

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX100821\
 Data File : VX024704.D
 Acq On : 09 Oct 2021 05:40
 Operator : JC/MD
 Sample : M4145-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 44 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Oct 11 06:41:06 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)

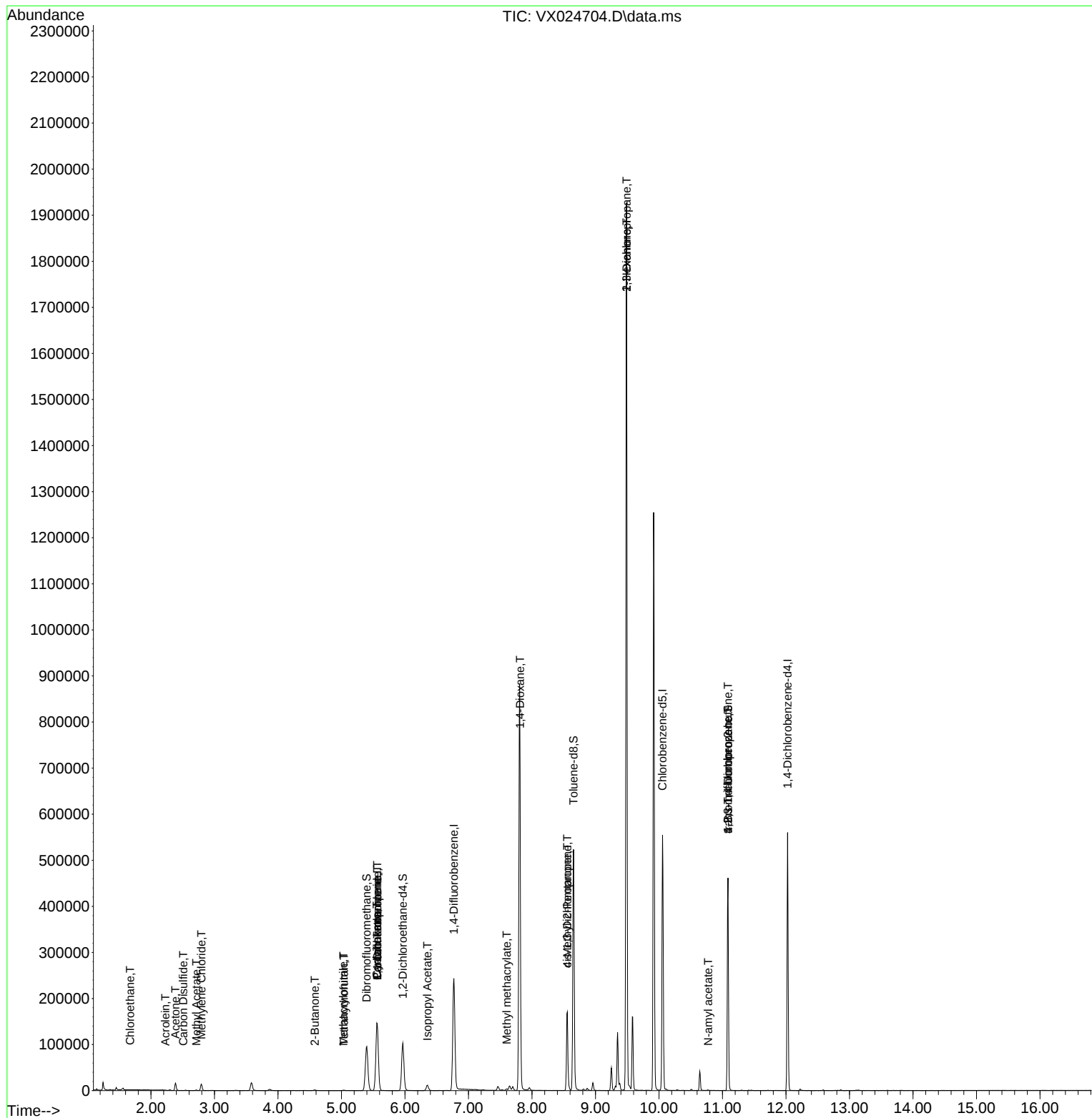
Internal Standards						
1) Pentafluorobenzene	5.562	168	134154	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	236775	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	243116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102520	54.222	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.440%			
35) Dibromofluoromethane	5.397	113	80840	51.394	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.780%			
50) Toluene-d8	8.653	98	299193	51.680	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.360%			
62) 4-Bromofluorobenzene	11.085	95	115693	50.826	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.660%			
Target Compounds						Qvalue
6) Chloroethane	1.673	64	96	0.366	ug/l #	43
11) Tert butyl alcohol	2.971	59	333	Below Cal	#	73
13) Acrolein	2.227	56	21	10.255	ug/l #	14
16) Acetone	2.386	43	16540	11.040	ug/l	90
17) Carbon Disulfide	2.508	76	158	0.277	ug/l #	75
18) Methyl Acetate	2.715	43	1464	0.517	ug/l #	85
20) Methylene Chloride	2.794	84	6017	3.182	ug/l	86
25) 2-Butanone	4.581	43	2378	1.826	ug/l	92
29) Tetrahydrofuran	5.038	42	647	0.780	ug/l #	66
31) Cyclohexane	5.556	56	2944	1.300	ug/l #	18
36) 1,1-Dichloropropene	5.562	75	10596	4.668	ug/l #	49
38) Carbon Tetrachloride	5.562	117	13922	5.635	ug/l #	19
41) Methacrylonitrile	5.032	41	330	0.225	ug/l #	36
43) Isopropyl Acetate	6.355	43	15717	3.648	ug/l #	92
48) Methyl methacrylate	7.604	41	4972	2.331	ug/l #	10
49) 1,4-Dioxane	7.812	88	173	3.540	ug/l #	1
51) 4-Methyl-2-Pentanone	8.555	43	62040	21.812	ug/l #	44
54) cis-1,3-Dichloropropene	8.555	75	25971	9.792	ug/l #	67
57) 1,3-Dichloropropane	9.488	76	15610	5.336	ug/l #	42
59) 2-Hexanone	9.488	43	226643	101.183	ug/l #	43
74) N-amyl acetate	10.775	43	908	0.262	ug/l #	45
76) 1,2,3-Trichloropropane	11.085	75	62306	25.789	ug/l #	39
81) trans-1,4-Dichloro-2-b...	11.085	75	62306	70.264	ug/l #	12

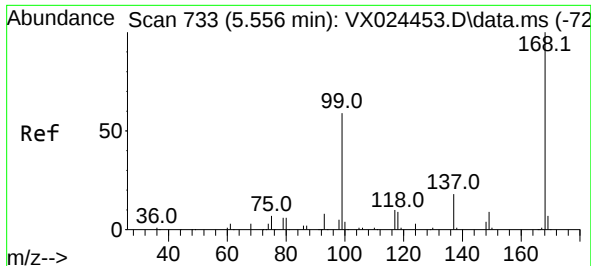
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 11 06:41:06 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

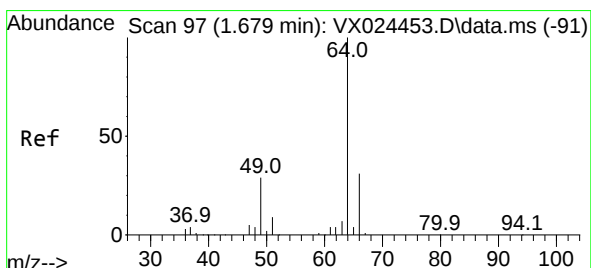
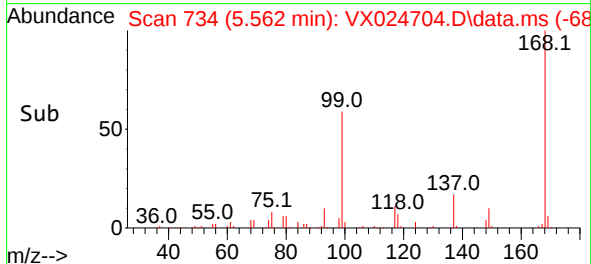
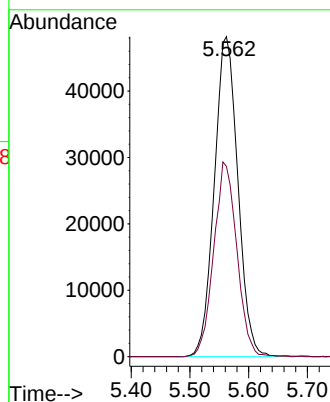
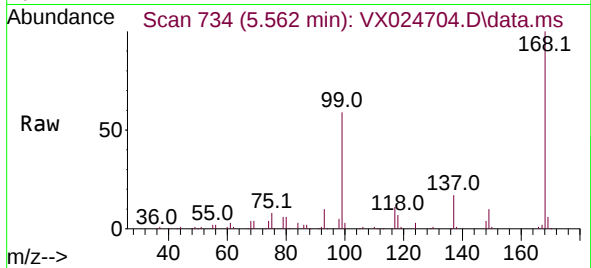




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

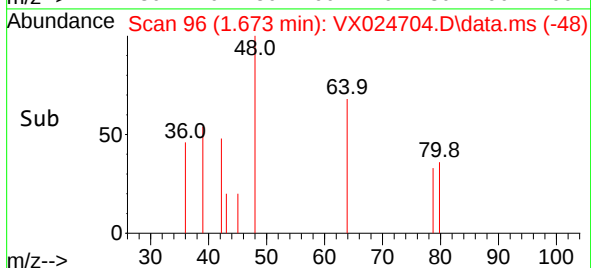
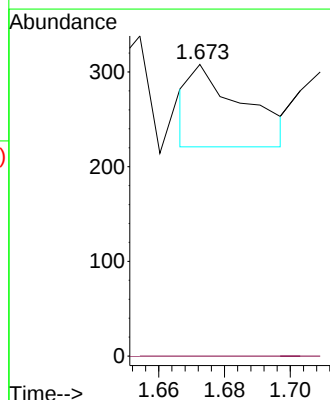
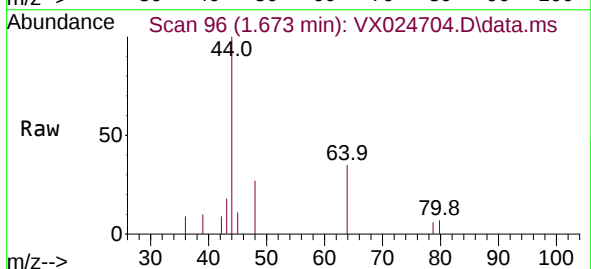
Instrument :
MSVOA_X
ClientSampled :

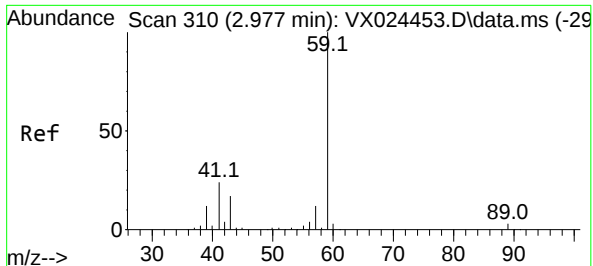
Tgt Ion:168 Resp: 134154
Ion Ratio Lower Upper
168 100
99 59.4 45.8 68.6



#6
Chloroethane
Concen: 0.366 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 64 Resp: 96
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

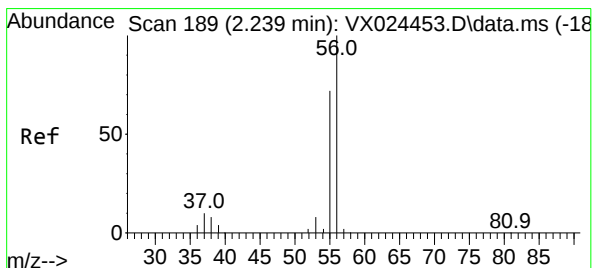
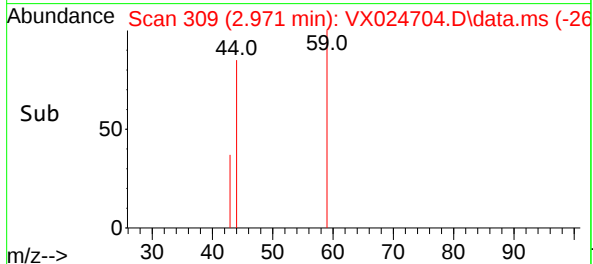
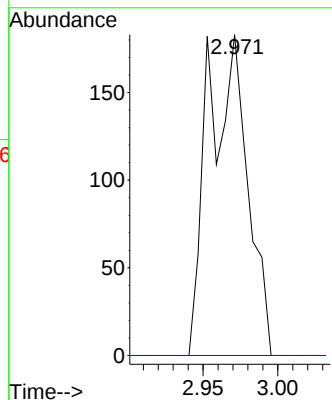
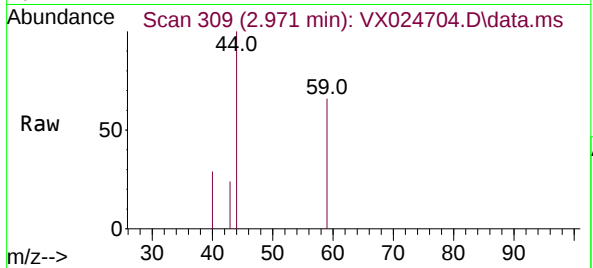




#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

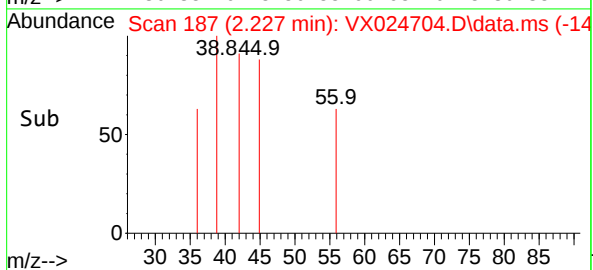
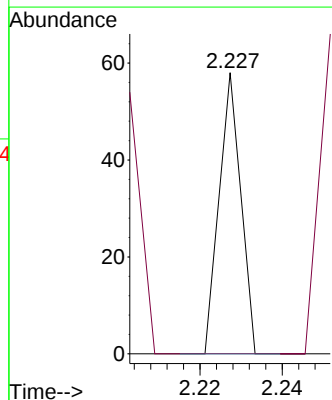
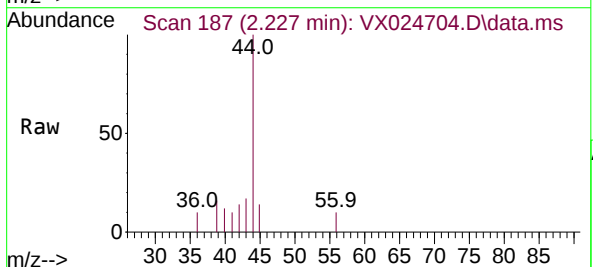
Instrument :
MSVOA_X
ClientSampled :

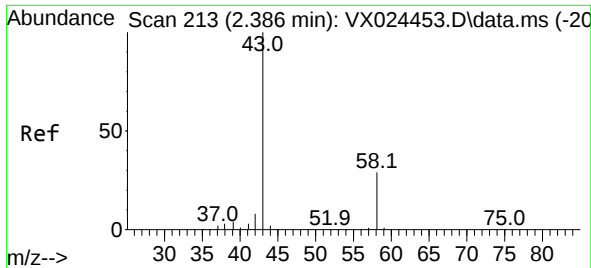
Tgt Ion: 59 Resp: 333
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 10.255 ug/l
RT: 2.227 min Scan# 187
Delta R.T. -0.012 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 0.0 56.4 84.6#

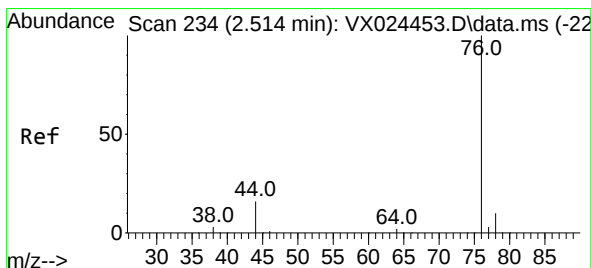
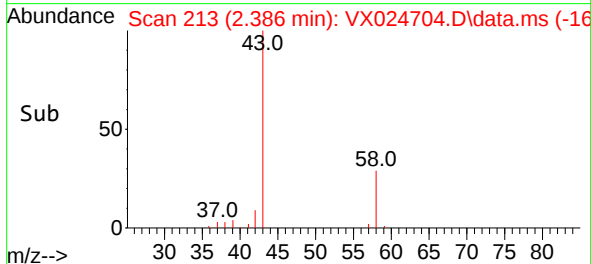
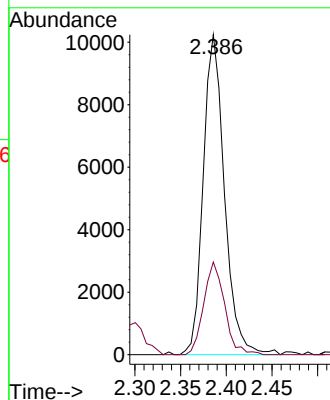
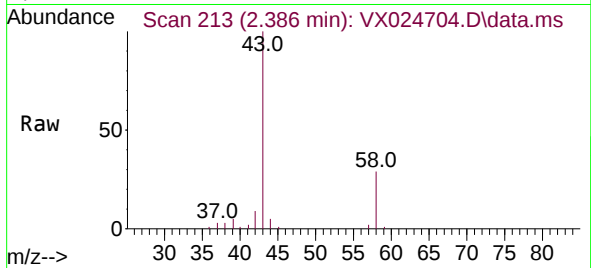




#16
Acetone
Concen: 11.040 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

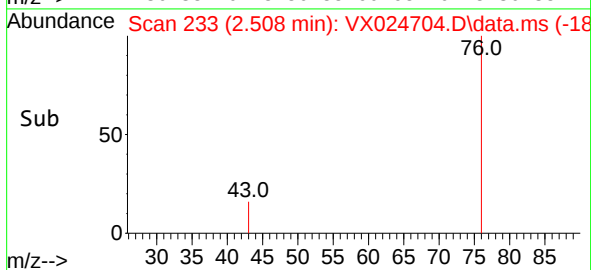
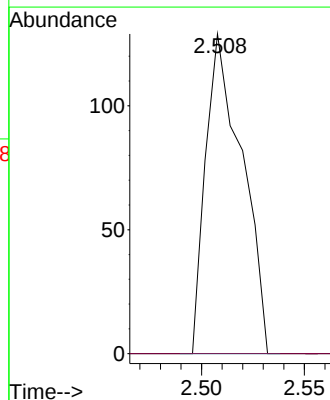
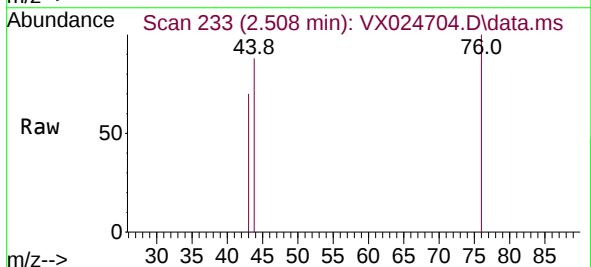
Instrument :
MSVOA_X
ClientSampled :

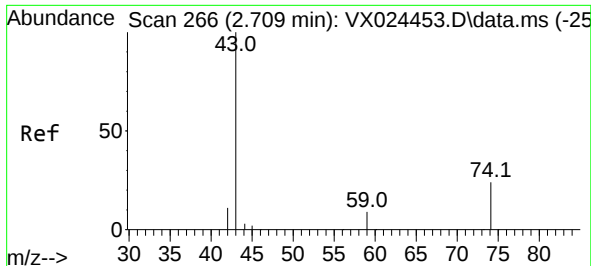
Tgt Ion: 43 Resp: 16540
Ion Ratio Lower Upper
43 100
58 29.0 27.8 41.8



#17
Carbon Disulfide
Concen: 0.277 ug/l
RT: 2.508 min Scan# 233
Delta R.T. -0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 76 Resp: 158
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

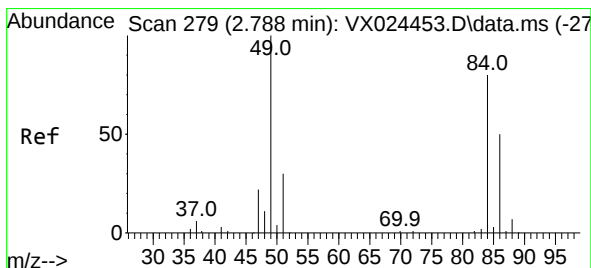
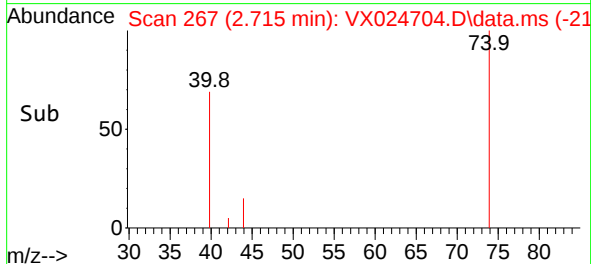
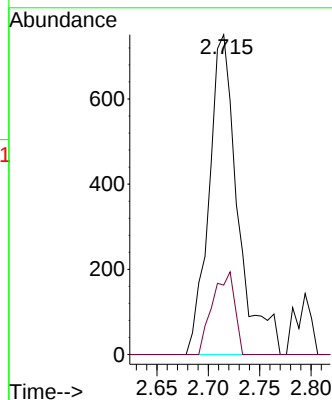
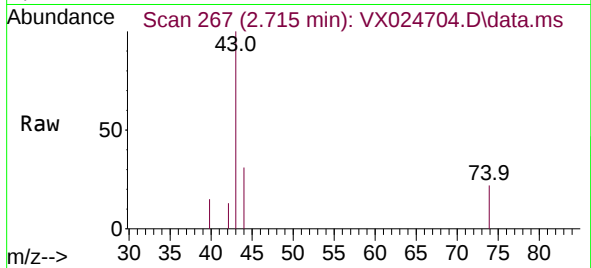




#18
Methyl Acetate
Concen: 0.517 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

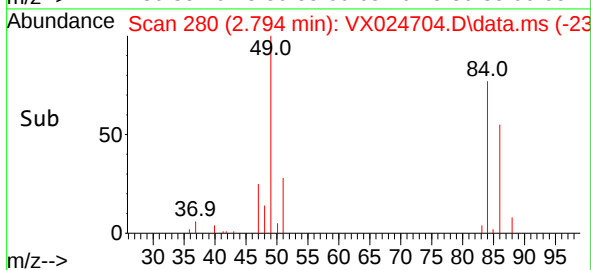
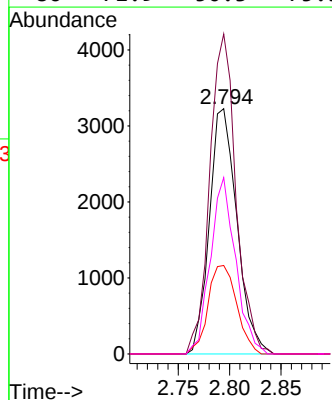
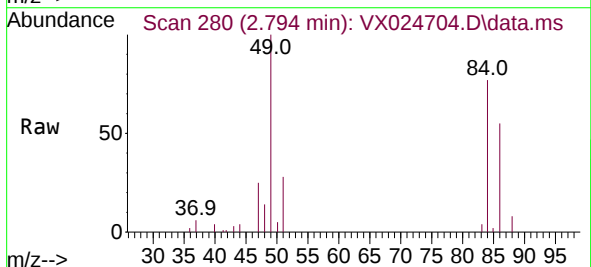
Instrument :
MSVOA_X
ClientSampled :

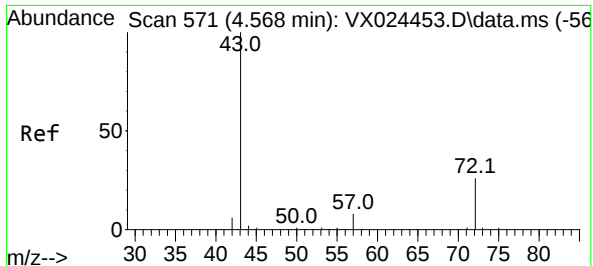
Tgt Ion: 43 Resp: 1464
Ion Ratio Lower Upper
43 100
74 19.8 21.9 32.9#



#20
Methylene Chloride
Concen: 3.182 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 84 Resp: 6017
Ion Ratio Lower Upper
84 100
49 130.5 88.6 132.8
51 36.1 27.0 40.6
86 71.9 50.3 75.5

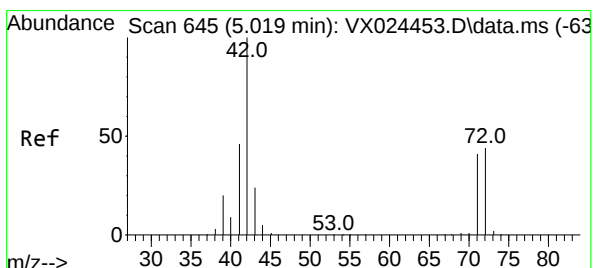
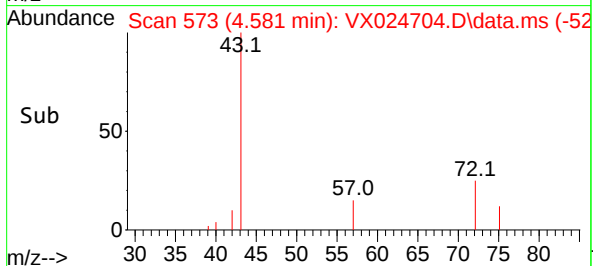
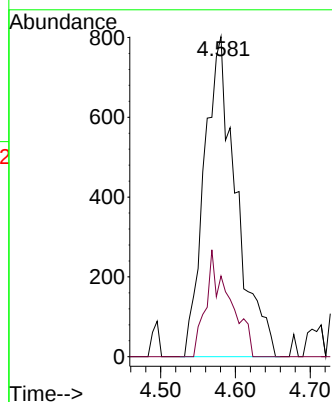
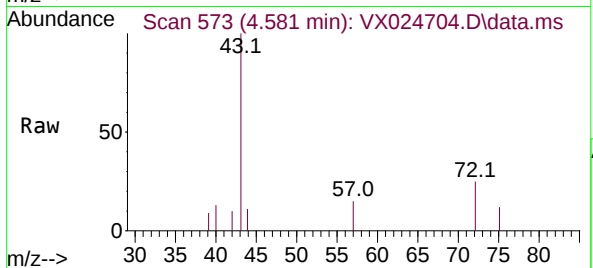




#25
2-Butanone
Concen: 1.826 ug/l
RT: 4.581 min Scan# 573
Delta R.T. 0.013 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

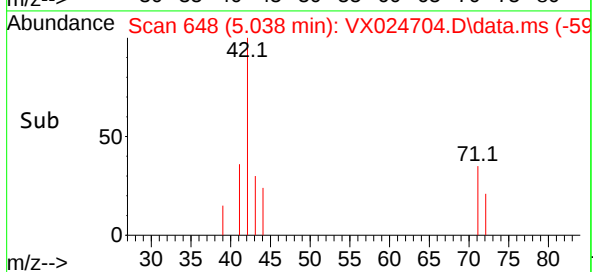
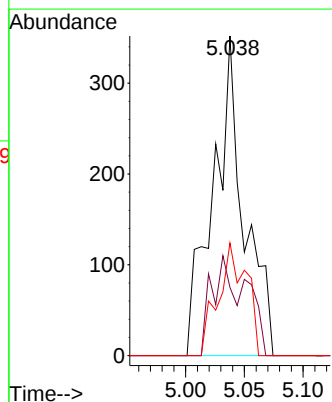
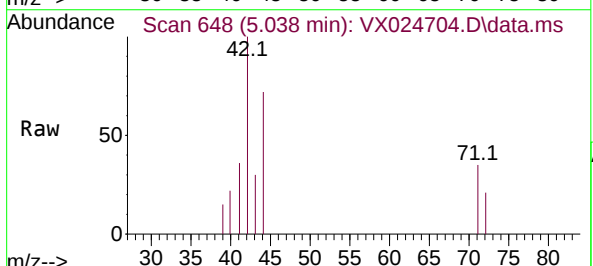
Instrument :
MSVOA_X
ClientSampled :

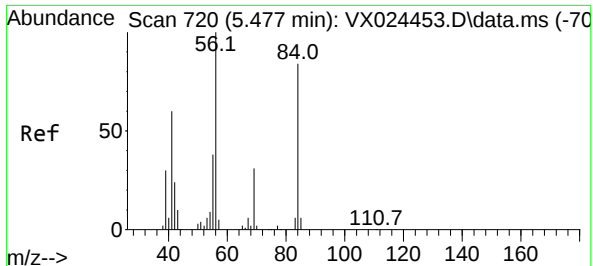
Tgt Ion: 43 Resp: 2378
Ion Ratio Lower Upper
43 100
72 25.2 23.7 35.5



#29
Tetrahydrofuran
Concen: 0.780 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 42 Resp: 647
Ion Ratio Lower Upper
42 100
72 21.8 41.7 62.5#
71 31.8 38.4 57.6#

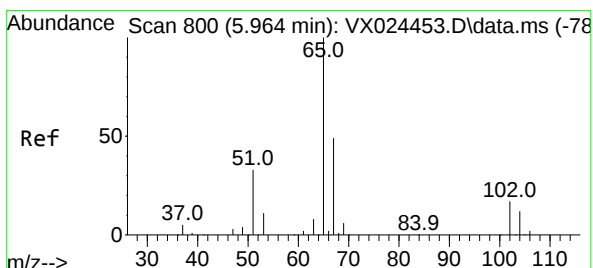
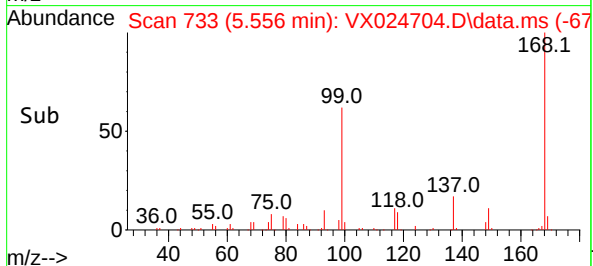
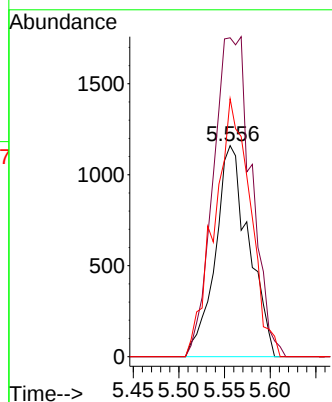
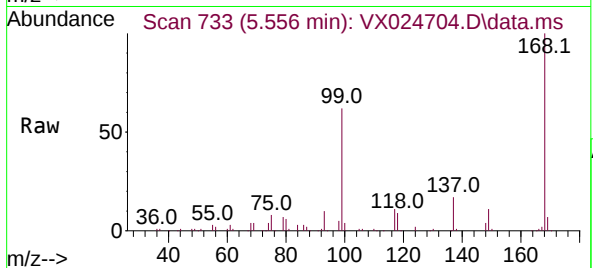




#31
Cyclohexane
Concen: 1.300 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

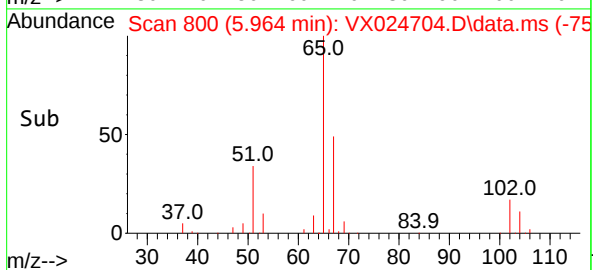
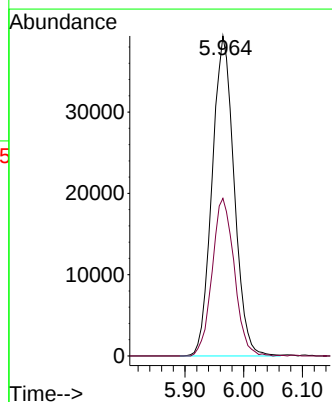
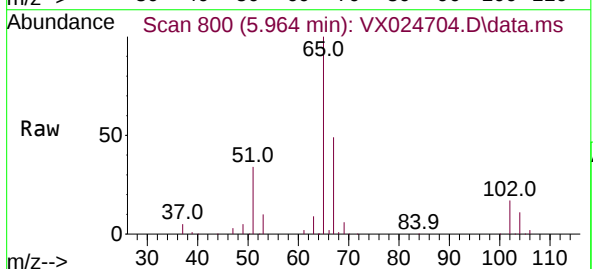
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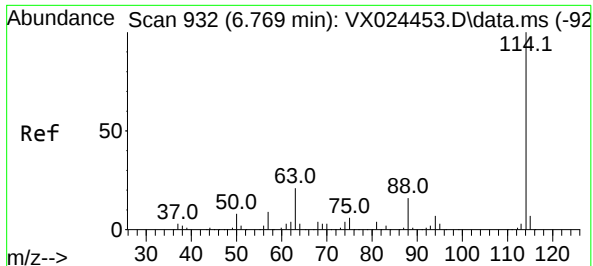
Tgt Ion: 56 Resp: 2944
Ion Ratio Lower Upper
56 100
69 151.1 25.3 37.9#
84 122.2 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 54.222 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 65 Resp: 102520
Ion Ratio Lower Upper
65 100
67 49.4 0.0 105.4

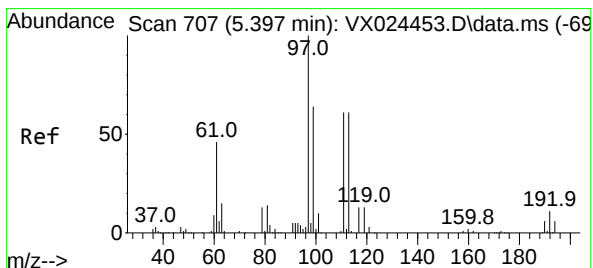
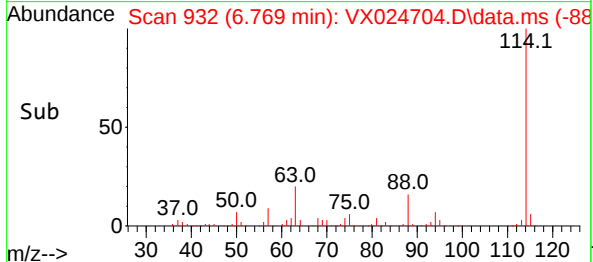
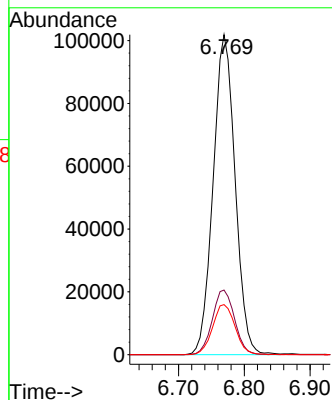
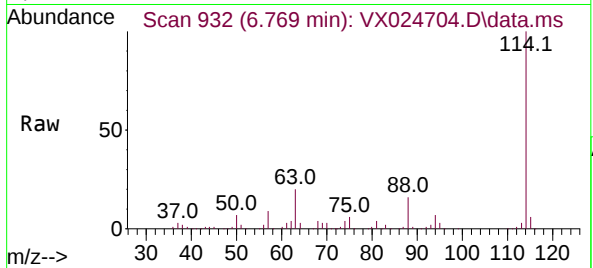




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

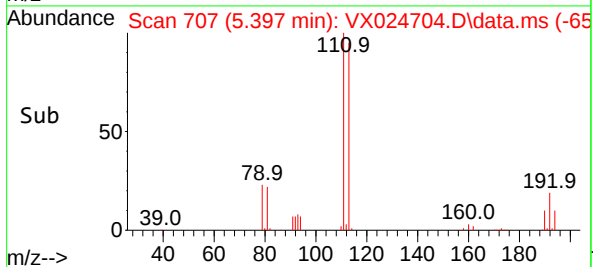
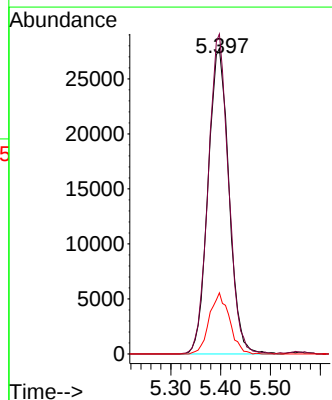
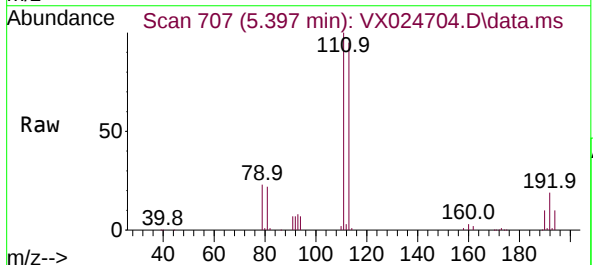
Instrument :
MSVOA_X
ClientSampled :

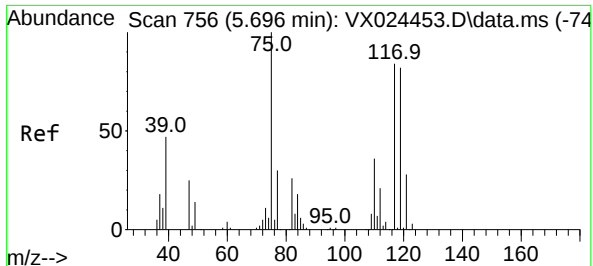
Tgt Ion:114 Resp: 236775
Ion Ratio Lower Upper
114 100
63 20.2 0.0 40.8
88 15.6 0.0 32.8



#35
Dibromofluoromethane
Concen: 51.394 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion:113 Resp: 80840
Ion Ratio Lower Upper
113 100
111 101.9 81.9 122.9
192 19.3 16.7 25.1





#36

1,1-Dichloropropene

Concen: 4.668 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.134 min

Lab File: VX024704.D

Acq: 09 Oct 2021 05:40

Tgt Ion: 75 Resp: 10596

Ion Ratio Lower Upper

75 100

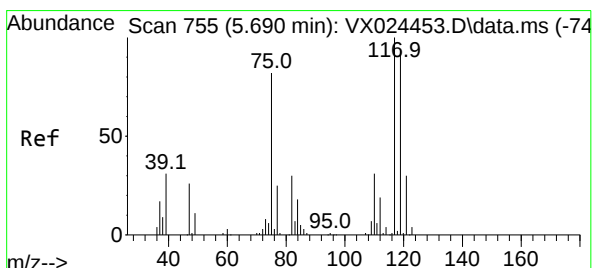
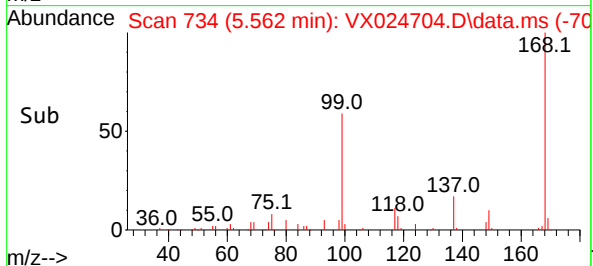
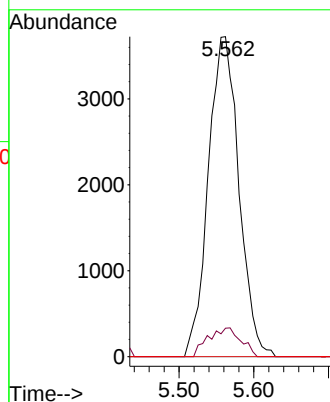
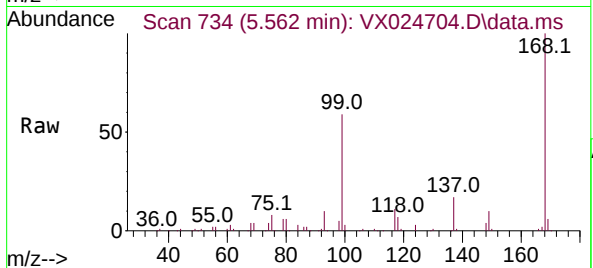
110 9.6 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#38

Carbon Tetrachloride

Concen: 5.635 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.128 min

Lab File: VX024704.D

Acq: 09 Oct 2021 05:40

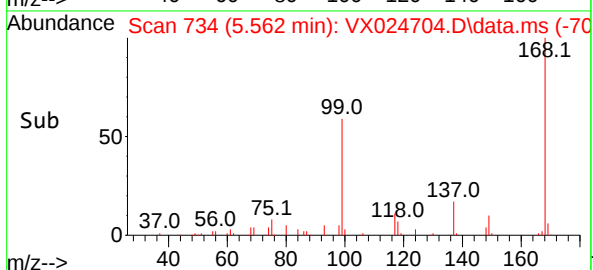
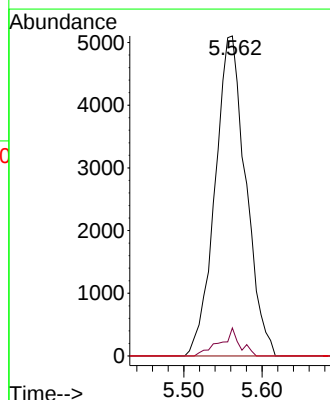
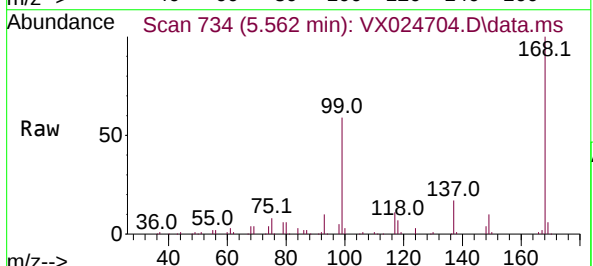
Tgt Ion: 117 Resp: 13922

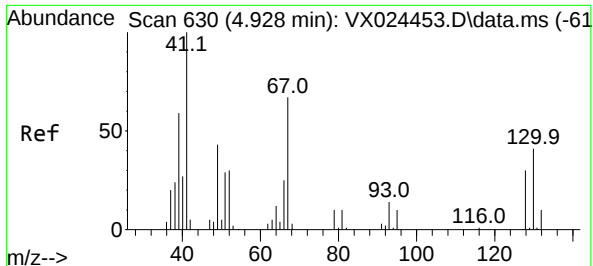
Ion Ratio Lower Upper

117 100

119 8.8 76.2 114.2#

121 0.0 24.8 37.2#

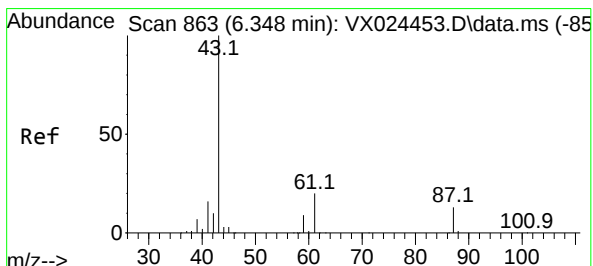
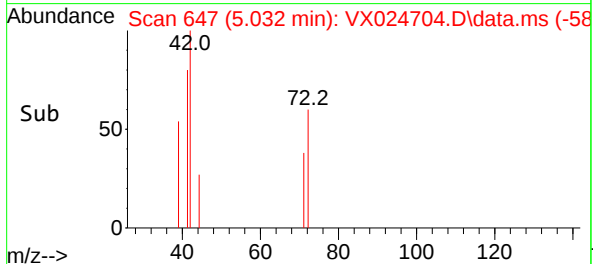
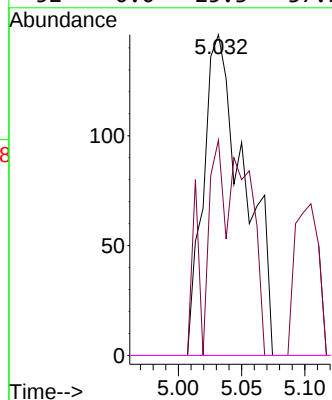
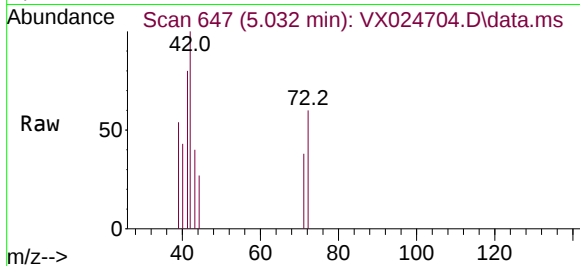




#41
Methacrylonitrile
Concen: 0.225 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

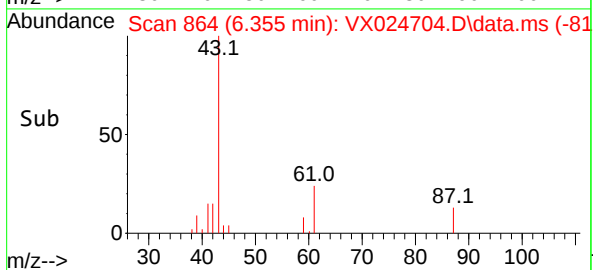
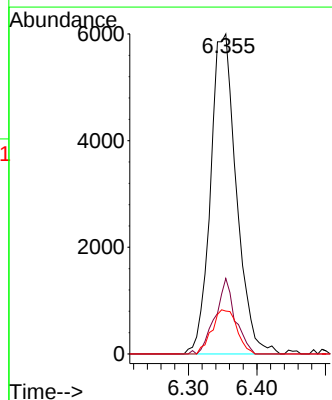
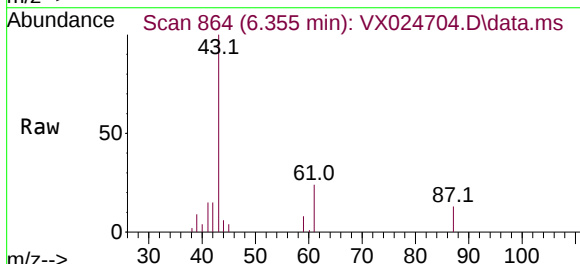
Instrument :
MSVOA_X
ClientSampled :

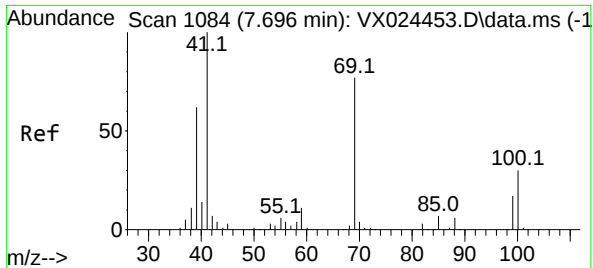
Tgt Ion:	41	Resp:	330
Ion	Ratio	Lower	Upper
41	100		
39	34.8	42.5	63.7#
67	0.0	65.0	97.6#
52	0.0	25.3	37.9#



#43
Isopropyl Acetate
Concen: 3.648 ug/l
RT: 6.355 min Scan# 864
Delta R.T. 0.007 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion:	43	Resp:	15717
Ion	Ratio	Lower	Upper
43	100		
61	18.1	18.2	27.4#
87	13.3	12.5	18.7

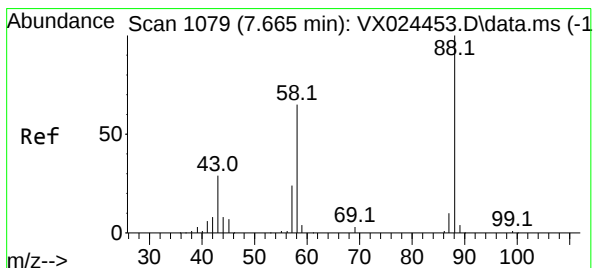
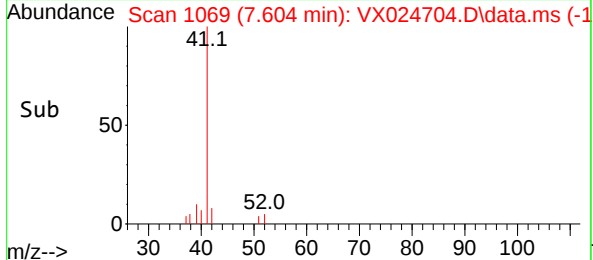
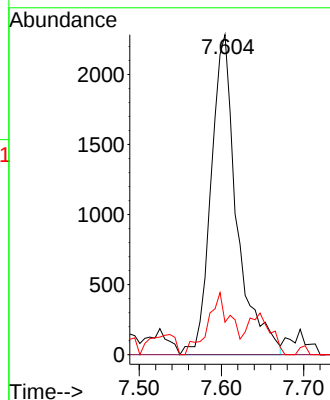
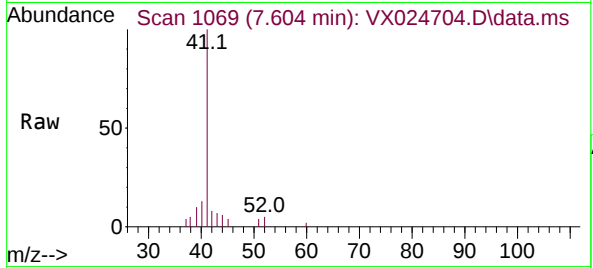




#48
Methyl methacrylate
Concen: 2.331 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.092 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

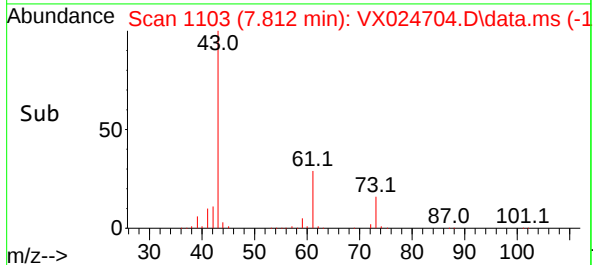
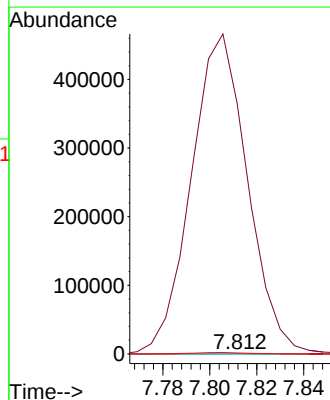
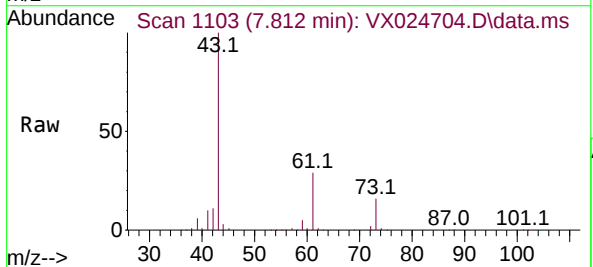
Instrument :
MSVOA_X
ClientSampled :

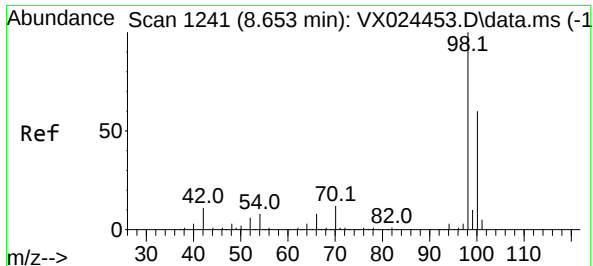
Tgt Ion: 41 Resp: 4972
Ion Ratio Lower Upper
41 100
69 0.0 76.0 114.0#
39 0.0 44.6 67.0#



#49
1,4-Dioxane
Concen: 3.540 ug/l
RT: 7.812 min Scan# 1103
Delta R.T. 0.147 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 88 Resp: 173
Ion Ratio Lower Upper
88 100
43 453083.2 23.2 34.8#
58 1984.4 55.0 82.4#

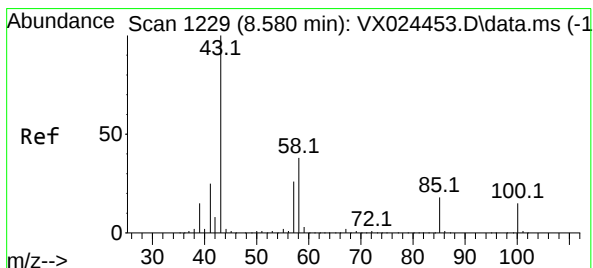
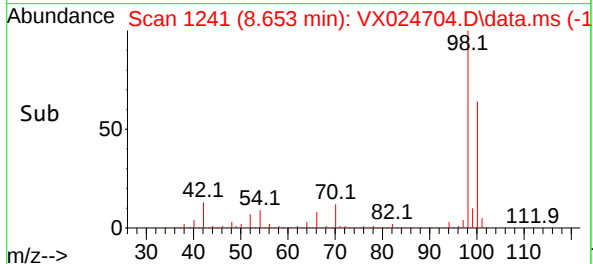
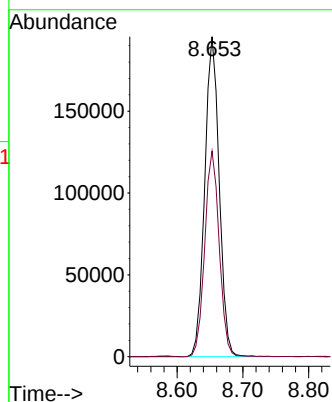
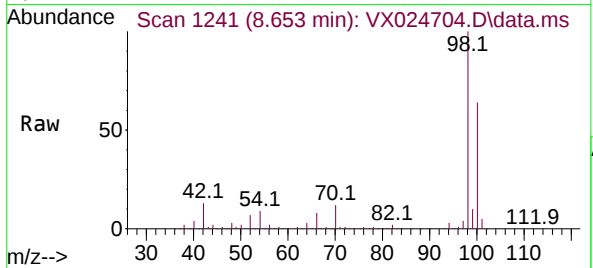




#50
Toluene-d8
Concen: 51.680 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

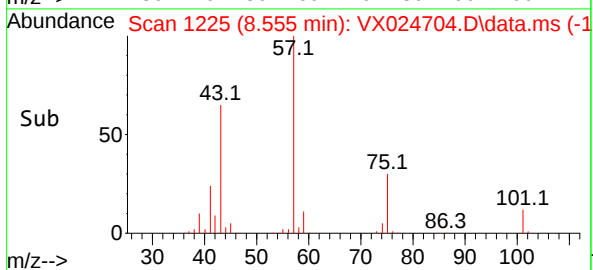
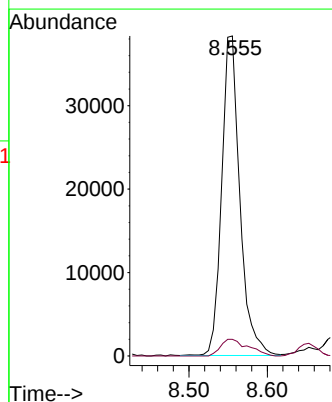
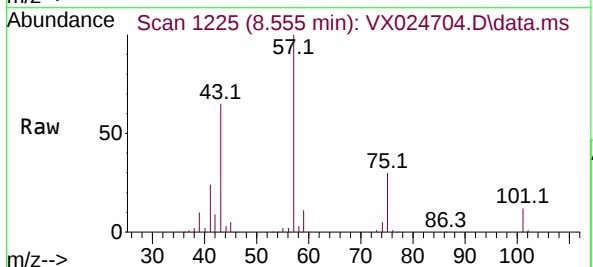
Instrument :
MSVOA_X
ClientSampled :

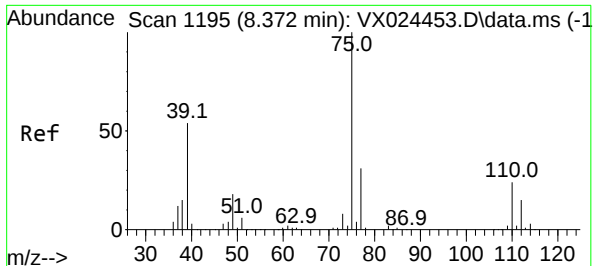
Tgt Ion: 98 Resp: 299193
Ion Ratio Lower Upper
98 100
100 64.4 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 21.812 ug/l
RT: 8.555 min Scan# 1225
Delta R.T. -0.025 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 43 Resp: 62040
Ion Ratio Lower Upper
43 100
58 7.9 35.4 53.0#

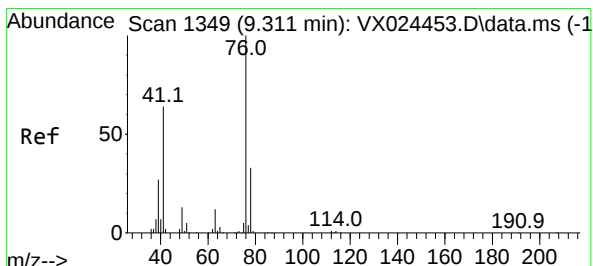
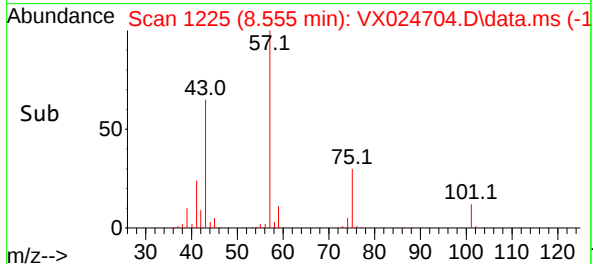
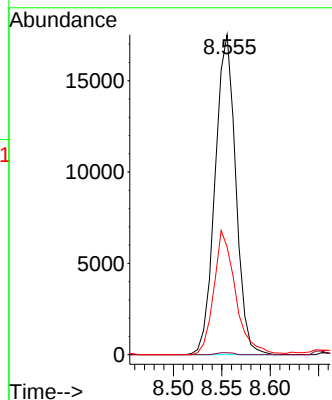
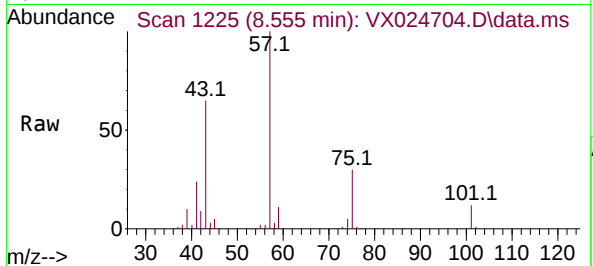




#54
 cis-1,3-Dichloropropene
 Concen: 9.792 ug/l
 RT: 8.555 min Scan# 1225
 Delta R.T. 0.183 min
 Lab File: VX024704.D
 Acq: 09 Oct 2021 05:40

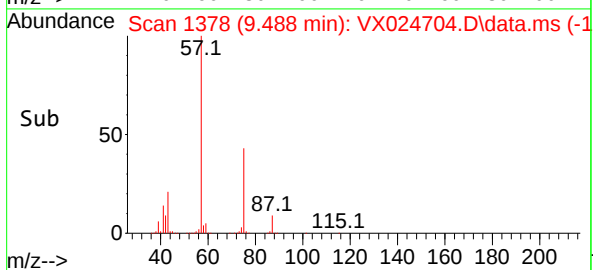
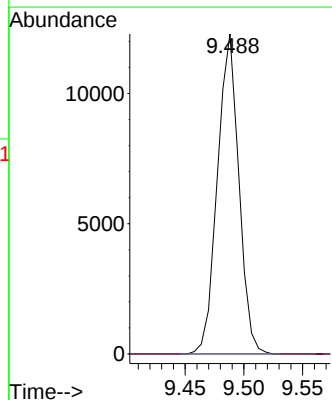
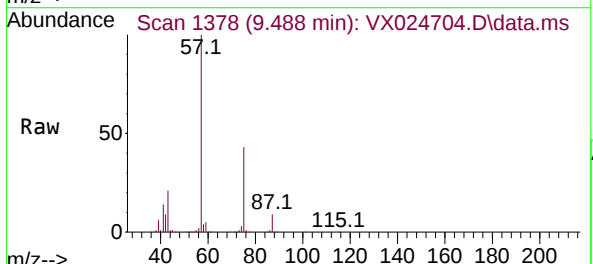
Instrument :
 MSVOA_X
 ClientSampled :

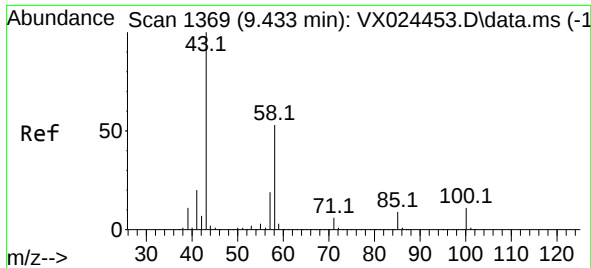
Tgt Ion: 75 Resp: 25971
 Ion Ratio Lower Upper
 75 100
 77 0.6 25.7 38.5#
 39 33.7 35.1 52.7#



#57
 1,3-Dichloropropane
 Concen: 5.336 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.177 min
 Lab File: VX024704.D
 Acq: 09 Oct 2021 05:40

Tgt Ion: 76 Resp: 15610
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.2 39.2#

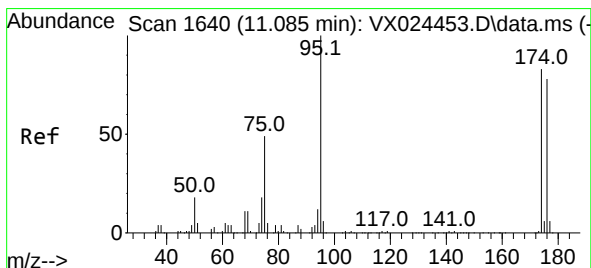
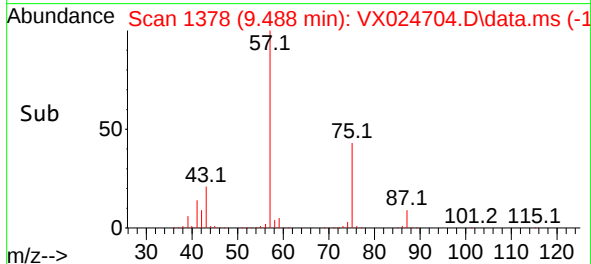
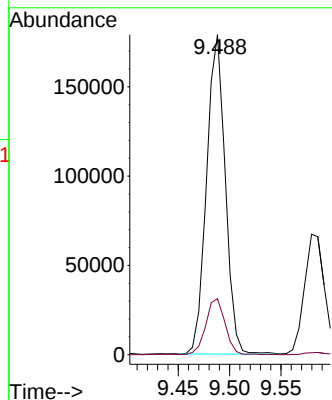
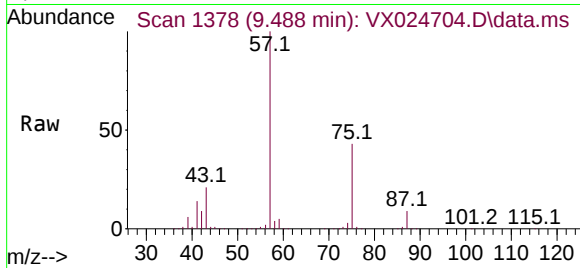




#59
2-Hexanone
Concen: 101.183 ug/l
RT: 9.488 min Scan# 1378
Delta R.T. 0.055 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

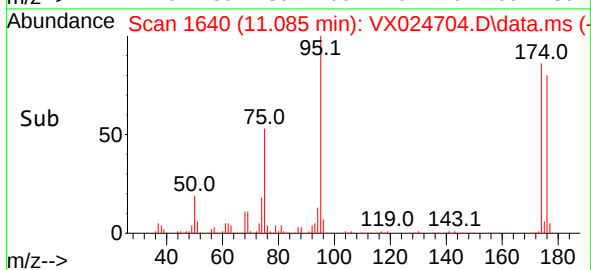
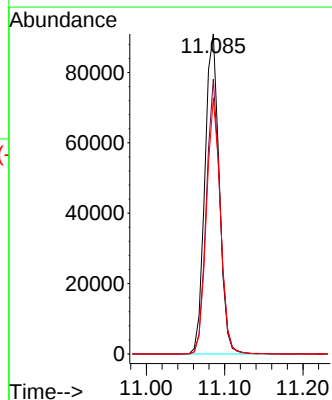
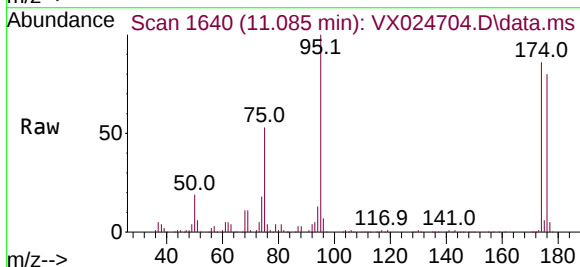
Instrument :
MSVOA_X
ClientSampled :

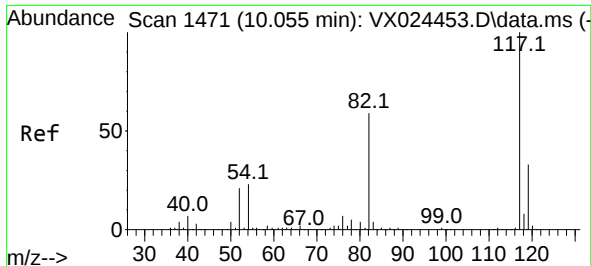
Tgt Ion: 43 Resp: 226643
Ion Ratio Lower Upper
43 100
58 18.1 30.9 92.8#



#62
4-Bromofluorobenzene
Concen: 50.826 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Tgt Ion: 95 Resp: 115693
Ion Ratio Lower Upper
95 100
174 81.8 0.0 154.6
176 77.8 0.0 155.8

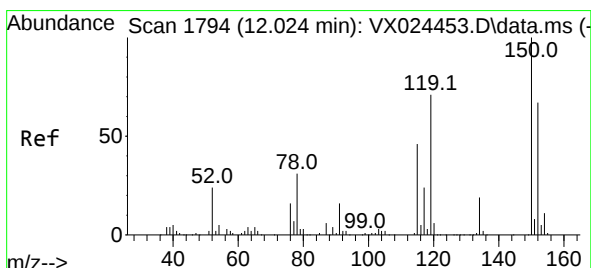
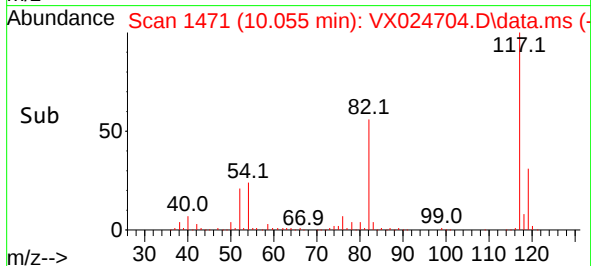
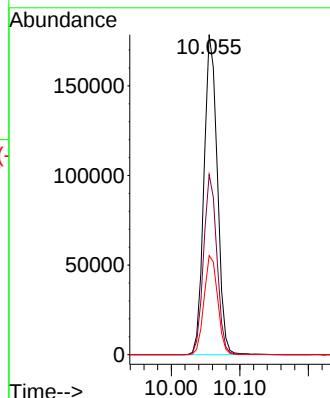
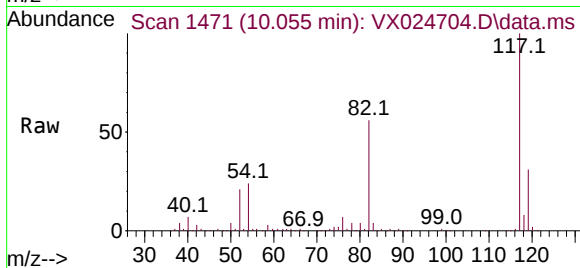




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

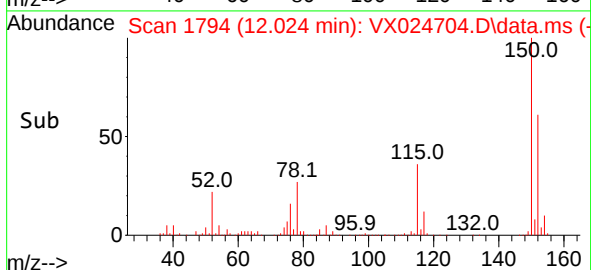
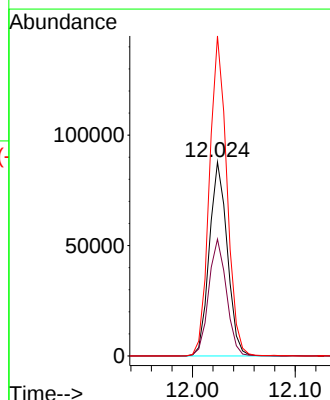
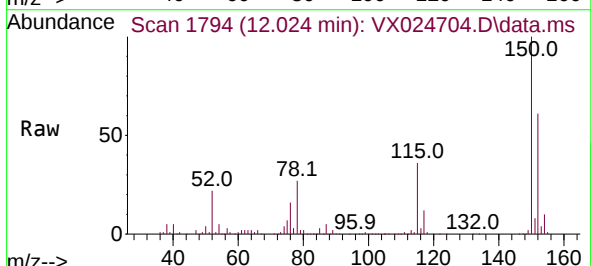
Instrument :
MSVOA_X
ClientSampled :

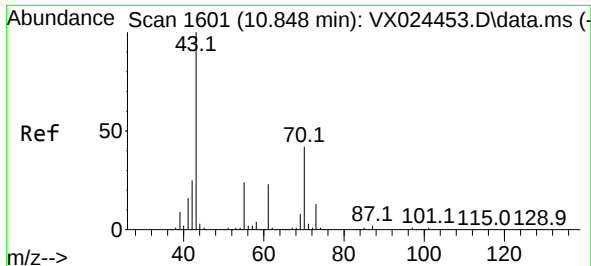
Tgt Ion:117 Resp: 243116
Ion Ratio Lower Upper
117 100
82 56.3 47.4 71.2
119 31.0 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

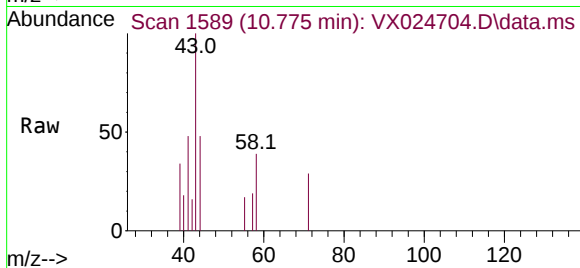
Tgt Ion:152 Resp: 106388
Ion Ratio Lower Upper
152 100
115 59.7 41.1 123.3
150 160.6 0.0 349.0



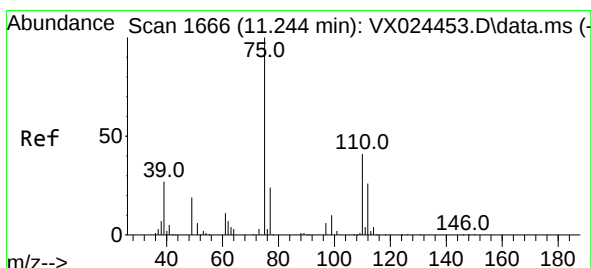
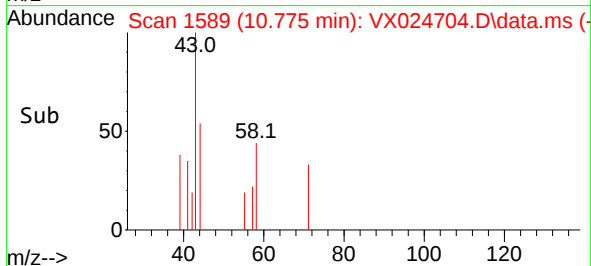
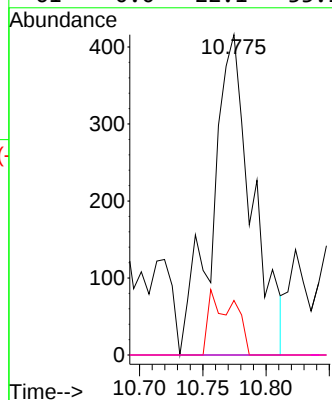


#74
N-amy1 acetate
Concen: 0.262 ug/l
RT: 10.775 min Scan# 1589
Delta R.T. -0.073 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

Instrument :
MSVOA_X
ClientSampled :

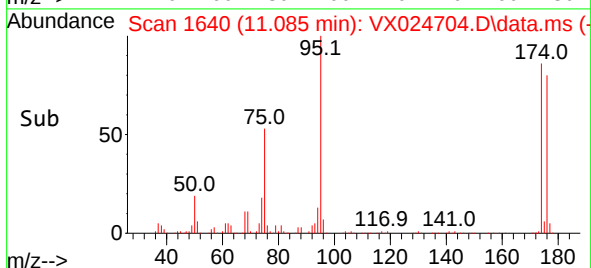
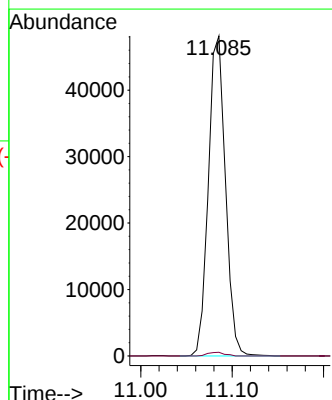
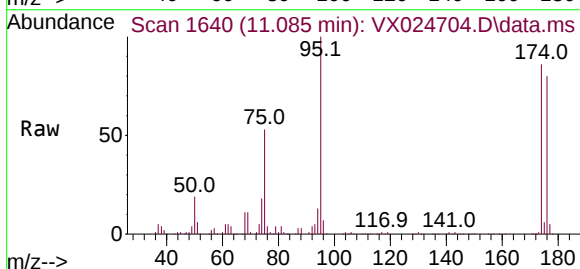


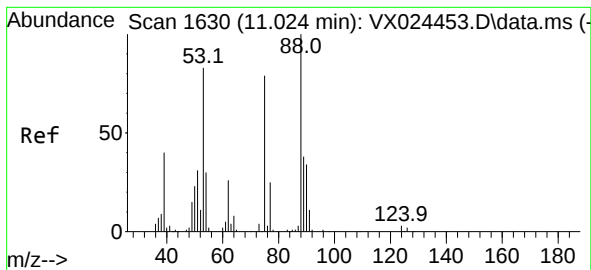
Tgt Ion: 43	Resp: 908
Ion Ratio	Lower Upper
43	100
70	0.0 39.0 58.6#
55	12.7 21.5 32.3#
61	0.0 22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 25.789 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024704.D
Acq: 09 Oct 2021 05:40

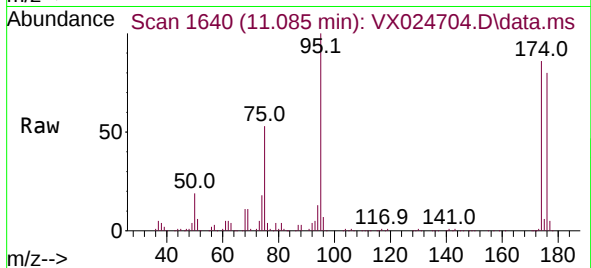
Tgt Ion: 75	Resp: 62306
Ion Ratio	Lower Upper
75	100
77	1.2 19.1 57.5#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.264 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.061 min
 Lab File: VX024704.D
 Acq: 09 Oct 2021 05:40

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 62306
 Ion Ratio Lower Upper
 75 100
 53 0.0 74.5 111.7#
 89 0.0 37.9 56.9#

