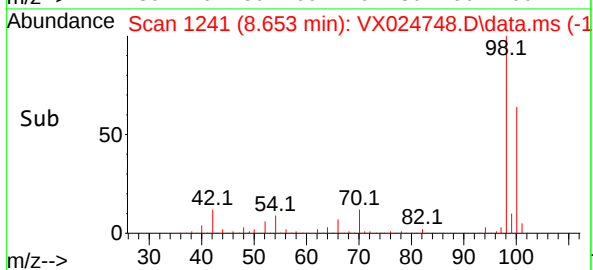
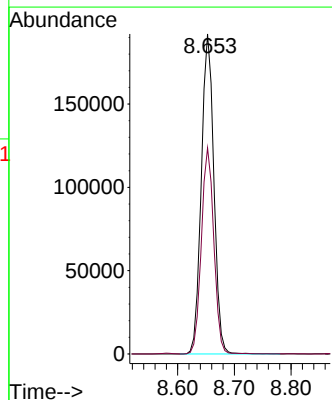
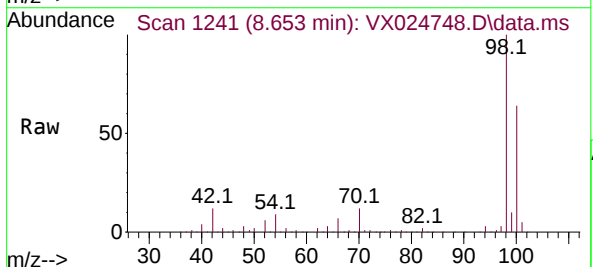
Instrument :
MSVOA_X
ClientSampled :

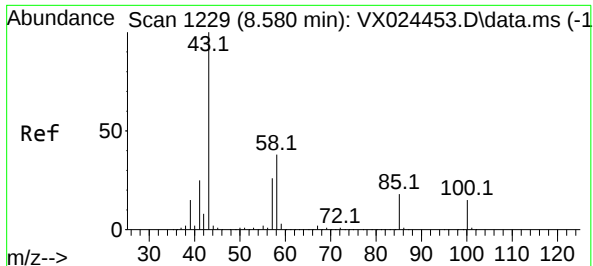
Tgt Ion: 88 Resp: 64
Ion Ratio Lower Upper
88 100
43 1294281.3 23.2 34.8#
58 6339.1 55.0 82.4#



#50
Toluene-d8
Concen: 52.410 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 98 Resp: 294924
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

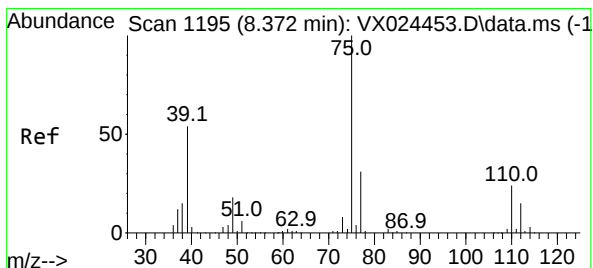
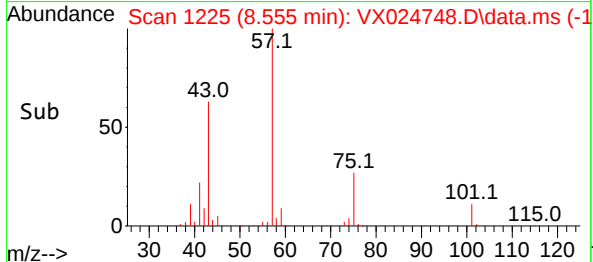
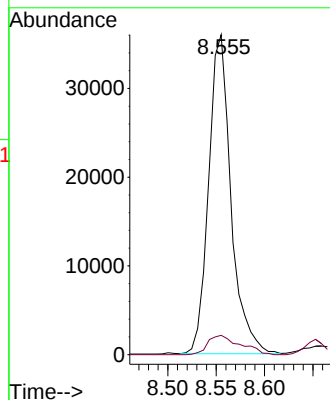
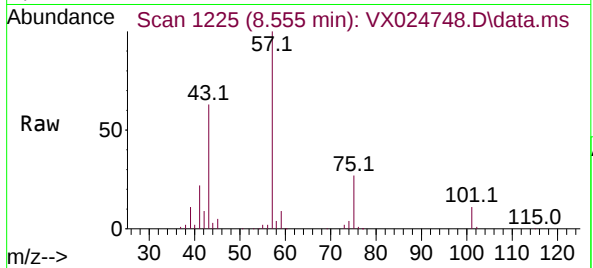




#51
4-Methyl-2-Pentanone
Concen: 20.908 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

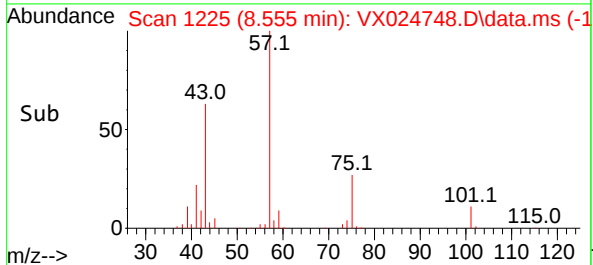
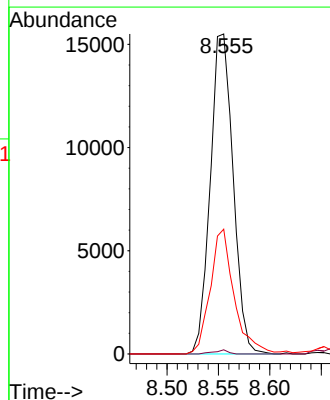
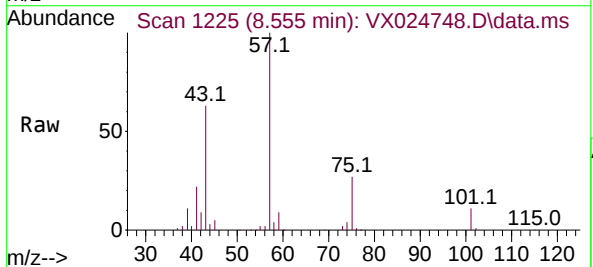
Instrument :
MSVOA_X
ClientSampled :

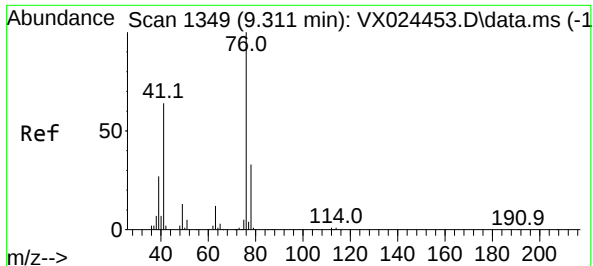
Tgt Ion: 43 Resp: 57803
Ion Ratio Lower Upper
43 100
58 8.8 35.4 53.0#



#54
cis-1,3-Dichloropropene
Concen: 9.311 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. 0.183 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 75 Resp: 24004
Ion Ratio Lower Upper
75 100
77 1.3 25.7 38.5#
39 39.0 35.1 52.7

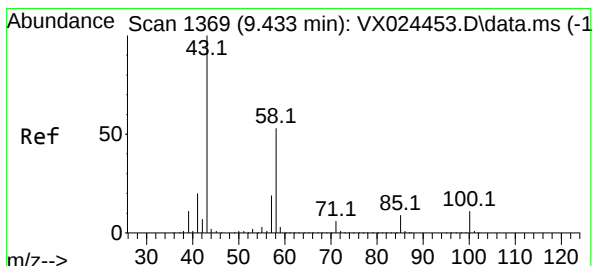
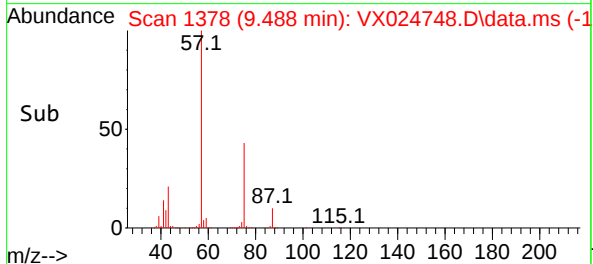
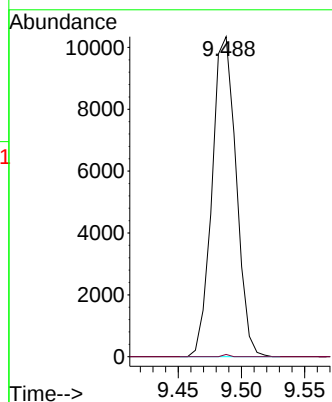
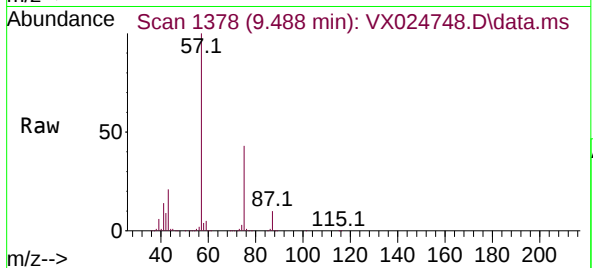




#57
1,3-Dichloropropane
Concen: 4.818 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.177 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

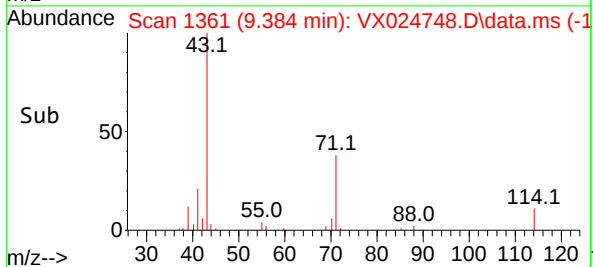
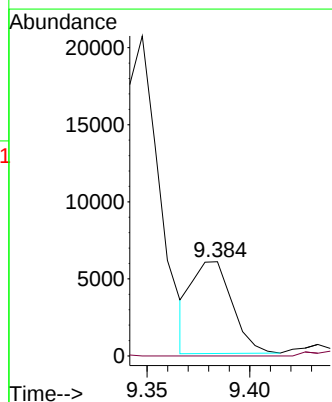
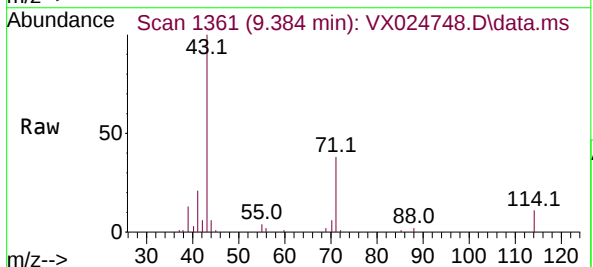
Instrument :
MSVOA_X
ClientSampled :

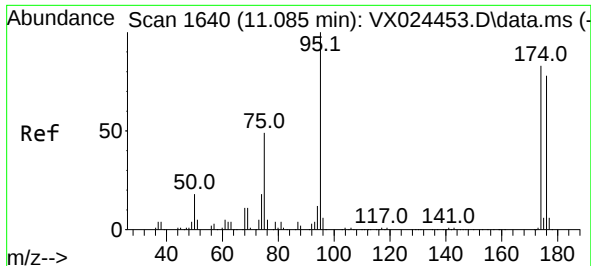
Tgt Ion: 76 Resp: 13699
Ion Ratio Lower Upper
76 100
78 0.2 26.2 39.2#



#59
2-Hexanone
Concen: 3.745 ug/l
RT: 9.384 min Scan# 1361
Delta R.T. -0.049 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 43 Resp: 8153
Ion Ratio Lower Upper
43 100
58 0.0 30.9 92.8#

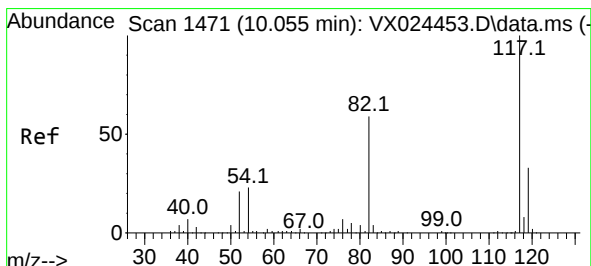
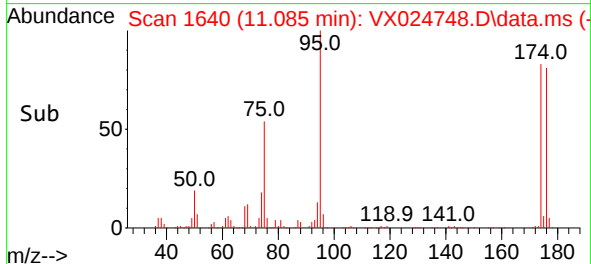
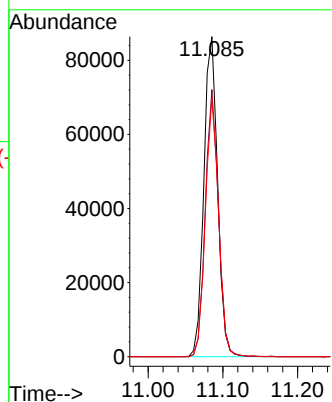
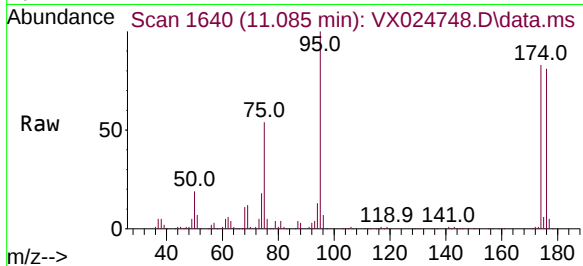




#62
4-Bromofluorobenzene
Concen: 49.838 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

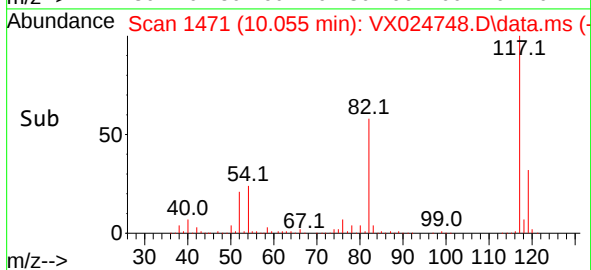
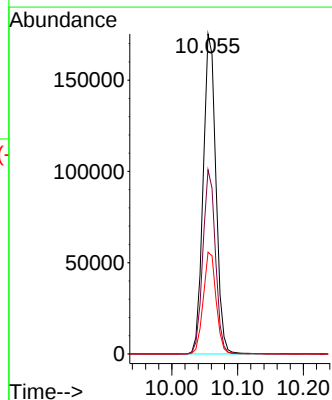
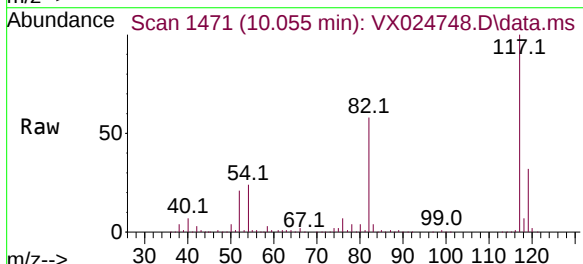
Instrument :
MSVOA_X
ClientSampled :

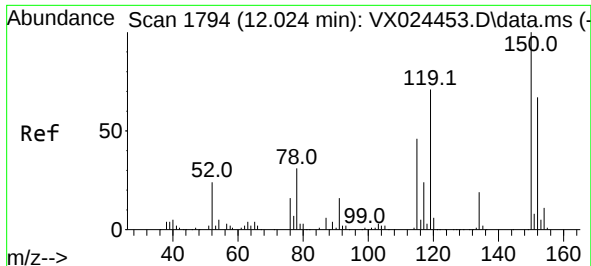
Tgt Ion: 95 Resp: 110268
Ion Ratio Lower Upper
95 100
174 79.7 0.0 154.6
176 77.9 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 117 Resp: 236083
Ion Ratio Lower Upper
117 100
82 57.5 47.4 71.2
119 31.8 26.6 39.8

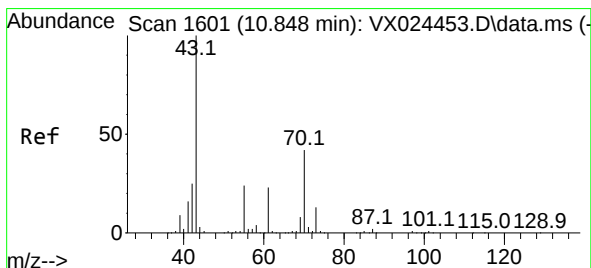
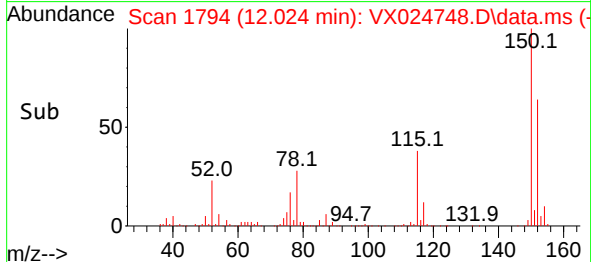
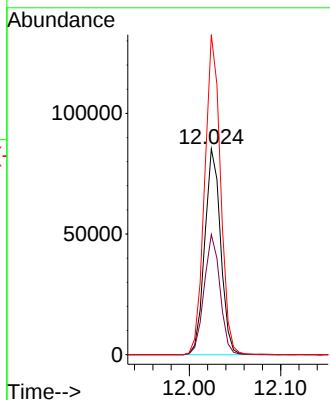
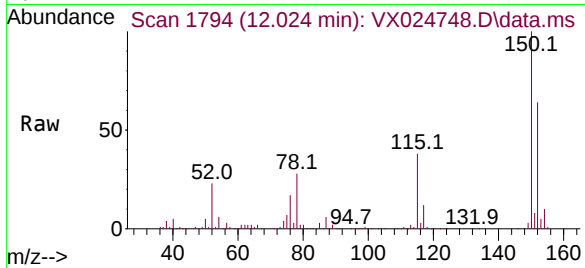




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

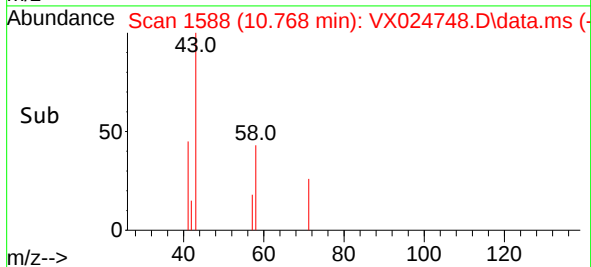
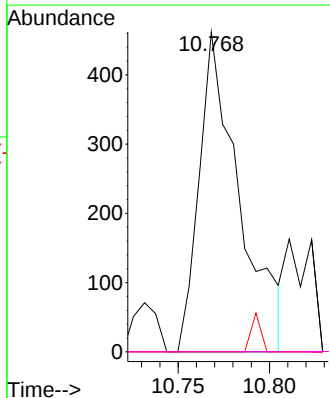
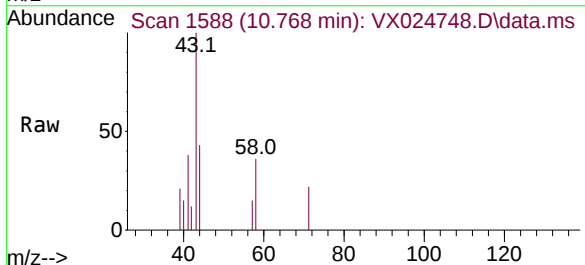
Instrument :
MSVOA_X
ClientSampled :

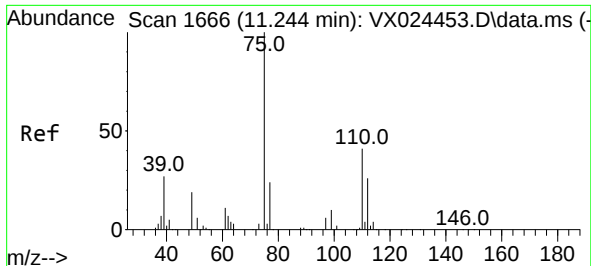
Tgt Ion:152 Resp: 102632
Ion Ratio Lower Upper
152 100
115 58.4 41.1 123.3
150 154.7 0.0 349.0



#74
N-ethyl acetate
Concen: 0.212 ug/l
RT: 10.768 min Scan# 1588
Delta R.T. -0.080 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

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#

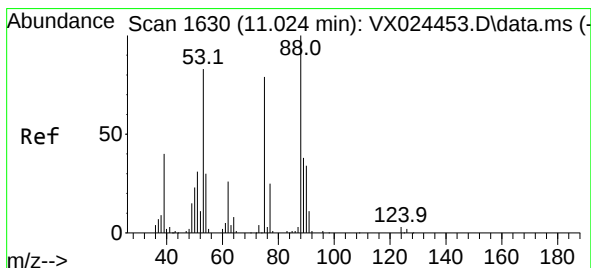
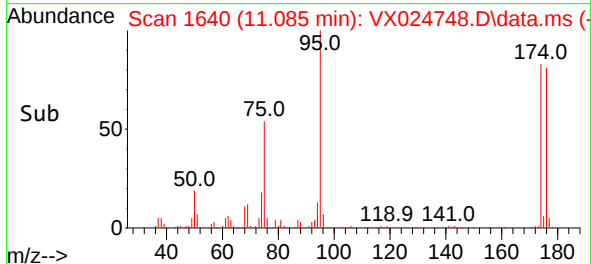
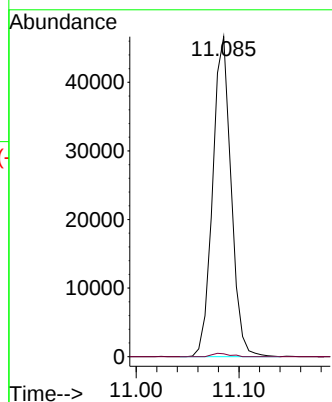
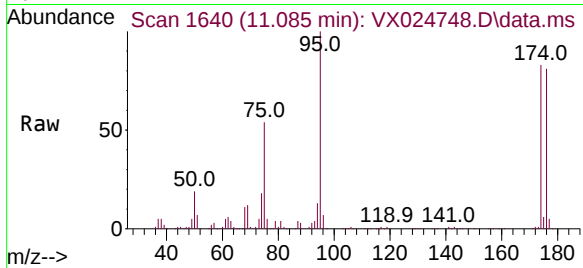




#76
1,2,3-Trichloropropane
Concen: 24.983 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 58227
Ion Ratio Lower Upper
75 100
77 1.0 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.128 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX024748.D
Acq: 12 Oct 2021 06:54

Tgt Ion: 75 Resp: 58227
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#

