

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX063021\
 Data File : VX023045.D
 Acq On : 30 Jun 2021 19:39
 Operator : JC/MD
 Sample : M2898-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 01 03:28:11 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)

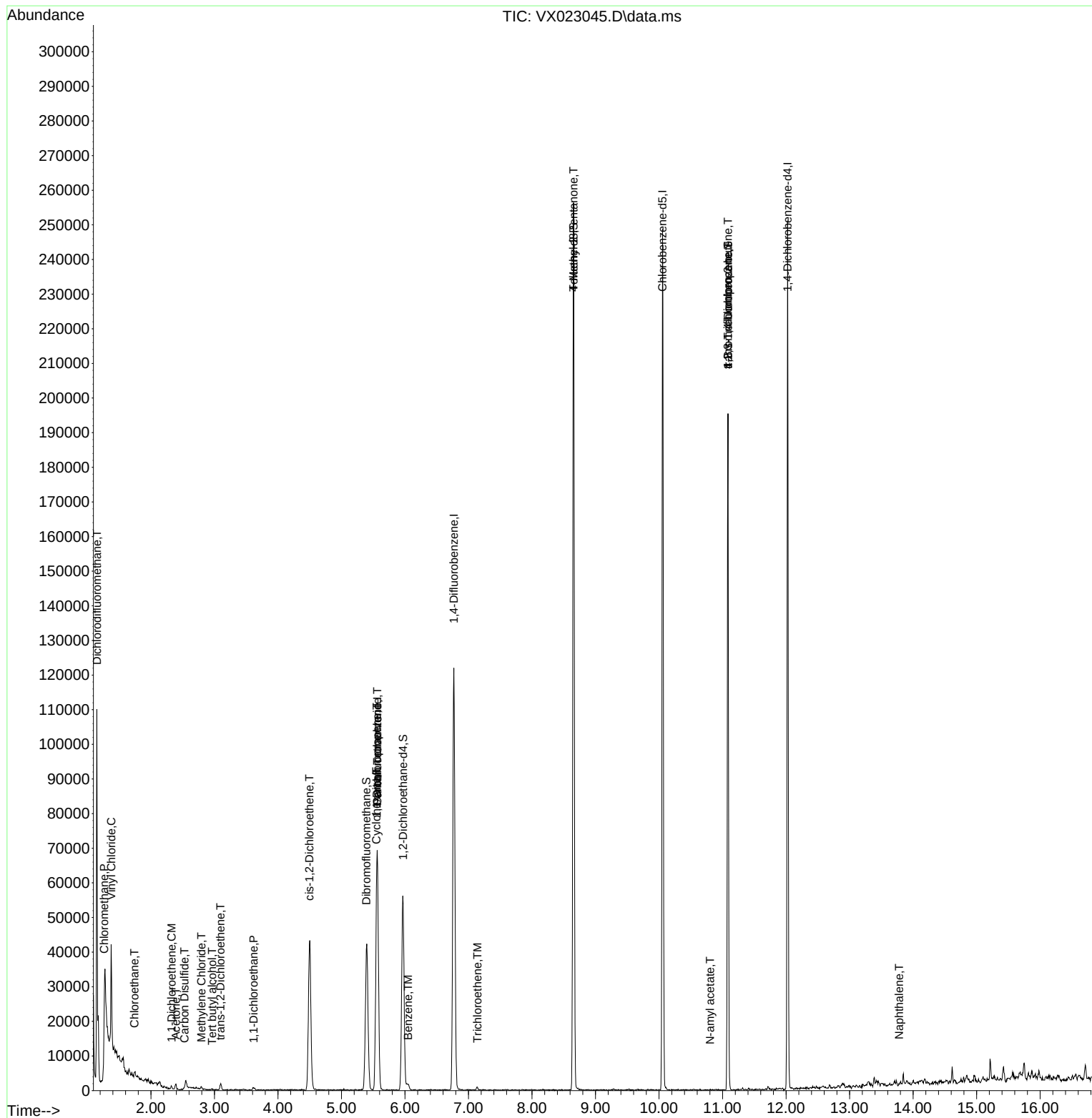
Internal Standards						
1) Pentafluorobenzene	5.562	168	56302	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.769	114	112958	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	100644	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	40614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	52106	50.996	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.000%	
35) Dibromofluoromethane	5.391	113	35530	49.532	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 99.060%	
50) Toluene-d8	8.653	98	140470	49.967	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.940%	
62) 4-Bromofluorobenzene	11.085	95	49259	46.949	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 93.900%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.148	85	5003	6.298	ug/l	98
3) Chloromethane	1.264	50	1515	1.737	ug/l	# 42
4) Vinyl Chloride	1.374	62	15150	18.822	ug/l	# 87
6) Chloroethane	1.739	64	653	1.313	ug/l	# 57
11) Tert butyl alcohol	2.965	59	151	0.709	ug/l	# 73
12) 1,1-Dichloroethene	2.325	96	194	0.266	ug/l	# 64
16) Acetone	2.392	43	1485	3.278	ug/l	88
17) Carbon Disulfide	2.526	76	635	3.812	ug/l	# 75
20) Methylene Chloride	2.794	84	290	0.693	ug/l	# 72
21) trans-1,2-Dichloroethene	3.093	96	691	0.853	ug/l	95
24) 1,1-Dichloroethane	3.617	63	1089	0.706	ug/l	# 81
27) cis-1,2-Dichloroethene	4.495	96	24443	27.179	ug/l	99
31) Cyclohexane	5.550	56	877	0.608	ug/l	# 44
36) 1,1-Dichloropropene	5.556	75	6193	5.162	ug/l	# 47
38) Carbon Tetrachloride	5.562	117	7020	6.976	ug/l	# 12
40) Benzene	6.050	78	2136	0.617	ug/l	# 87
44) Trichloroethene	7.141	130	295	0.360	ug/l	88
51) 4-Methyl-2-Pentanone	8.653	43	744	0.535	ug/l	# 1
74) N-amyl acetate	10.805	43	20	2.065	ug/l	# 1
76) 1,2,3-Trichloropropane	11.085	75	28236	26.321	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	28236	68.346	ug/l	# 12
95) Naphthalene	13.780	128	71	1.943	ug/l	# 69

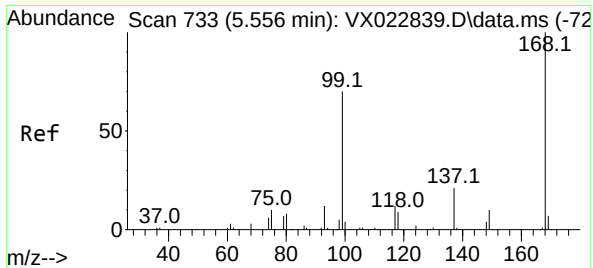
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ClientSampleId :

Quant Time: Jul 01 03:28:11 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

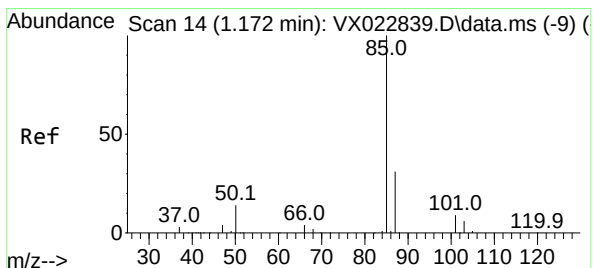
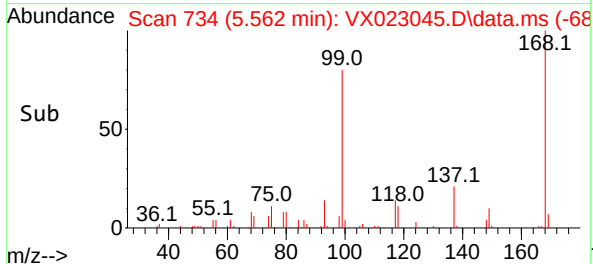
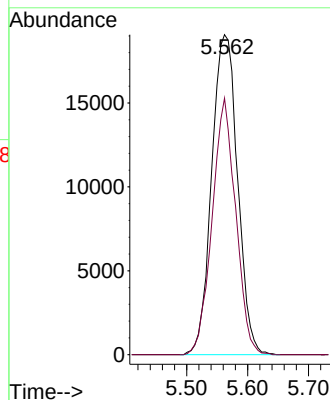
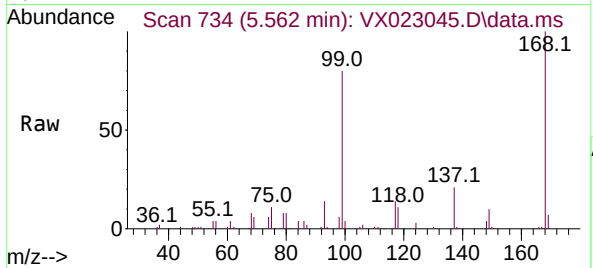




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.006 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

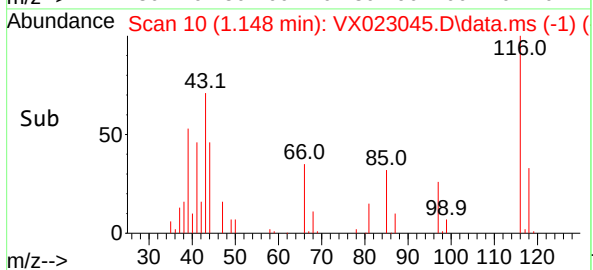
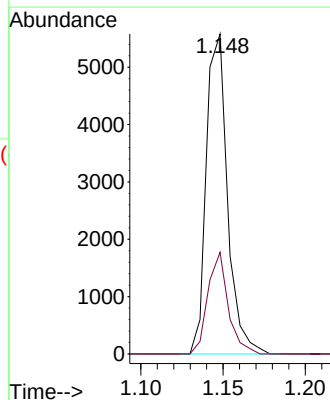
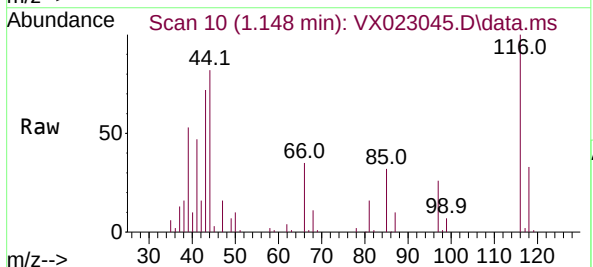
Instrument :
MSVOA_X
ClientSampleId :

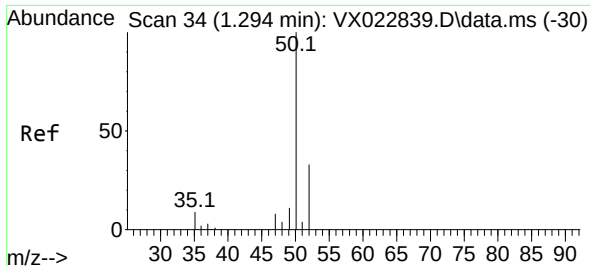
Tgt Ion:168 Resp: 56302
Ion Ratio Lower Upper
168 100
99 80.1 45.8 68.6#



#2
Dichlorodifluoromethane
Concen: 6.298 ug/l
RT: 1.148 min Scan# 10
Delta R.T. -0.024 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 85 Resp: 5003
Ion Ratio Lower Upper
85 100
87 31.8 16.4 49.2

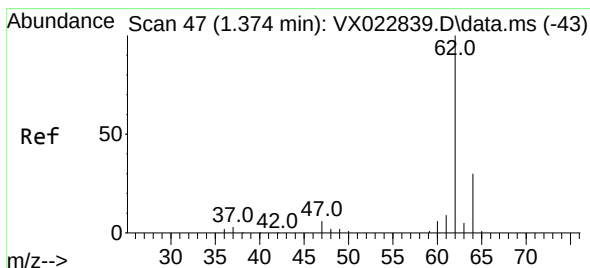
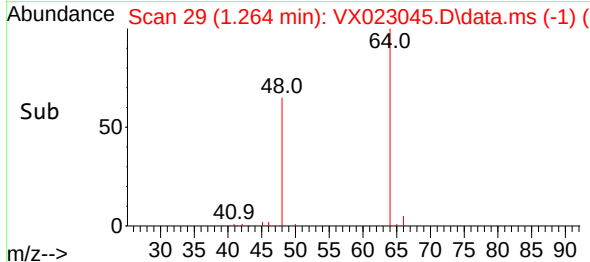
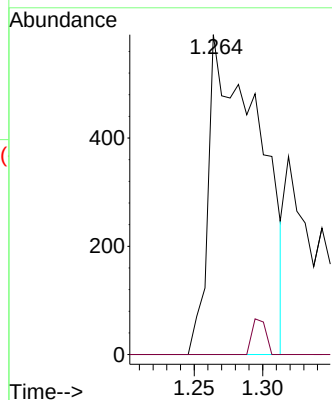
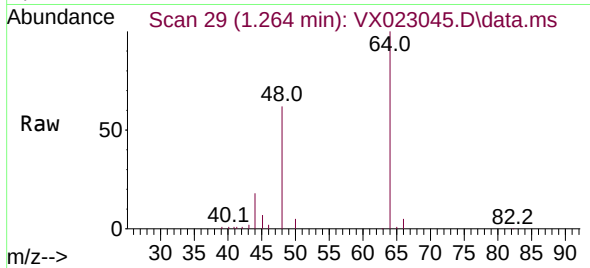




#3
Chloromethane
Concen: 1.737 ug/l
RT: 1.264 min Scan# 29
Delta R.T. -0.030 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

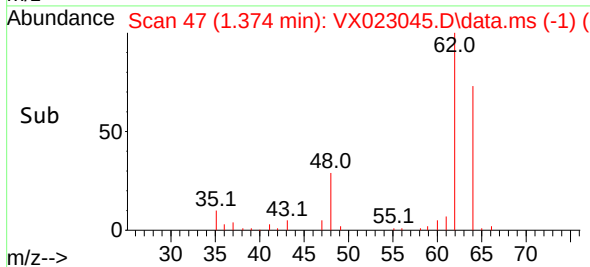
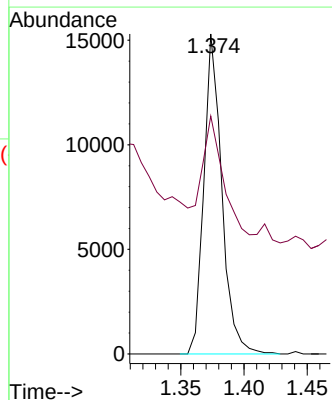
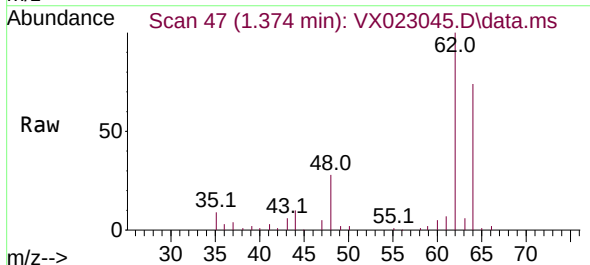
Instrument :
MSVOA_X
ClientSampled :

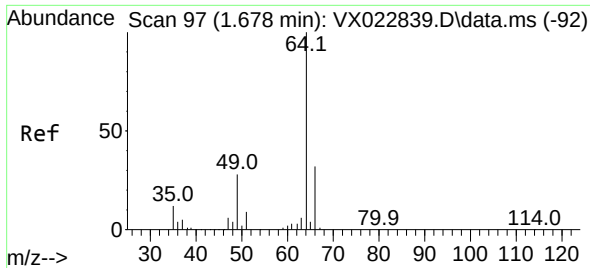
Tgt Ion: 50 Resp: 1515
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 18.822 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 62 Resp: 15150
Ion Ratio Lower Upper
62 100
64 39.6 25.7 38.5#

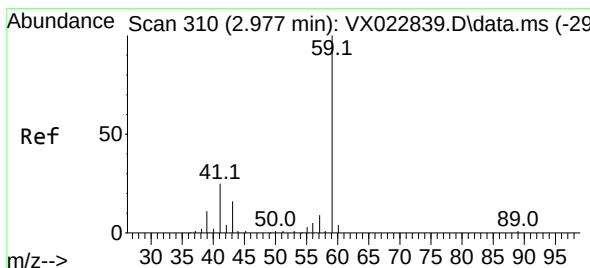
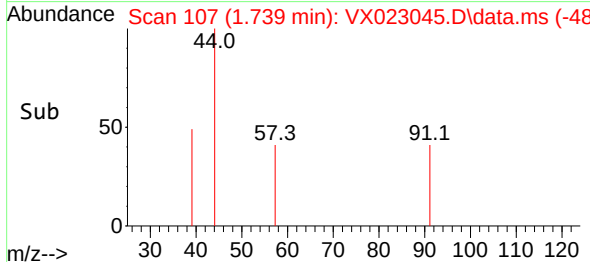
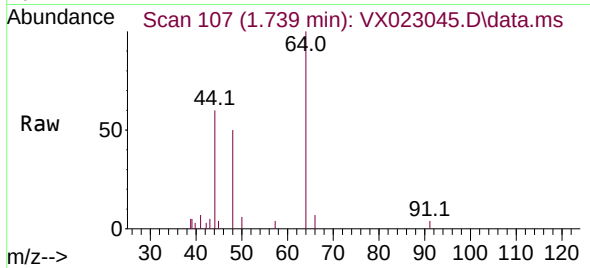




#6
Chloroethane
Concen: 1.313 ug/l
RT: 1.739 min Scan# 107
Delta R.T. 0.061 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

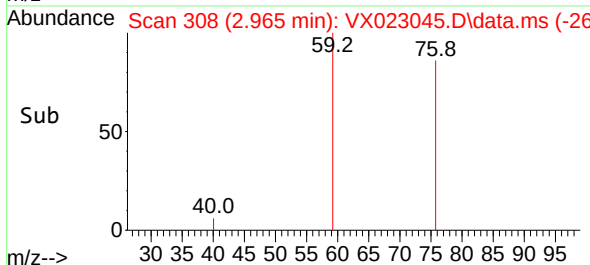
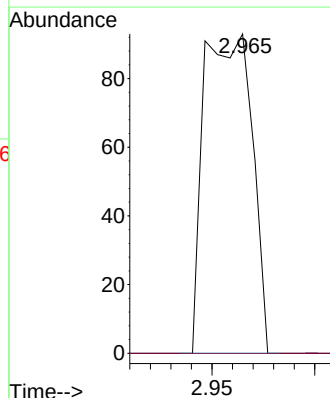
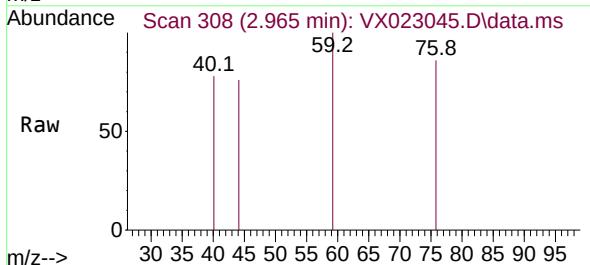
Instrument :
MSVOA_X
ClientSampled :

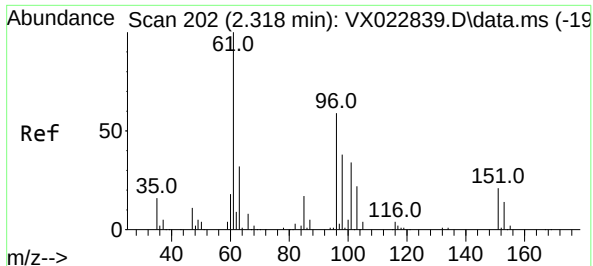
Tgt Ion: 64 Resp: 653
Ion Ratio Lower Upper
64 100
66 8.0 25.4 38.0#



#11
Tert butyl alcohol
Concen: 0.709 ug/l
RT: 2.965 min Scan# 308
Delta R.T. -0.012 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 59 Resp: 151
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#





#12

1,1-Dichloroethene

Concen: 0.266 ug/l

RT: 2.325 min Scan# 203

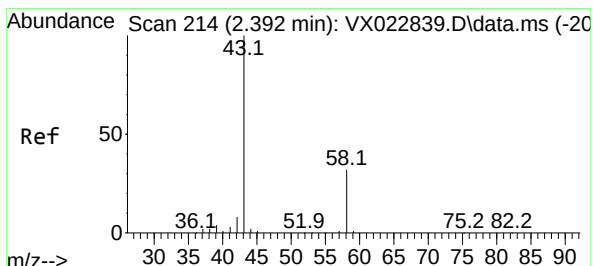
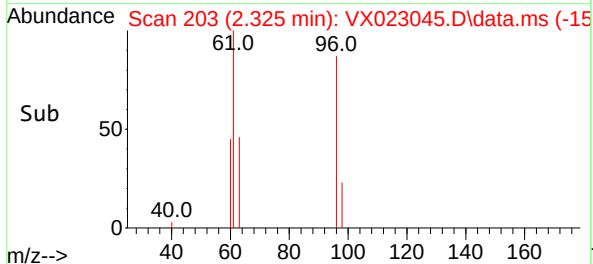
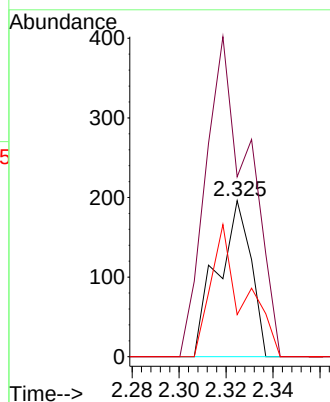
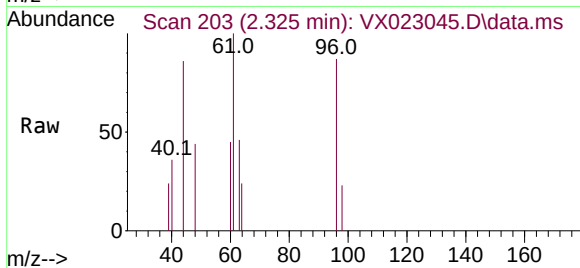
Delta R.T. 0.007 min

Lab File: VX023045.D

Acq: 30 Jun 2021 19:39

Tgt Ion: 96	Resp: 194
Ion Ratio	Lower Upper
96	100
61	115.3 124.6 187.0#
98	27.0 50.6 76.0#

Instrument :
MSVOA_X
ClientSampled :



#16

Acetone

Concen: 3.278 ug/l

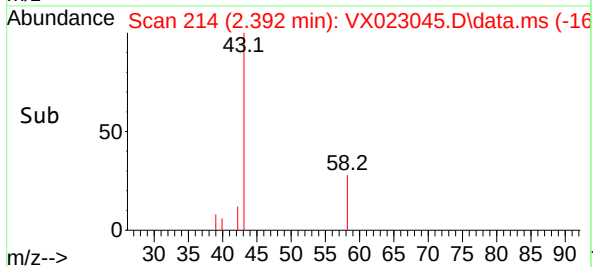
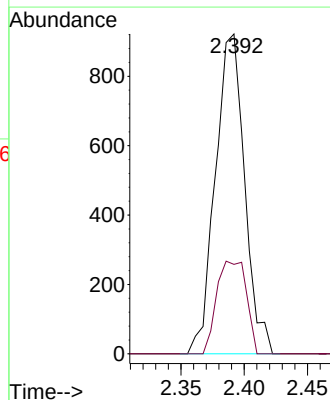
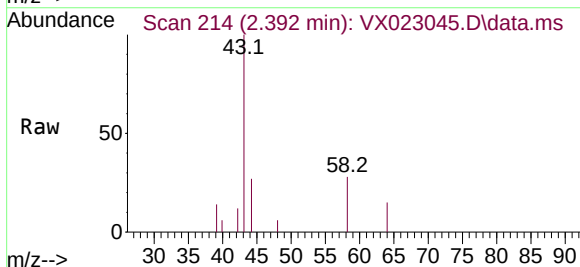
RT: 2.392 min Scan# 214

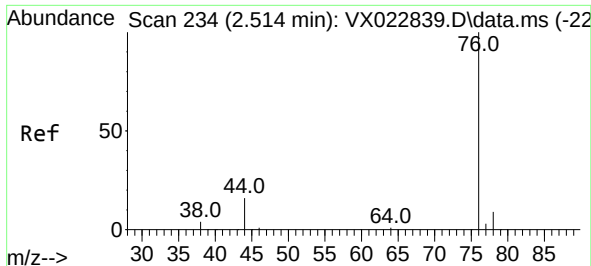
Delta R.T. -0.000 min

Lab File: VX023045.D

Acq: 30 Jun 2021 19:39

Tgt Ion: 43	Resp: 1485
Ion Ratio	Lower Upper
43	100
58	28.0 27.8 41.8

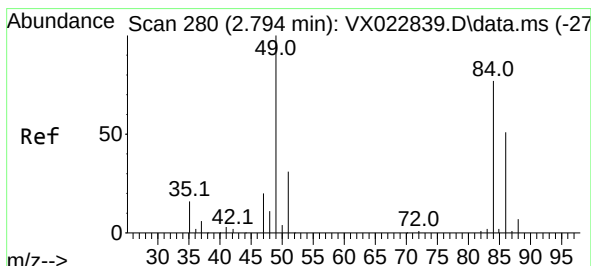
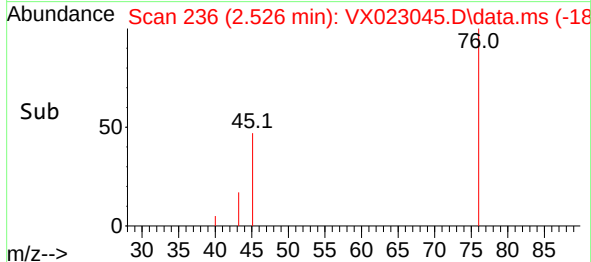
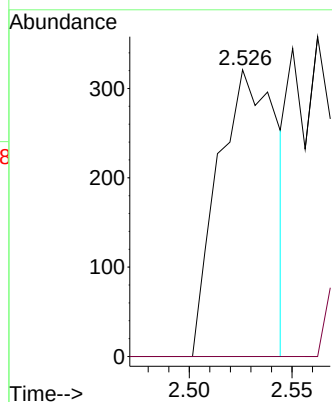
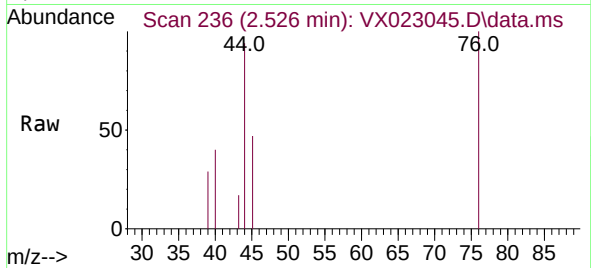




#17
Carbon Disulfide
Concen: 3.812 ug/l
RT: 2.526 min Scan# 236
Delta R.T. 0.012 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

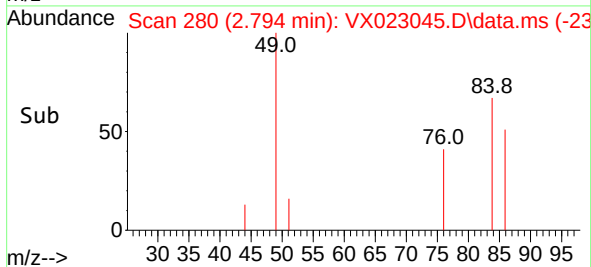
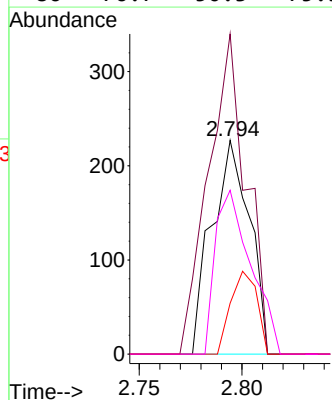
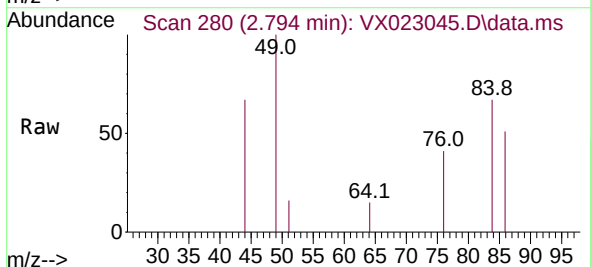
Instrument :
MSVOA_X
ClientSampled :

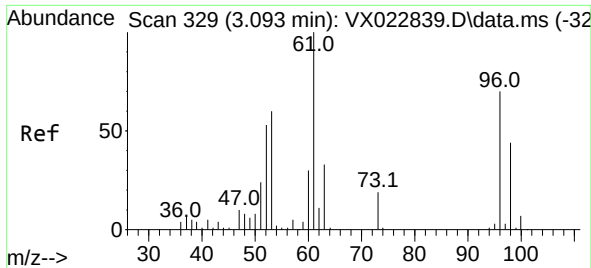
Tgt Ion: 76 Resp: 635
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#



#20
Methylene Chloride
Concen: 0.693 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 84 Resp: 290
Ion Ratio Lower Upper
84 100
49 149.8 88.6 132.8#
51 23.8 27.0 40.6#
86 76.7 50.3 75.5#

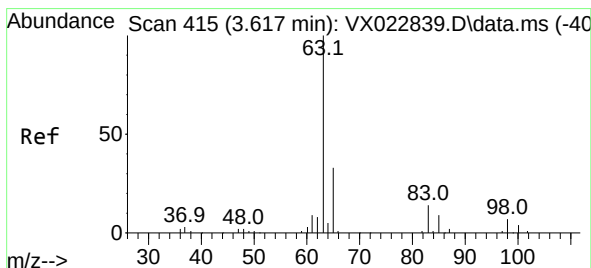
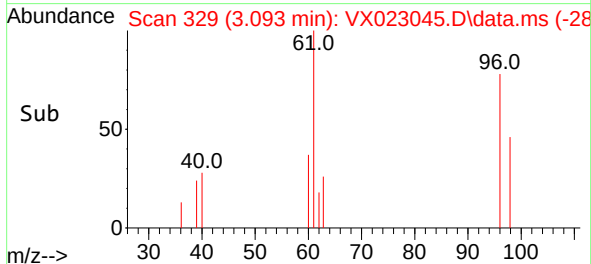
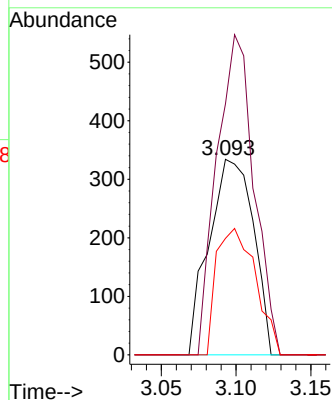
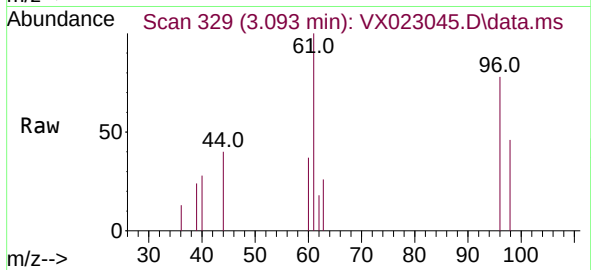




#21
trans-1,2-Dichloroethene
Concen: 0.853 ug/l
RT: 3.093 min Scan# 329
Delta R.T. -0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

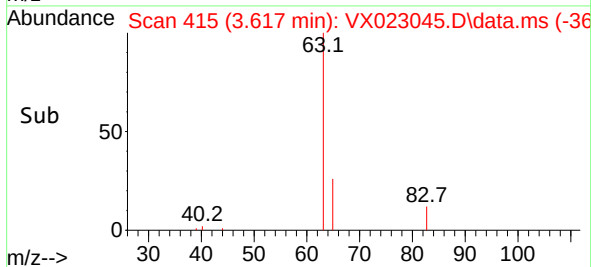
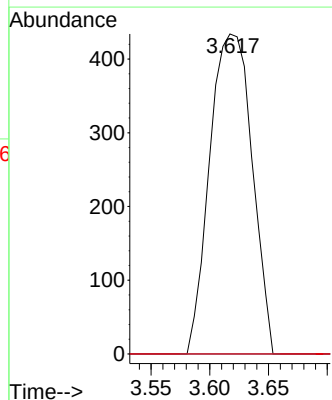
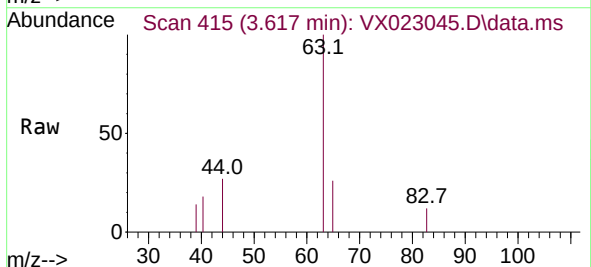
Instrument :
MSVOA_X
ClientSampled :

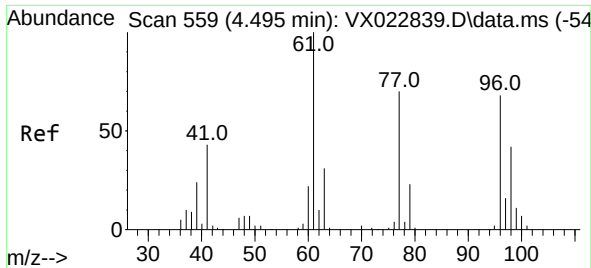
Tgt Ion: 96 Resp: 691
Ion Ratio Lower Upper
96 100
61 128.4 107.7 161.5
98 59.6 50.4 75.6



#24
1,1-Dichloroethane
Concen: 0.706 ug/l
RT: 3.617 min Scan# 415
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 63 Resp: 1089
Ion Ratio Lower Upper
63 100
98 0.0 3.8 11.2#
100 0.0 2.5 7.5#

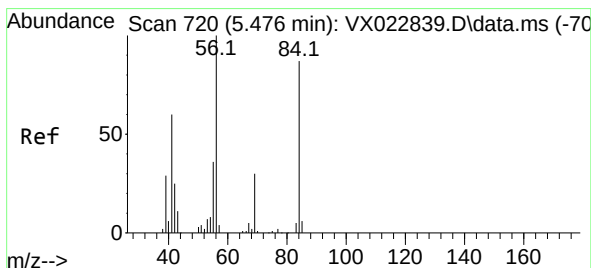
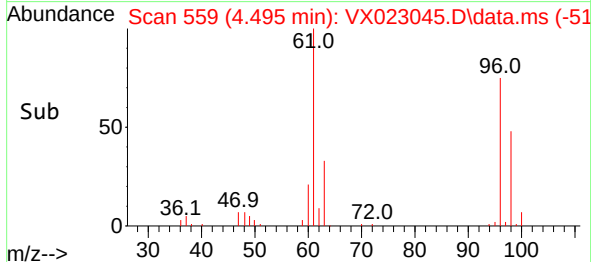
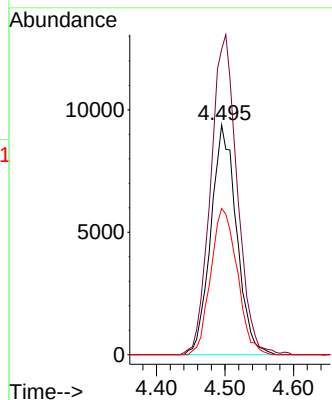
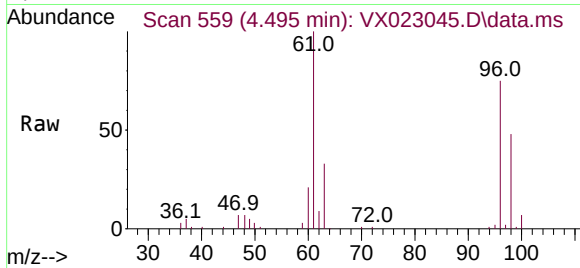




#27
 cis-1,2-Dichloroethene
 Concen: 27.179 ug/l
 RT: 4.495 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: VX023045.D
 Acq: 30 Jun 2021 19:39

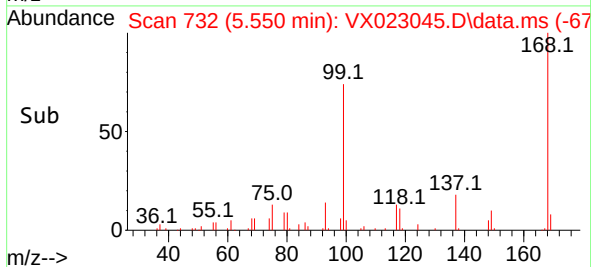
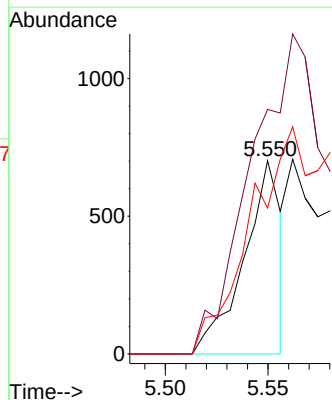
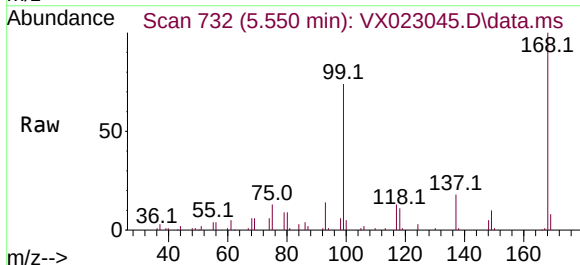
Instrument :
 MSVOA_X
 ClientSampled :

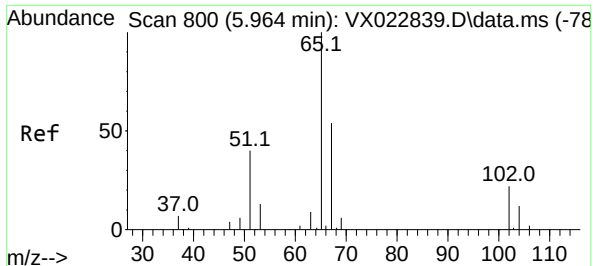
Tgt Ion: 96	Resp: 24443
Ion Ratio	Lower Upper
96 100	
61 144.1	0.0 285.6
98 65.6	0.0 129.6



#31
 Cyclohexane
 Concen: 0.608 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.074 min
 Lab File: VX023045.D
 Acq: 30 Jun 2021 19:39

Tgt Ion: 56	Resp: 877
Ion Ratio	Lower Upper
56 100	
69 126.5	25.3 37.9#
84 75.5	71.4 107.0



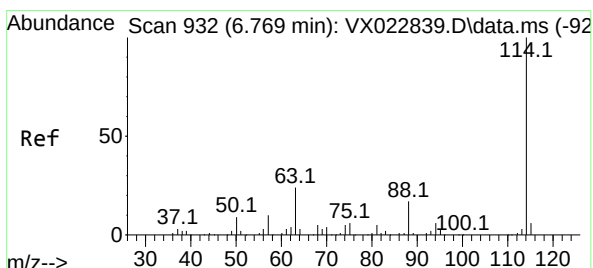
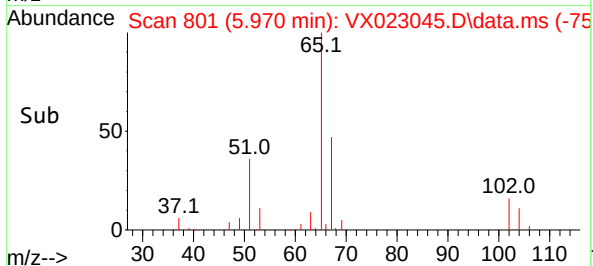
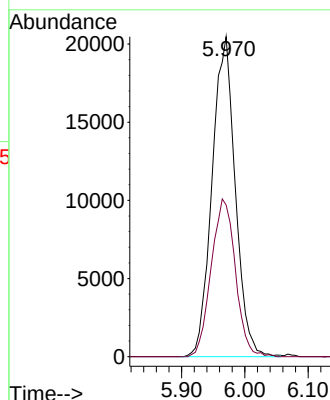
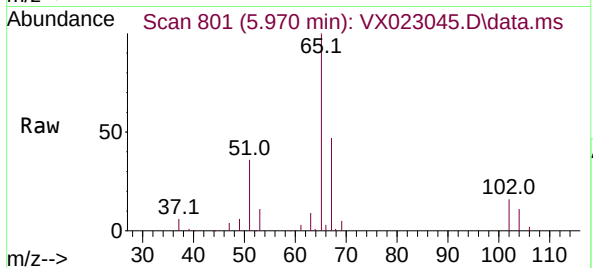


#33

1,2-Dichloroethane-d4
Concen: 50.996 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Instrument :
MSVOA_X
ClientSampled :

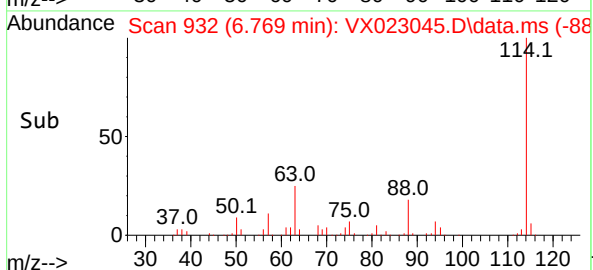
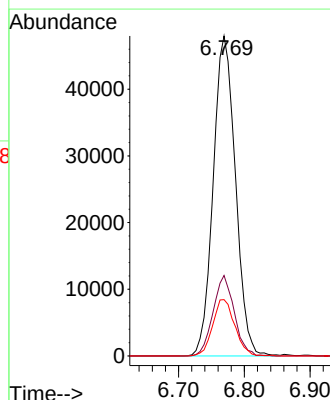
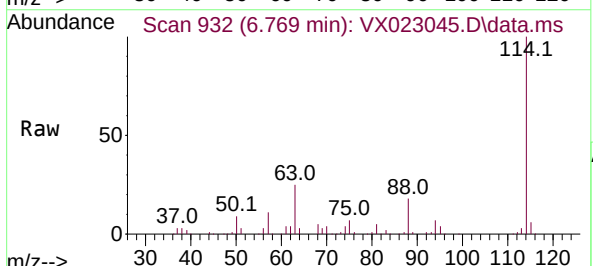
Tgt Ion: 65 Resp: 52106
Ion Ratio Lower Upper
65 100
67 51.4 0.0 105.4

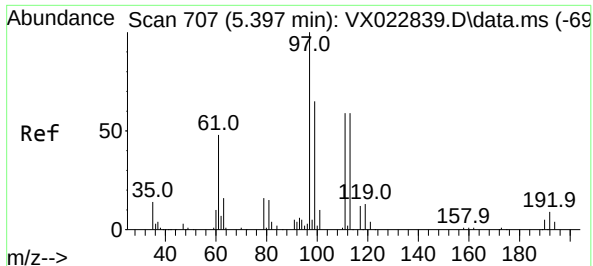


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 114 Resp: 112958
Ion Ratio Lower Upper
114 100
63 25.2 0.0 40.8
88 17.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.532 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX023045.D

Acq: 30 Jun 2021 19:39

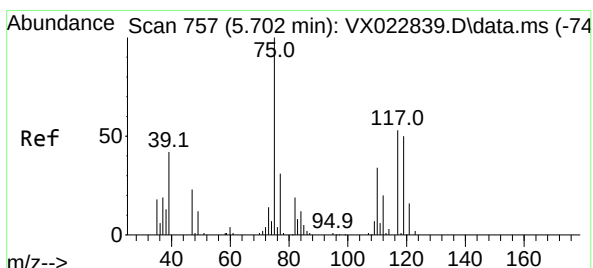
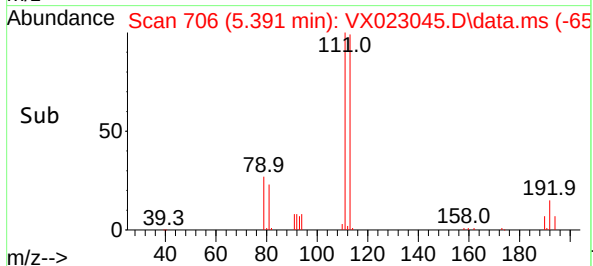
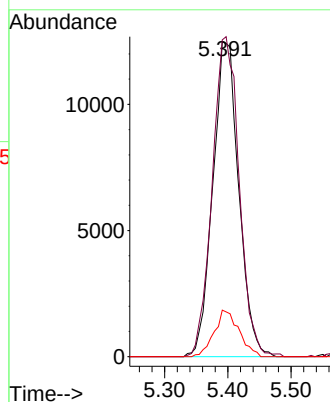
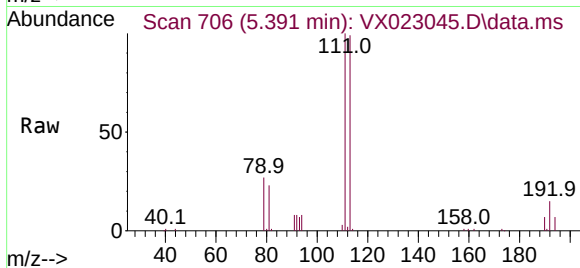
Tgt Ion:113 Resp: 35530

Ion Ratio Lower Upper

113 100

111 105.4 81.9 122.9

192 14.1 16.7 25.1#



#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.146 min

Lab File: VX023045.D

Acq: 30 Jun 2021 19:39

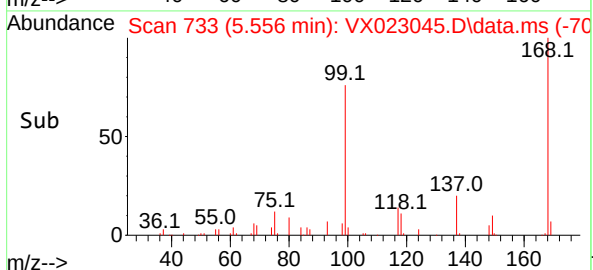
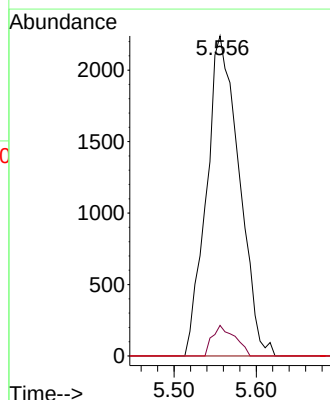
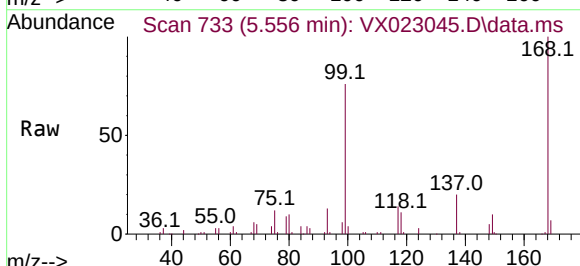
Tgt Ion: 75 Resp: 6193

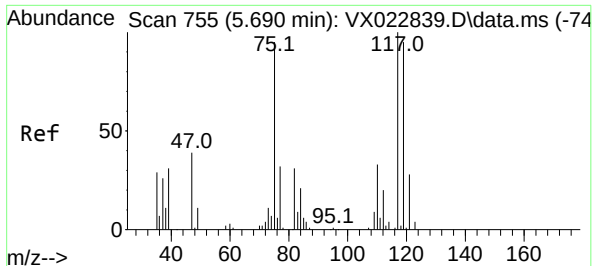
Ion Ratio Lower Upper

75 100

110 6.6 18.1 54.4#

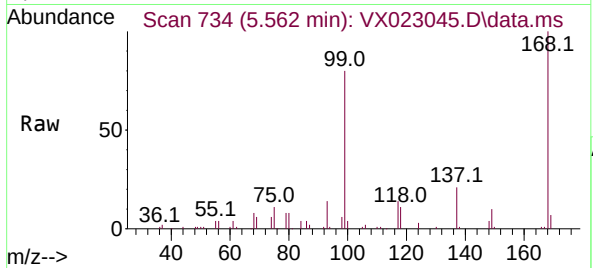
77 0.0 25.3 37.9#



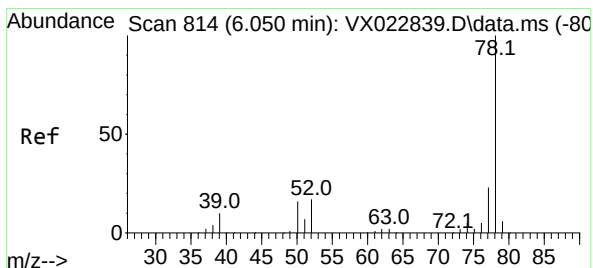
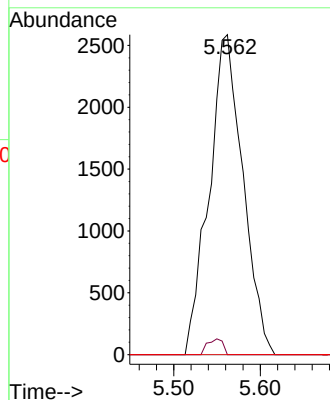
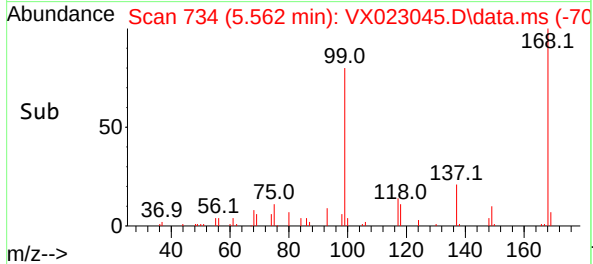


#38
Carbon Tetrachloride
Concen: 6.976 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

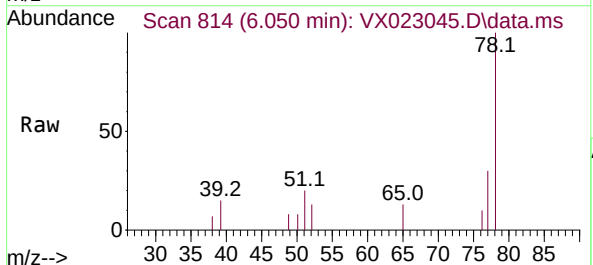
Instrument :
MSVOA_X
ClientSampled :



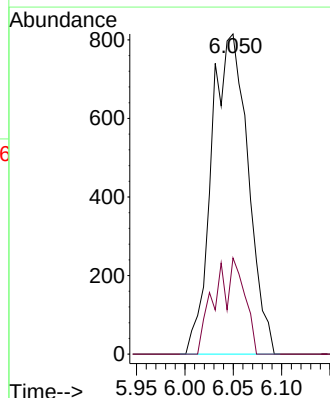
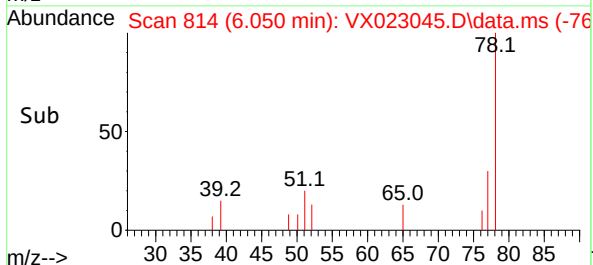
Tgt Ion:117 Resp: 7020
Ion Ratio Lower Upper
117 100
119 0.0 76.2 114.2#
121 0.0 24.8 37.2#

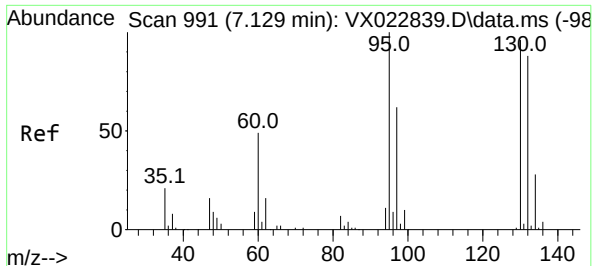


#40
Benzene
Concen: 0.617 ug/l
RT: 6.050 min Scan# 814
Delta R.T. -0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39



Tgt Ion: 78 Resp: 2136
Ion Ratio Lower Upper
78 100
77 30.1 18.9 28.3#

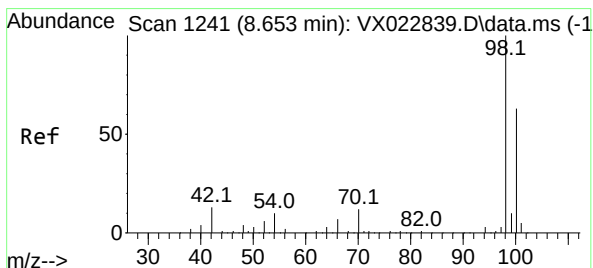
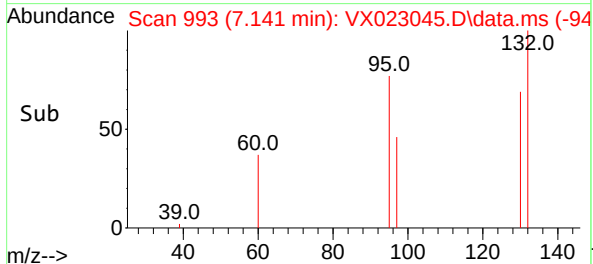
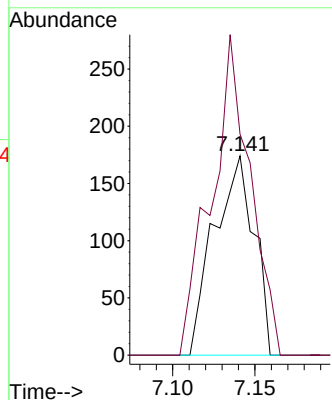
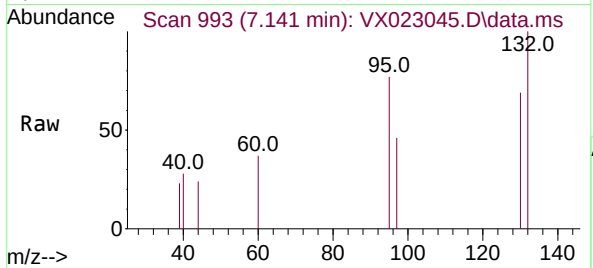




#44
Trichloroethene
Concen: 0.360 ug/l
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

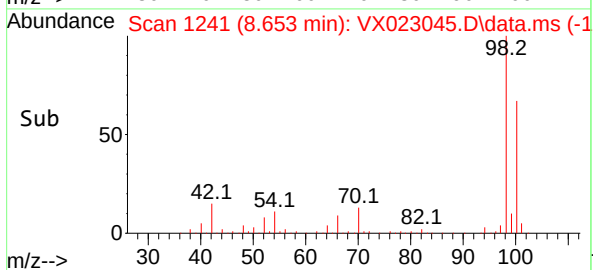
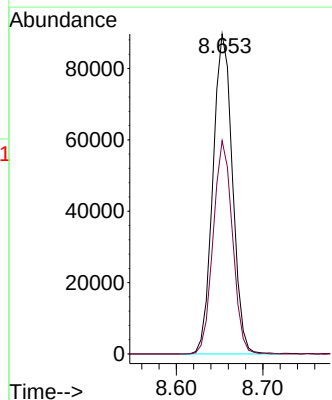
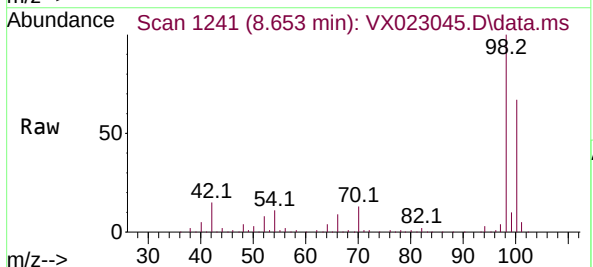
Instrument :
MSVOA_X
ClientSampled :

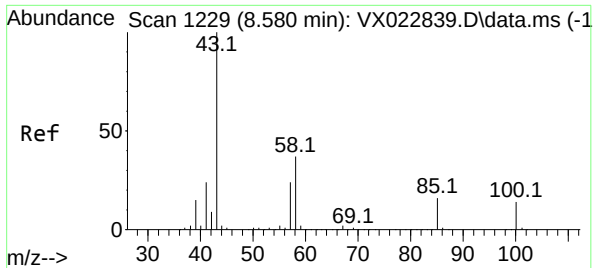
Tgt Ion:130 Resp: 295
Ion Ratio Lower Upper
130 100
95 110.9 0.0 198.0



#50
Toluene-d8
Concen: 49.967 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 98 Resp: 140470
Ion Ratio Lower Upper
98 100
100 65.6 51.9 77.9

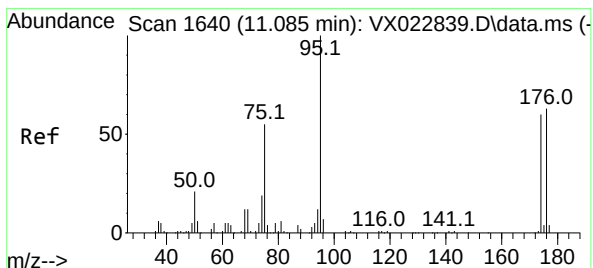
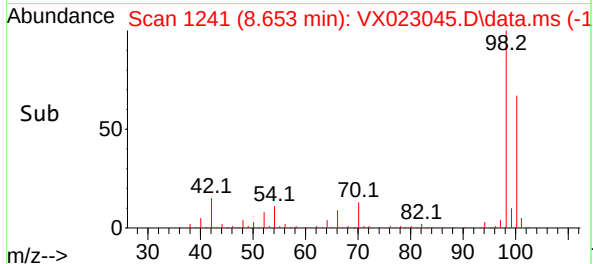
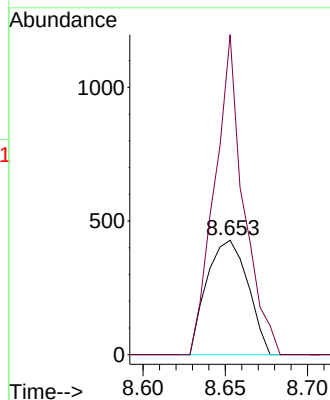
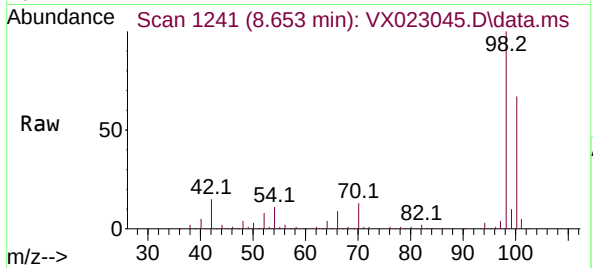




#51
4-Methyl-2-Pentanone
Concen: 0.535 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.073 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

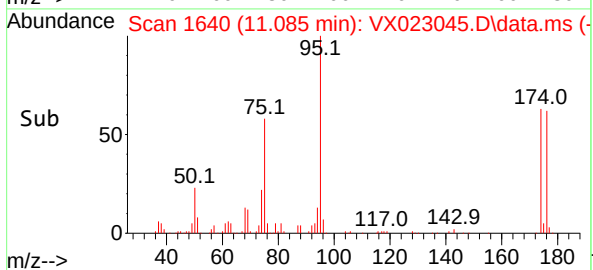
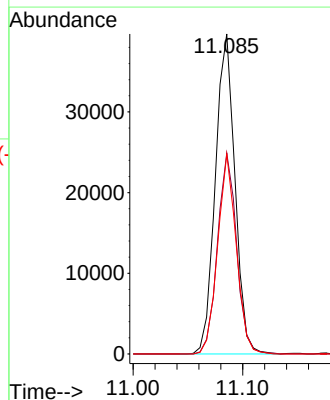
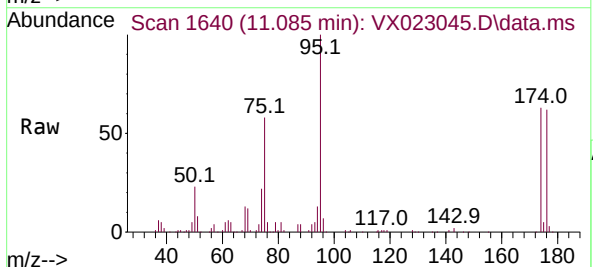
Instrument :
MSVOA_X
ClientSampled :

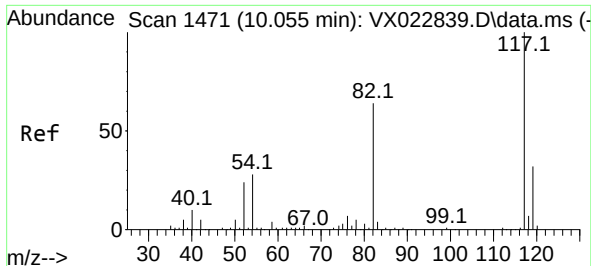
Tgt Ion: 43 Resp: 744
Ion Ratio Lower Upper
43 100
58 197.8 35.4 53.0#



#62
4-Bromofluorobenzene
Concen: 46.949 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 95 Resp: 49259
Ion Ratio Lower Upper
95 100
174 61.3 0.0 154.6
176 59.3 0.0 155.8

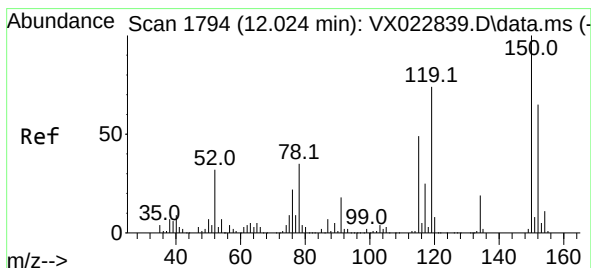
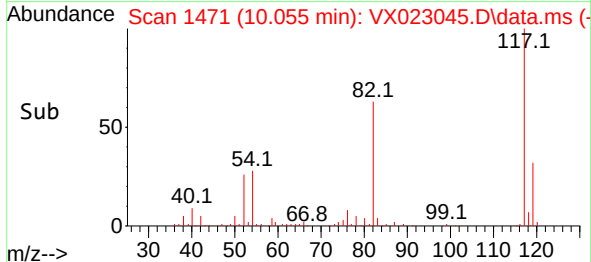
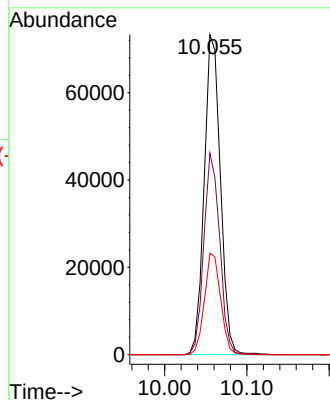
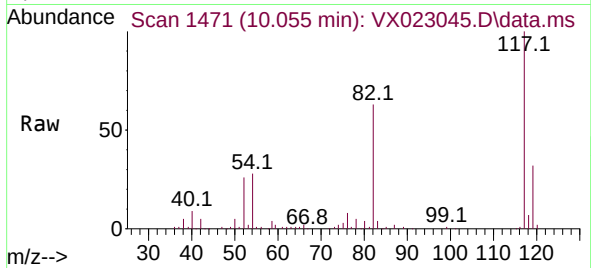




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

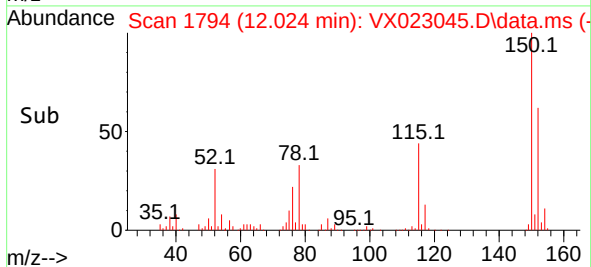
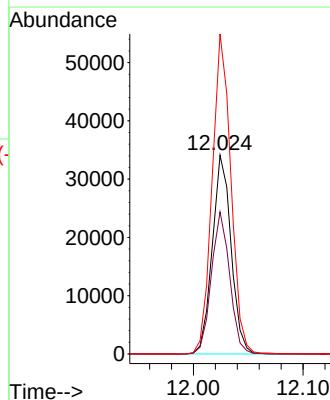
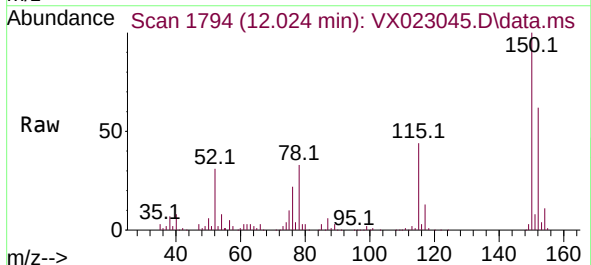
Instrument :
MSVOA_X
ClientSampleId :

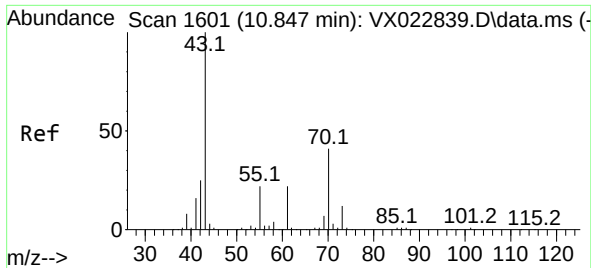
Tgt Ion:117 Resp: 100644
Ion Ratio Lower Upper
117 100
82 63.0 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion:152 Resp: 40614
Ion Ratio Lower Upper
152 100
115 69.7 41.1 123.3
150 160.9 0.0 349.0

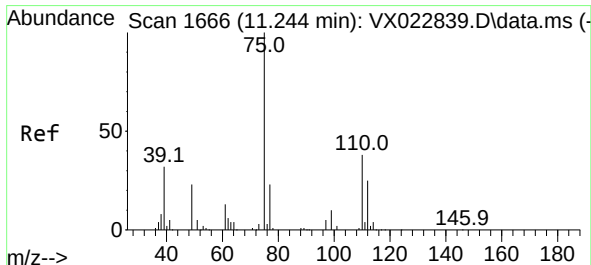
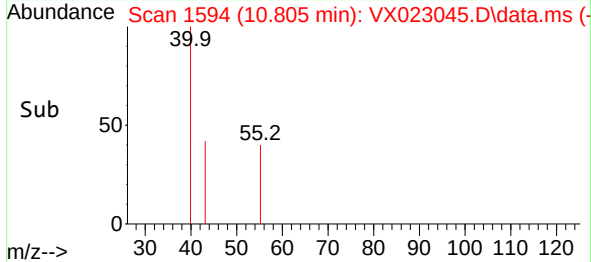
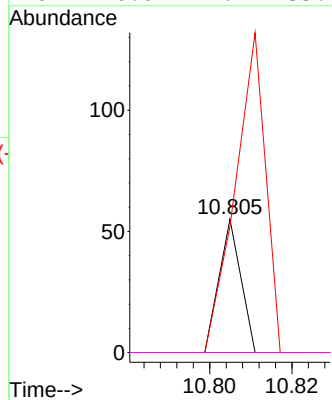
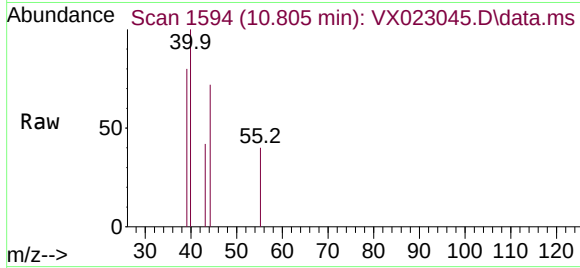




#74
N-amy1 acetate
Concen: 2.065 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. -0.042 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

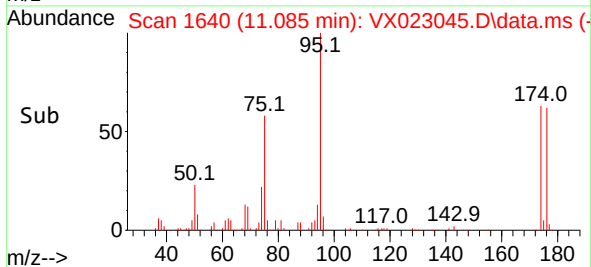
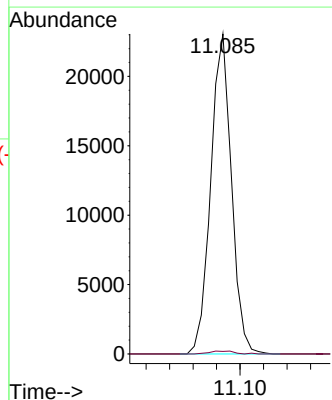
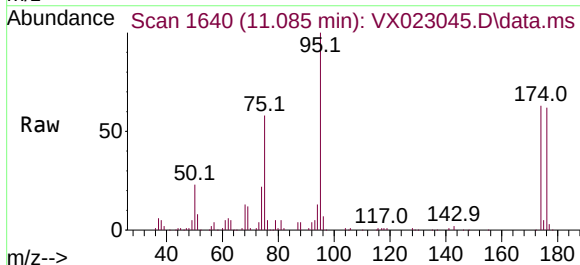
Instrument :
MSVOA_X
ClientSampled :

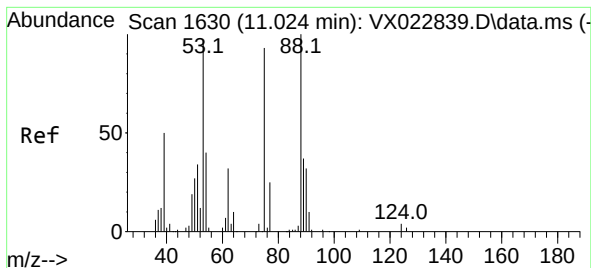
Tgt Ion: 43	Resp: 20
Ion Ratio	Lower Upper
43 100	
70 0.0	39.0 58.6#
55 335.0	21.5 32.3#
61 0.0	22.1 33.1#



#76
1,2,3-Trichloropropane
Concen: 26.321 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion: 75	Resp: 28236
Ion Ratio	Lower Upper
75 100	
77 1.1	19.1 57.5#

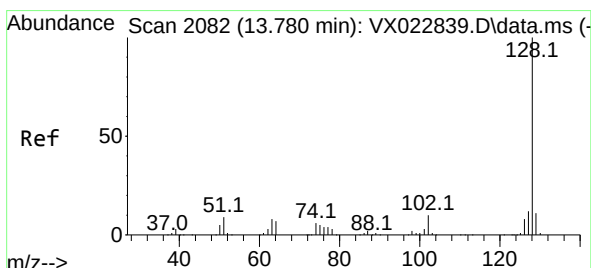
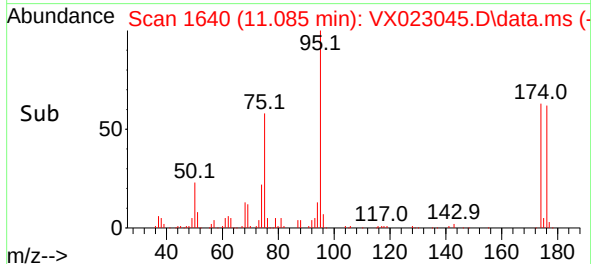
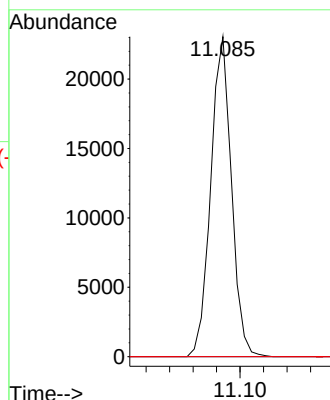
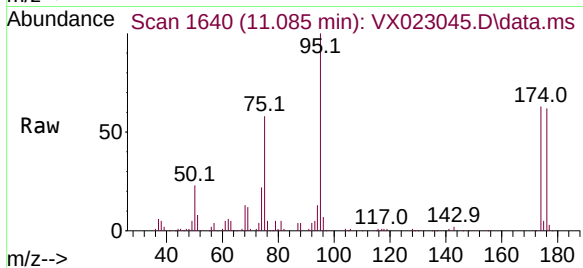




#81
trans-1,4-Dichloro-2-butene
Concen: 68.346 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion: 75 Resp: 28236
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#95
Naphthalene
Concen: 1.943 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023045.D
Acq: 30 Jun 2021 19:39

Tgt Ion:128 Resp: 71
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

