

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070721\
 Data File : VX023173.D
 Acq On : 07 Jul 2021 15:28
 Operator : JC/MD
 Sample : M2948-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

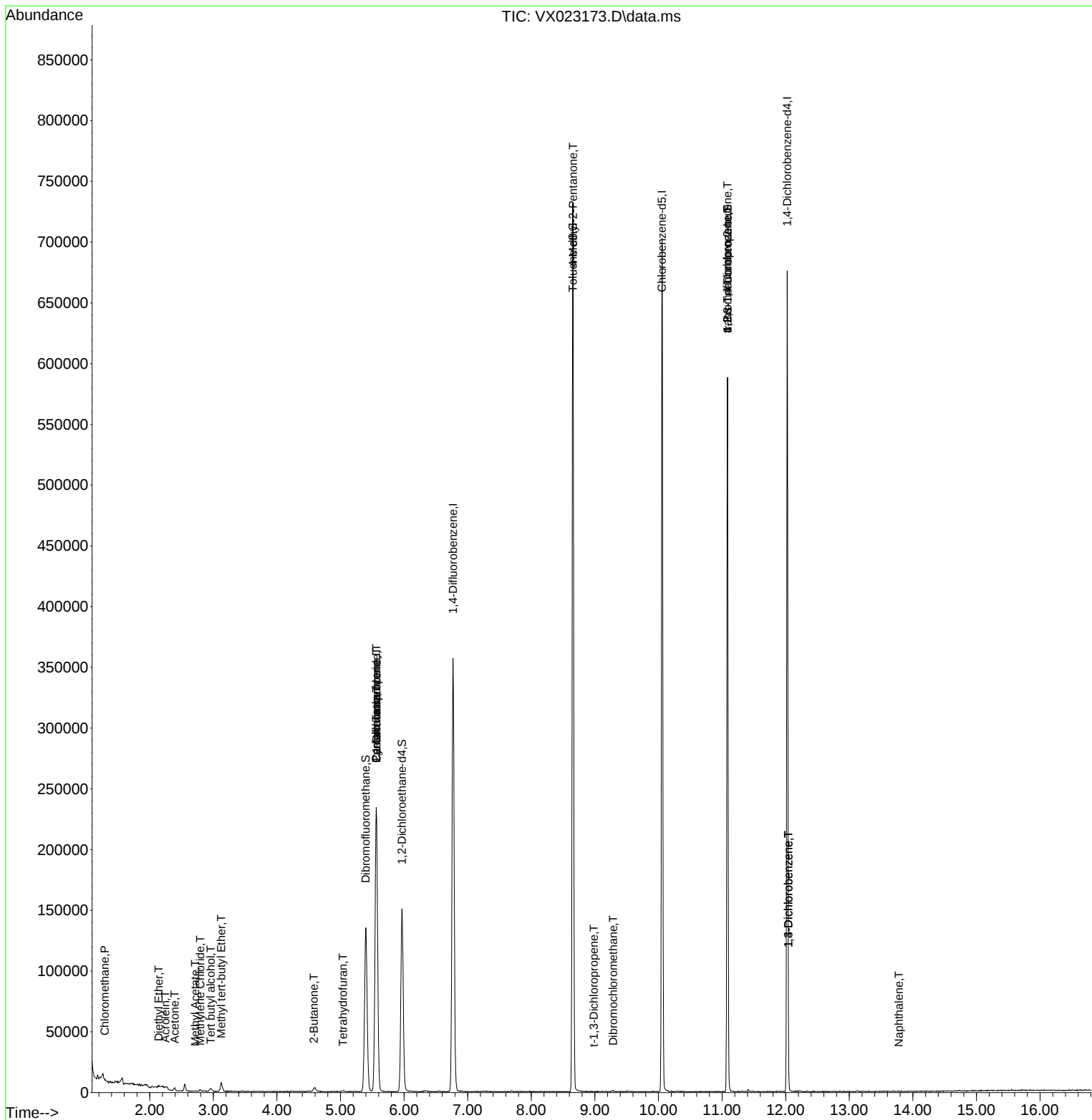
Instrument :
 MSVOA_X
 ClientSampleId :

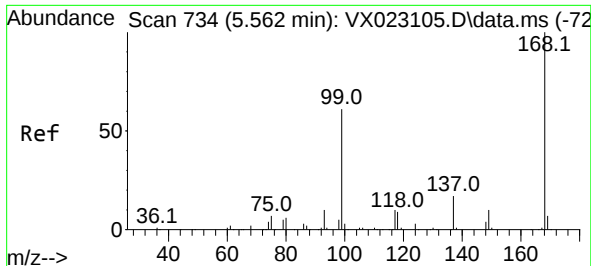
Quant Time: Jul 08 03:20:23 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 02 14:29:42 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	214547	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	355955	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	315349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	134901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	152532	52.898	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	105.800%
35) Dibromofluoromethane	5.397	113	113427	49.346	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.700%
50) Toluene-d8	8.653	98	419750	48.954	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.900%
62) 4-Bromofluorobenzene	11.085	95	152076	45.942	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	91.880%
Target Compounds						Qvalue
3) Chloromethane	1.294	50	401	0.208	ug/l	# 70
5) Bromomethane	1.618	94	416	Below Cal		81
8) Diethyl Ether	2.142	74	495	0.379	ug/l	# 92
11) Tert butyl alcohol	2.959	59	1956	3.224	ug/l	# 93
13) Acrolein	2.245	56	351	0.869	ug/l	# 53
16) Acetone	2.392	43	2742	2.404	ug/l	# 79
18) Methyl Acetate	2.715	43	696	0.251	ug/l	# 47
19) Methyl tert-butyl Ether	3.123	73	7175	1.003	ug/l	# 91
20) Methylene Chloride	2.794	84	510	0.208	ug/l	# 75
25) 2-Butanone	4.580	43	393	0.228	ug/l	# 45
29) Tetrahydrofuran	5.038	42	622	0.562	ug/l	# 49
31) Cyclohexane	5.562	56	4745	1.374	ug/l	# 3
36) 1,1-Dichloropropene	5.562	75	17070	5.379	ug/l	# 50
38) Carbon Tetrachloride	5.562	117	22769	6.874	ug/l	# 16
51) 4-Methyl-2-Pentanone	8.659	43	2180	0.611	ug/l	# 1
53) t-1,3-Dichloropropene	8.982	75	19	2.741	ug/l	# 44
60) Dibromochloromethane	9.287	129	124	3.154	ug/l	# 11
76) 1,2,3-Trichloropropane	11.085	75	79830	29.407	ug/l	# 39
81) trans-1,4-Dichloro-2-b...	11.085	75	79830	79.052	ug/l	# 12
87) 1,3-Dichlorobenzene	12.043	146	1083	0.243	ug/l	# 1
88) 1,4-Dichlorobenzene	12.043	146	1083	0.241	ug/l	# 1
95) Naphthalene	13.780	128	228	1.298	ug/l	# 69

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

Quant Time: Jul 08 03:20:23 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X070221W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 02 14:29:42 2021
Response via : Initial Calibration

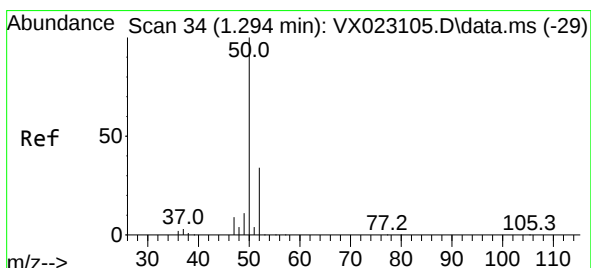
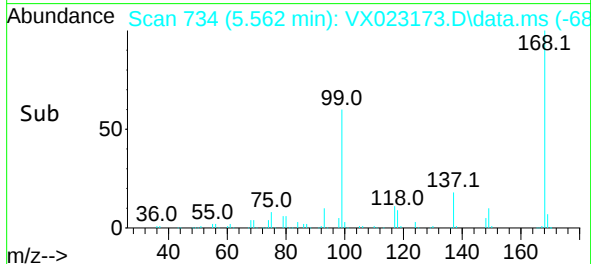
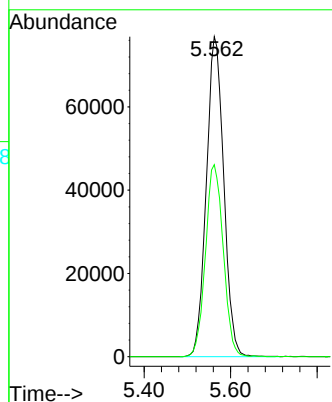
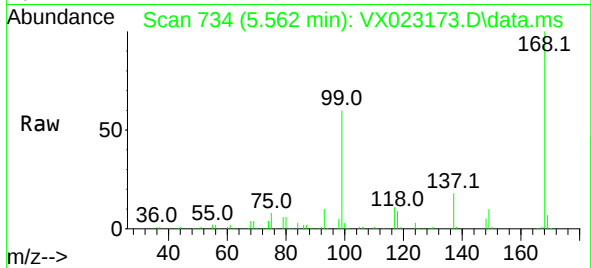




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

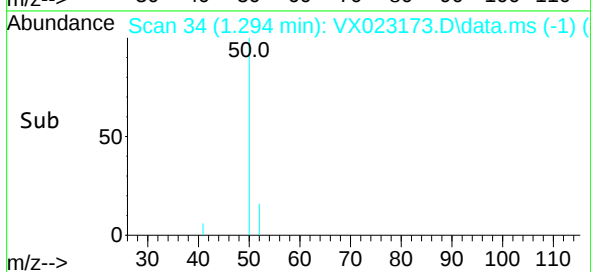
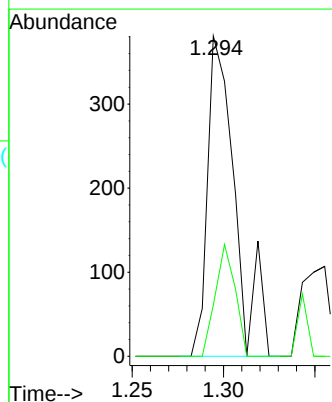
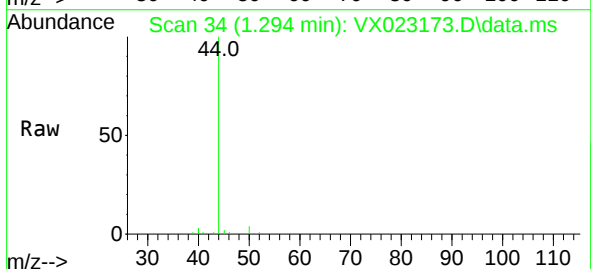
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MSVOA_X
ClientSampleId :

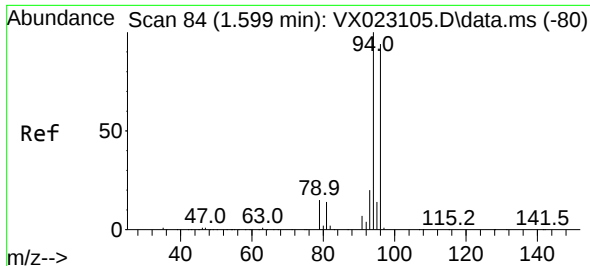
Tgt Ion:168 Resp: 214547
Ion Ratio Lower Upper
168 100
99 60.0 45.8 68.6



#3
Chloromethane
Concen: 0.208 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 50 Resp: 401
Ion Ratio Lower Upper
50 100
52 16.0 26.4 39.6#

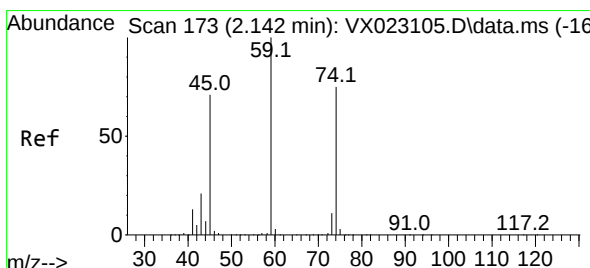
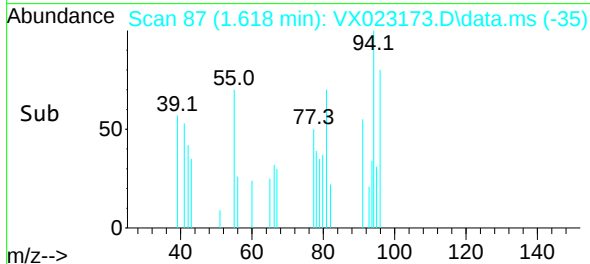
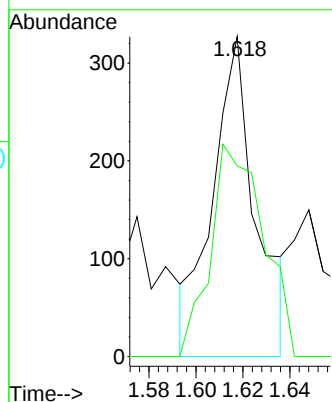
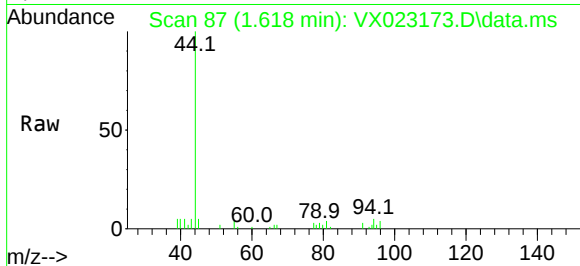




#5
Bromomethane
Concen: Below Cal
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

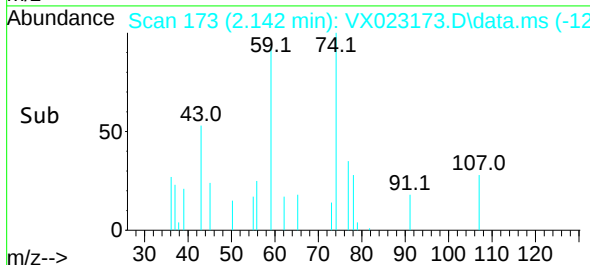
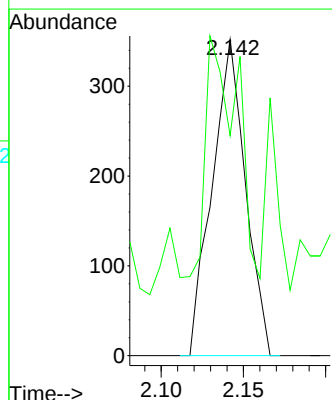
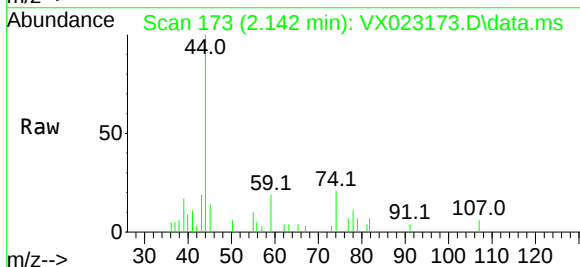
Instrument :
MSVOA_X
ClientSampled :

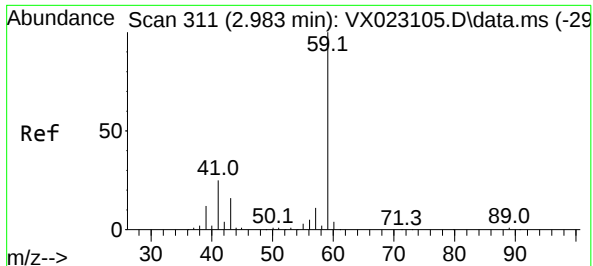
Tgt Ion: 94 Resp: 416
Ion Ratio Lower Upper
94 100
96 77.1 76.4 114.6



#8
Diethyl Ether
Concen: 0.379 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 74 Resp: 495
Ion Ratio Lower Upper
74 100
45 81.6 44.5 133.5



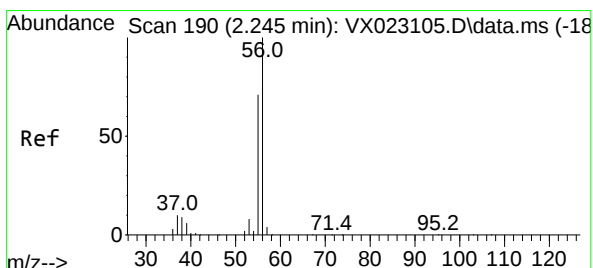
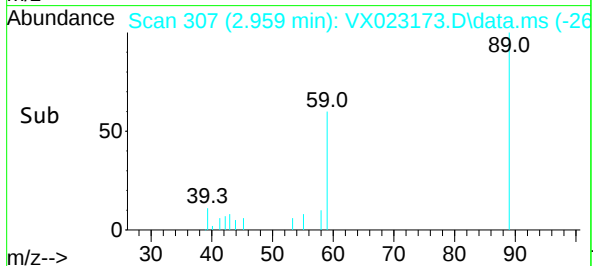
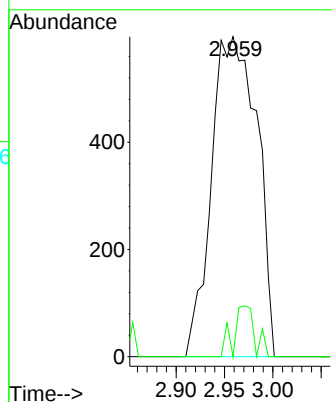
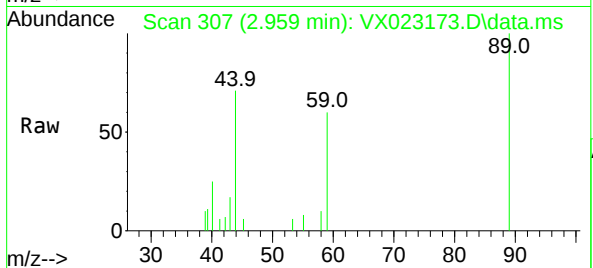


#11

Tert butyl alcohol
Concen: 3.224 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

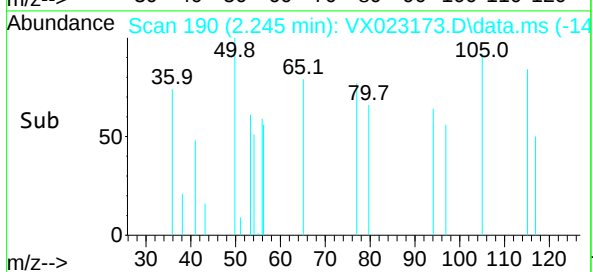
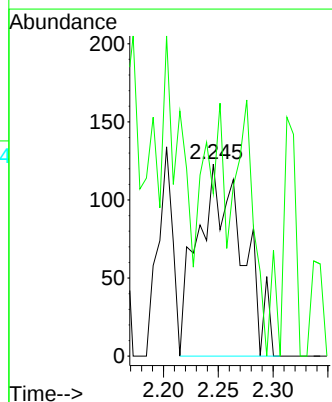
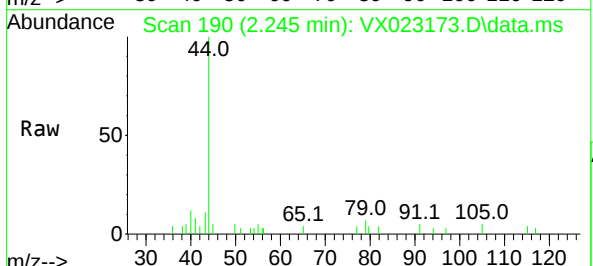
Tgt Ion: 59 Resp: 1956
Ion Ratio Lower Upper
59 100
57 7.3 7.8 11.8#

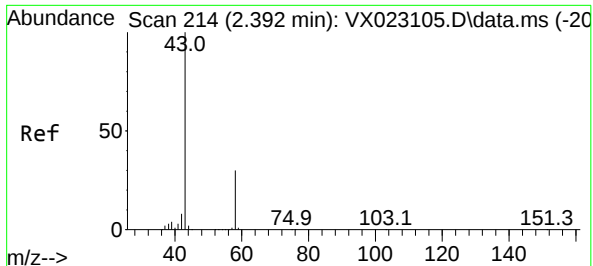


#13

Acrolein
Concen: 0.869 ug/l
RT: 2.245 min Scan# 190
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
55 31.6 56.4 84.6#

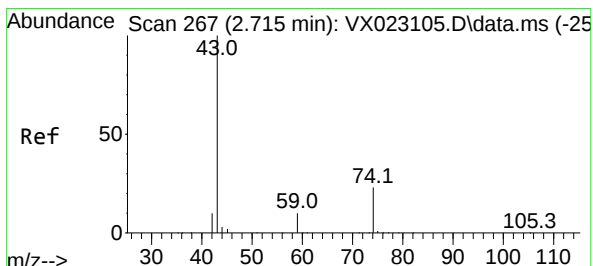
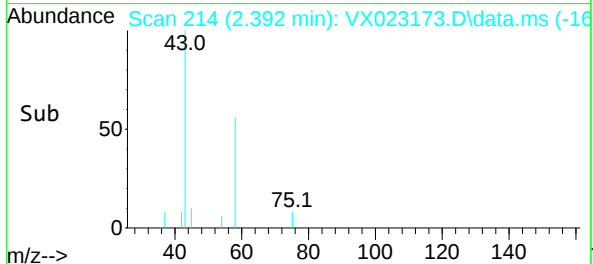
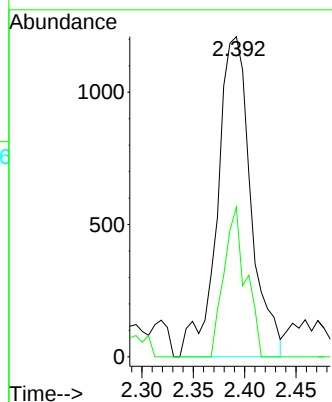
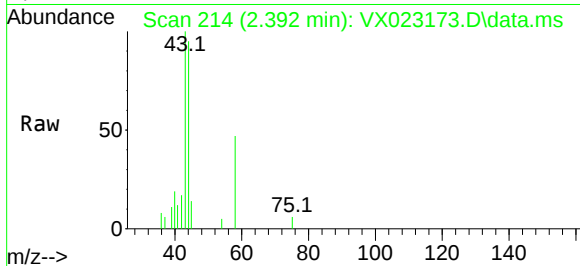




#16
Acetone
Concen: 2.404 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

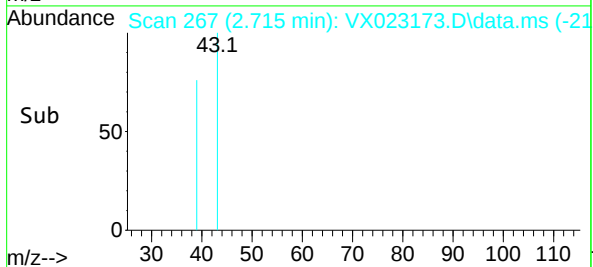
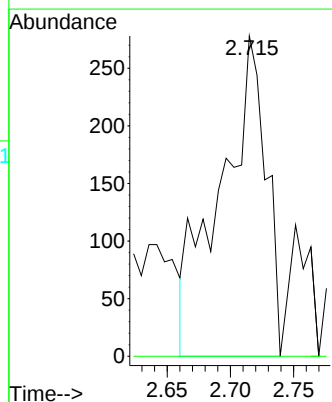
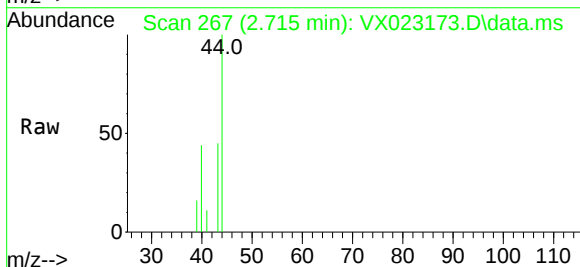
Instrument :
MSVOA_X
ClientSampleId :

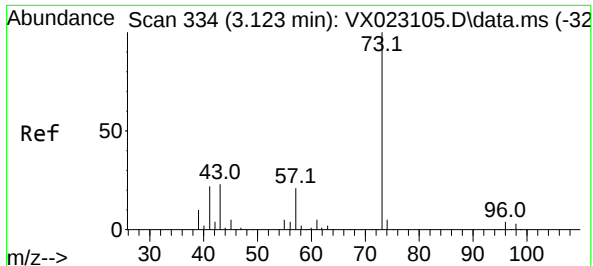
Tgt Ion: 43 Resp: 2742
Ion Ratio Lower Upper
43 100
58 46.8 27.8 41.8#



#18
Methyl Acetate
Concen: 0.251 ug/l
RT: 2.715 min Scan# 267
Delta R.T. -0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
74 0.0 21.9 32.9#



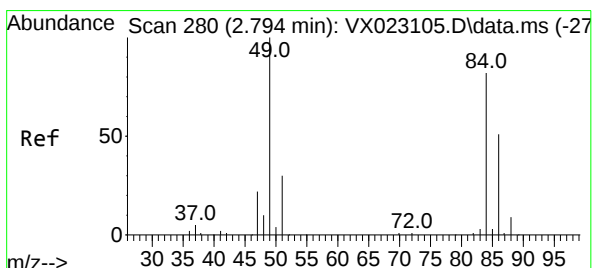
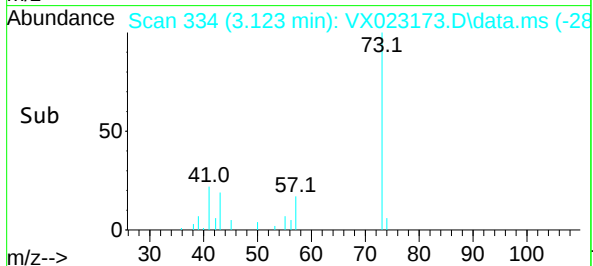
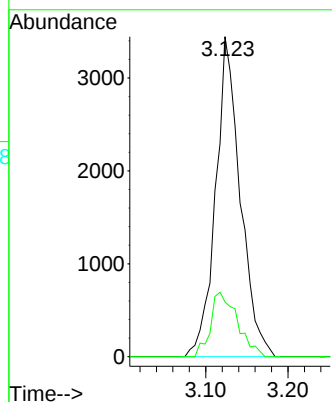
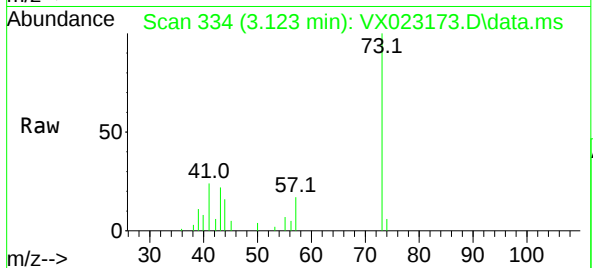


#19

Methyl tert-butyl Ether
Concen: 1.003 ug/l
RT: 3.123 min Scan# 334
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

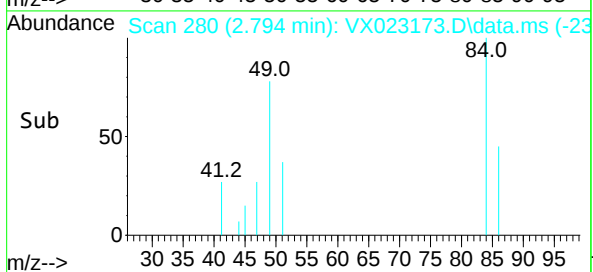
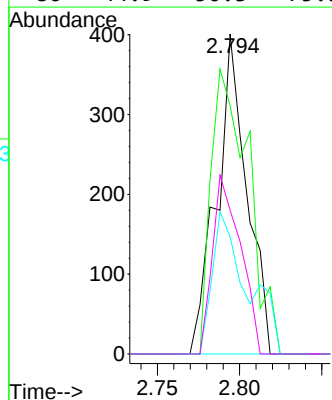
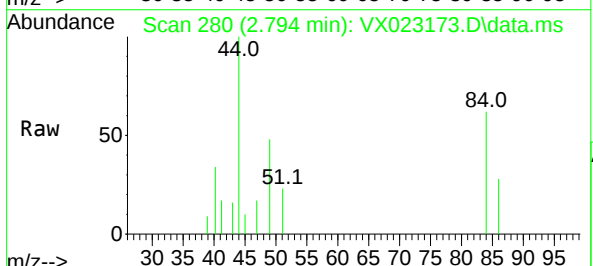
Tgt Ion: 73 Resp: 7175
Ion Ratio Lower Upper
73 100
57 17.1 17.1 25.7#

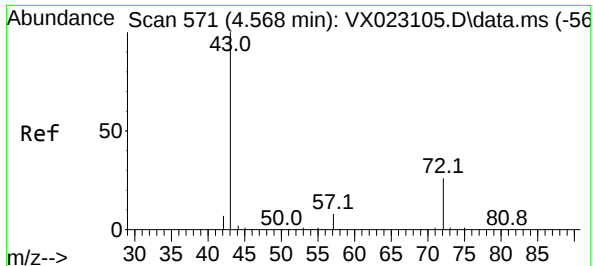


#20

Methylene Chloride
Concen: 0.208 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 84 Resp: 510
Ion Ratio Lower Upper
84 100
49 77.6 88.6 132.8#
51 36.7 27.0 40.6
86 44.9 50.3 75.5#

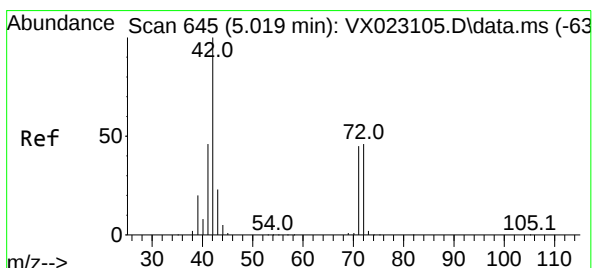
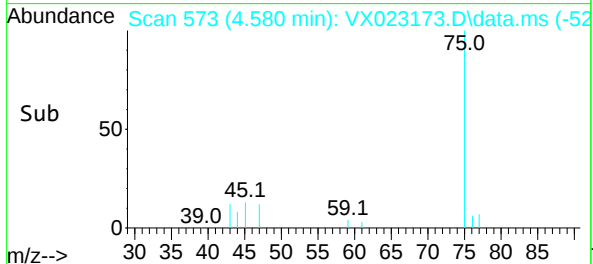
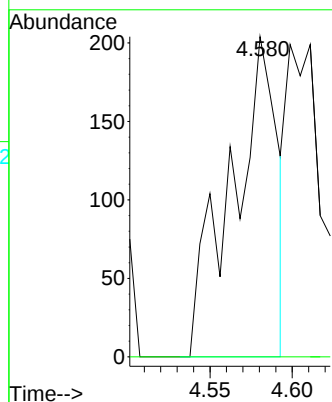
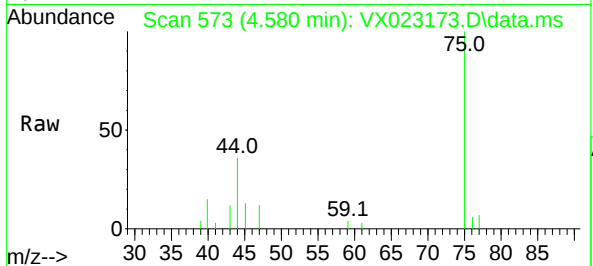




#25
2-Butanone
Concen: 0.228 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.012 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

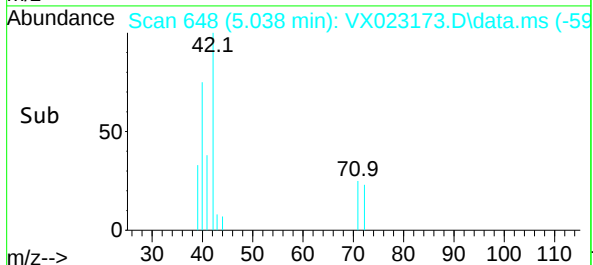
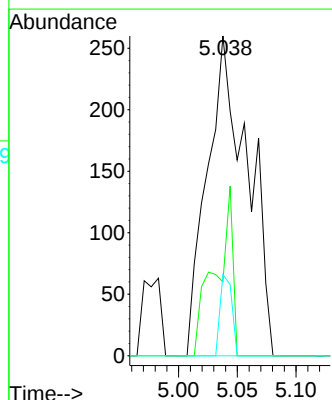
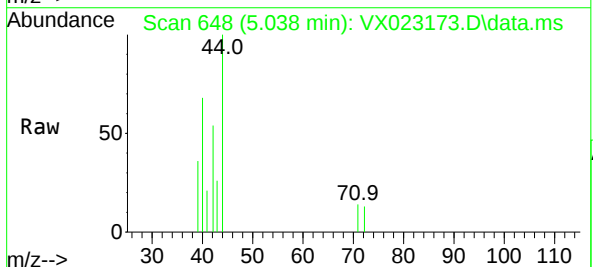
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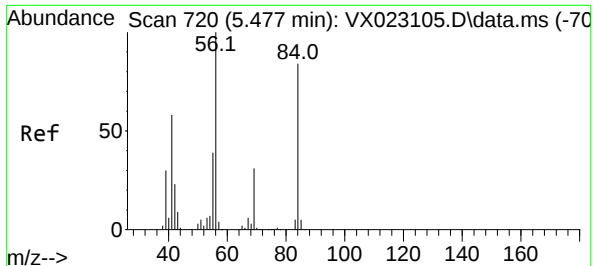
Tgt Ion: 43 Resp: 393
Ion Ratio Lower Upper
43 100
72 0.0 23.7 35.5#



#29
Tetrahydrofuran
Concen: 0.562 ug/l
RT: 5.038 min Scan# 648
Delta R.T. 0.019 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 42 Resp: 622
Ion Ratio Lower Upper
42 100
72 22.8 41.7 62.5#
71 7.2 38.4 57.6#

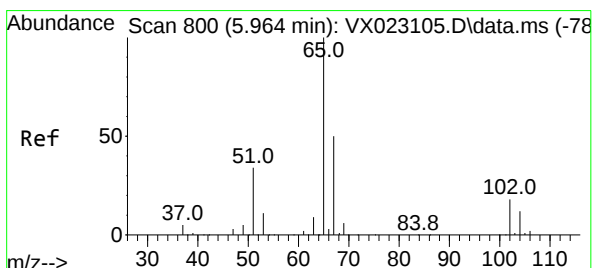
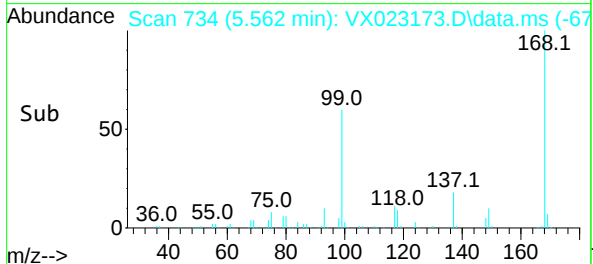
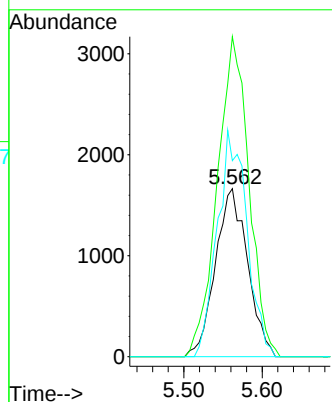
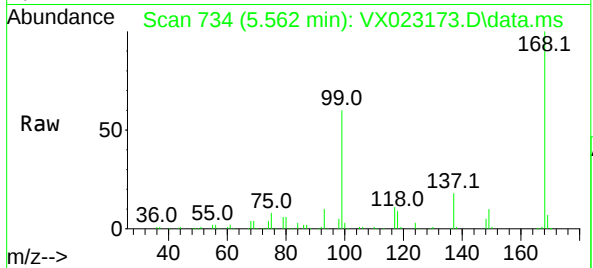




#31
Cyclohexane
Concen: 1.374 ug/l
RT: 5.562 min Scan# 734
Delta R.T. 0.085 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

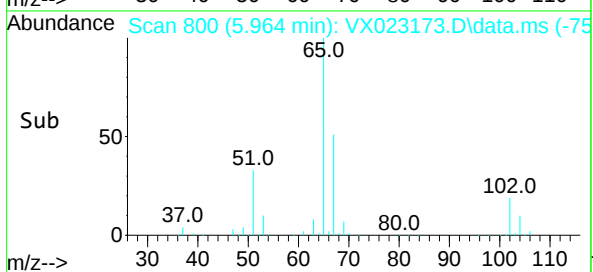
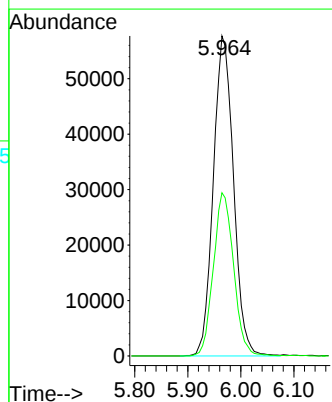
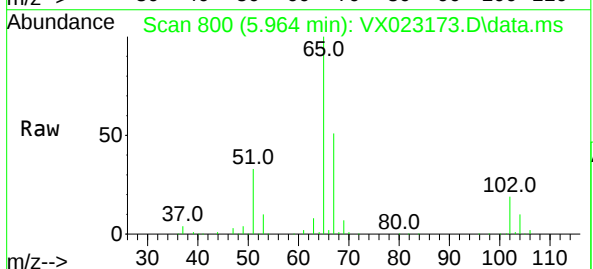
Instrument :
MSVOA_X
ClientSampled :

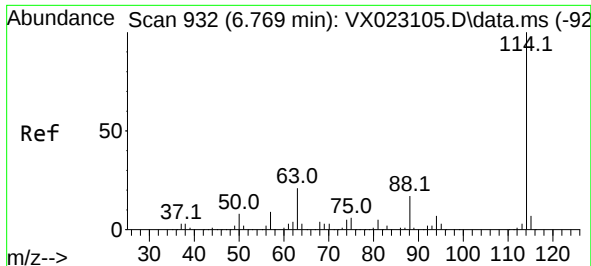
Tgt Ion: 56 Resp: 4745
Ion Ratio Lower Upper
56 100
69 190.5 25.3 37.9#
84 116.7 71.4 107.0#



#33
1,2-Dichloroethane-d4
Concen: 52.898 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 65 Resp: 152532
Ion Ratio Lower Upper
65 100
67 51.1 0.0 105.4

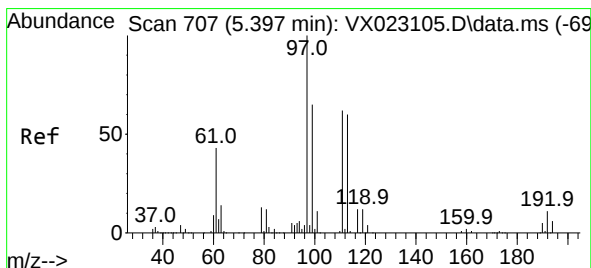
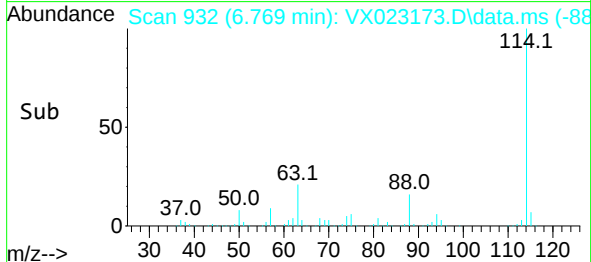
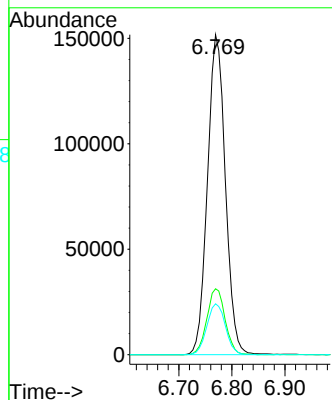
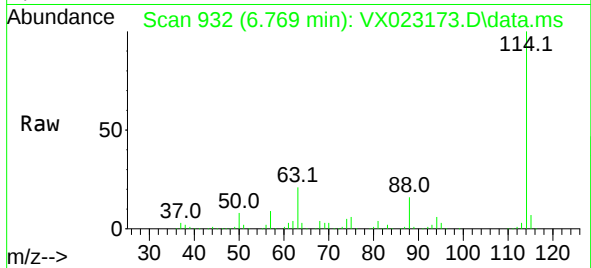




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

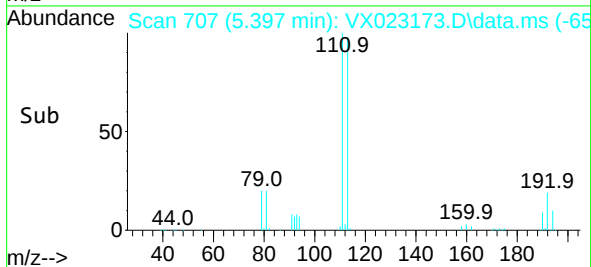
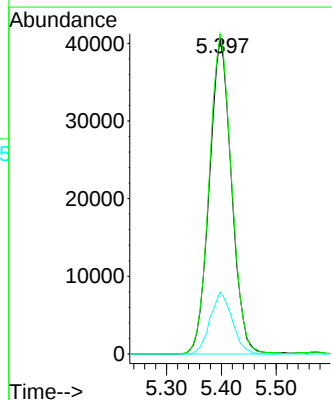
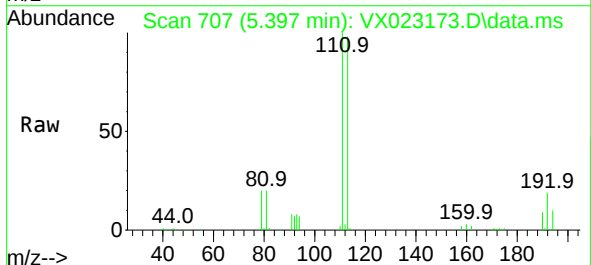
Instrument :
MSVOA_X
ClientSampleId :

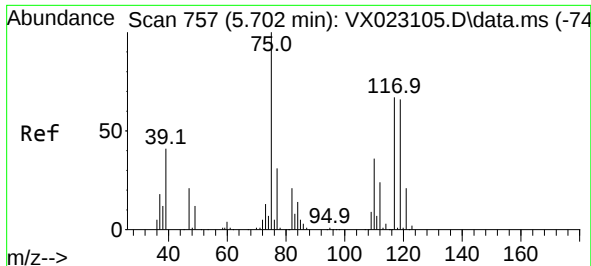
Tgt Ion:114 Resp: 355955
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 15.9 0.0 32.8



#35
Dibromofluoromethane
Concen: 49.346 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion:113 Resp: 113427
Ion Ratio Lower Upper
113 100
111 102.8 81.9 122.9
192 19.5 16.7 25.1





#36

1,1-Dichloropropene

Concen: 5.379 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.140 min

Lab File: VX023173.D

Acq: 07 Jul 2021 15:28

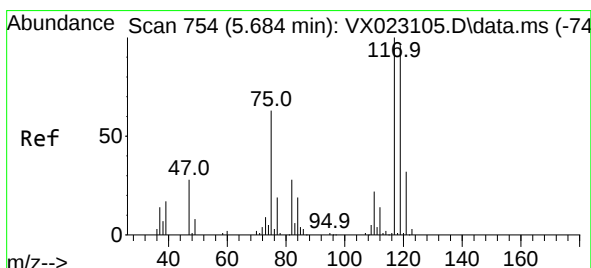
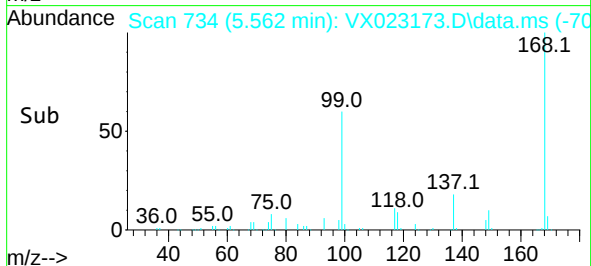
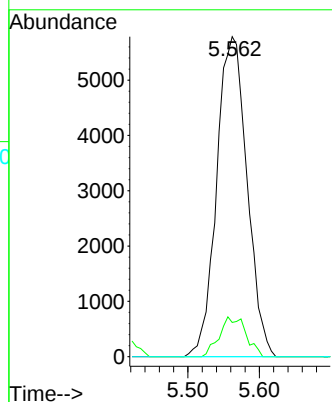
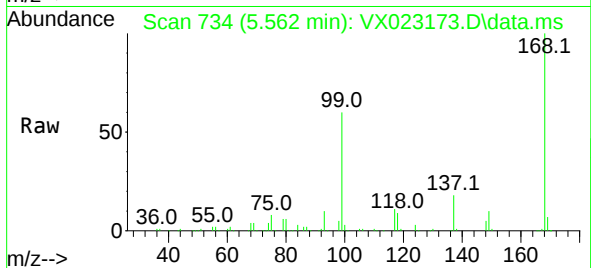
Tgt Ion: 75 Resp: 17070

Ion Ratio Lower Upper

75 100

110 10.9 18.1 54.4#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 6.874 ug/l

RT: 5.562 min Scan# 734

Delta R.T. -0.122 min

Lab File: VX023173.D

Acq: 07 Jul 2021 15:28

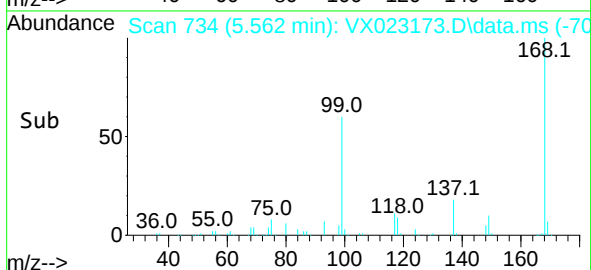
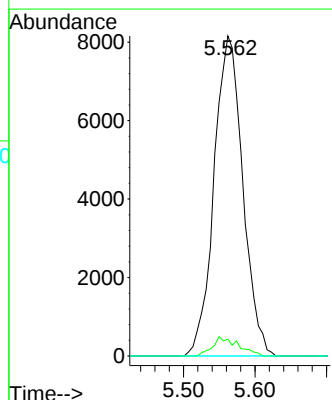
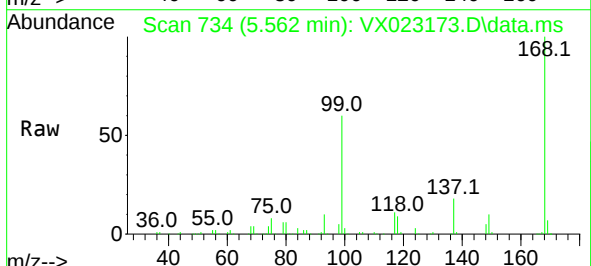
Tgt Ion: 117 Resp: 22769

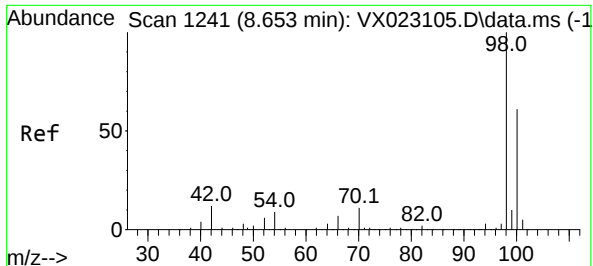
Ion Ratio Lower Upper

117 100

119 5.2 76.2 114.2#

121 0.0 24.8 37.2#

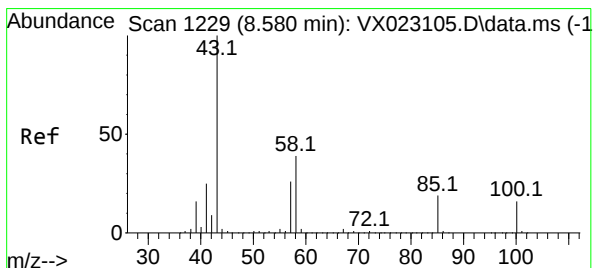
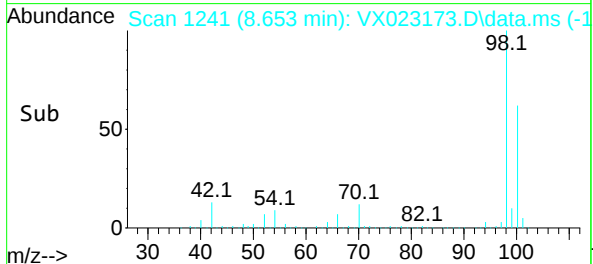
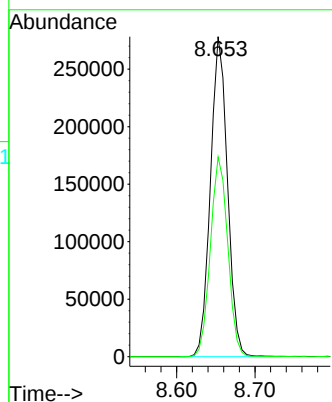
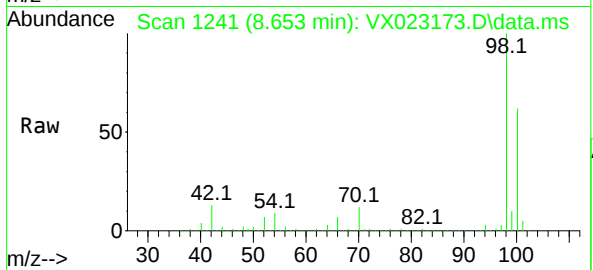




#50
Toluene-d8
Concen: 48.954 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

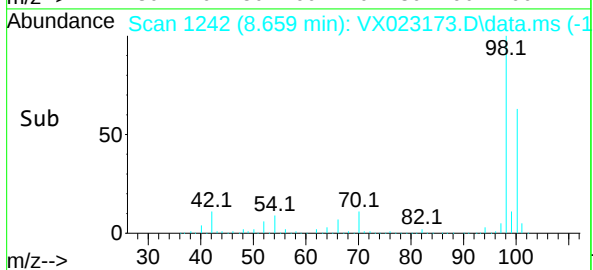
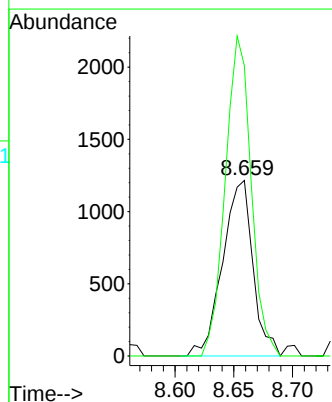
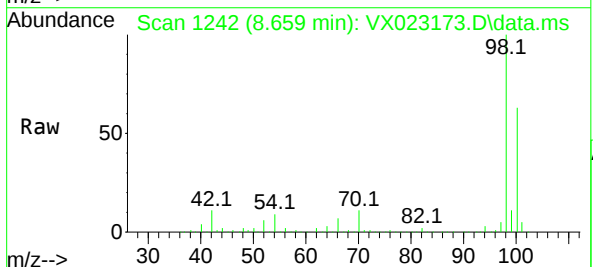
Instrument :
MSVOA_X
ClientSampled :

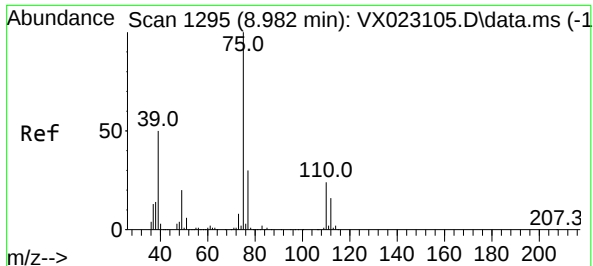
Tgt Ion: 98 Resp: 419750
Ion Ratio Lower Upper
98 100
100 63.7 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 0.611 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.079 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 43 Resp: 2180
Ion Ratio Lower Upper
43 100
58 156.0 35.4 53.0#

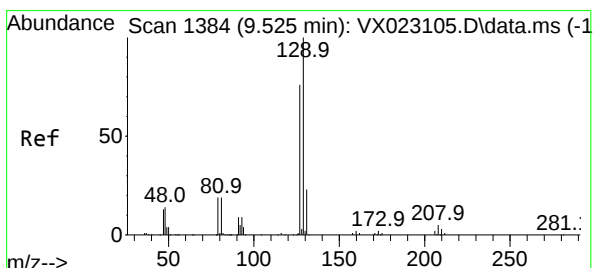
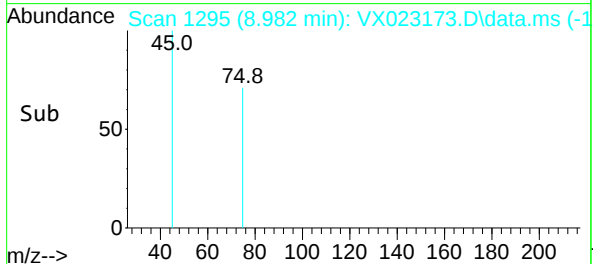
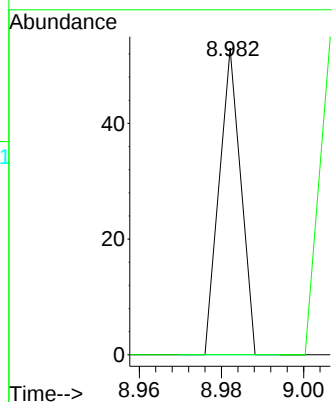
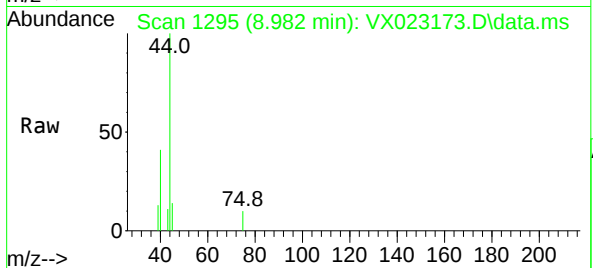




#53
t-1,3-Dichloropropene
Concen: 2.741 ug/l
RT: 8.982 min Scan# 1295
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

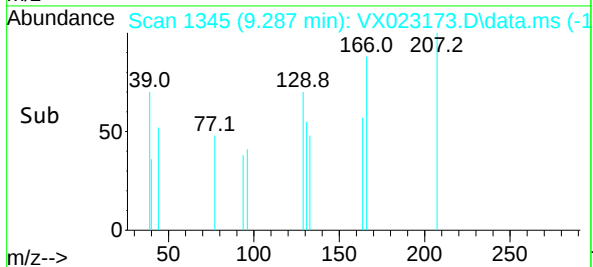
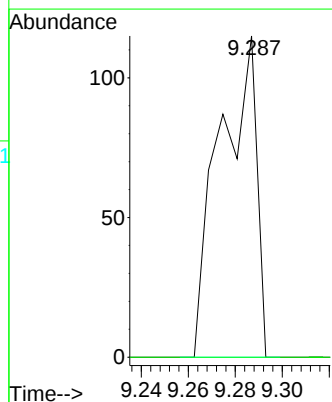
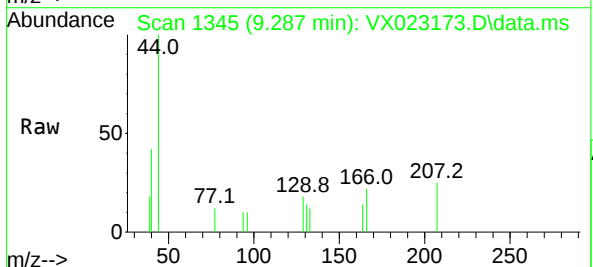
Instrument :
MSVOA_X
ClientSampled :

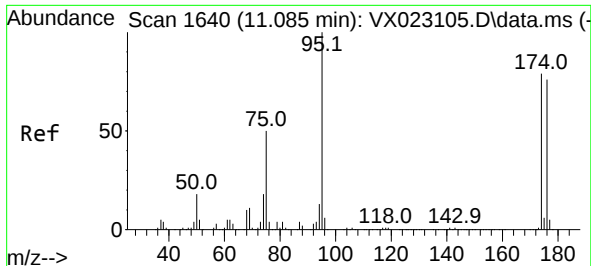
Tgt Ion: 75 Resp: 19
Ion Ratio Lower Upper
75 100
77 0.0 24.9 37.3#



#60
Dibromochloromethane
Concen: 3.154 ug/l
RT: 9.287 min Scan# 1345
Delta R.T. -0.238 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 129 Resp: 124
Ion Ratio Lower Upper
129 100
127 0.0 38.4 115.2#

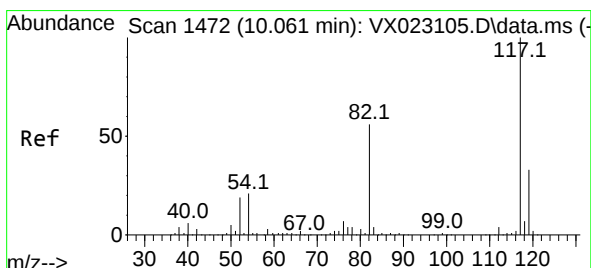
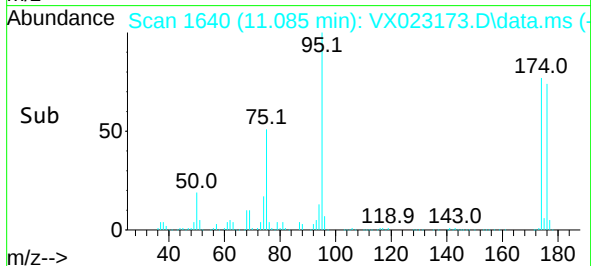
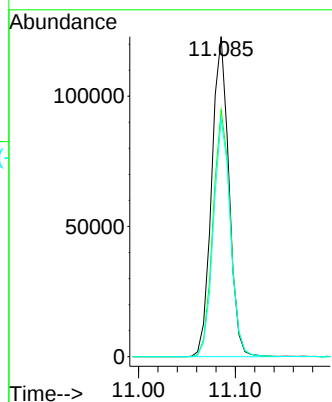
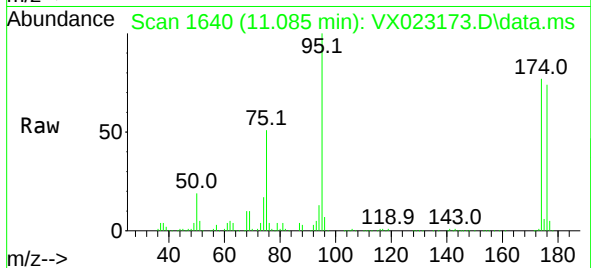




#62
4-Bromofluorobenzene
Concen: 45.942 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

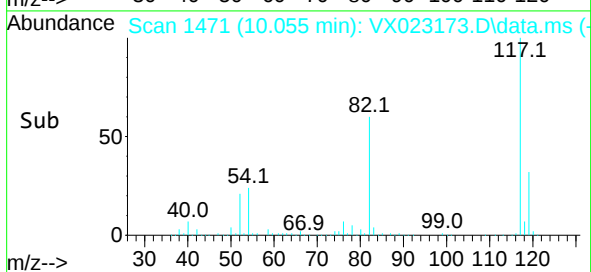
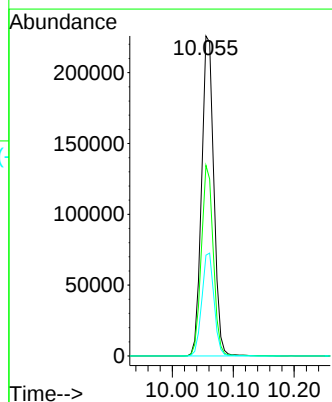
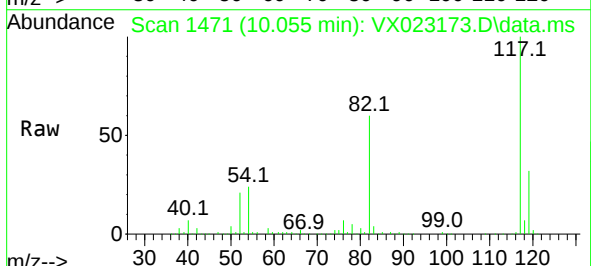
Instrument :
MSVOA_X
ClientSampleId :

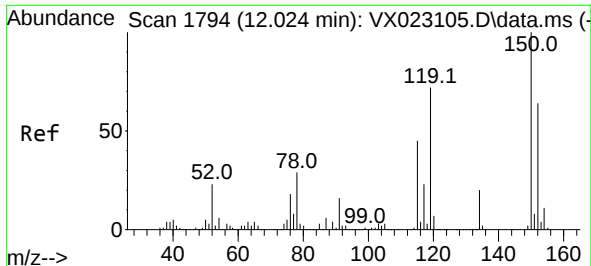
Tgt Ion: 95 Resp: 152076
Ion Ratio Lower Upper
95 100
174 77.7 0.0 154.6
176 73.6 0.0 155.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion: 117 Resp: 315349
Ion Ratio Lower Upper
117 100
82 59.5 47.4 71.2
119 31.5 26.6 39.8

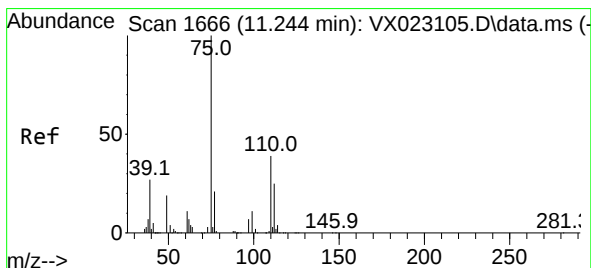
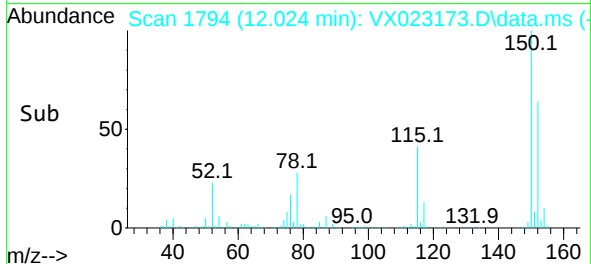
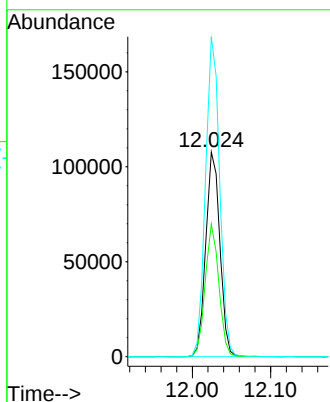
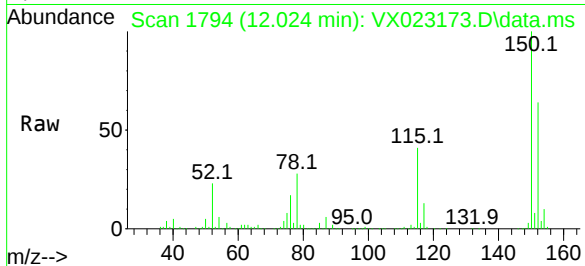




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: VX023173.D
 Acq: 07 Jul 2021 15:28

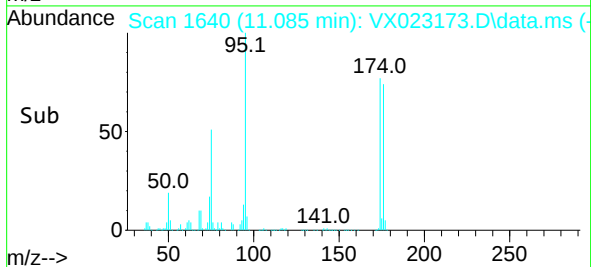
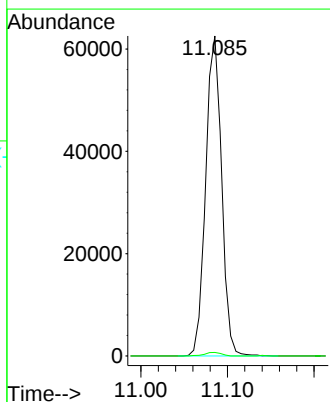
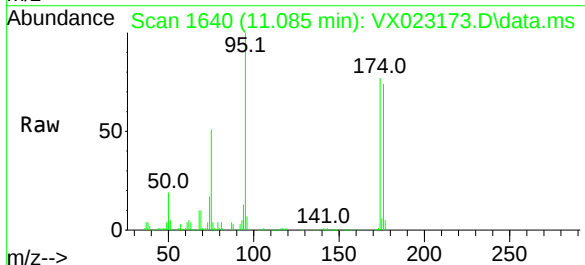
Instrument :
 MSVOA_X
 ClientSampleId :

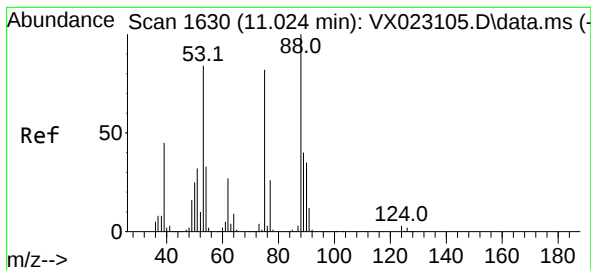
Tgt Ion:152 Resp: 134901
 Ion Ratio Lower Upper
 152 100
 115 62.7 41.1 123.3
 150 156.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 29.407 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX023173.D
 Acq: 07 Jul 2021 15:28

Tgt Ion: 75 Resp: 79830
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.1 57.5#

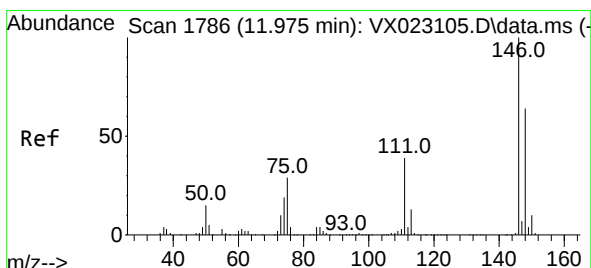
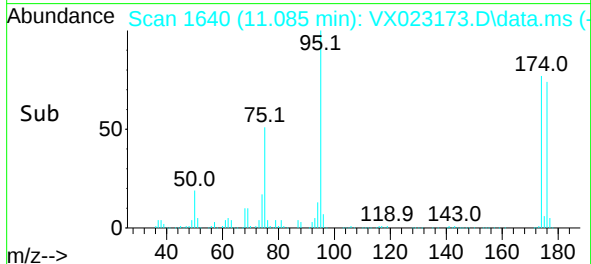
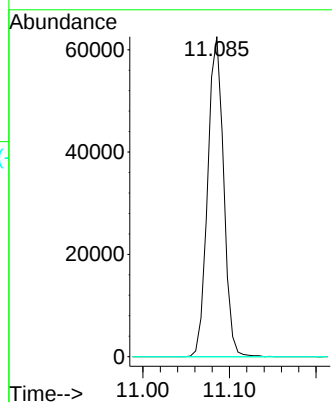
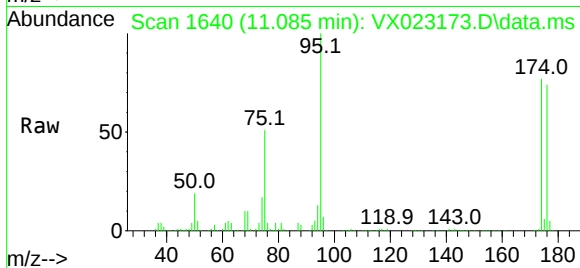




#81
trans-1,4-Dichloro-2-butene
Concen: 79.052 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.061 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

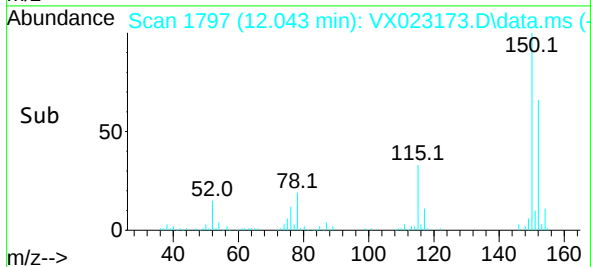
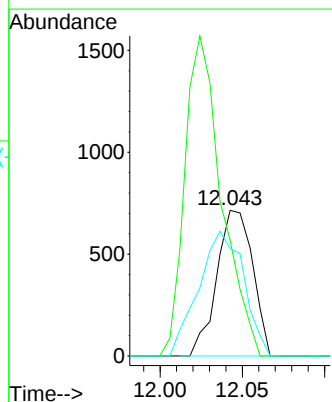
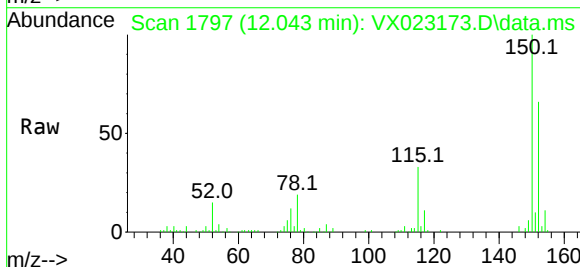
Instrument :
MSVOA_X
ClientSampleId :

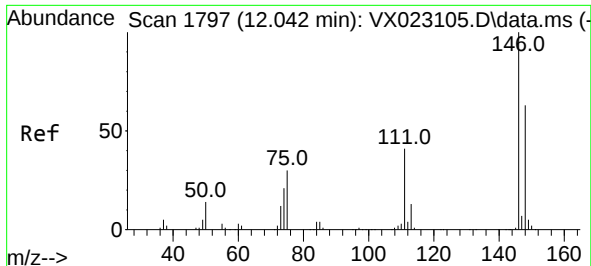
Tgt Ion: 75 Resp: 79830
Ion Ratio Lower Upper
75 100
53 0.0 74.5 111.7#
89 0.0 37.9 56.9#



#87
1,3-Dichlorobenzene
Concen: 0.243 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.068 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion:146 Resp: 1083
Ion Ratio Lower Upper
146 100
111 224.9 20.2 60.5#
148 107.6 31.9 95.7#

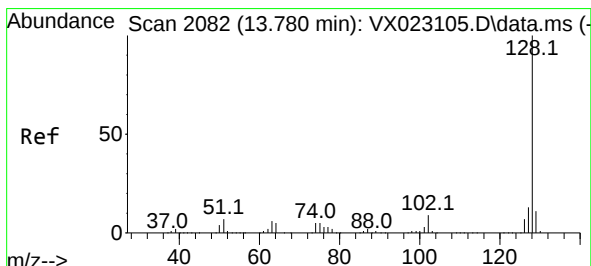
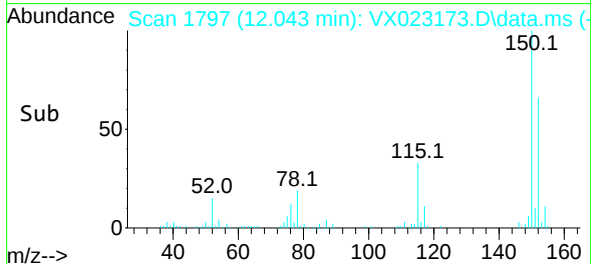
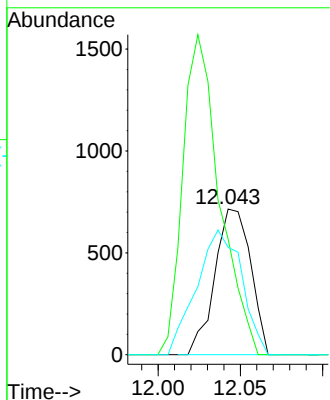
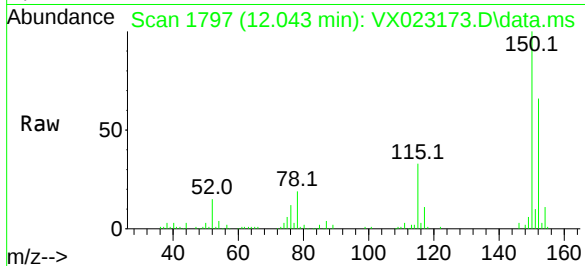




#88
1,4-Dichlorobenzene
Concen: 0.241 ug/l
RT: 12.043 min Scan# 1797
Delta R.T. 0.001 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Instrument :
MSVOA_X
ClientSampled :

Tgt Ion:146 Resp: 1083
Ion Ratio Lower Upper
146 100
111 224.9 19.6 58.8#
148 107.6 31.6 95.0#



#95
Naphthalene
Concen: 1.298 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.000 min
Lab File: VX023173.D
Acq: 07 Jul 2021 15:28

Tgt Ion:128 Resp: 228
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

