

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062921\
 Data File : VX023000.D
 Acq On : 29 Jun 2021 13:57
 Operator : JC/MD
 Sample : M2875-20
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 30 01:43:33 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)

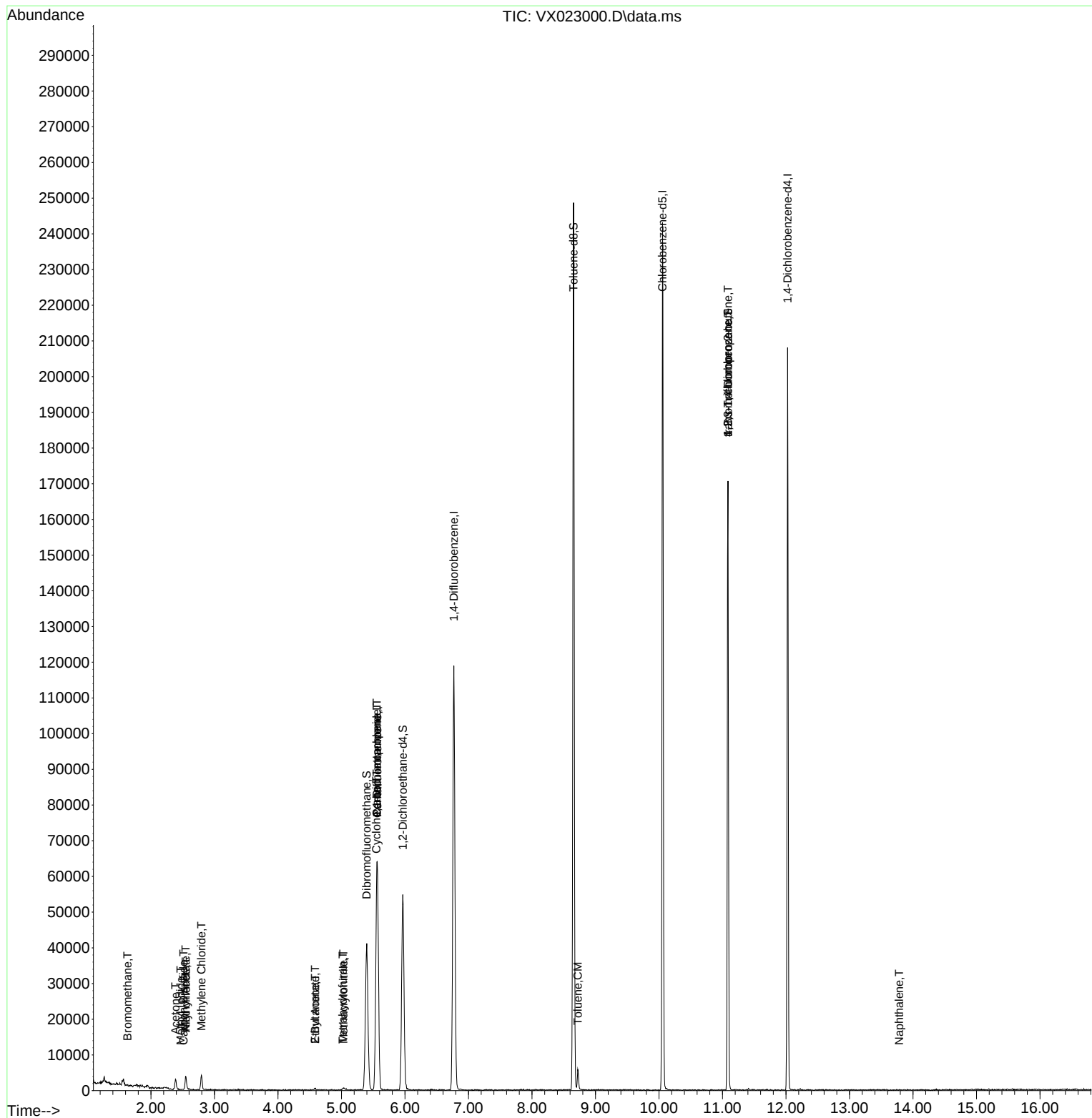
Internal Standards						
1) Pentafluorobenzene	5.562	168	53476	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	111106	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	95730	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	35534	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	50411	51.945	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	103.880%
35) Dibromofluoromethane	5.397	113	33746	47.829	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.660%
50) Toluene-d8	8.653	98	134005	48.462	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	96.920%
62) 4-Bromofluorobenzene	11.085	95	46010	44.584	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	89.160%
Target Compounds						
						Qvalue
5) Bromomethane	1.630	94	90	0.214	ug/l	# 2
10) Methyl Iodide	2.465	142	53	3.938	ug/l	# 42
14) Allyl chloride	2.550	41	422	0.320	ug/l	# 32
16) Acetone	2.386	43	3045	7.077	ug/l	95
17) Carbon Disulfide	2.514	76	29	3.530	ug/l	# 75
18) Methyl Acetate	2.544	43	1375	1.299	ug/l	# 47
20) Methylene Chloride	2.794	84	1685	2.332	ug/l	# 93
25) 2-Butanone	4.587	43	383	0.572	ug/l	# 52
29) Tetrahydrofuran	5.019	42	576	1.338	ug/l	# 33
31) Cyclohexane	5.550	56	795	0.580	ug/l	# 30
36) 1,1-Dichloropropene	5.556	75	6077	5.149	ug/l	# 47
37) Ethyl Acetate	4.587	43	383	0.280	ug/l	# 64
38) Carbon Tetrachloride	5.556	117	6644	6.712	ug/l	# 16
41) Methacrylonitrile	5.032	41	189	0.251	ug/l	# 1
52) Toluene	8.720	92	1834	0.892	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	26502	28.236	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	26502	72.846	ug/l	# 12
95) Naphthalene	13.780	128	118	1.962	ug/l	# 69

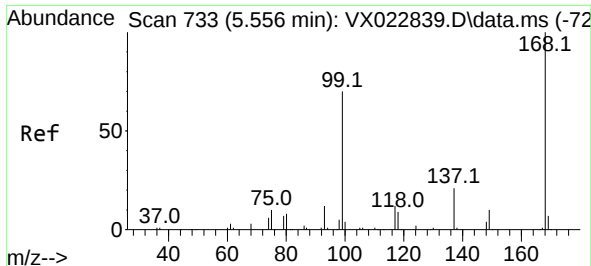
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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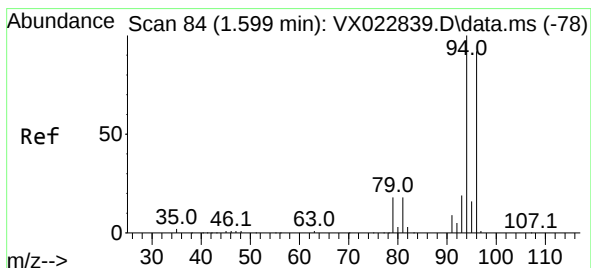
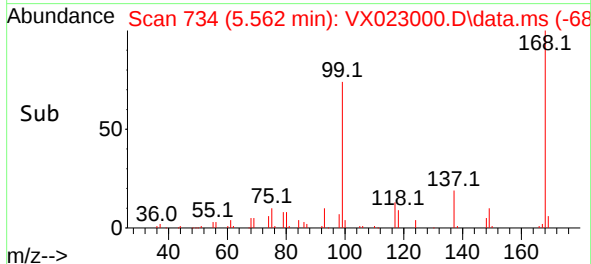
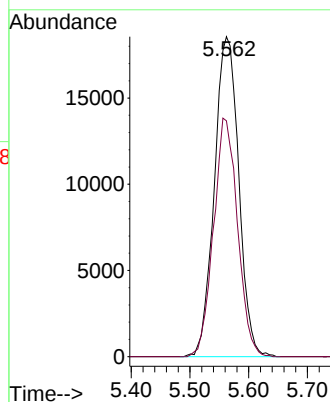
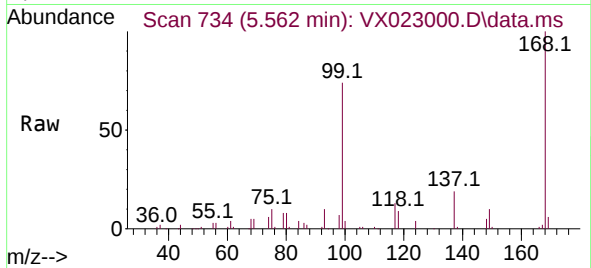




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

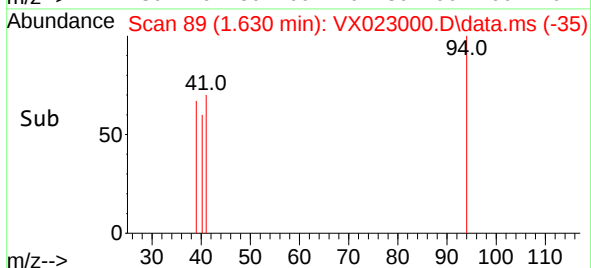
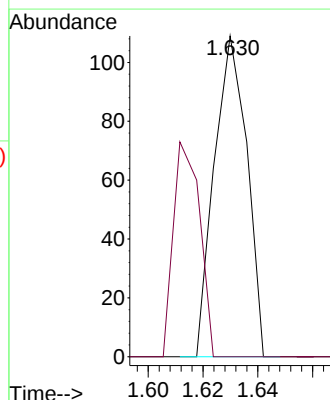
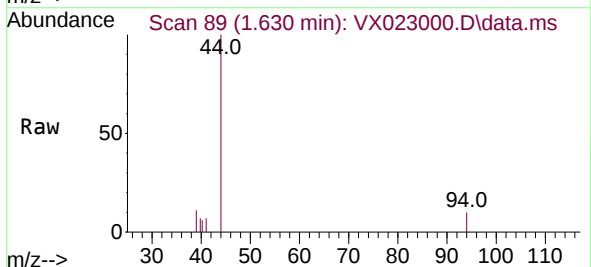
Instrument :
MSVOA_X
ClientSampled :

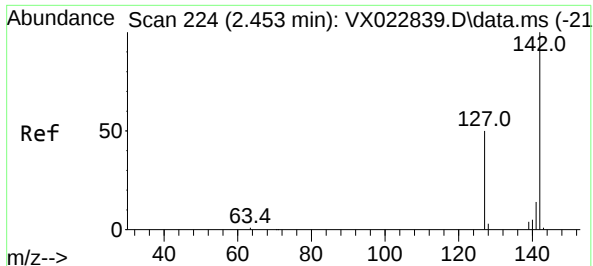
Tgt Ion:168 Resp: 53476
Ion Ratio Lower Upper
168 100
99 73.7 45.8 68.6#



#5
Bromomethane
Concen: 0.214 ug/l
RT: 1.630 min Scan# 89
Delta R.T. 0.031 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 94 Resp: 90
Ion Ratio Lower Upper
94 100
96 0.0 76.4 114.6#

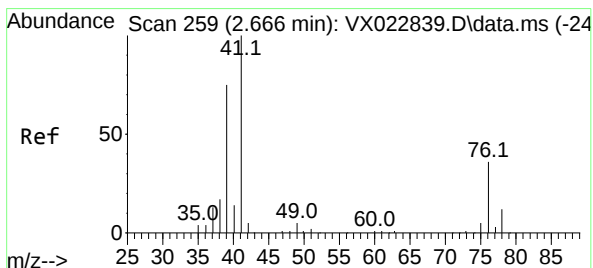
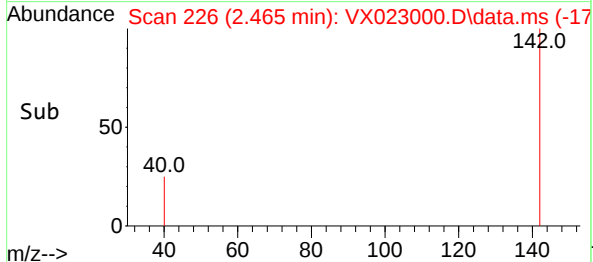
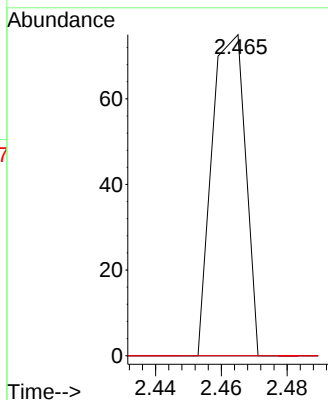
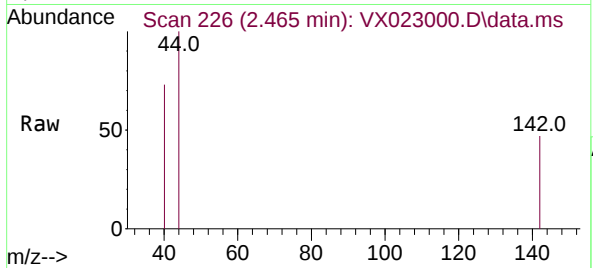




#10
Methyl Iodide
Concen: 3.938 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

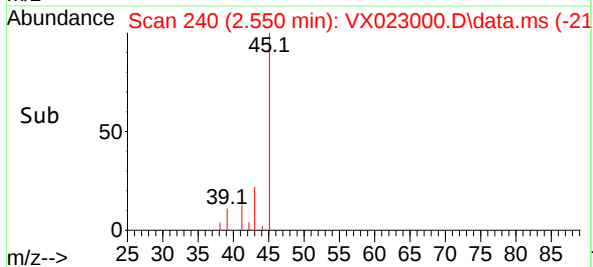
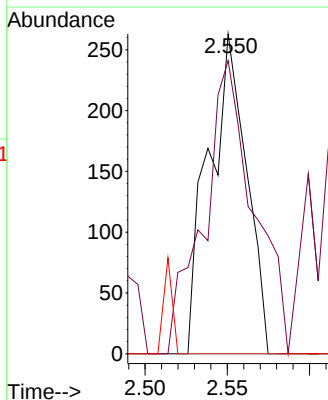
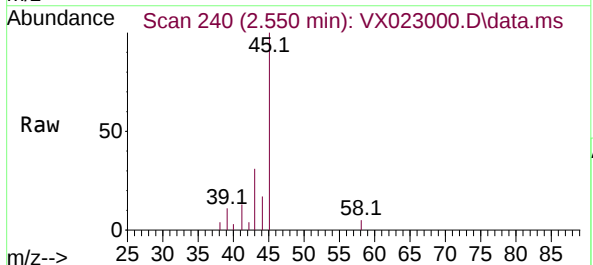
Instrument :
MSVOA_X
ClientSampled :

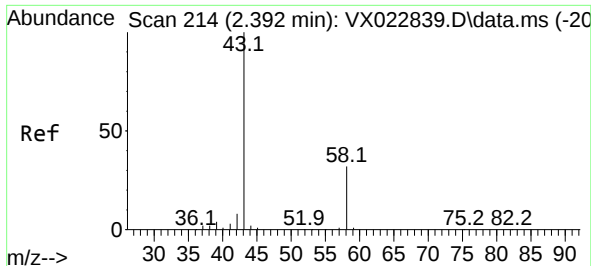
Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 33.3 49.9#
141 0.0 11.4 17.0#



#14
Allyl chloride
Concen: 0.320 ug/l
RT: 2.550 min Scan# 240
Delta R.T. -0.116 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 41 Resp: 422
Ion Ratio Lower Upper
41 100
39 119.9 51.6 77.4#
76 0.0 30.5 45.7#

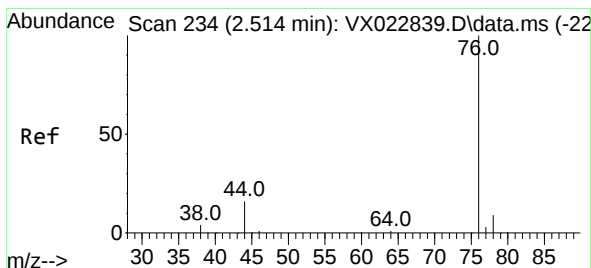
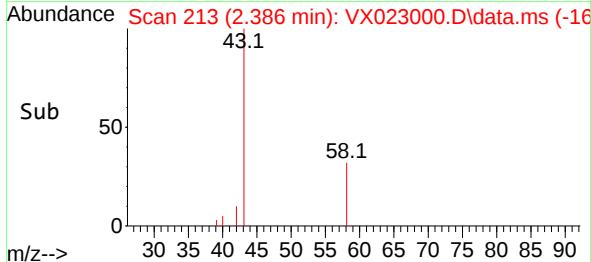
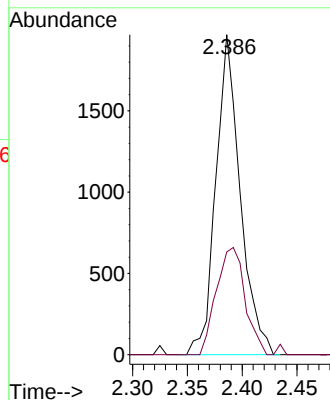
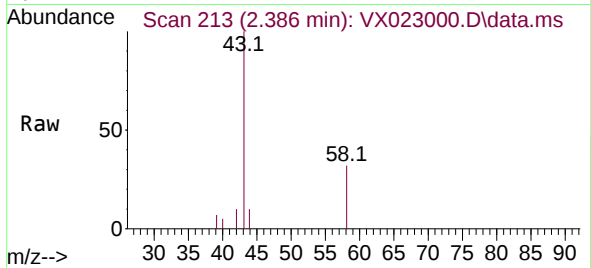




#16
Acetone
Concen: 7.077 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

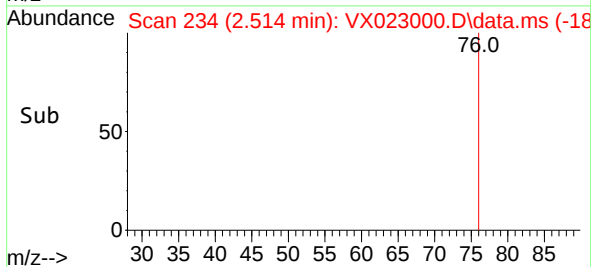
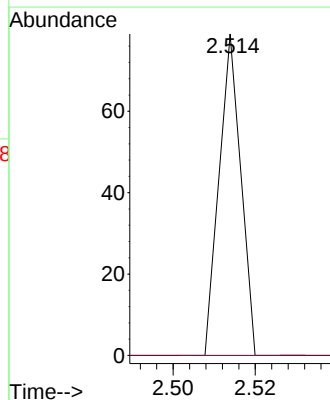
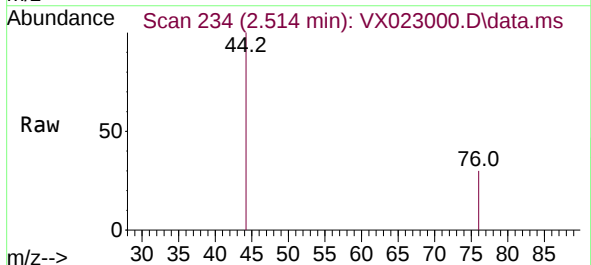
Instrument :
MSVOA_X
ClientSampled :

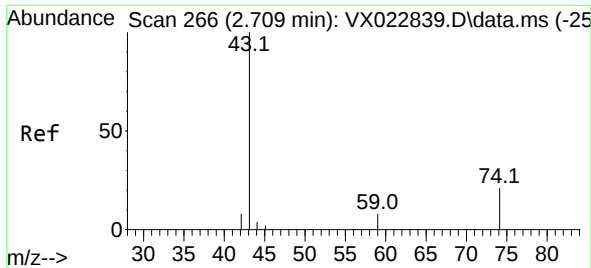
Tgt Ion: 43 Resp: 3045
Ion Ratio Lower Upper
43 100
58 32.1 27.8 41.8



#17
Carbon Disulfide
Concen: 3.530 ug/l
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 76 Resp: 29
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

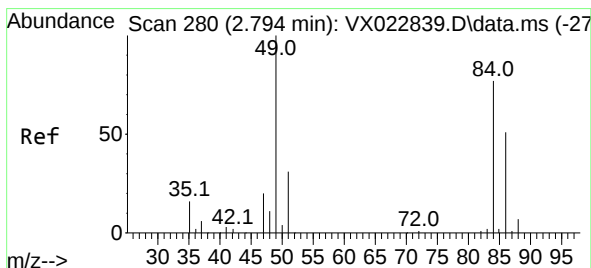
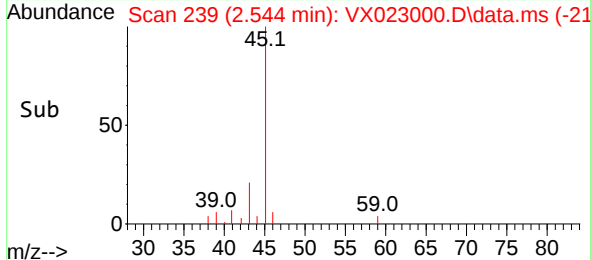
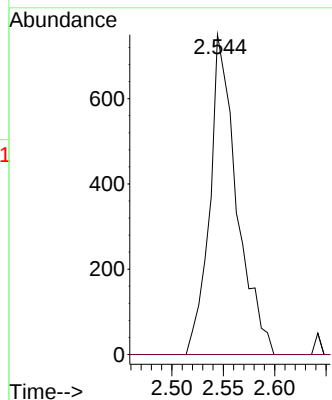
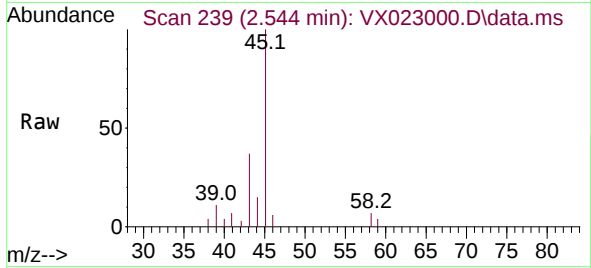




#18
Methyl Acetate
Concen: 1.299 ug/l
RT: 2.544 min Scan# 239
Delta R.T. -0.165 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

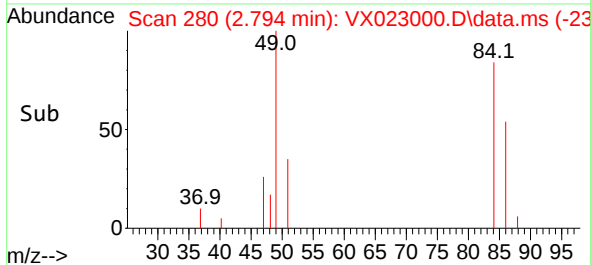
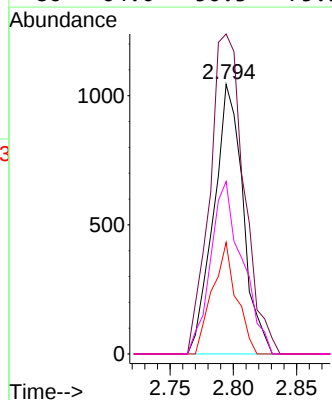
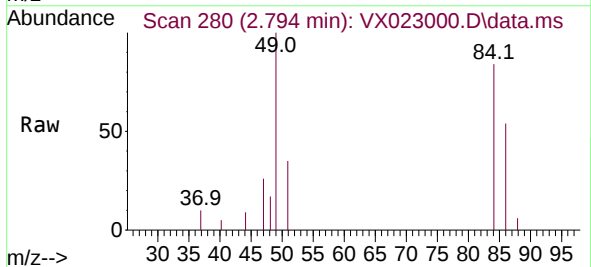
Instrument :
MSVOA_X
ClientSampled :

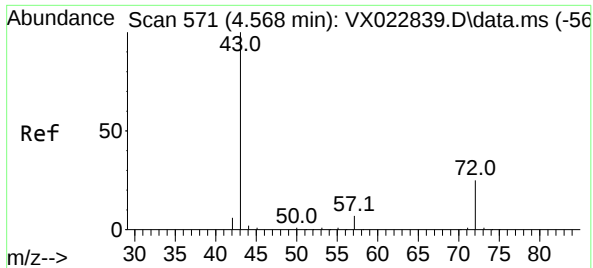
Tgt Ion: 43 Resp: 1375
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



#20
Methylene Chloride
Concen: 2.332 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 84 Resp: 1685
Ion Ratio Lower Upper
84 100
49 118.7 88.6 132.8
51 41.4 27.0 40.6#
86 64.0 50.3 75.5





#25

2-Butanone

Concen: 0.572 ug/l

RT: 4.587 min Scan# 574

Delta R.T. 0.019 min

Lab File: VX023000.D

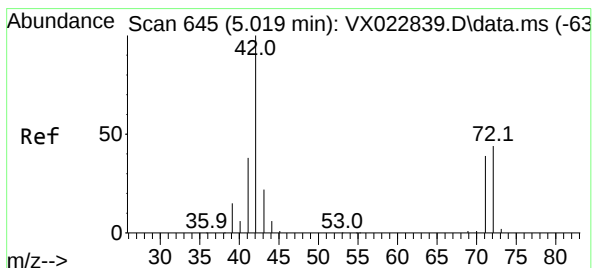
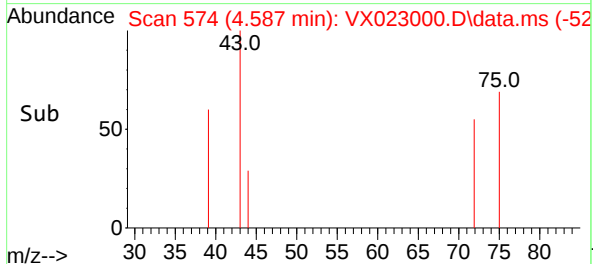
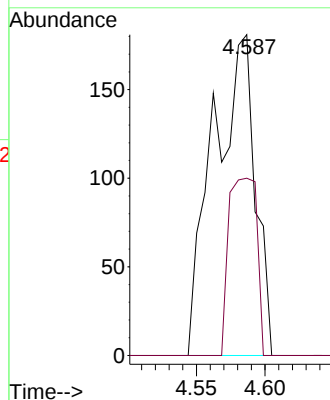
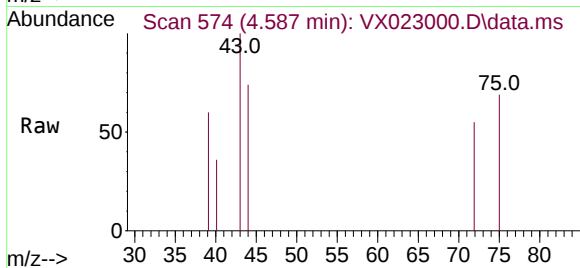
Acq: 29 Jun 2021 13:57

Tgt Ion: 43 Resp: 383

Ion Ratio Lower Upper

43 100

72 55.2 23.7 35.5#



#29

Tetrahydrofuran

Concen: 1.338 ug/l

RT: 5.019 min Scan# 645

Delta R.T. 0.000 min

Lab File: VX023000.D

Acq: 29 Jun 2021 13:57

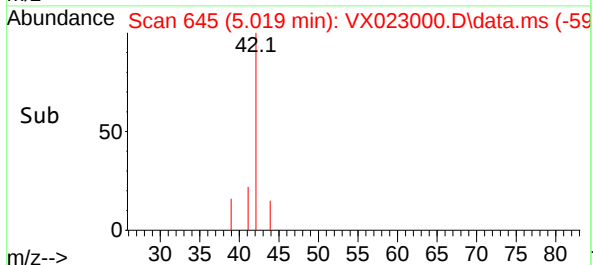
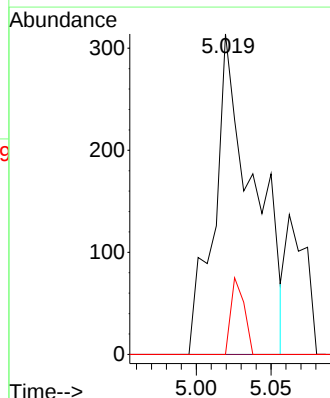
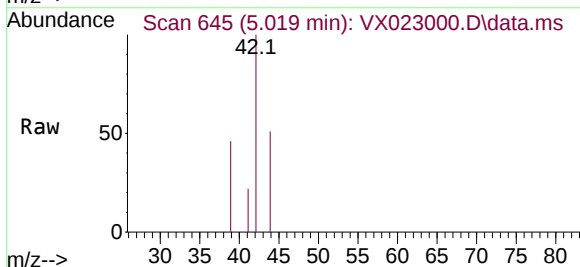
Tgt Ion: 42 Resp: 576

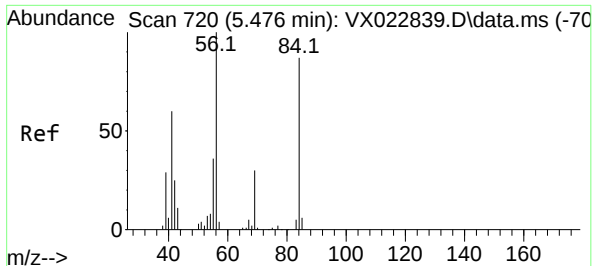
Ion Ratio Lower Upper

42 100

72 0.0 41.7 62.5#

71 8.0 38.4 57.6#

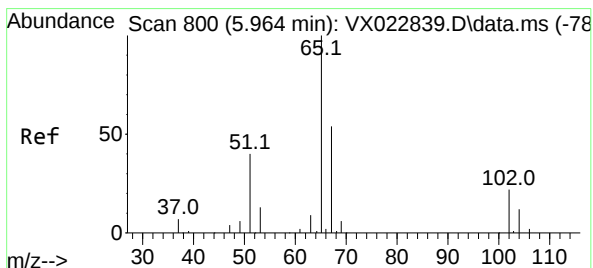
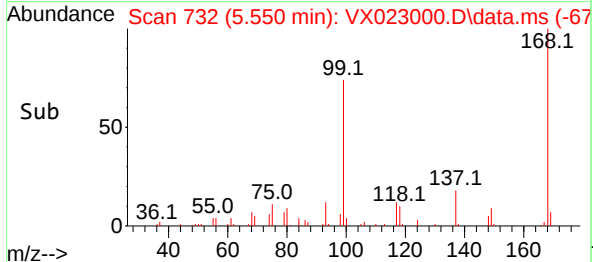
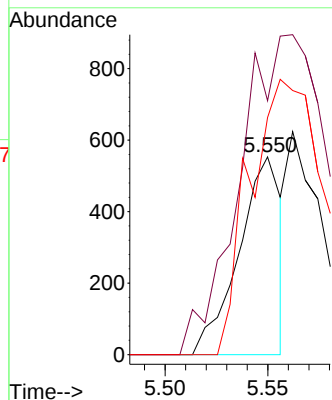
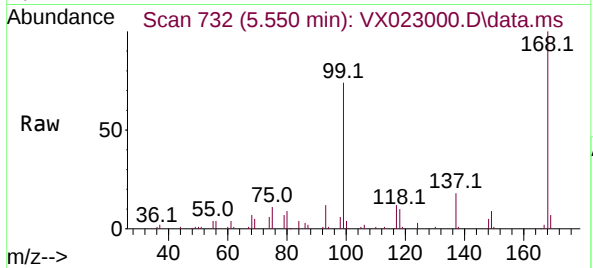




#31
Cyclohexane
Concen: 0.580 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.074 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

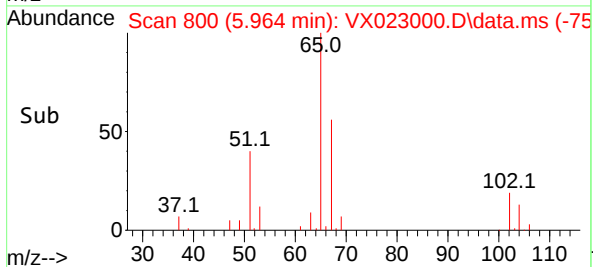
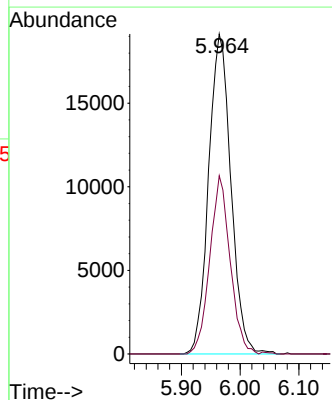
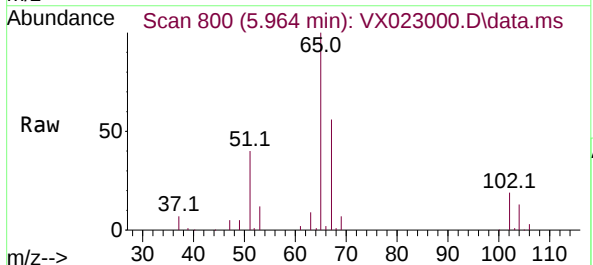
Instrument :
MSVOA_X
ClientSampled :

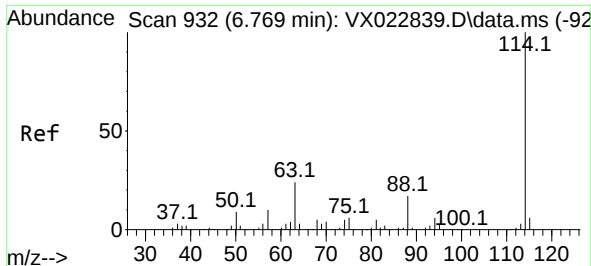
Tgt Ion: 56 Resp: 795
Ion Ratio Lower Upper
56 100
69 128.4 25.3 37.9#
84 119.9 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 51.945 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 65 Resp: 50411
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.4

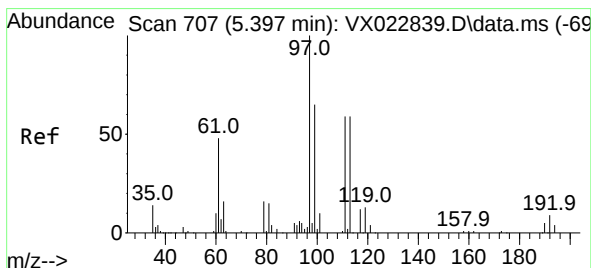
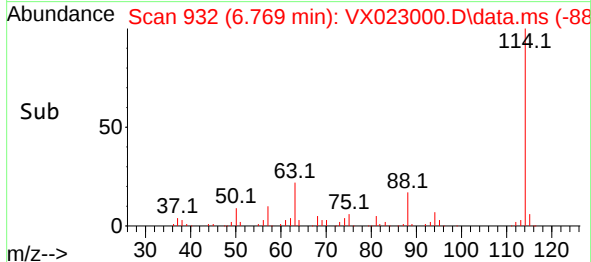
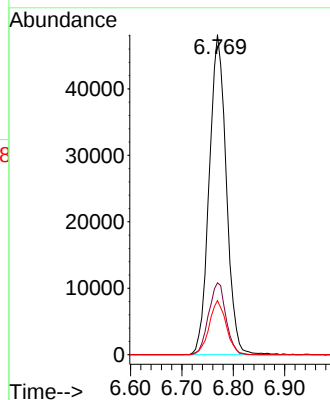
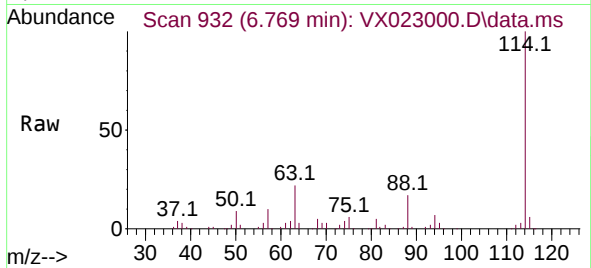




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

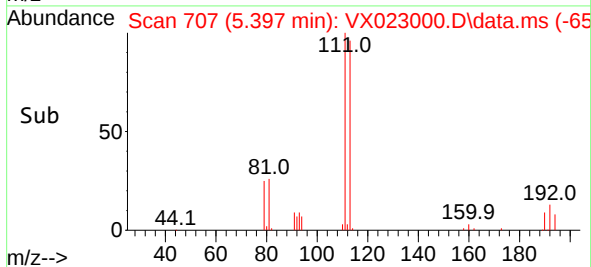
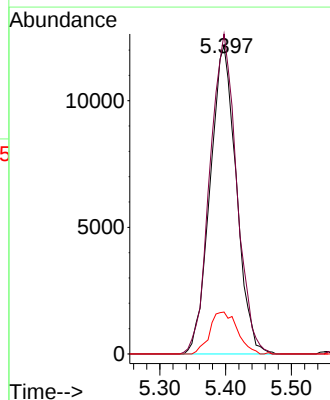
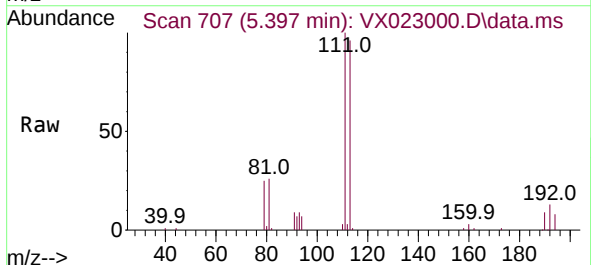
Instrument :
MSVOA_X
ClientSampled :

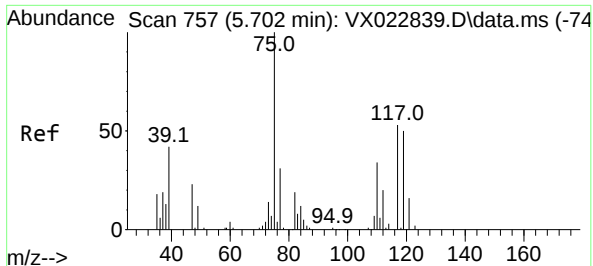
Tgt Ion:114 Resp: 111106
Ion Ratio Lower Upper
114 100
63 22.4 0.0 40.8
88 16.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 47.829 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion:113 Resp: 33746
Ion Ratio Lower Upper
113 100
111 106.2 81.9 122.9
192 14.3 16.7 25.1#





#36

1,1-Dichloropropene

Concen: 5.149 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023000.D

Acq: 29 Jun 2021 13:57

Tgt Ion: 75 Resp: 6077

Ion Ratio Lower Upper

75 100

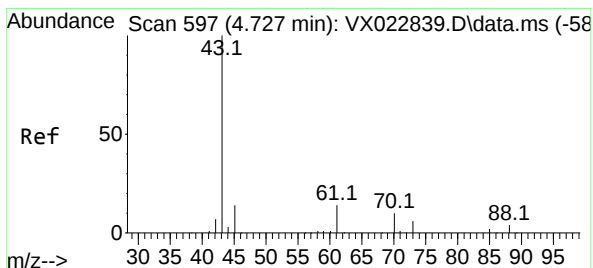
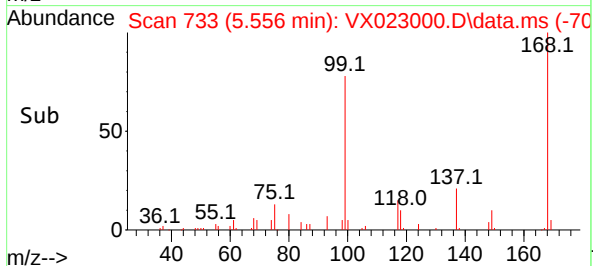
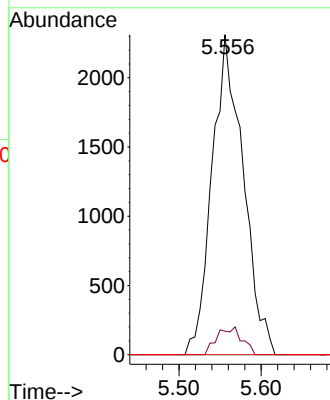
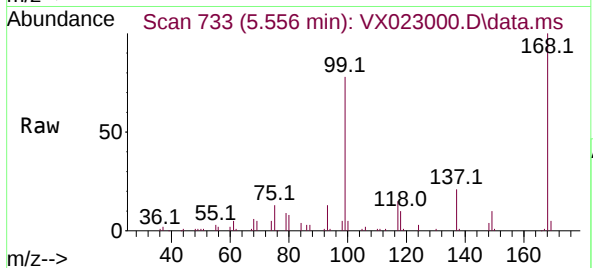
110 7.0 18.1 54.4#

77 0.0 25.3 37.9#

Instrument :

MSVOA_X

ClientSampled :



#37

Ethyl Acetate

Concen: 0.280 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.140 min

Lab File: VX023000.D

Acq: 29 Jun 2021 13:57

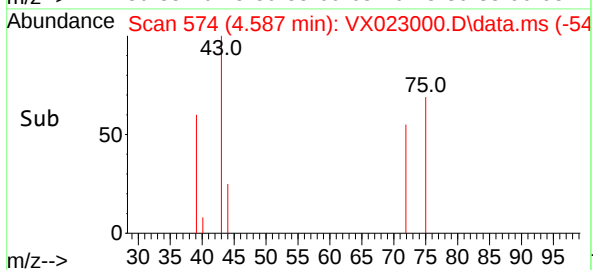
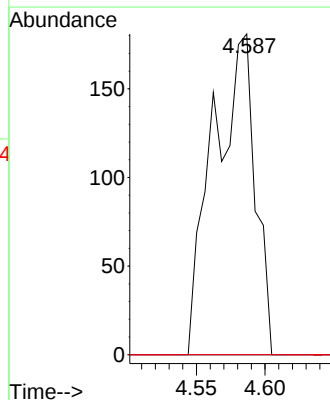
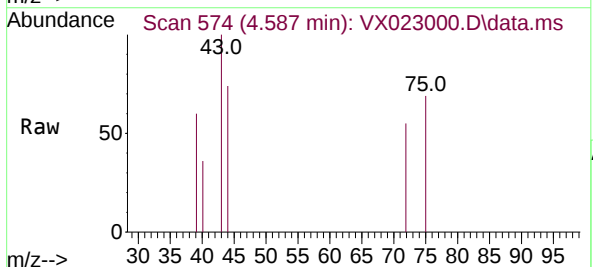
Tgt Ion: 43 Resp: 383

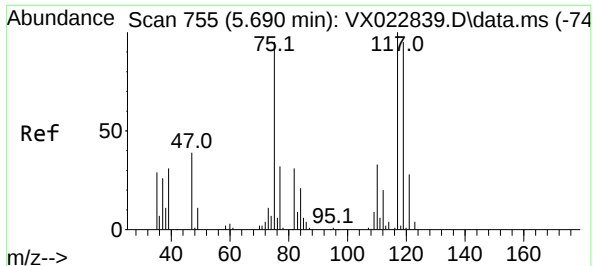
Ion Ratio Lower Upper

43 100

61 0.0 12.8 19.2#

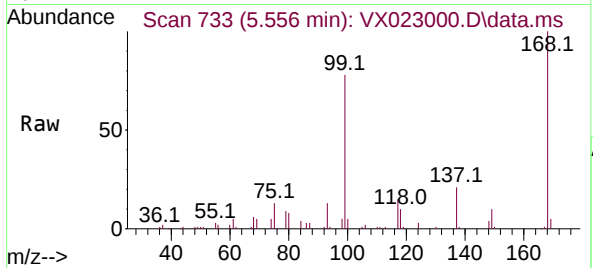
70 0.0 10.5 15.7#



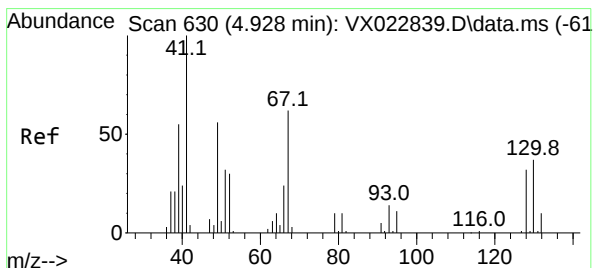
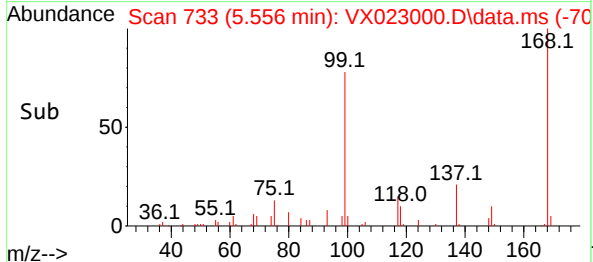
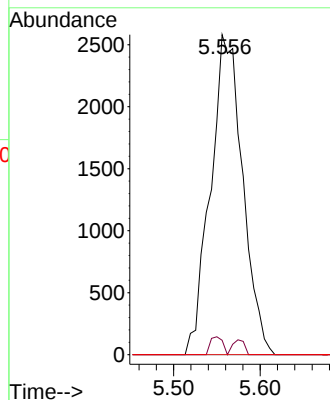


#38
Carbon Tetrachloride
Concen: 6.712 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.134 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Instrument :
MSVOA_X
ClientSampled :

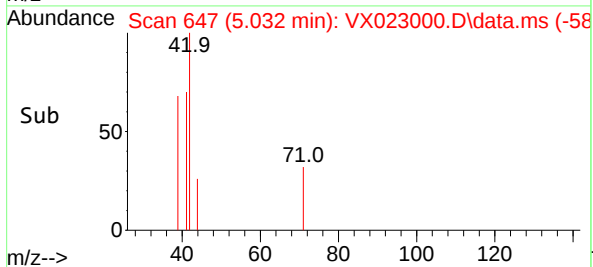
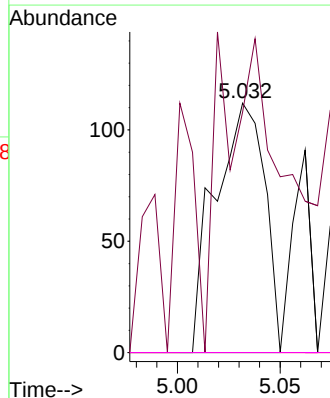
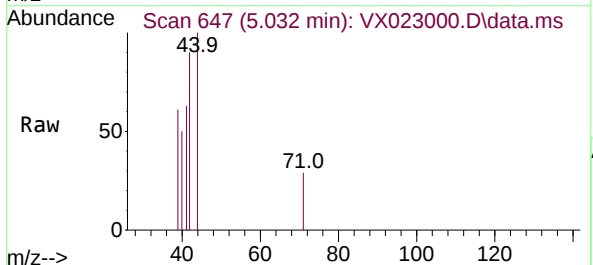


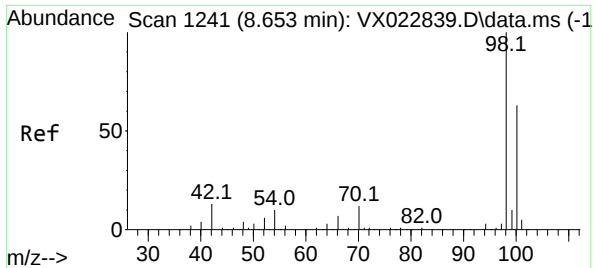
Tgt Ion:117 Resp: 6644
Ion Ratio Lower Upper
117 100
119 4.5 76.2 114.2#
121 0.0 24.8 37.2#



#41
Methacrylonitrile
Concen: 0.251 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.104 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 41 Resp: 189
Ion Ratio Lower Upper
41 100
39 166.1 42.5 63.7#
67 0.0 65.0 97.6#
52 0.0 25.3 37.9#

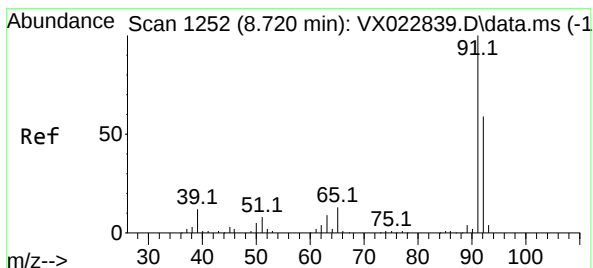
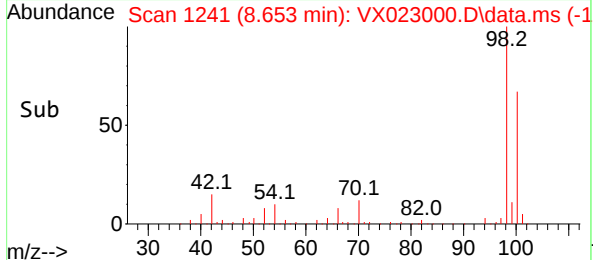
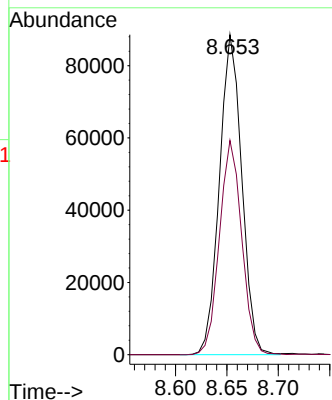
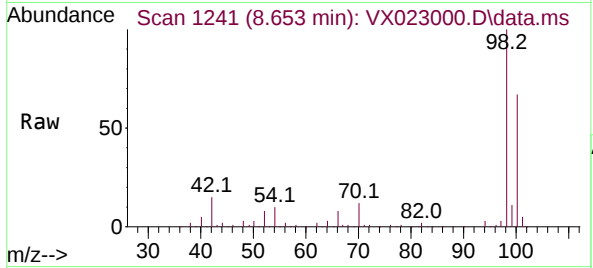




#50
Toluene-d8
Concen: 48.462 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

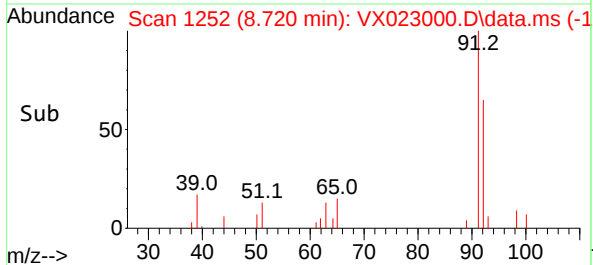
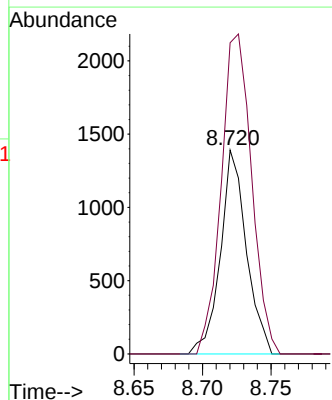
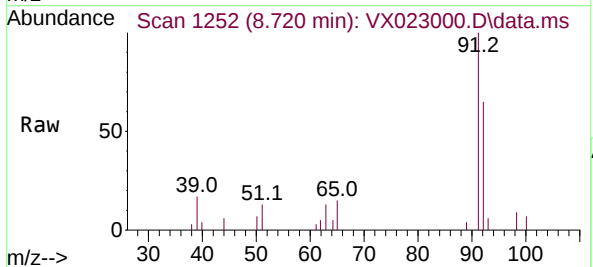
Instrument :
MSVOA_X
ClientSampled :

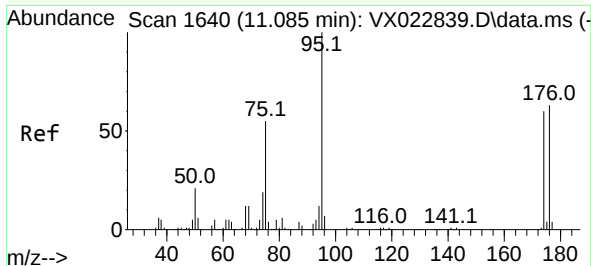
Tgt Ion: 98 Resp: 134005
Ion Ratio Lower Upper
98 100
100 66.5 51.9 77.9



#52
Toluene
Concen: 0.892 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 92 Resp: 1834
Ion Ratio Lower Upper
92 100
91 183.7 137.1 205.7

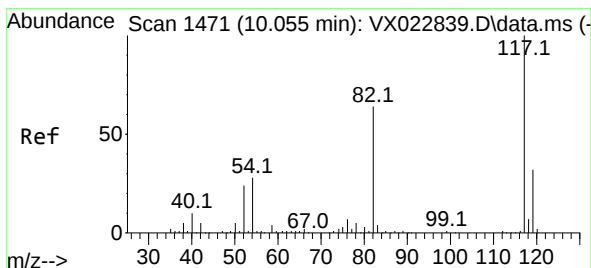
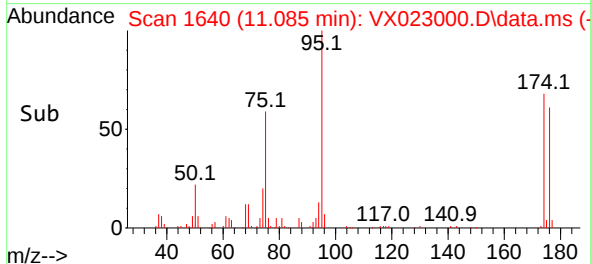
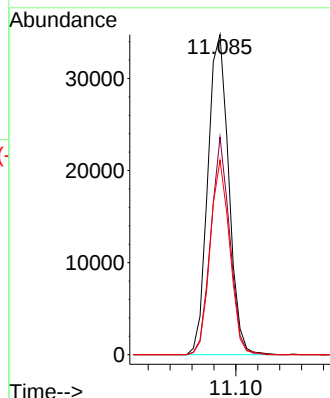
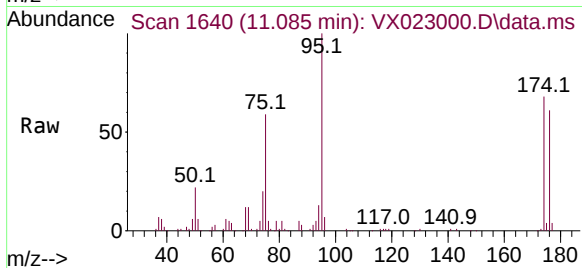




#62
4-Bromofluorobenzene
Concen: 44.584 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

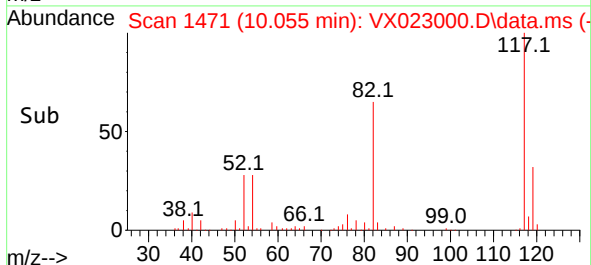
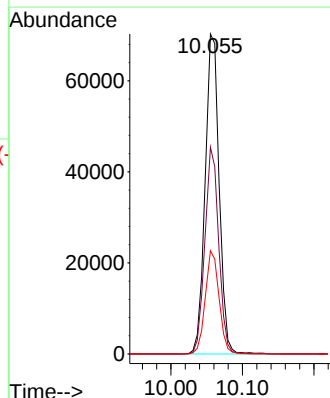
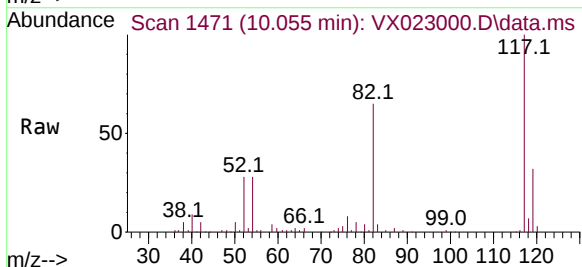
Instrument :
MSVOA_X
ClientSampled :

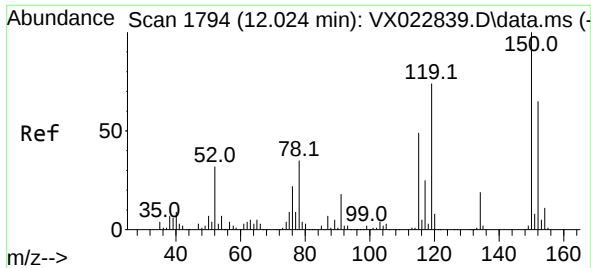
Tgt Ion: 95 Resp: 46010
Ion Ratio Lower Upper
95 100
174 61.7 0.0 154.6
176 57.0 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 117 Resp: 95730
Ion Ratio Lower Upper
117 100
82 64.7 47.4 71.2
119 32.2 26.6 39.8

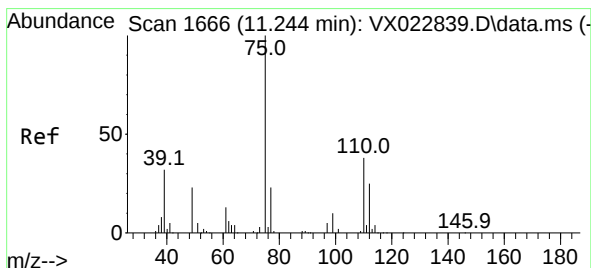
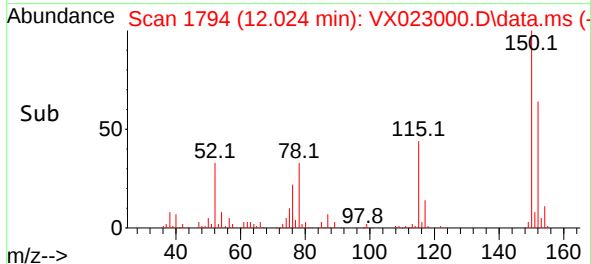
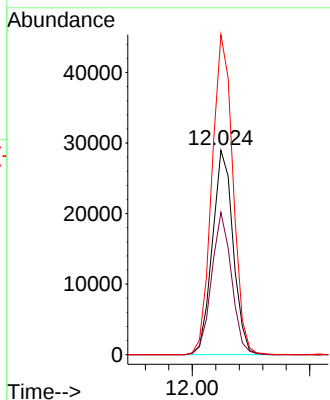
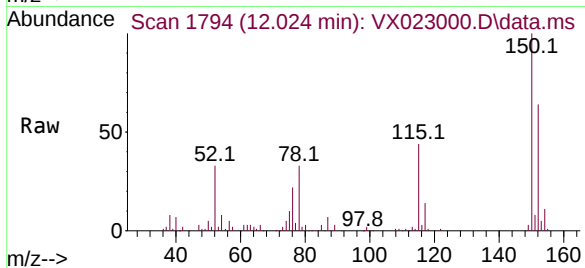




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

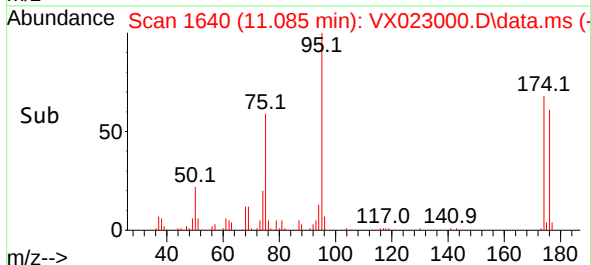
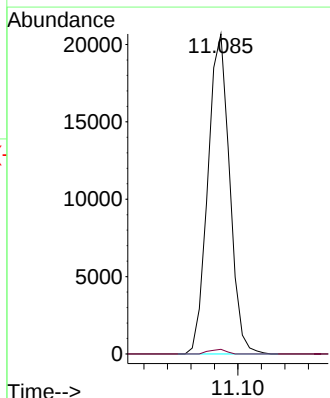
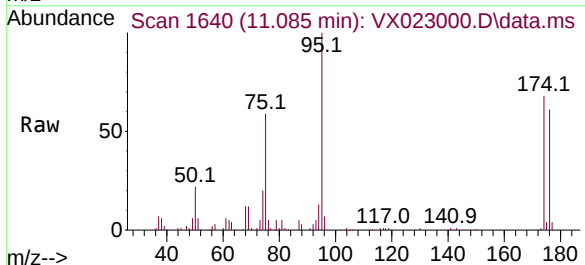
Instrument :
MSVOA_X
ClientSampled :

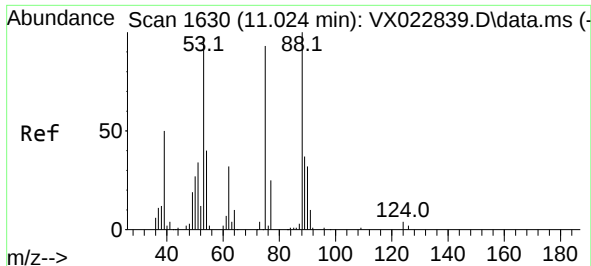
Tgt Ion:152 Resp: 35534
Ion Ratio Lower Upper
152 100
115 66.8 41.1 123.3
150 158.4 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 28.236 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion: 75 Resp: 26502
Ion Ratio Lower Upper
75 100
77 1.2 19.1 57.5#

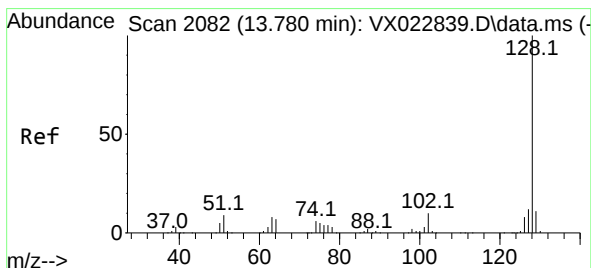
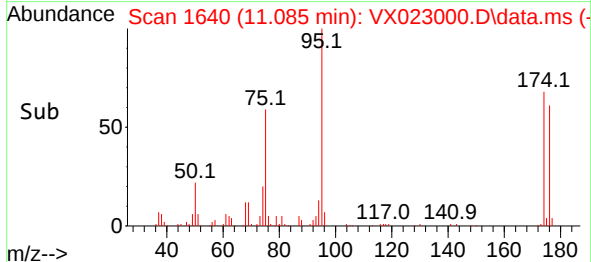
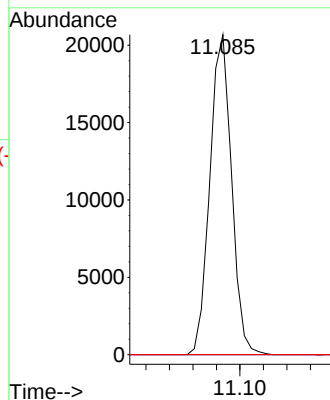
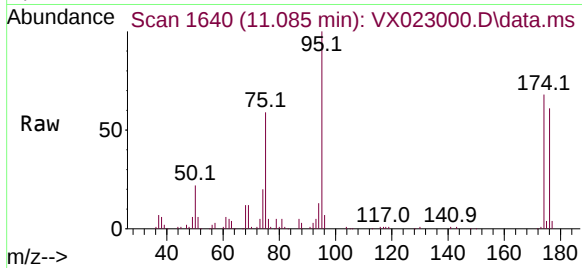




#81
trans-1,4-Dichloro-2-butene
Concen: 72.846 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 26502
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.962 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023000.D
Acq: 29 Jun 2021 13:57

Tgt Ion:128 Resp: 118
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

