

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023040.D
 Acq On : 30 Jun 2021 17:41
 Operator : JC/MD
 Sample : M2892-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:27:25 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 19:12:26 2021
 Response via : Initial Calibration

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

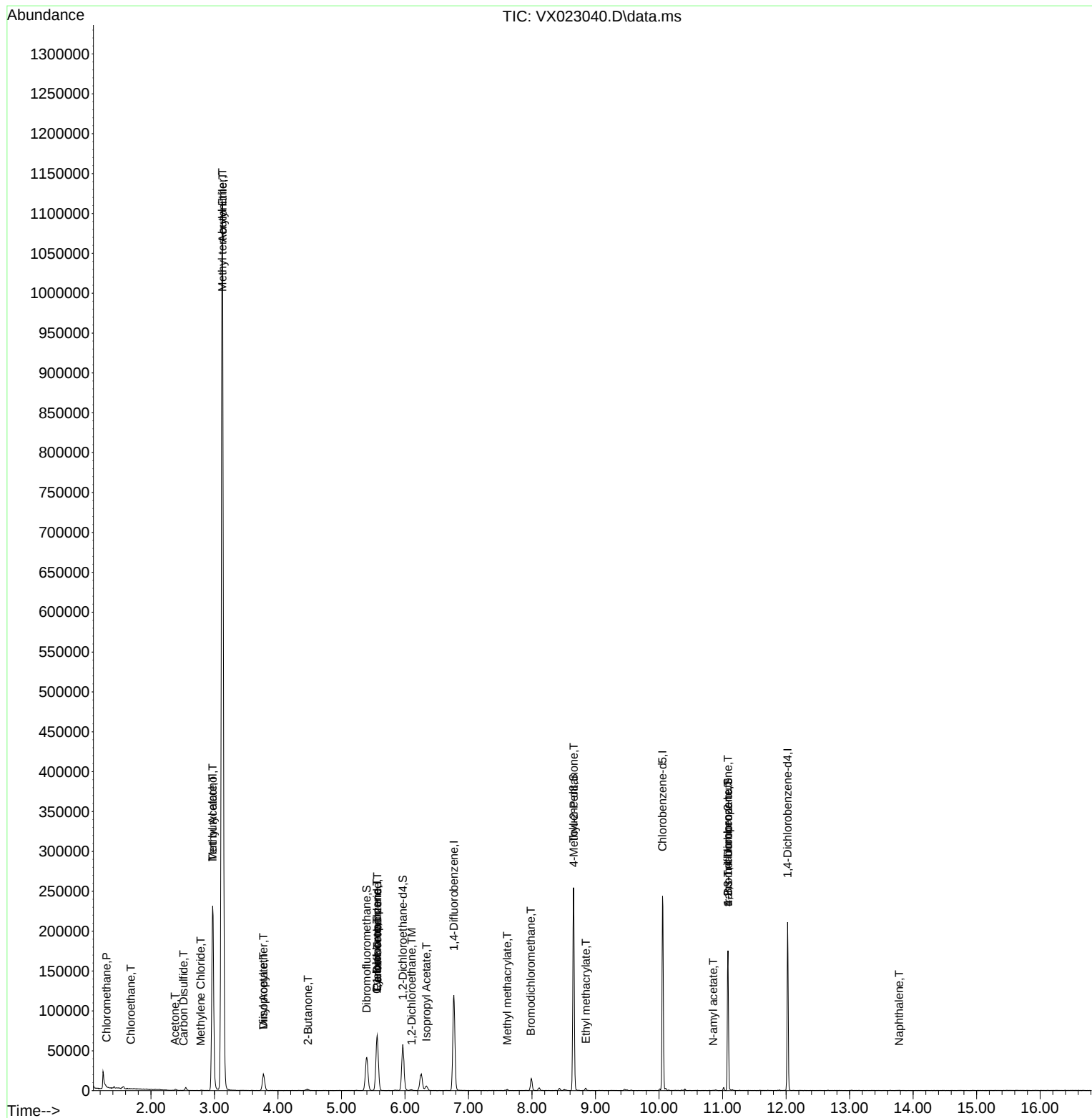
Internal Standards						
1) Pentafluorobenzene	5.562	168	54200	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	113002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35472	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	51659	52.519	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.040%
35) Dibromofluoromethane	5.397	113	35219	49.080	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.160%
50) Toluene-d8	8.653	98	140423	49.931	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	99.860%
62) 4-Bromofluorobenzene	11.085	95	46778	44.567	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.140%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	286	0.341	ug/l	# 42
6) Chloroethane	1.685	64	145	0.303	ug/l	# 43
11) Tert butyl alcohol	2.971	59	260521	1270.839	ug/l	98
15) Acrylonitrile	3.130	53	13204	28.176	ug/l	# 26
16) Acetone	2.380	43	1568	3.596	ug/l	# 83
17) Carbon Disulfide	2.514	76	198	3.612	ug/l	# 75
18) Methyl Acetate	2.971	43	37301	34.758	ug/l	# 47
19) Methyl tert-butyl Ether	3.123	73	1186565	470.570	ug/l	97
20) Methylene Chloride	2.782	84	208	0.611	ug/l	# 61
22) Diisopropyl ether	3.770	45	20797	7.484	ug/l	# 82
23) Vinyl Acetate	3.770	43	11449	4.912	ug/l	# 68
25) 2-Butanone	4.471	43	575	0.848	ug/l	# 45
31) Cyclohexane	5.556	56	1731	1.247	ug/l	# 29
36) 1,1-Dichloropropene	5.556	75	6100	5.082	ug/l	# 48
38) Carbon Tetrachloride	5.562	117	6865	6.819	ug/l	# 17
42) 1,2-Dichloroethane	6.105	62	1318	1.035	ug/l	# 73
43) Isopropyl Acetate	6.336	43	2028	0.907	ug/l	# 26
47) Bromodichloromethane	7.982	83	22	2.951	ug/l	# 25
48) Methyl methacrylate	7.610	41	520	0.503	ug/l	# 37
51) 4-Methyl-2-Pentanone	8.659	43	806	0.579	ug/l	# 1
56) Ethyl methacrylate	8.848	69	316	2.773	ug/l	# 15
74) N-amyl acetate	10.854	43	61	2.089	ug/l	# 38
76) 1,2,3-Trichloropropane	11.085	75	26593	28.382	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	26593	73.190	ug/l	# 12
95) Naphthalene	13.780	128	104	1.957	ug/l	# 69

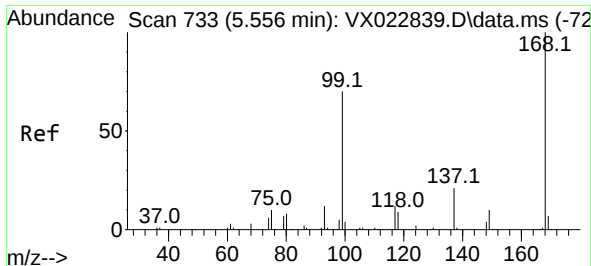
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :

Quant Time: Jul 01 03:27:25 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X062321W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 19:12:26 2021
Response via : Initial Calibration

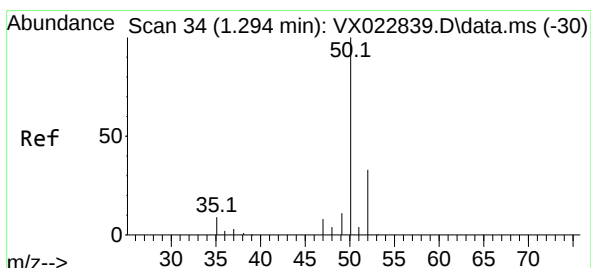
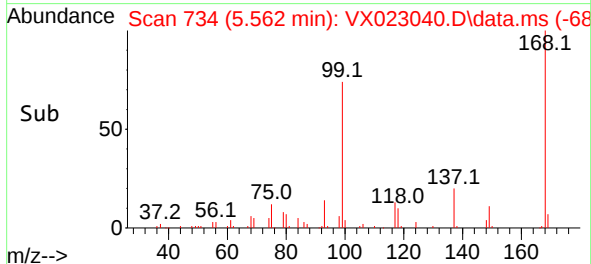
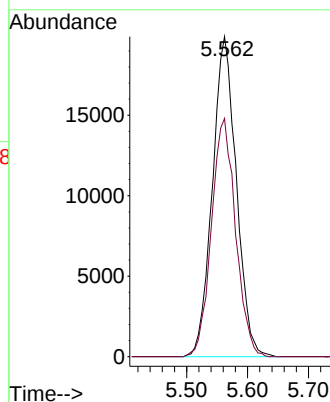
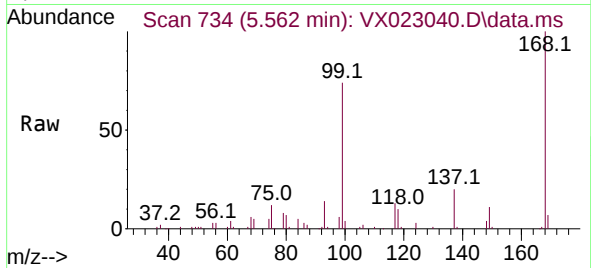




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

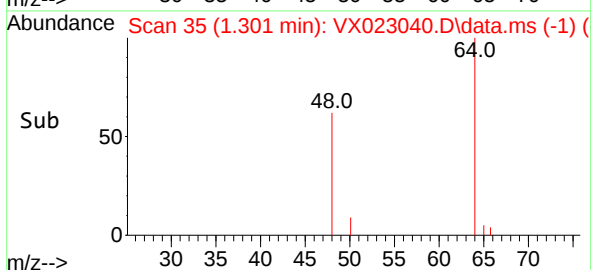
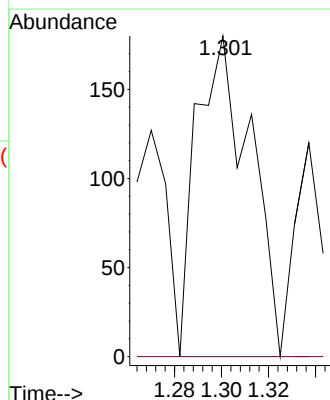
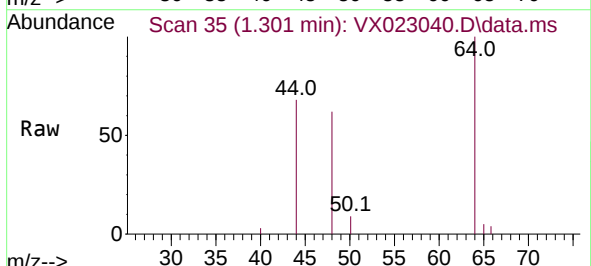
Instrument :
MSVOA_X
ClientSampled :

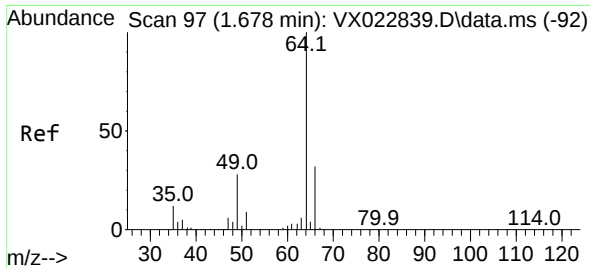
Tgt Ion:168 Resp: 54200
Ion Ratio Lower Upper
168 100
99 74.4 45.8 68.6#



#3
Chloromethane
Concen: 0.341 ug/l
RT: 1.301 min Scan# 35
Delta R.T. 0.007 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 50 Resp: 286
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#

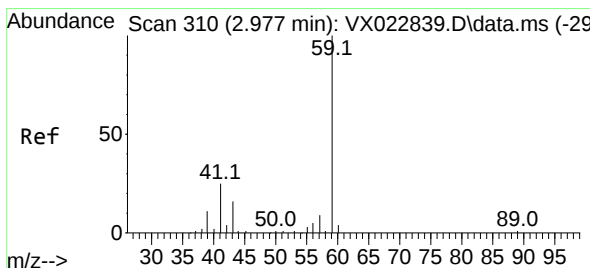
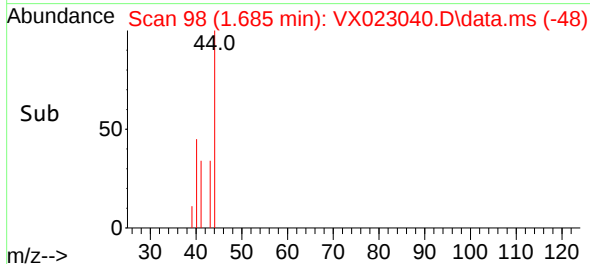
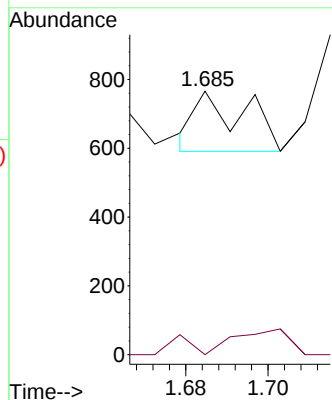
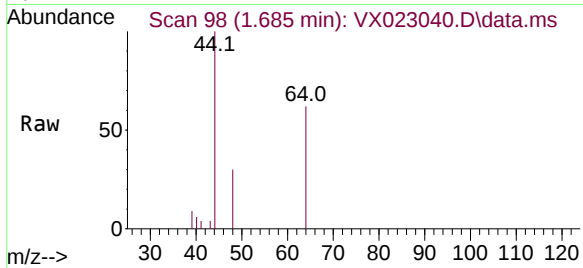




#6
Chloroethane
Concen: 0.303 ug/l
RT: 1.685 min Scan# 98
Delta R.T. 0.007 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

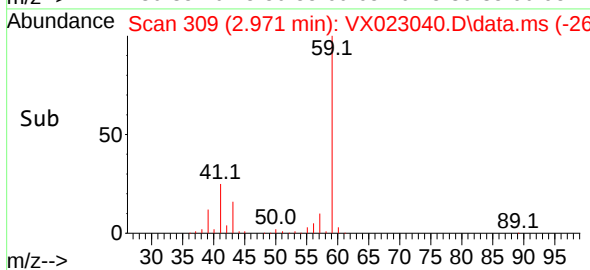
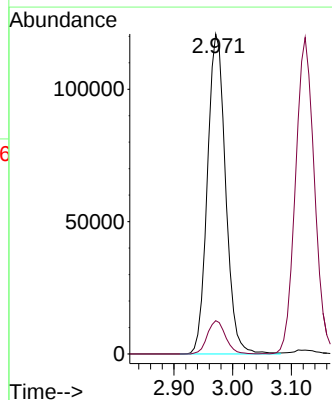
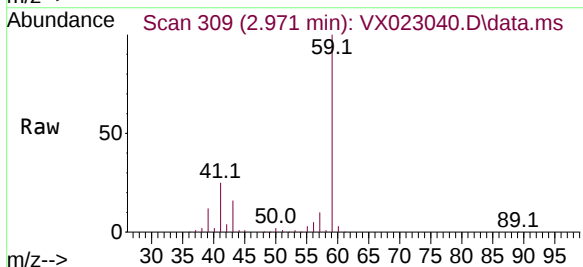
Instrument :
MSVOA_X
ClientSampled :

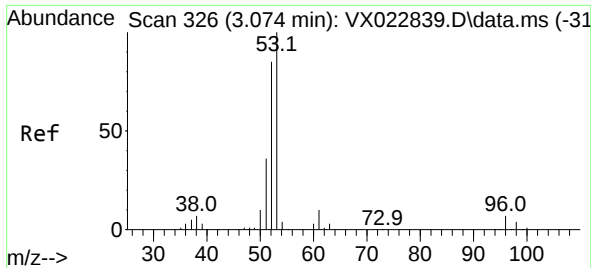
Tgt Ion: 64 Resp: 145
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 1270.839 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.006 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 59 Resp: 260521
Ion Ratio Lower Upper
59 100
57 10.4 7.8 11.8

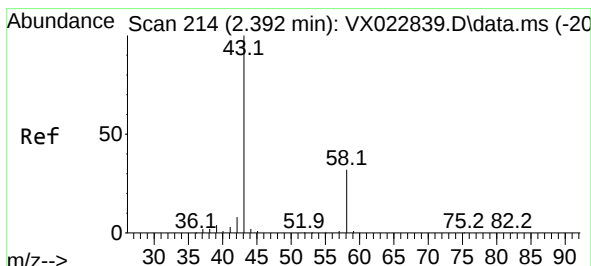
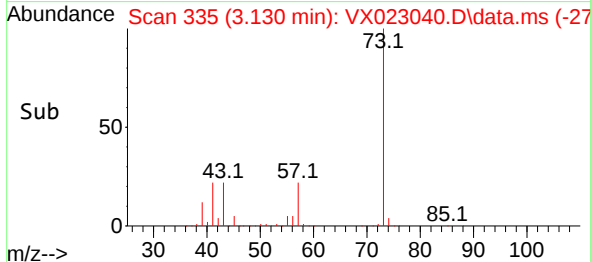
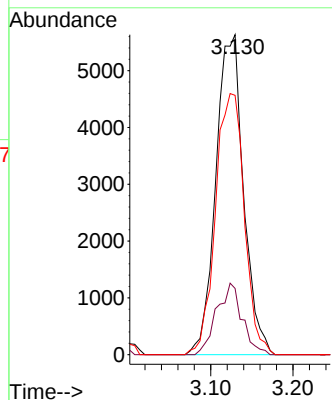
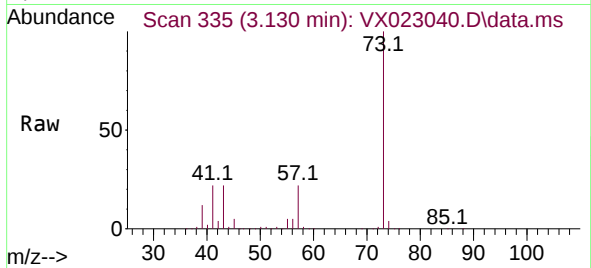




#15
Acrylonitrile
Concen: 28.176 ug/l
RT: 3.130 min Scan# 335
Delta R.T. 0.056 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

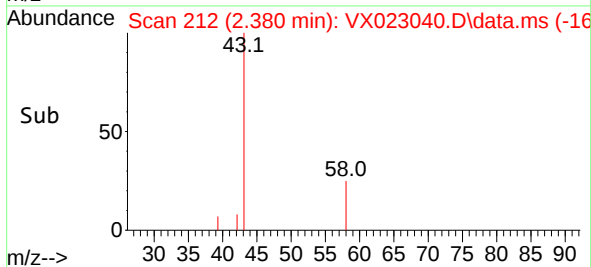
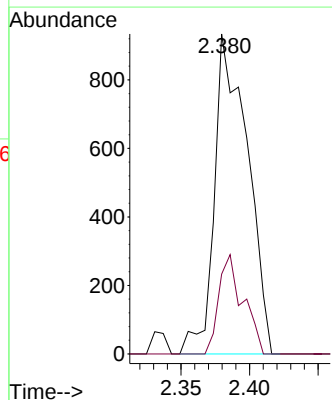
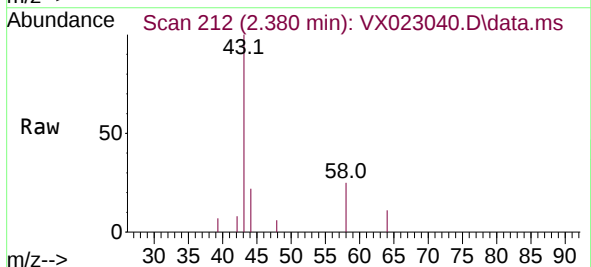
Instrument :
MSVOA_X
ClientSampled :

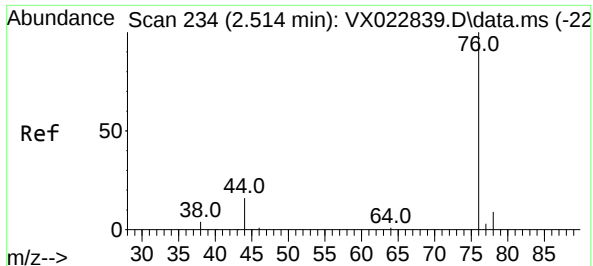
Tgt Ion: 53 Resp: 13204
Ion Ratio Lower Upper
53 100
52 20.6 65.3 97.9#
51 84.9 28.2 42.2#



#16
Acetone
Concen: 3.596 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 43 Resp: 1568
Ion Ratio Lower Upper
43 100
58 24.9 27.8 41.8#

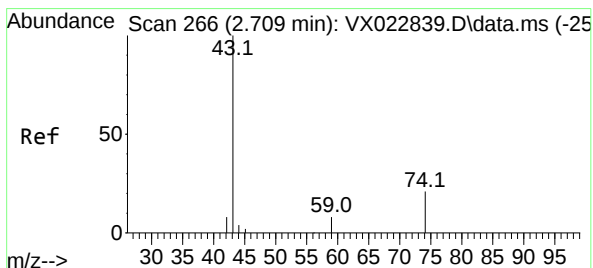
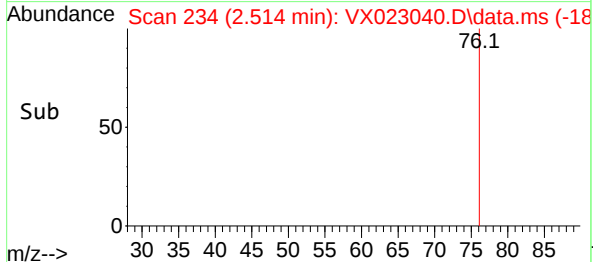
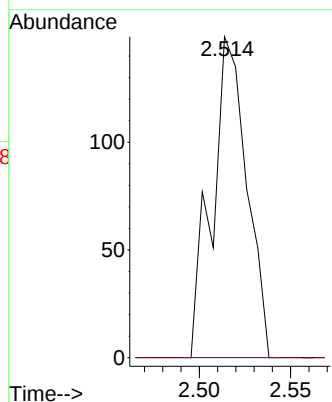
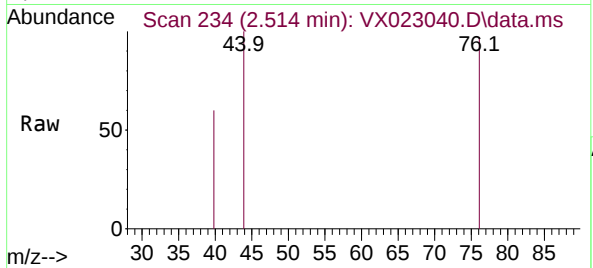




#17
Carbon Disulfide
Concen: 3.612 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

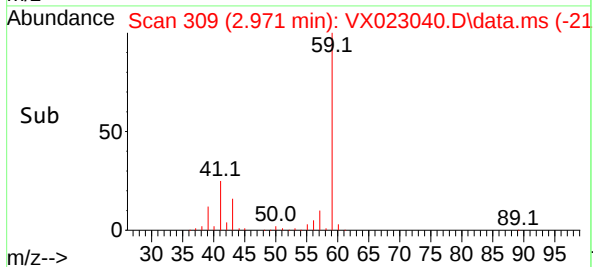
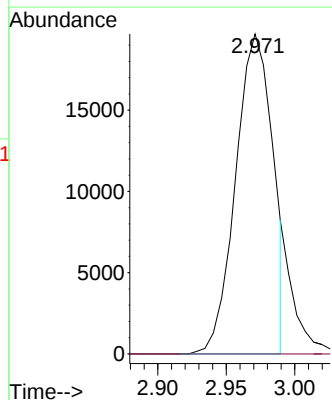
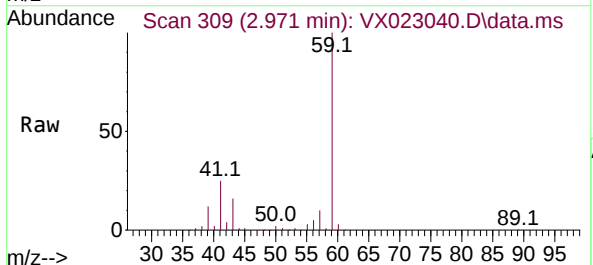
Instrument :
MSVOA_X
ClientSampled :

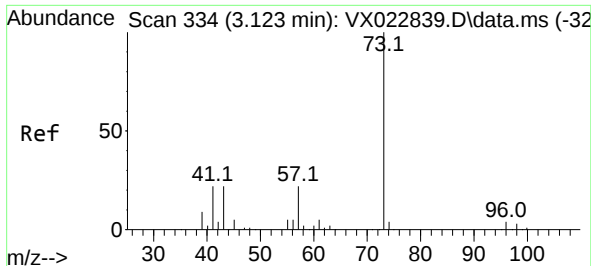
Tgt Ion: 76 Resp: 198
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#18
Methyl Acetate
Concen: 34.758 ug/l
RT: 2.971 min Scan# 309
Delta R.T. 0.262 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 43 Resp: 37301
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#

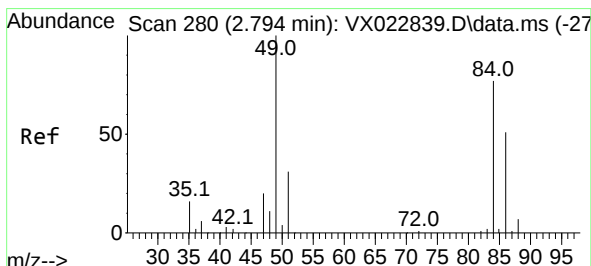
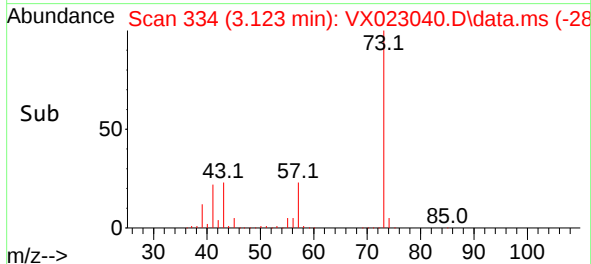
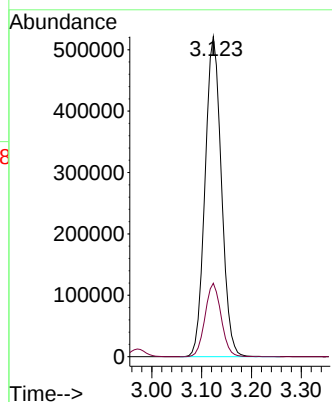
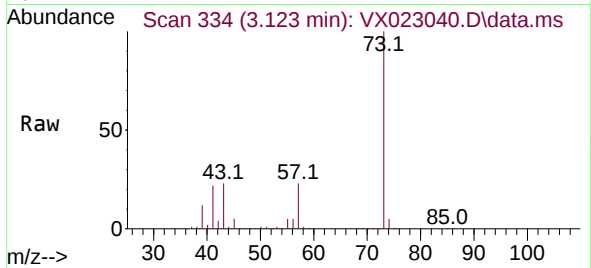




#19
Methyl tert-butyl Ether
Concen: 470.570 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

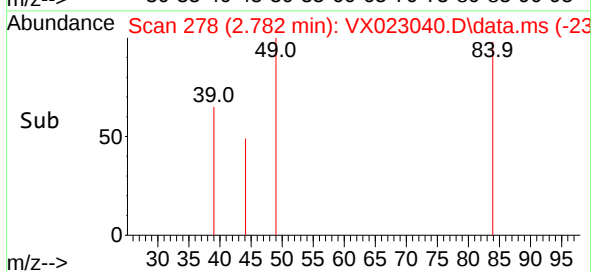
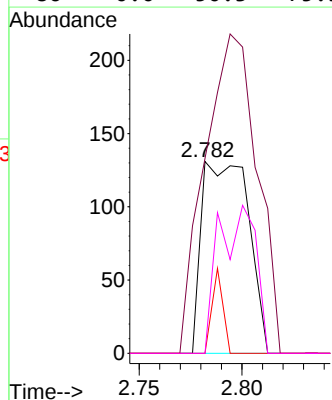
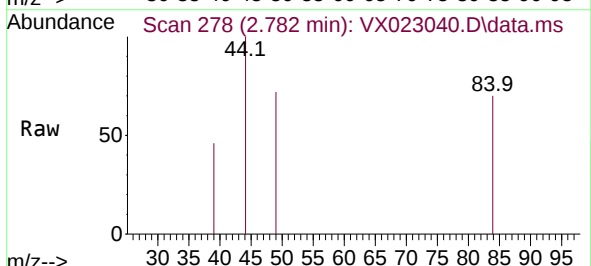
Instrument :
MSVOA_X
ClientSampled :

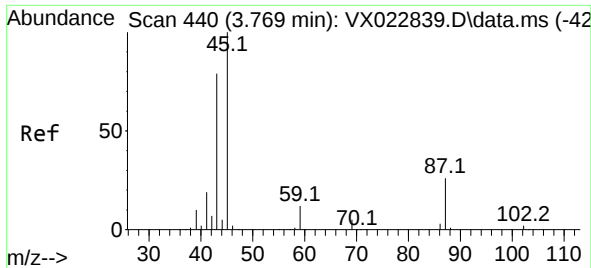
Tgt Ion: 73 Resp: 1186565
Ion Ratio Lower Upper
73 100
57 22.9 17.1 25.7



#20
Methylene Chloride
Concen: 0.611 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.012 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 84 Resp: 208
Ion Ratio Lower Upper
84 100
49 101.5 88.6 132.8
51 0.0 27.0 40.6#
86 0.0 50.3 75.5#

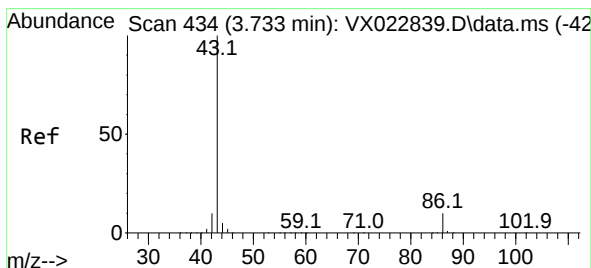
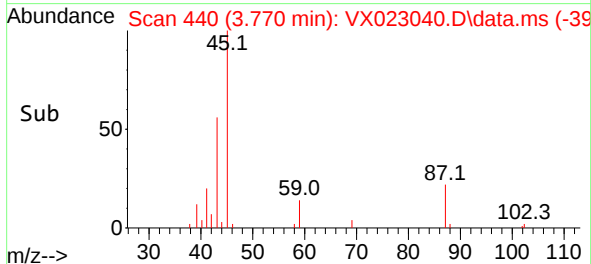
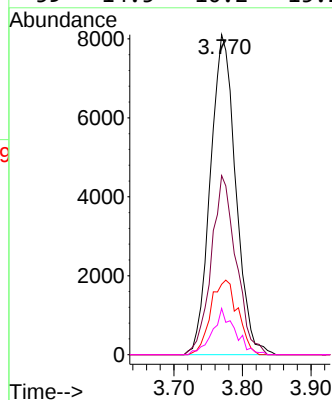
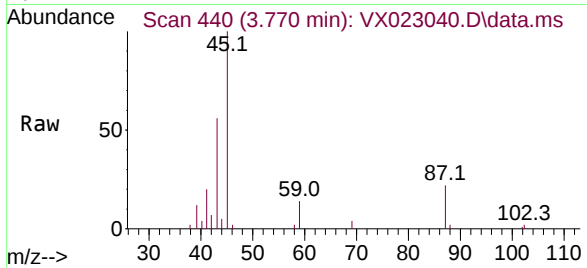




#22
Diisopropyl ether
Concen: 7.484 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.001 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

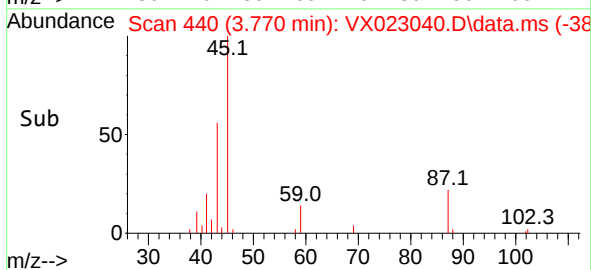
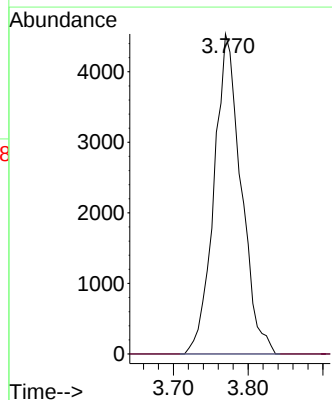
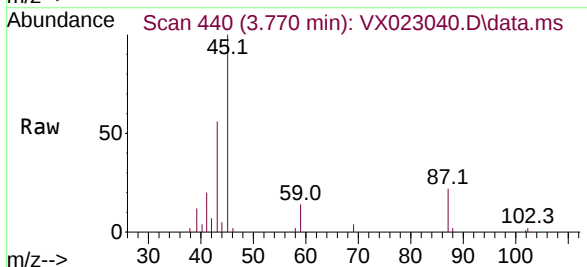
Instrument :
MSVOA_X
ClientSampled :

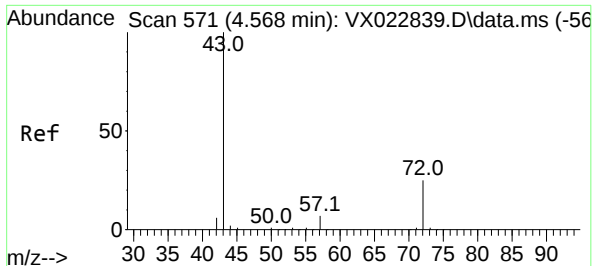
Tgt Ion:	45	Resp:	20797
Ion	Ratio	Lower	Upper
45	100		
43	56.0	58.0	87.0#
87	22.0	25.4	38.0#
59	14.5	10.2	15.2



#23
Vinyl Acetate
Concen: 4.912 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.037 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion:	43	Resp:	11449
Ion	Ratio	Lower	Upper
43	100		
86	0.0	9.9	14.9#

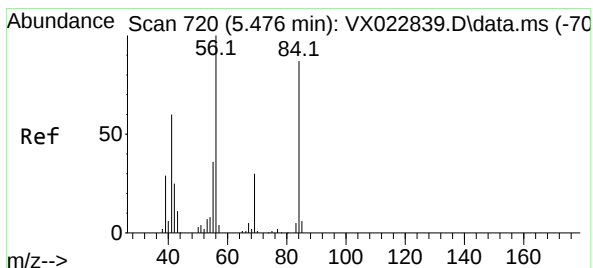
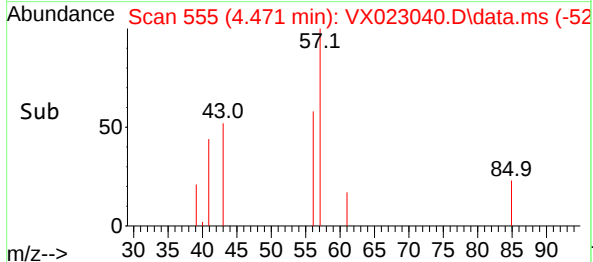
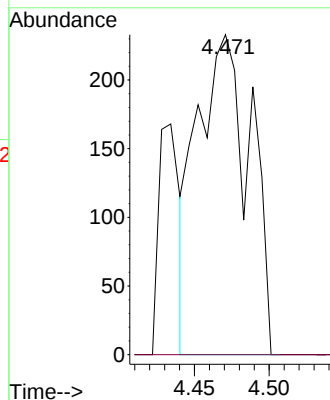
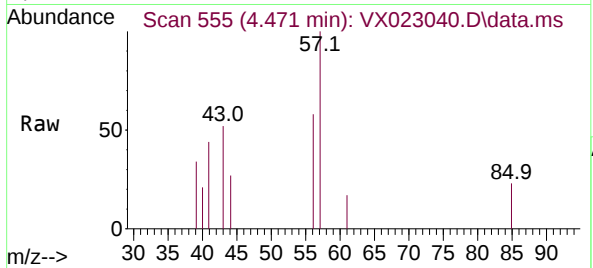




#25
2-Butanone
Concen: 0.848 ug/l
RT: 4.471 min Scan# 555
Delta R.T. -0.097 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

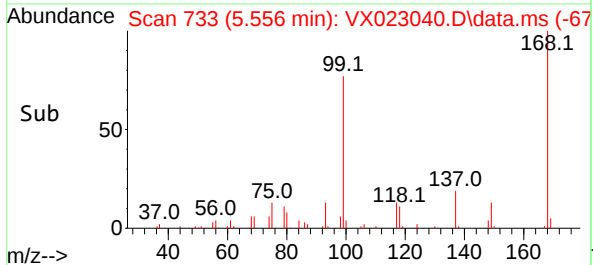
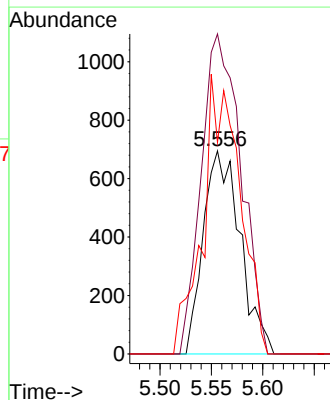
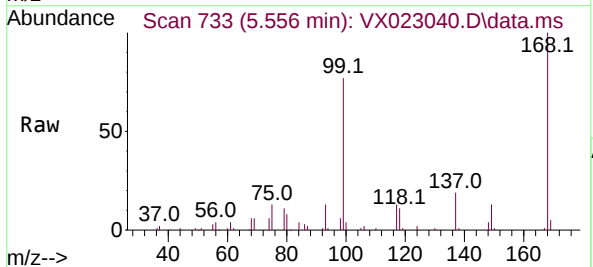
Instrument :
MSVOA_X
ClientSampled :

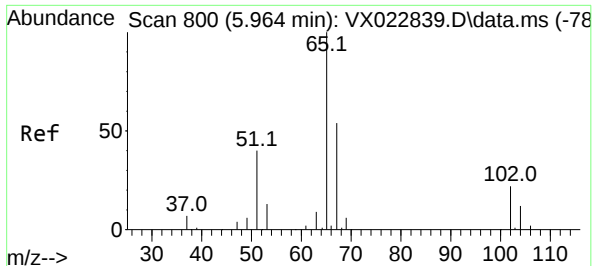
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Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.080 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 56 Resp: 1731
Ion Ratio Lower Upper
56 100
69 157.6 25.3 37.9#
84 104.0 71.4 107.0



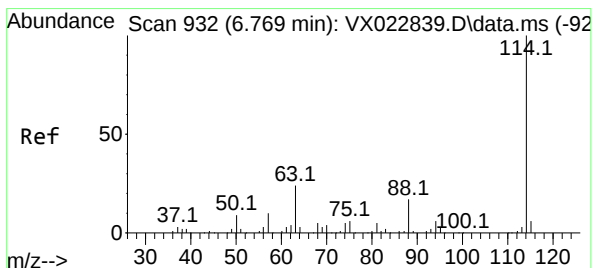
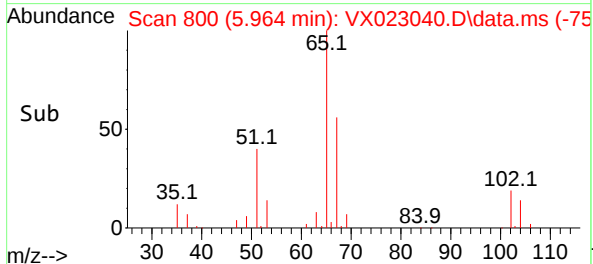
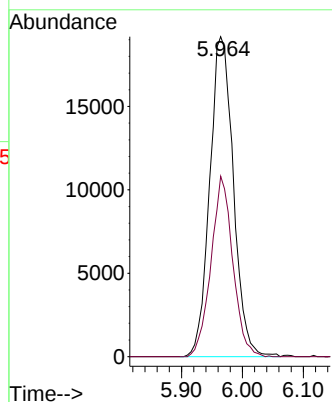
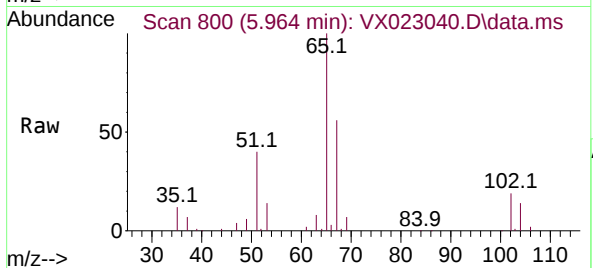


#33

1,2-Dichloroethane-d4
Concen: 52.519 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Instrument :
MSVOA_X
ClientSampled :

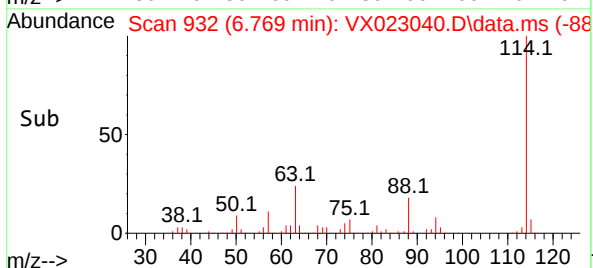
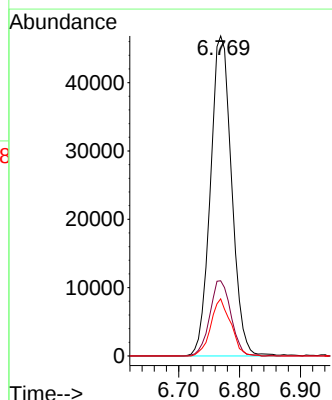
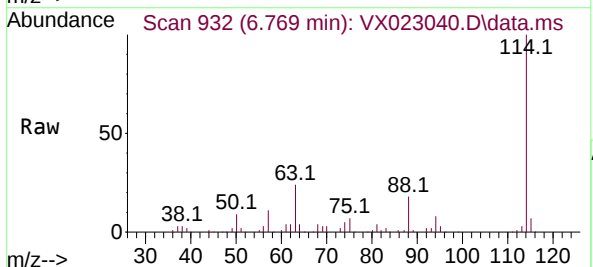
Tgt Ion: 65 Resp: 51659
Ion Ratio Lower Upper
65 100
67 52.0 0.0 105.4

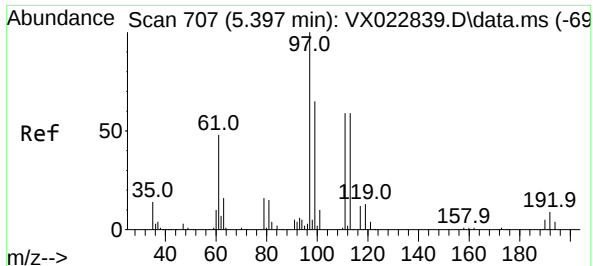


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 114 Resp: 113002
Ion Ratio Lower Upper
114 100
63 23.5 0.0 40.8
88 17.8 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.080 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX023040.D

Acq: 30 Jun 2021 17:41

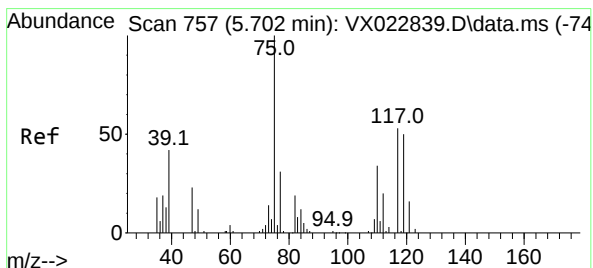
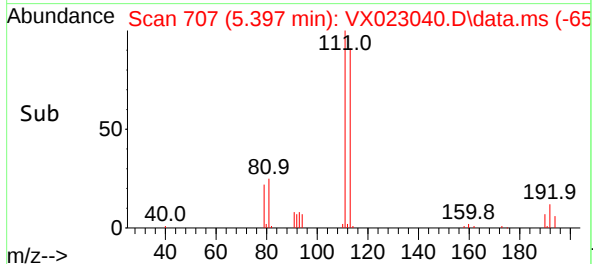
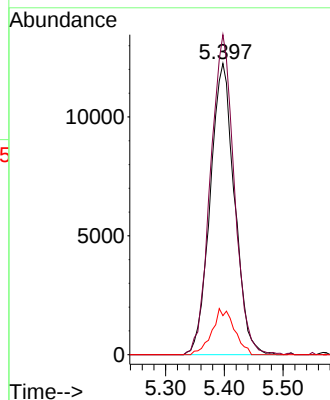
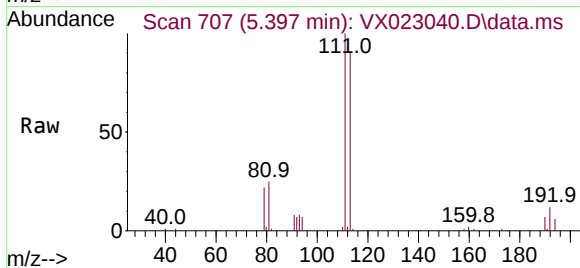
Tgt Ion:113 Resp: 35219

Ion Ratio Lower Upper

113 100

111 107.8 81.9 122.9

192 14.5 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.082 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023040.D

Acq: 30 Jun 2021 17:41

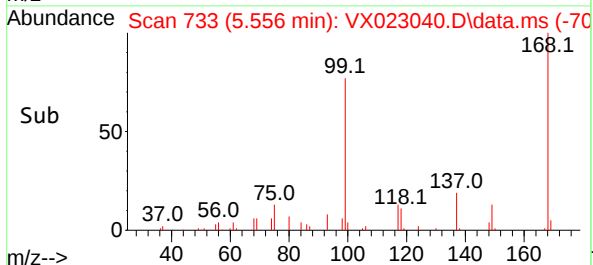
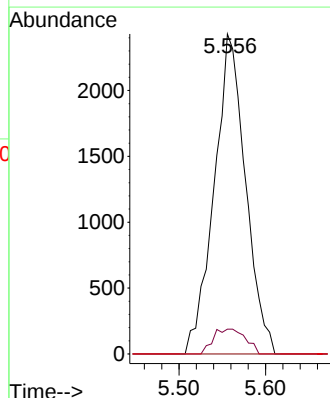
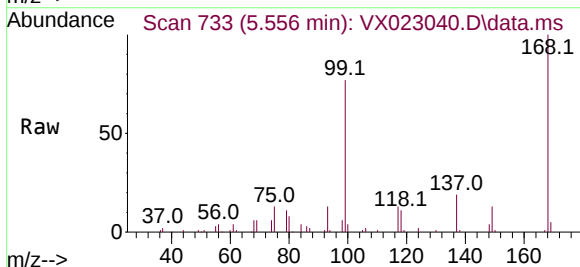
Tgt Ion: 75 Resp: 6100

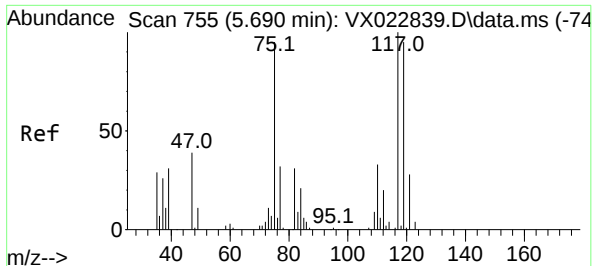
Ion Ratio Lower Upper

75 100

110 8.0 18.1 54.4#

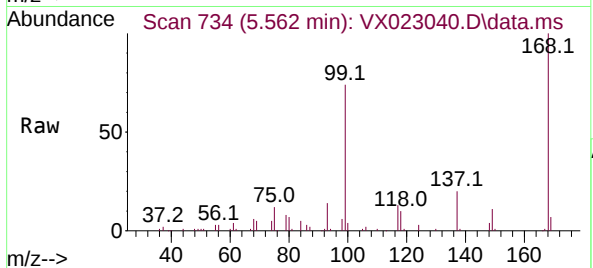
77 0.0 25.3 37.9#



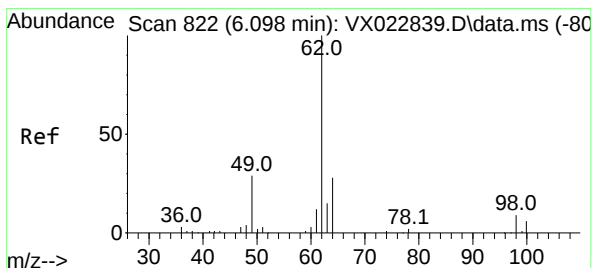
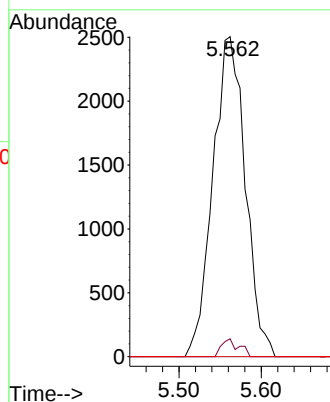
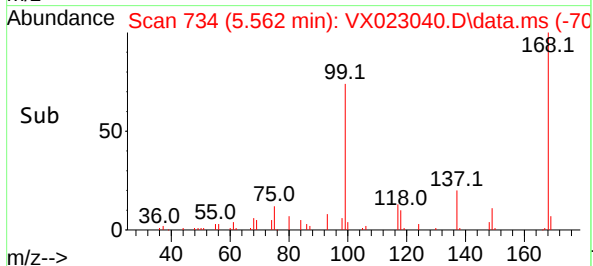


#38
Carbon Tetrachloride
Concen: 6.819 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

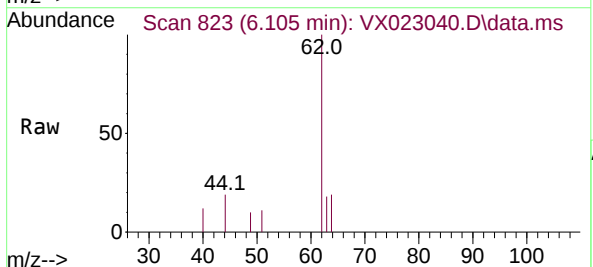
Instrument :
MSVOA_X
ClientSampled :



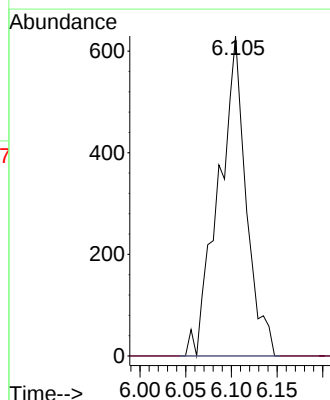
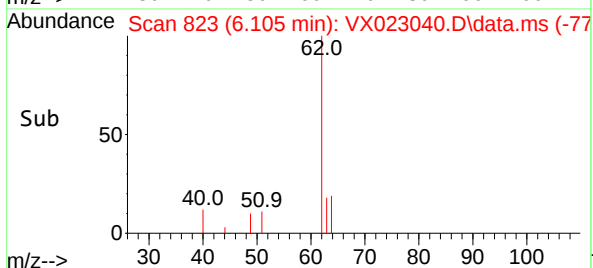
Tgt Ion:117 Resp: 6865
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.2#
121 0.0 24.8 37.2#

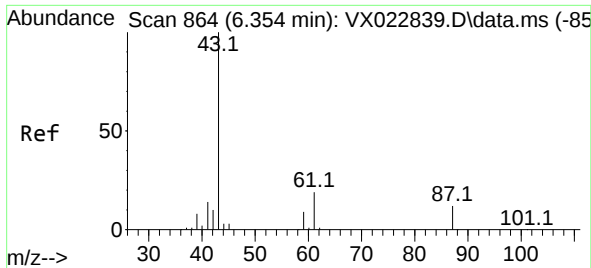


#42
1,2-Dichloroethane
Concen: 1.035 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.007 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41



Tgt Ion: 62 Resp: 1318
Ion Ratio Lower Upper
62 100
98 0.0 0.0 20.2

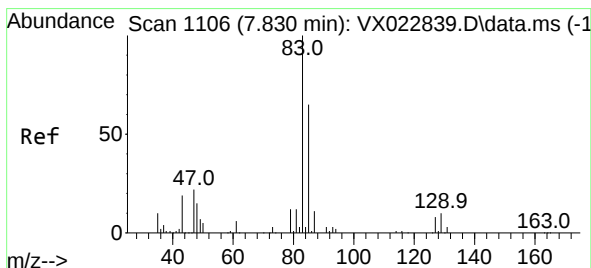
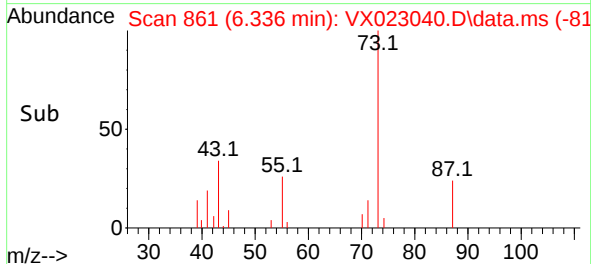
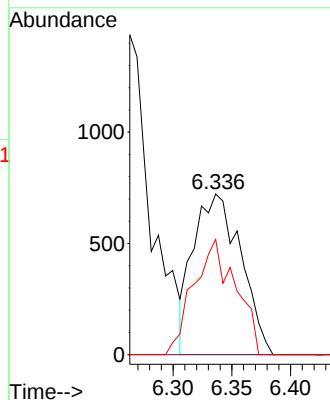
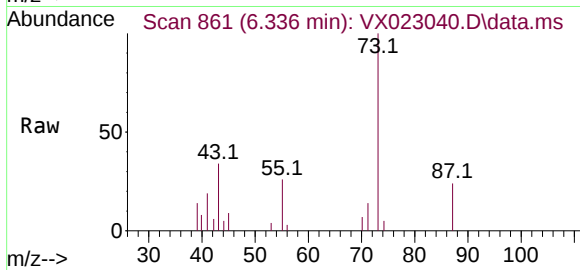




#43
Isopropyl Acetate
Concen: 0.907 ug/l
RT: 6.336 min Scan# 861
Delta R.T. -0.018 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

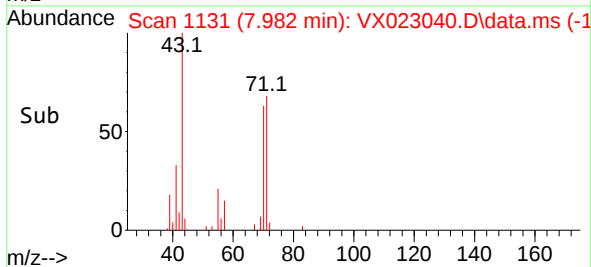
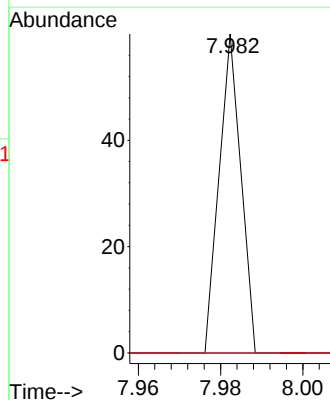
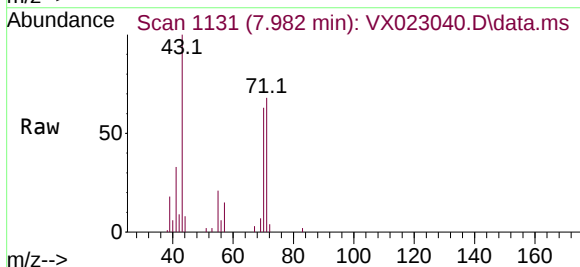
Instrument :
MSVOA_X
ClientSampled :

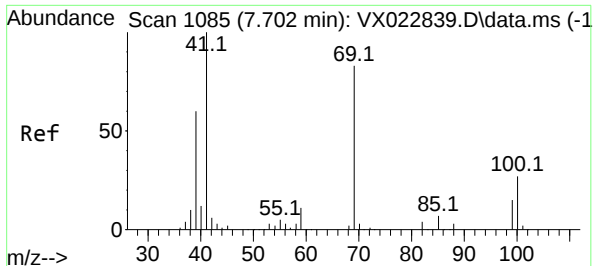
Tgt Ion: 43 Resp: 2028
Ion Ratio Lower Upper
43 100
61 0.0 18.2 27.4#
87 63.5 12.5 18.7#



#47
Bromodichloromethane
Concen: 2.951 ug/l
RT: 7.982 min Scan# 1131
Delta R.T. 0.152 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 83 Resp: 22
Ion Ratio Lower Upper
83 100
85 0.0 51.4 77.0#
127 0.0 6.8 10.2#





#48

Methyl methacrylate

Concen: 0.503 ug/l

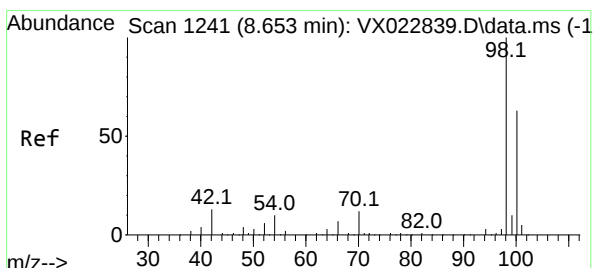
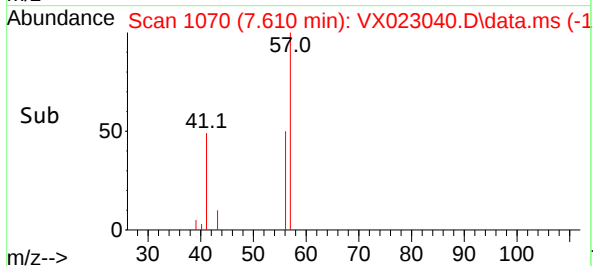
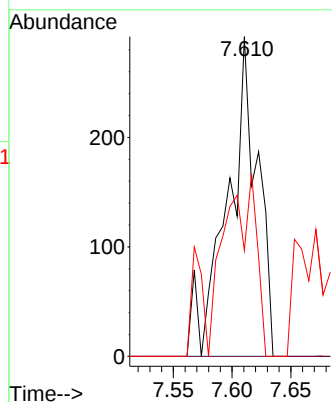
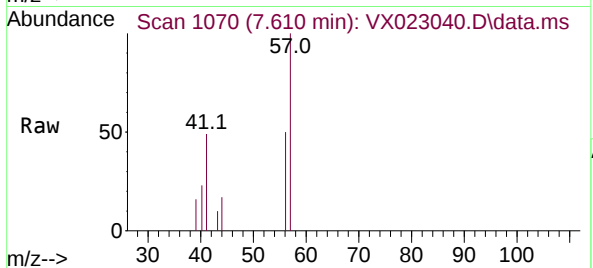
RT: 7.610 min Scan# 1070

Delta R.T. -0.092 min

Lab File: VX023040.D

Acq: 30 Jun 2021 17:41

Tgt Ion:	41	Resp:	520
Ion	Ratio	Lower	Upper
41	100		
69	0.0	76.0	114.0#
39	58.8	44.6	67.0



#50

Toluene-d8

Concen: 49.931 ug/l

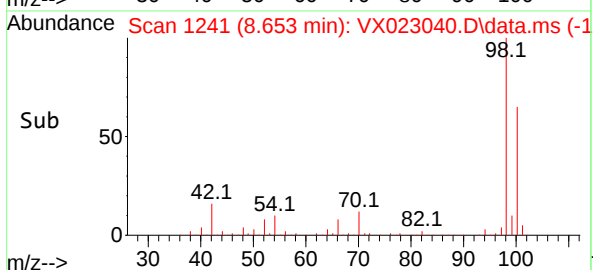
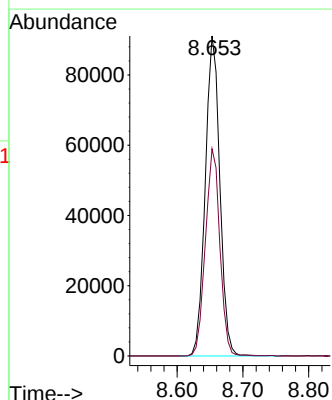
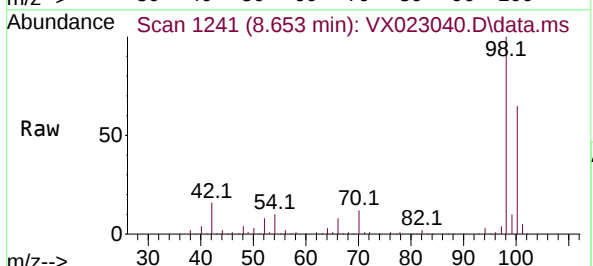
RT: 8.653 min Scan# 1241

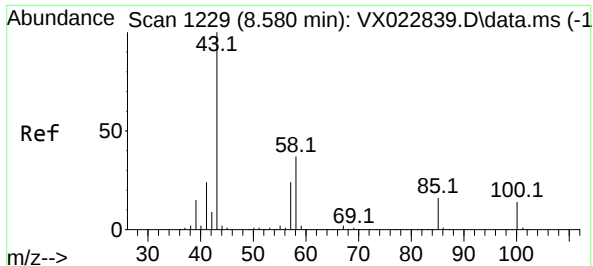
Delta R.T. -0.000 min

Lab File: VX023040.D

Acq: 30 Jun 2021 17:41

Tgt Ion:	98	Resp:	140423
Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.9	77.9

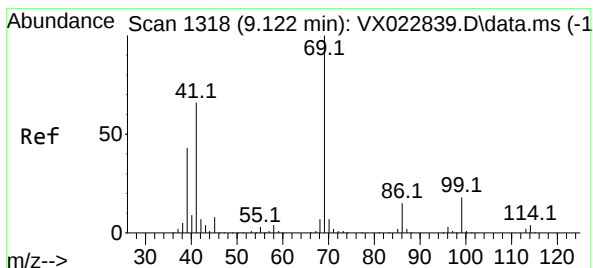
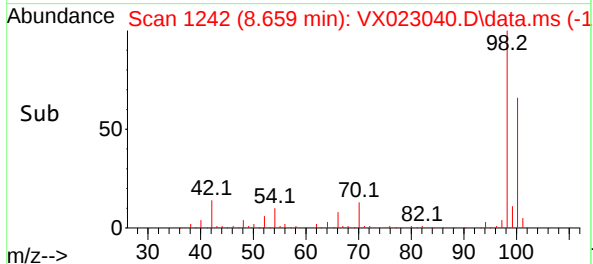
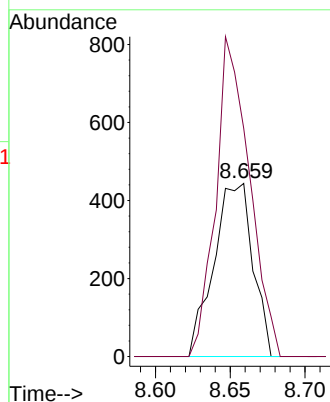
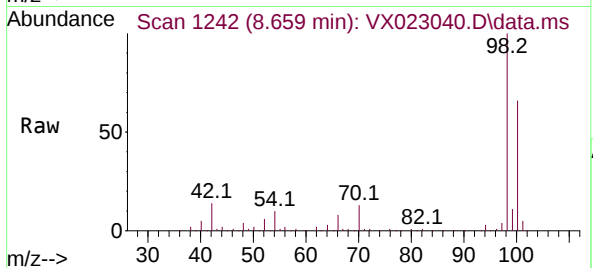




#51
4-Methyl-2-Pentanone
Concen: 0.579 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

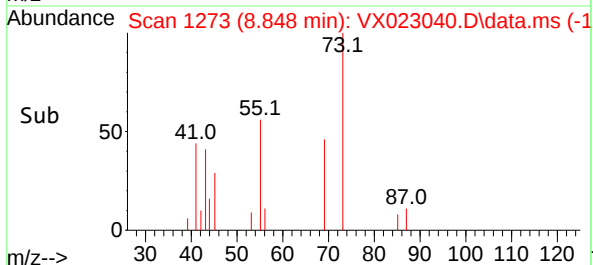
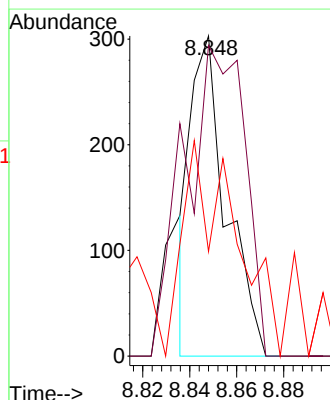
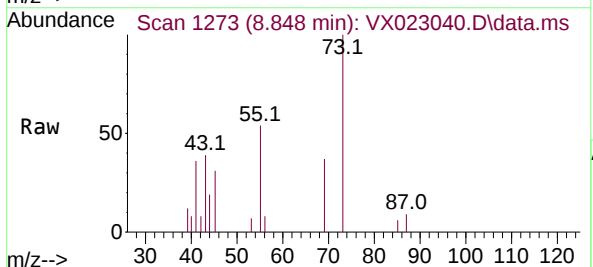
Instrument :
MSVOA_X
ClientSampled :

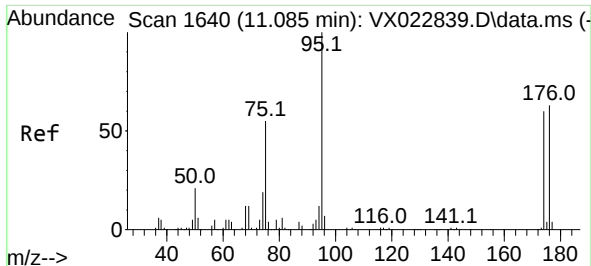
Tgt Ion: 43 Resp: 806
Ion Ratio Lower Upper
43 100
58 159.1 35.4 53.0#



#56
Ethyl methacrylate
Concen: 2.773 ug/l
RT: 8.848 min Scan# 1273
Delta R.T. -0.274 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 69 Resp: 316
Ion Ratio Lower Upper
69 100
41 114.2 46.8 70.2#
39 87.7 24.7 37.1#

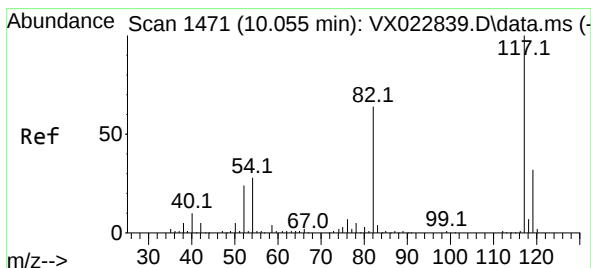
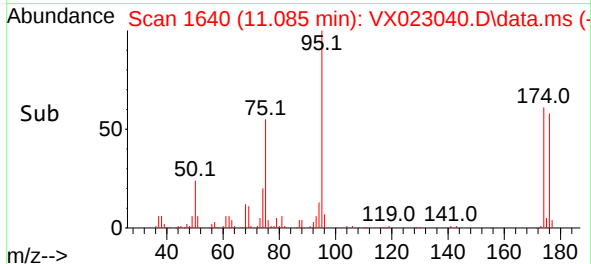
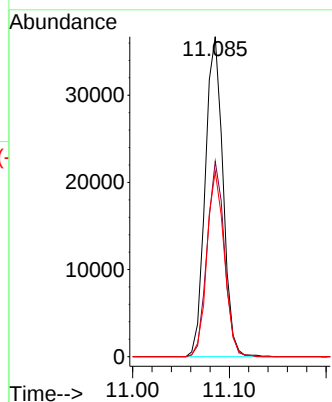
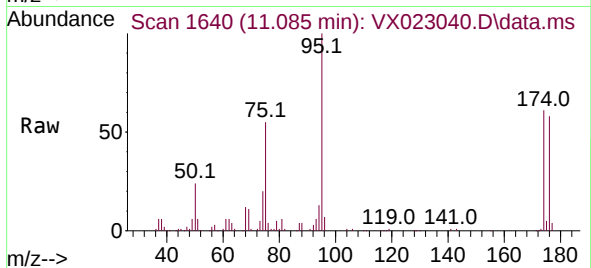




#62
4-Bromofluorobenzene
Concen: 44.567 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

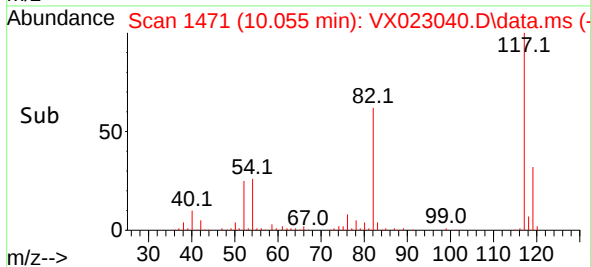
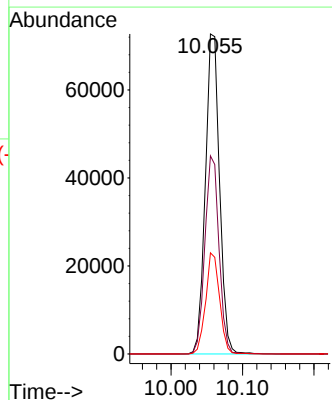
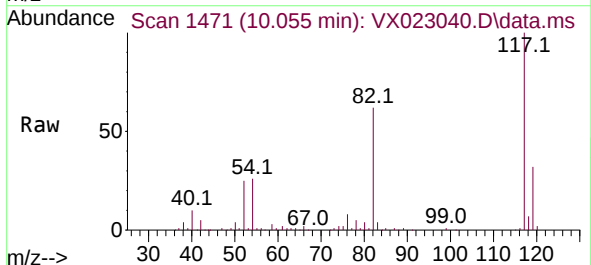
Instrument :
MSVOA_X
ClientSampleId :

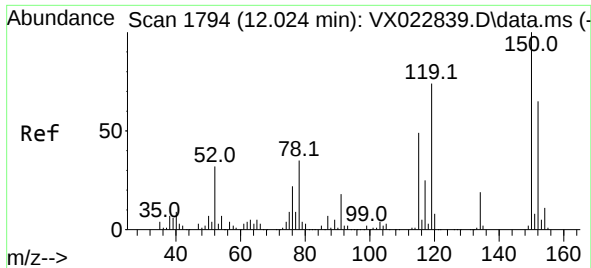
Tgt Ion: 95 Resp: 46778
Ion Ratio Lower Upper
95 100
174 59.6 0.0 154.6
176 56.8 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 117 Resp: 100438
Ion Ratio Lower Upper
117 100
82 61.9 47.4 71.2
119 31.6 26.6 39.8

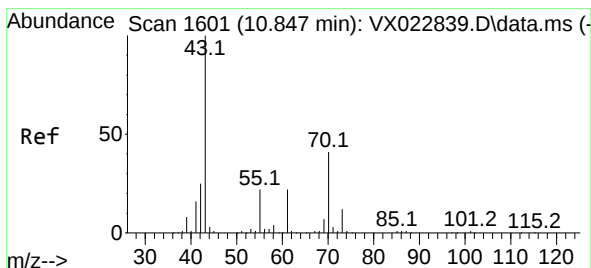
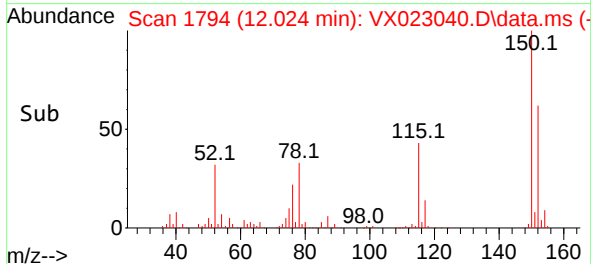
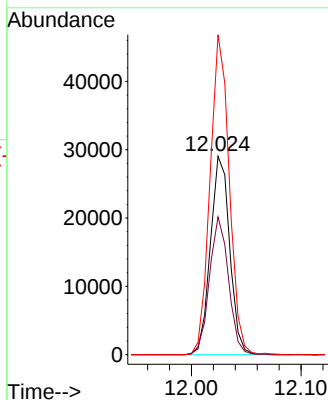
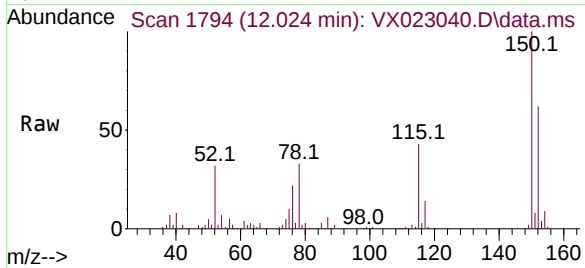




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

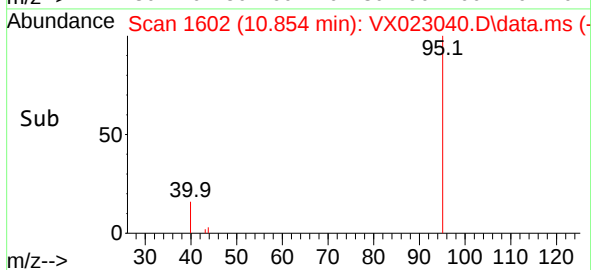
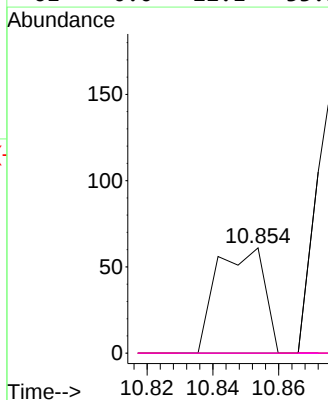
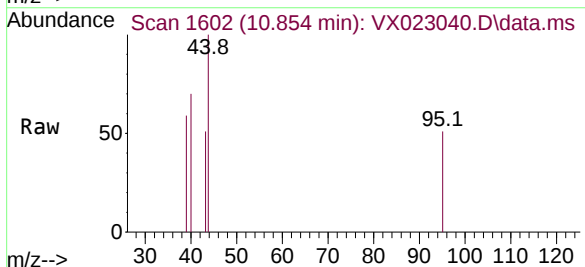
Instrument :
MSVOA_X
ClientSampled :

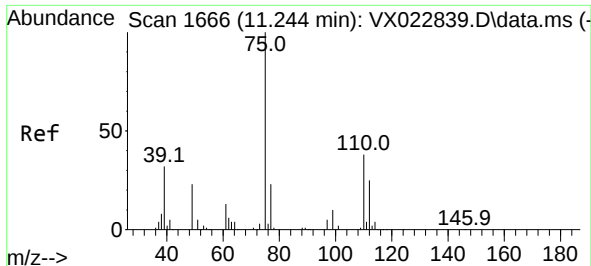
Tgt Ion:152 Resp: 35472
Ion Ratio Lower Upper
152 100
115 68.5 41.1 123.3
150 160.7 0.0 349.0



#74
N-ethyl acetate
Concen: 2.089 ug/l
RT: 10.854 min Scan# 1602
Delta R.T. 0.007 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 43 Resp: 61
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#

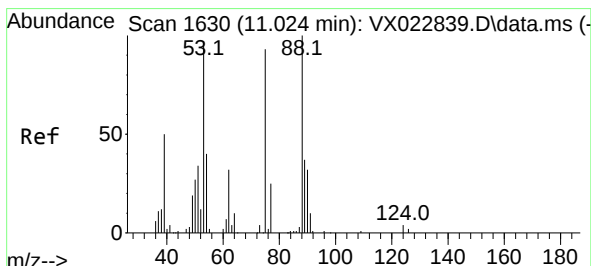
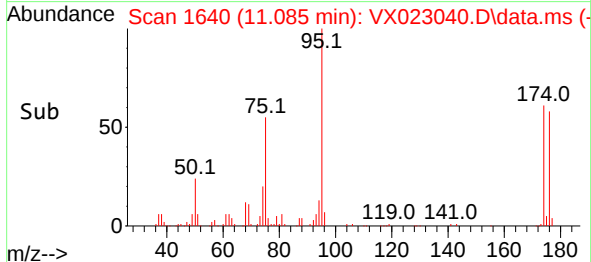
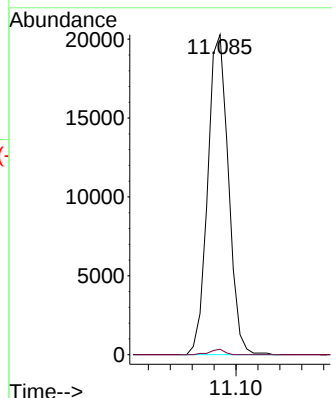
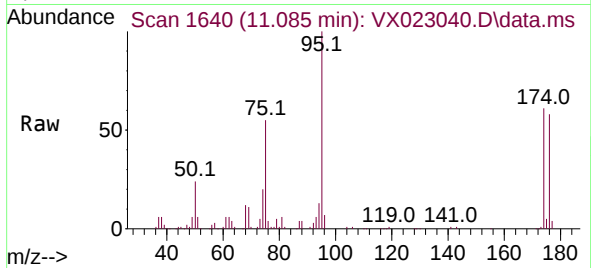




#76
1,2,3-Trichloropropane
Concen: 28.382 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

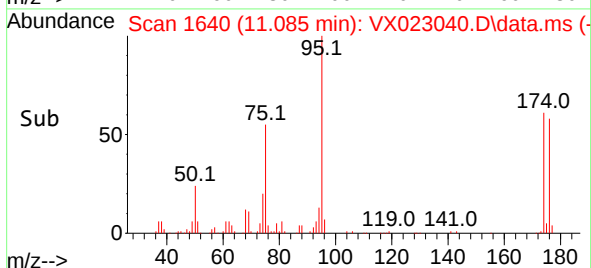
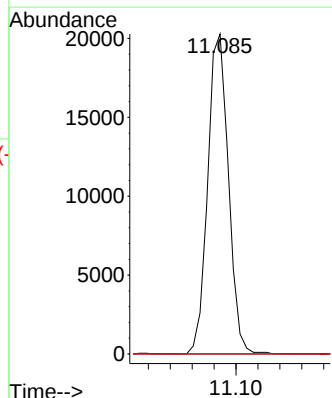
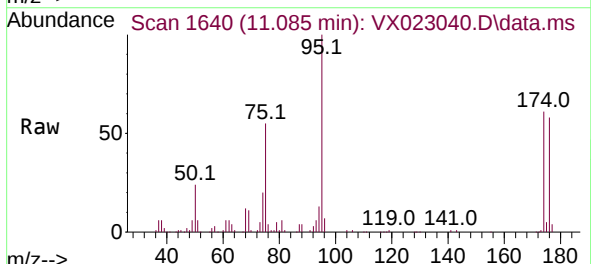
Instrument :
MSVOA_X
ClientSampled :

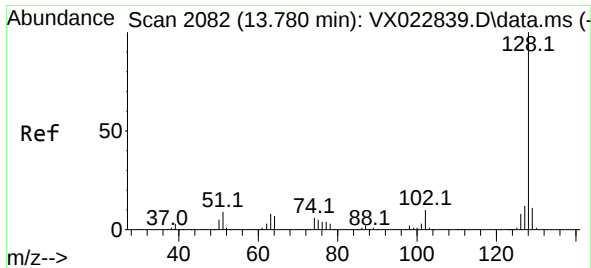
Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.190 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Tgt Ion: 75 Resp: 26593
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#





#95
Naphthalene
Concen: 1.957 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023040.D
Acq: 30 Jun 2021 17:41

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion:128 Resp: 104
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

