

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029178.D
 Acq On : 03 Jun 2022 09:01
 Operator : JC/MD
 Sample : N3164-18 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20220531

Quant Time: Jun 03 09:43:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

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

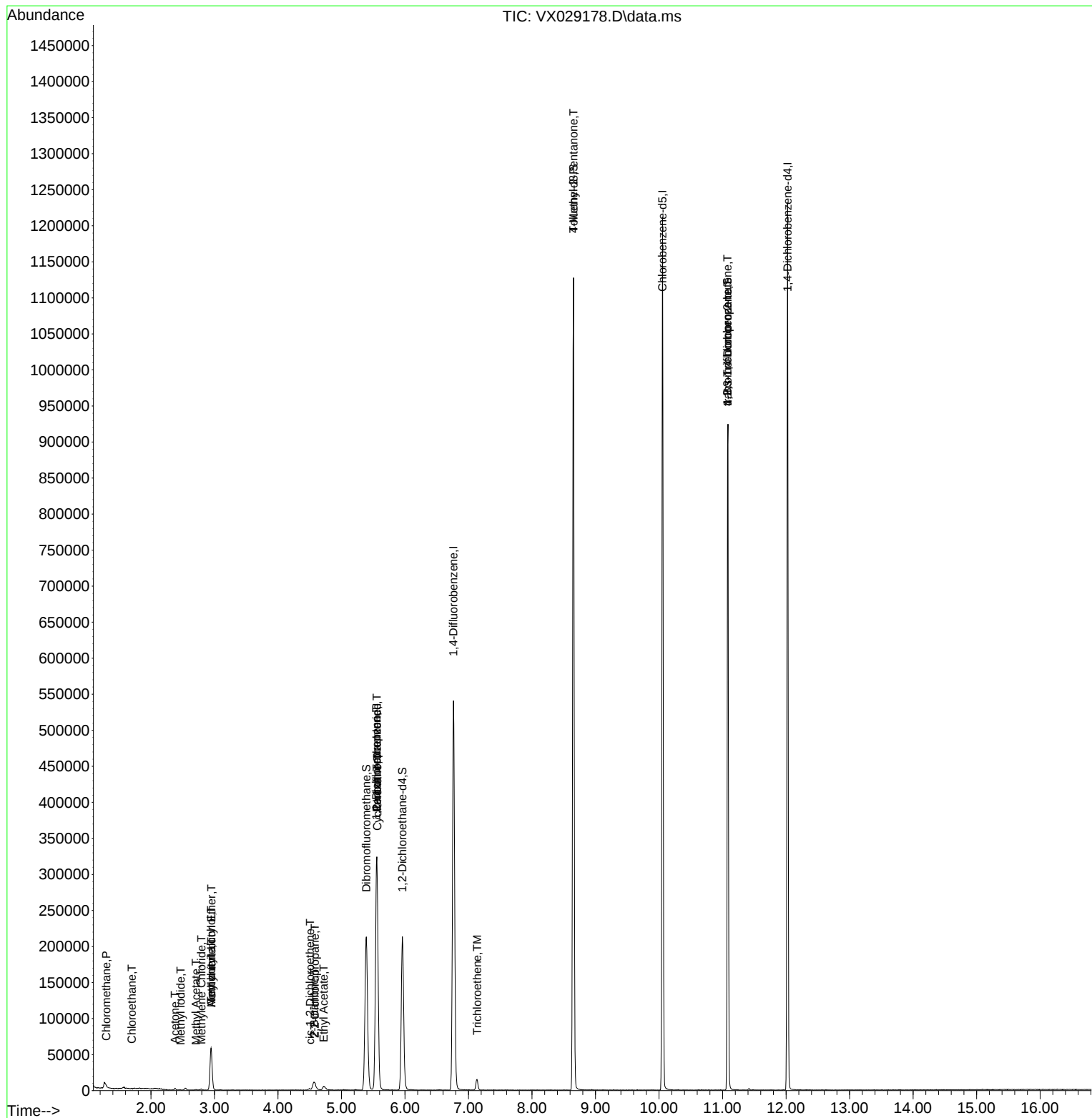
Internal Standards						
1) Pentafluorobenzene	5.556	168	305585	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	574860	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	553680	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	249732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	201934	58.601	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 117.200%			
35) Dibromofluoromethane	5.391	113	190430	49.872	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.740%			
50) Toluene-d8	8.653	98	679533	48.659	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 97.320%			
62) 4-Bromofluorobenzene	11.079	95	266128	49.298	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 98.600%			
Target Compounds						
						Qvalue
3) Chloromethane	1.294	50	675	0.243	ug/l	# 86
5) Bromomethane	1.617	94	605	Below Cal		# 75
6) Chloroethane	1.697	64	453	1.569	ug/l	# 43
10) Methyl Iodide	2.465	142	320	4.312	ug/l	# 77
11) Tert butyl alcohol	2.946	59	34718	43.492	ug/l	# 76
15) Acrylonitrile	2.953	53	609	0.371	ug/l	# 18
16) Acetone	2.379	43	2362	1.741	ug/l	# 81
18) Methyl Acetate	2.709	43	748	0.213	ug/l	90
19) Methyl tert-butyl Ether	2.953	73	2078	0.222	ug/l	95
20) Methylene Chloride	2.794	84	817	0.258	ug/l	97
25) 2-Butanone	4.568	43	492	0.225	ug/l	# 44
26) 2,2-Dichloropropane	4.580	77	1146	0.273	ug/l	# 52
27) cis-1,2-Dichloroethene	4.507	96	1457	0.393	ug/l	79
31) Cyclohexane	5.562	56	5644	1.260	ug/l	# 5
36) 1,1-Dichloropropene	5.550	75	23699	4.824	ug/l	# 50
37) Ethyl Acetate	4.721	43	9297	1.953	ug/l	# 90
38) Carbon Tetrachloride	5.556	117	31434	5.598	ug/l	# 16
44) Trichloroethene	7.135	130	6491	0.814	ug/l	92
51) 4-Methyl-2-Pentanone	8.653	43	2655	0.536	ug/l	# 1
76) 1,2,3-Trichloropropane	11.079	75	127118	25.110	ug/l	# 38
81) trans-1,4-Dichloro-2-b...	11.079	75	127118	73.667	ug/l	# 15

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

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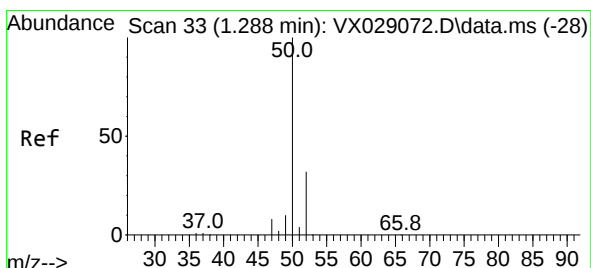
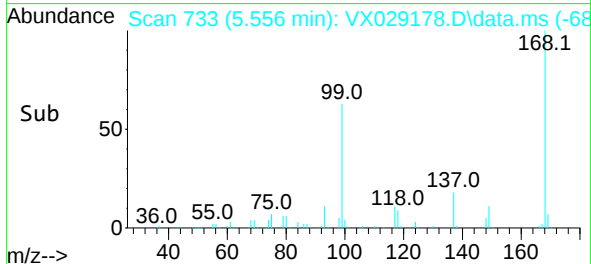
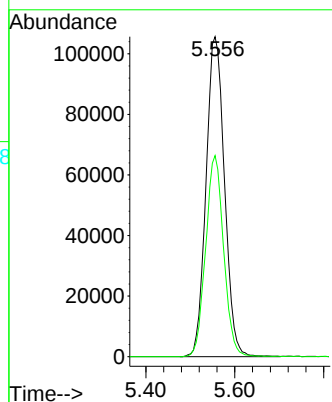
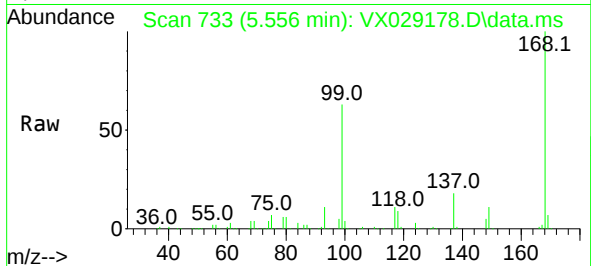




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

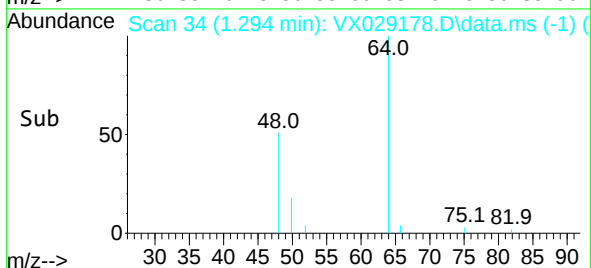
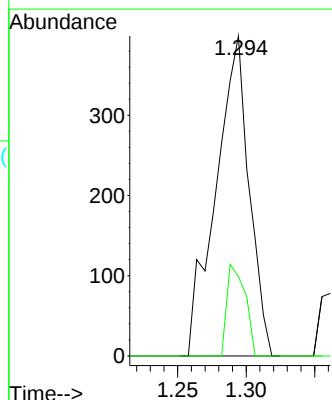
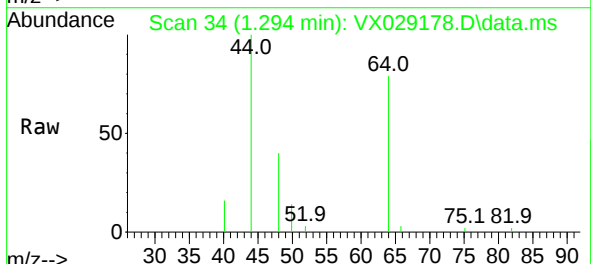
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

Tgt Ion:168 Resp: 305585
Ion Ratio Lower Upper
168 100
99 62.8 41.7 62.5#



#3
Chloromethane
Concen: 0.243 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 24.8 26.4 39.6#

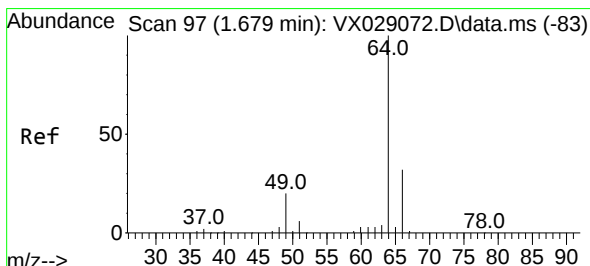
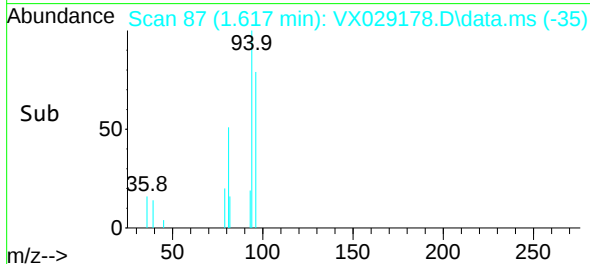
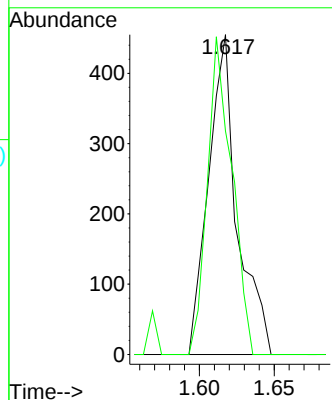
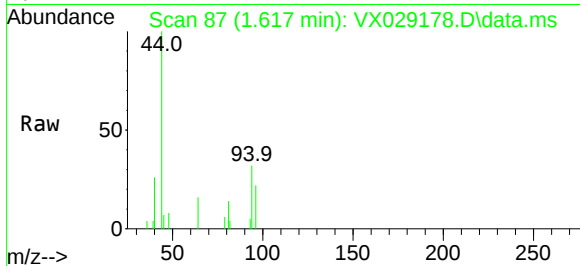




#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 81
Delta R.T. 0.018 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

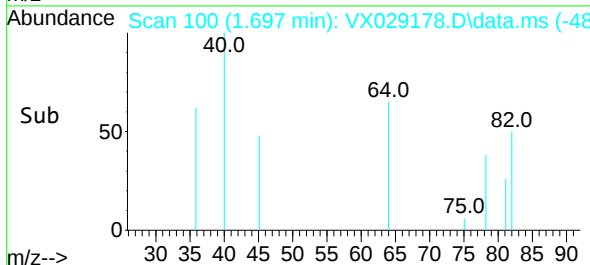
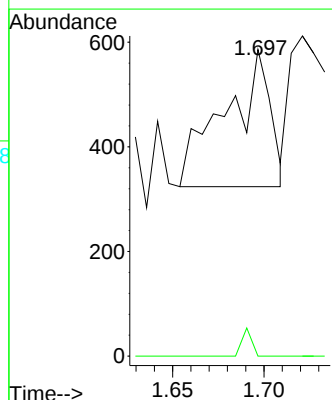
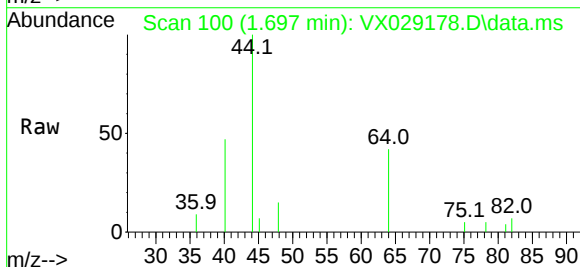
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

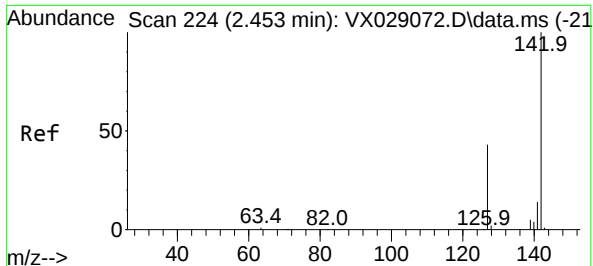
Tgt Ion: 94 Resp: 605
Ion Ratio Lower Upper
94 100
96 69.9 75.3 112.9#



#6
Chloroethane
Concen: 1.569 ug/l
RT: 1.697 min Scan# 100
Delta R.T. 0.018 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 64 Resp: 453
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

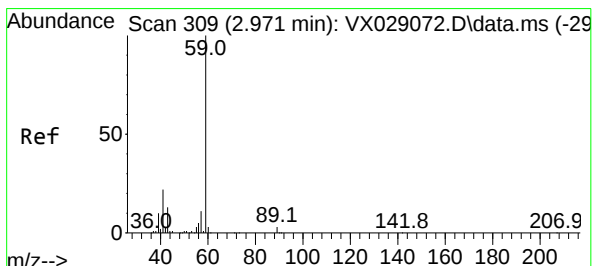
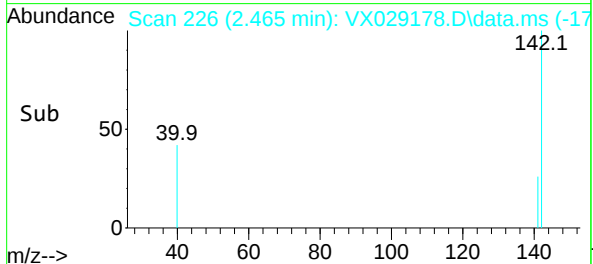
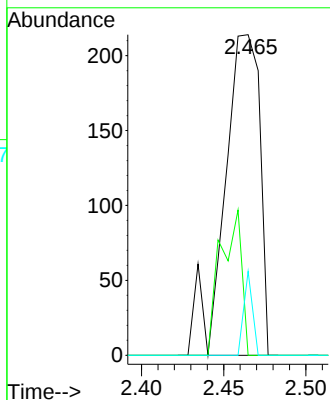
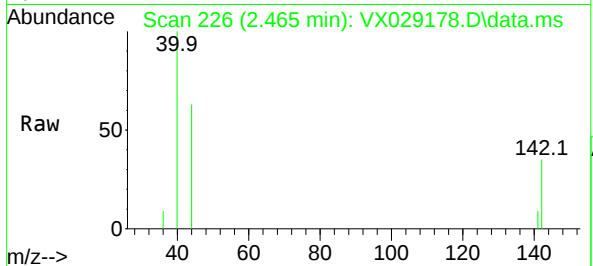




#10
Methyl Iodide
Concen: 4.312 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

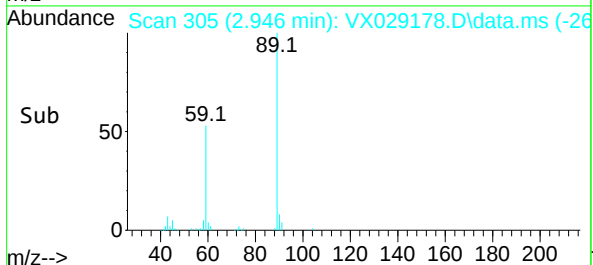
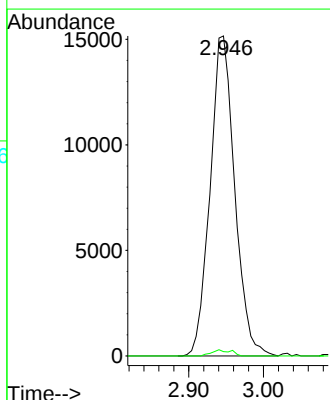
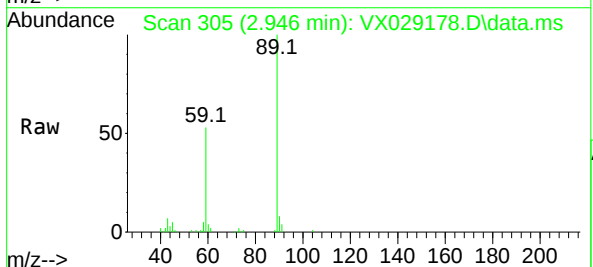
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

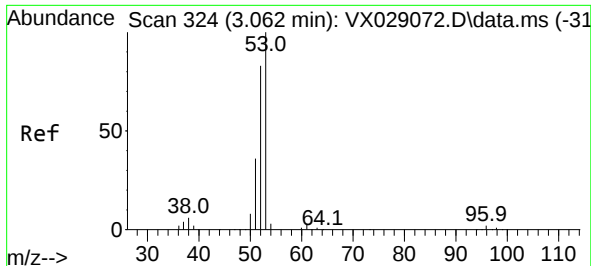
Tgt Ion:142 Resp: 320
Ion Ratio Lower Upper
142 100
127 27.2 33.9 50.9#
141 6.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 43.492 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.025 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 59 Resp: 34718
Ion Ratio Lower Upper
59 100
57 1.5 8.3 12.5#

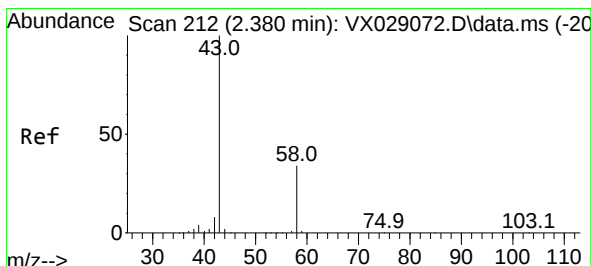
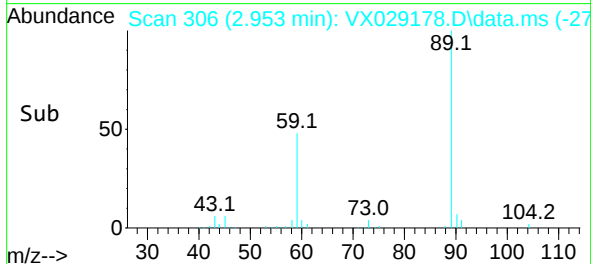
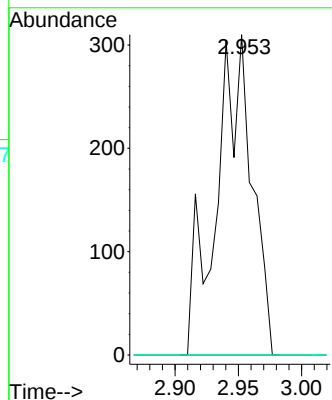
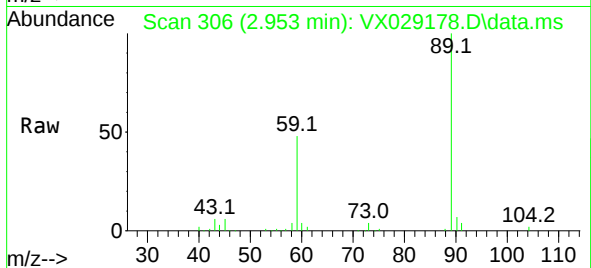




#15
Acrylonitrile
Concen: 0.371 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.109 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

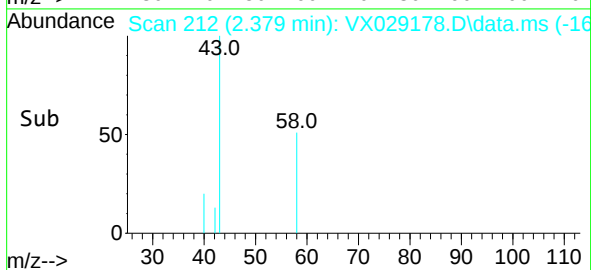
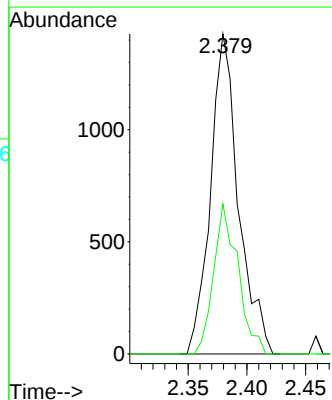
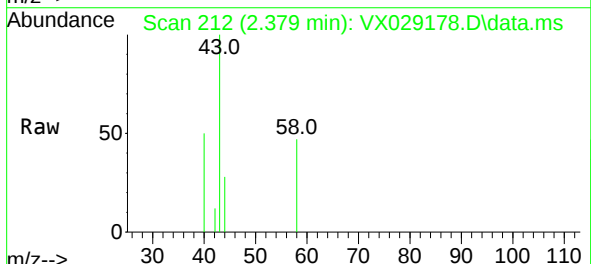
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

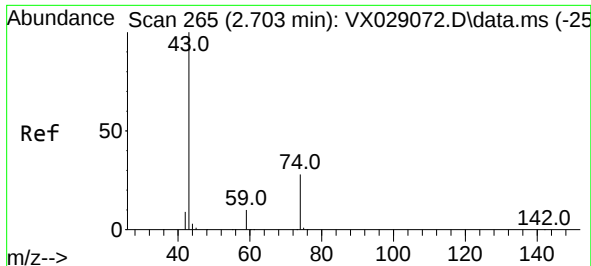
Tgt Ion: 53 Resp: 609
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 0.0 28.4 42.6#



#16
Acetone
Concen: 1.741 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.001 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 43 Resp: 2362
Ion Ratio Lower Upper
43 100
58 46.9 28.8 43.2#

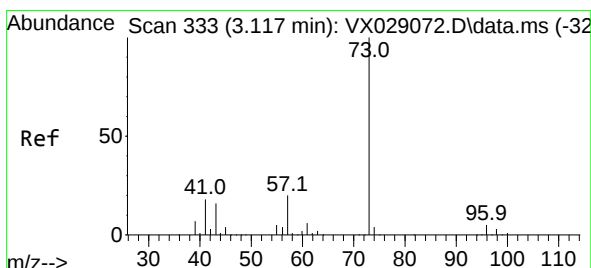
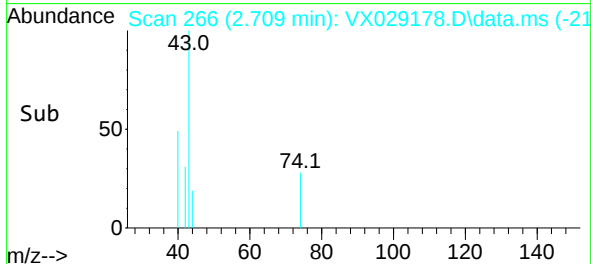
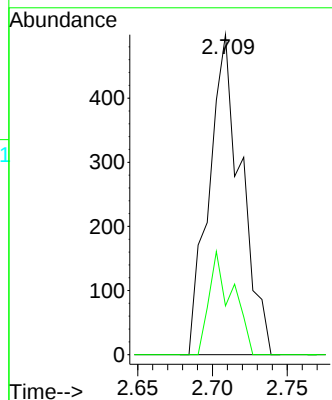
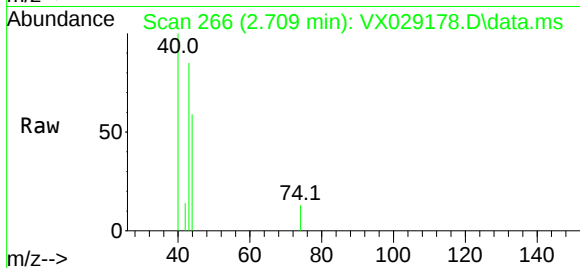




#18
Methyl Acetate
Concen: 0.213 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

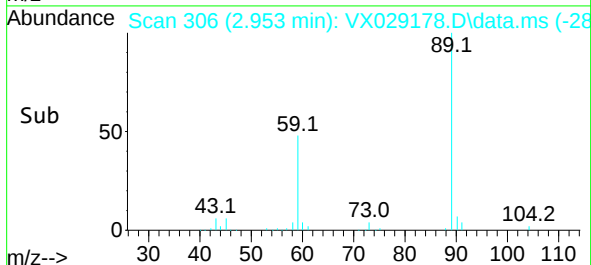
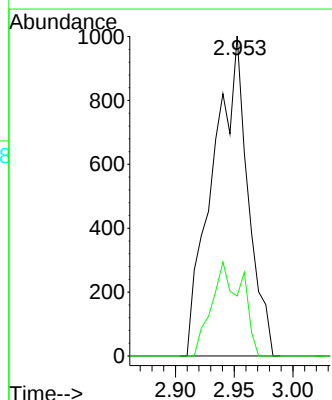
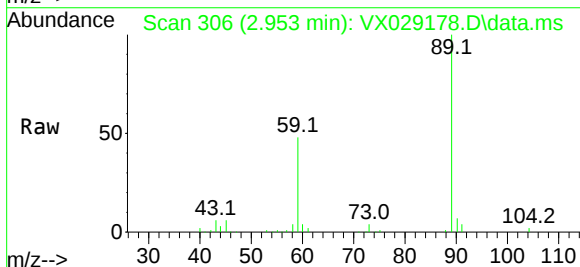
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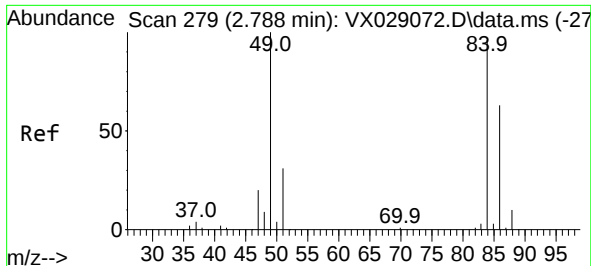
Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
74 23.4 22.8 34.2



#19
Methyl tert-butyl Ether
Concen: 0.222 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.164 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 73 Resp: 2078
Ion Ratio Lower Upper
73 100
57 18.8 16.8 25.2

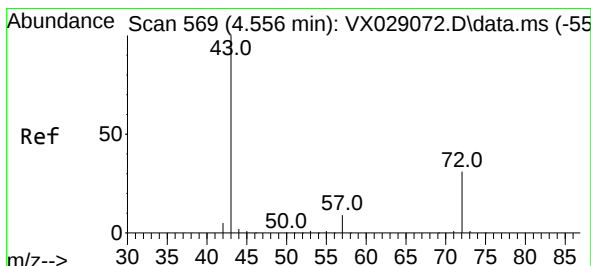
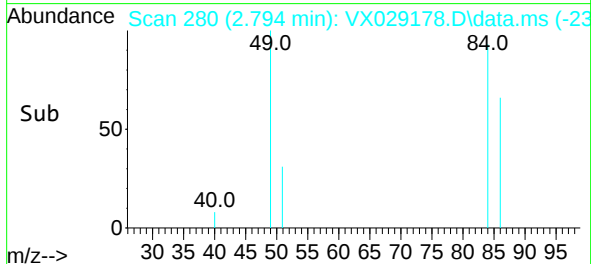
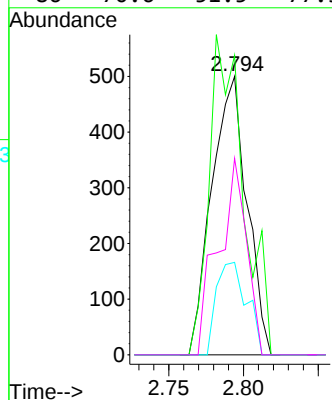
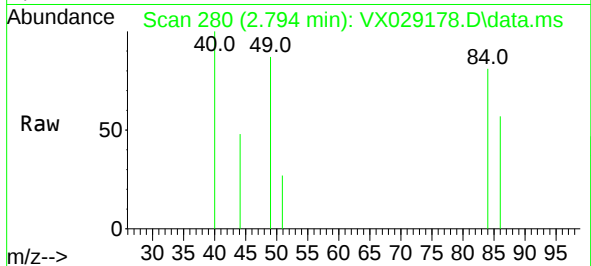




#20
Methylene Chloride
Concen: 0.258 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

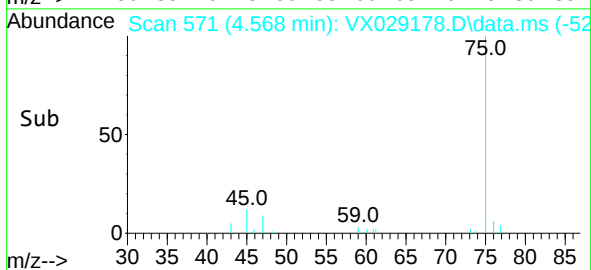
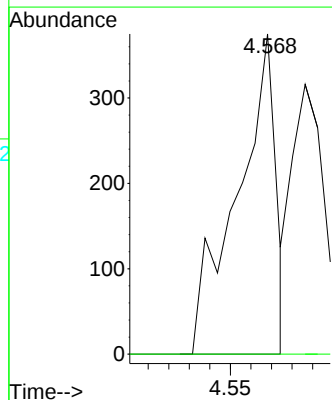
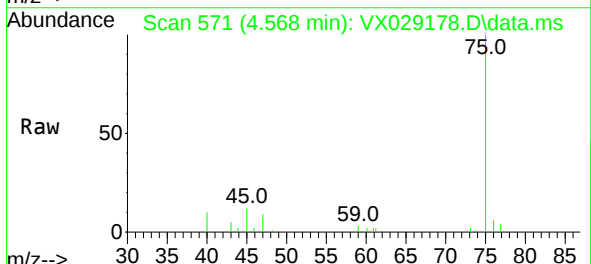
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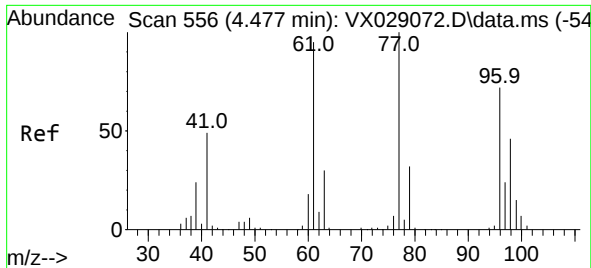
Tgt Ion: 84	Resp:	817
Ion	Ratio	Lower Upper
84	100	
49	107.6	85.5 128.3
51	33.2	26.6 39.8
86	70.6	51.5 77.3



#25
2-Butanone
Concen: 0.225 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.012 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 43	Resp:	492
Ion	Ratio	Lower Upper
43	100	
72	0.0	24.4 36.6#





#26

2,2-Dichloropropane

Concen: 0.273 ug/l

RT: 4.580 min Scan# 51

Delta R.T. 0.103 min

Lab File: VX029178.D

Acq: 03 Jun 2022 09:01

Instrument :

MSVOA_X

ClientSampleId :

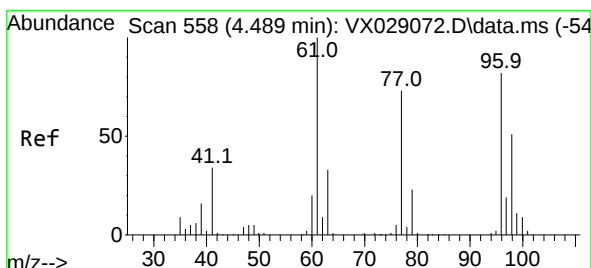
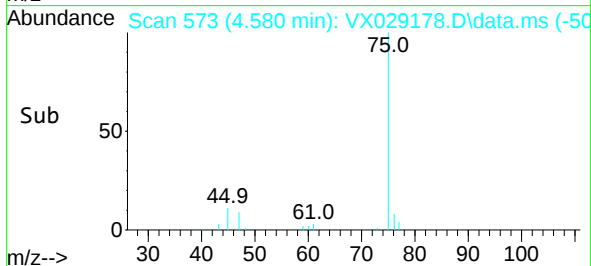
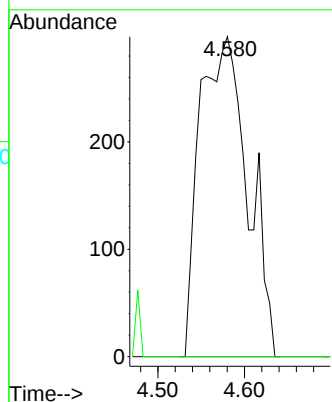
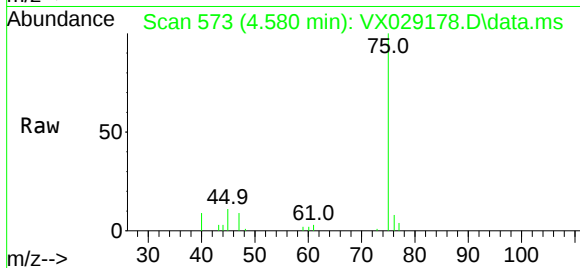
40S-20220531

Tgt Ion: 77 Resp: 1146

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#



#27

cis-1,2-Dichloroethene

Concen: 0.393 ug/l

RT: 4.507 min Scan# 561

Delta R.T. 0.018 min

Lab File: VX029178.D

Acq: 03 Jun 2022 09:01

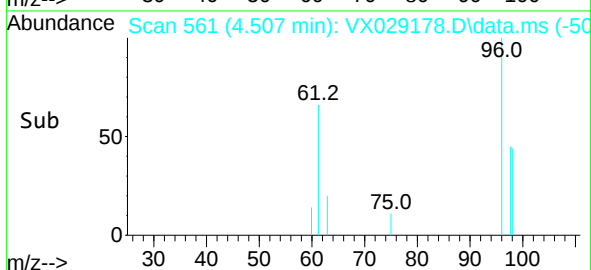
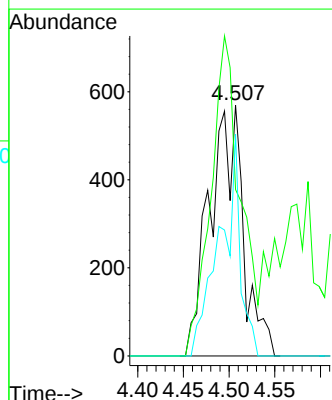
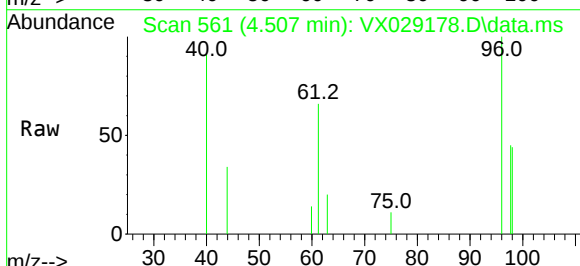
Tgt Ion: 96 Resp: 1457

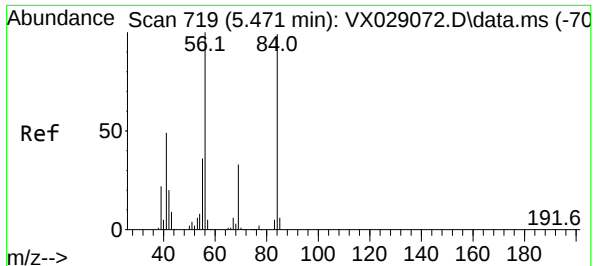
Ion Ratio Lower Upper

96 100

61 112.0 0.0 283.8

98 53.9 0.0 129.8

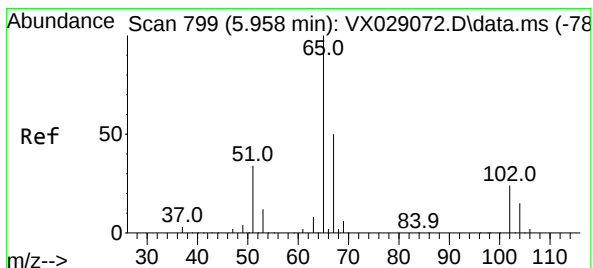
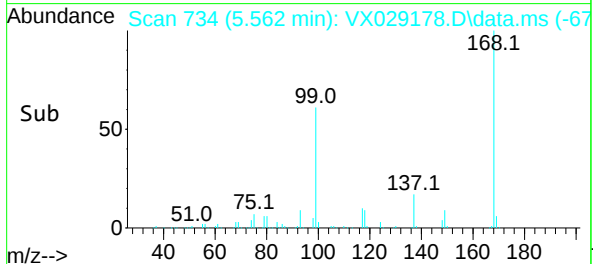
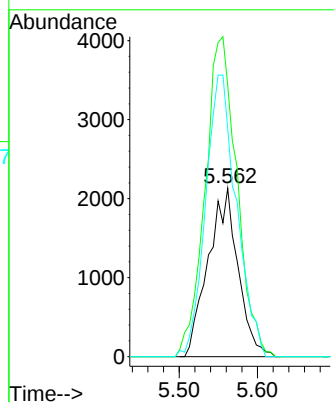
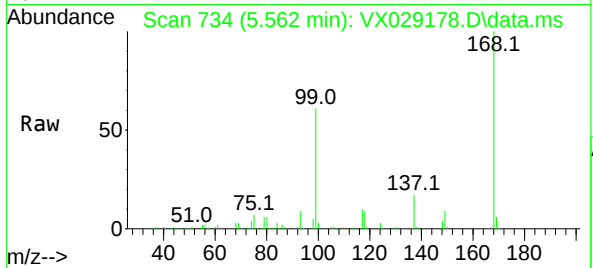




#31
Cyclohexane
Concen: 1.260 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

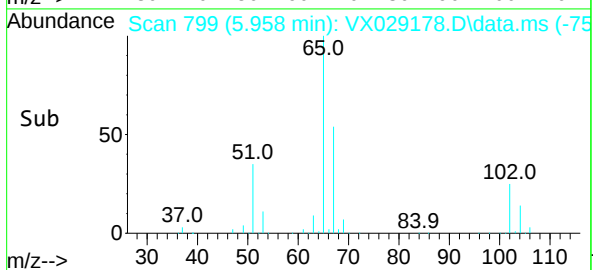
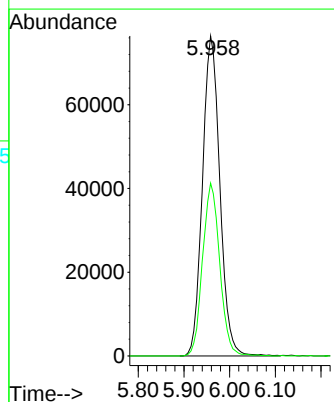
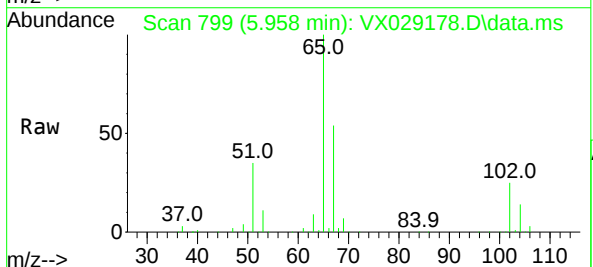
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

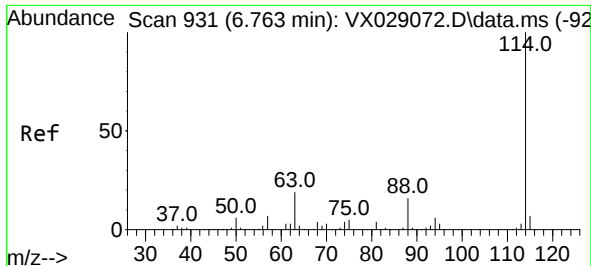
Tgt Ion: 56 Resp: 5644
Ion Ratio Lower Upper
56 100
69 161.0 26.7 40.1#
84 145.3 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 58.601 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 65 Resp: 201934
Ion Ratio Lower Upper
65 100
67 53.3 0.0 107.4

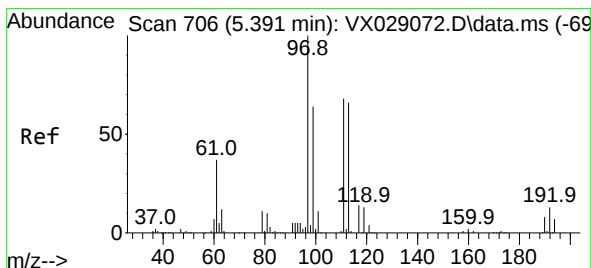
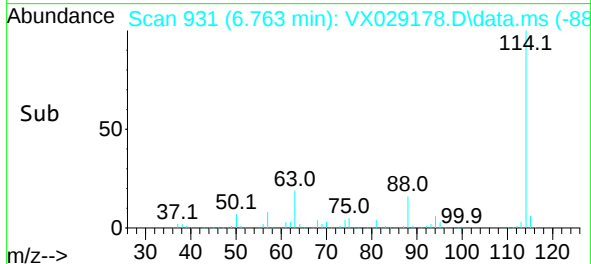
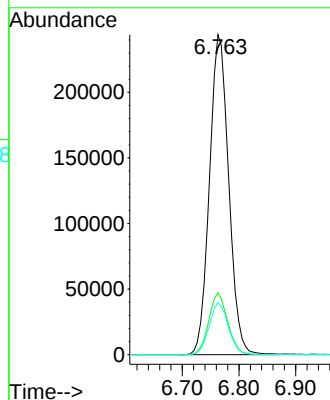
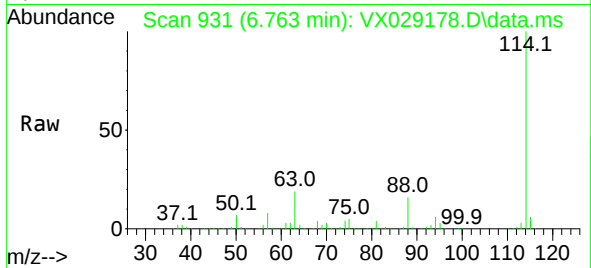




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

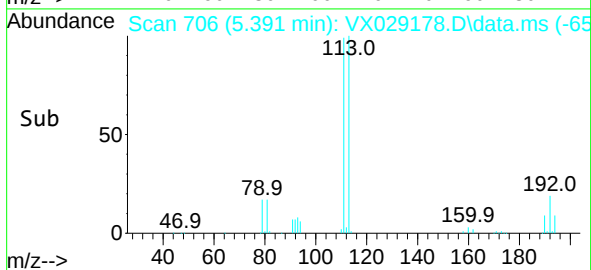
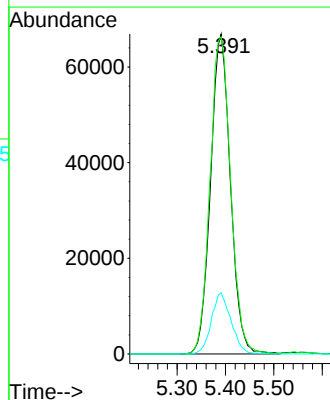
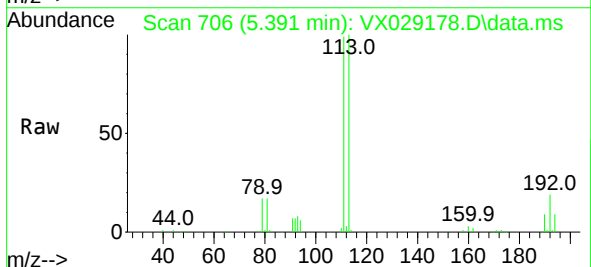
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

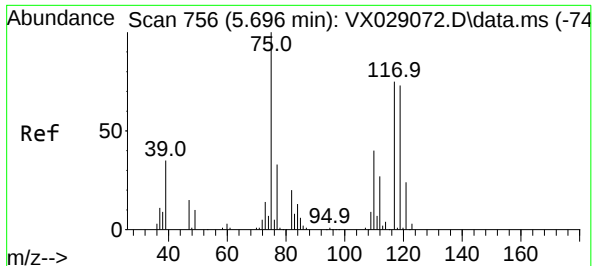
Tgt Ion:114 Resp: 574860
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 49.872 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion:113 Resp: 190430
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 19.0 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.824 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX029178.D

Acq: 03 Jun 2022 09:01

Instrument :

MSVOA_X

ClientSampleId :

40S-20220531

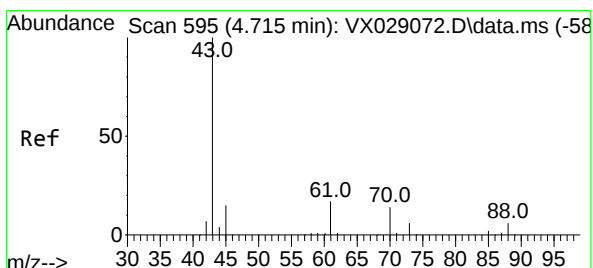
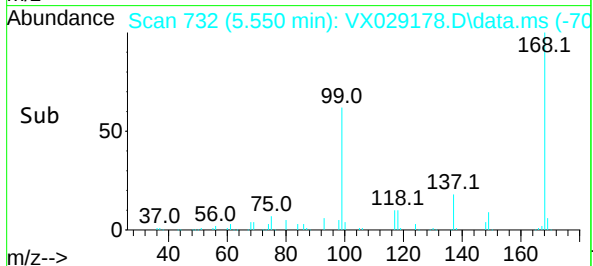
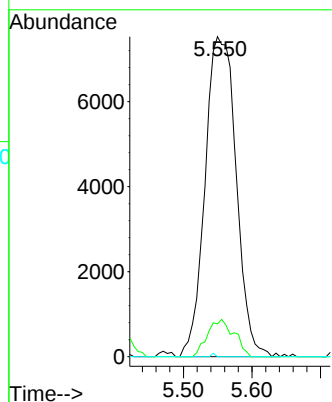
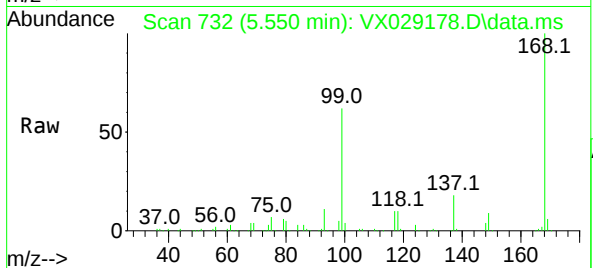
Tgt Ion: 75 Resp: 23699

Ion Ratio Lower Upper

75 100

110 10.0 18.3 54.8#

77 0.1 24.8 37.2#



#37

Ethyl Acetate

Concen: 1.953 ug/l

RT: 4.721 min Scan# 596

Delta R.T. 0.006 min

Lab File: VX029178.D

Acq: 03 Jun 2022 09:01

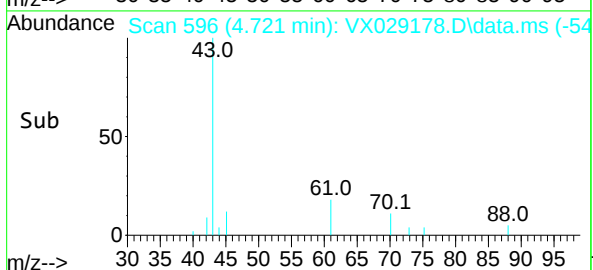
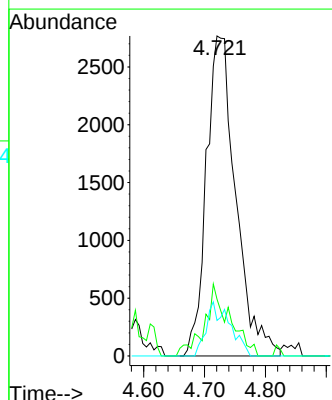
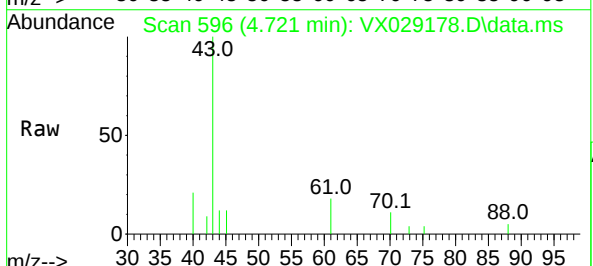
Tgt Ion: 43 Resp: 9297

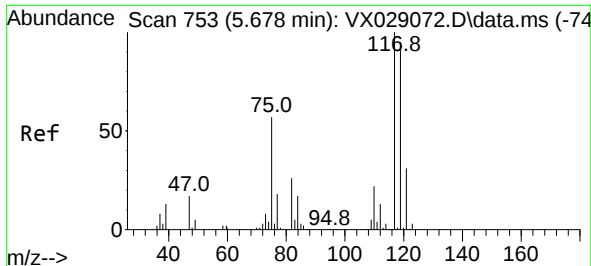
Ion Ratio Lower Upper

43 100

61 19.3 12.6 19.0#

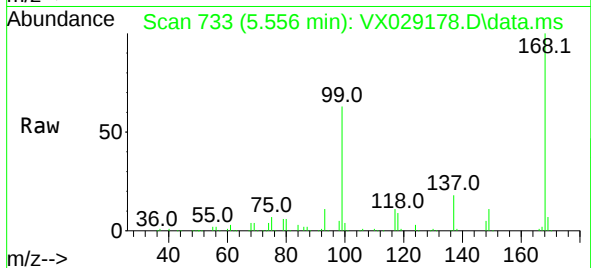
70 7.7 10.2 15.2#



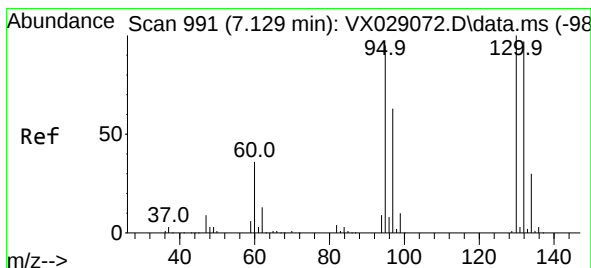
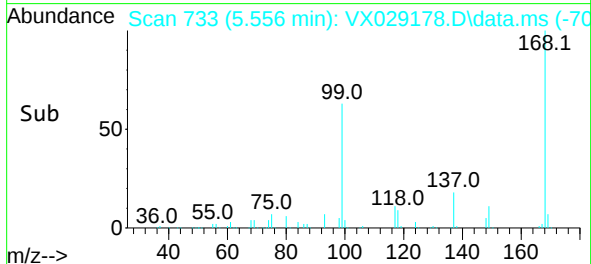
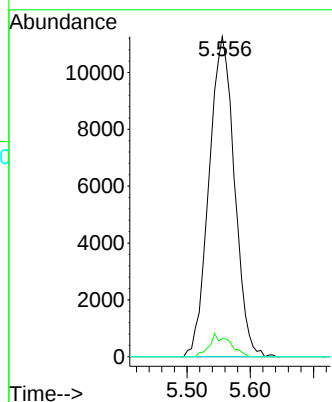


#38
Carbon Tetrachloride
Concen: 5.598 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

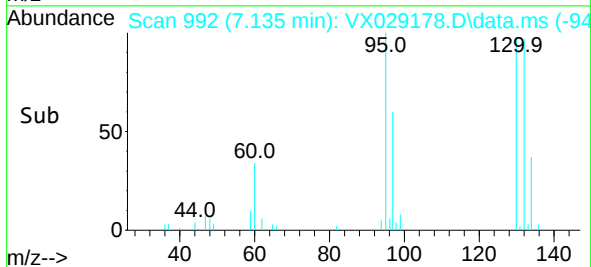
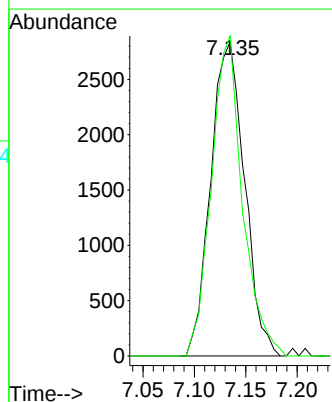
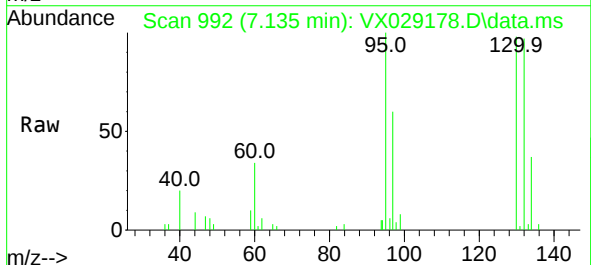


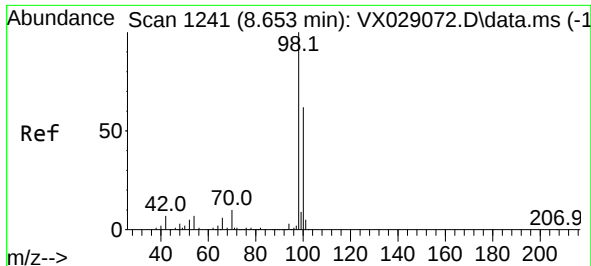
Tgt Ion:117 Resp: 31434
Ion Ratio Lower Upper
117 100
119 5.6 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: 0.814 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion:130 Resp: 6491
Ion Ratio Lower Upper
130 100
95 101.9 0.0 188.8

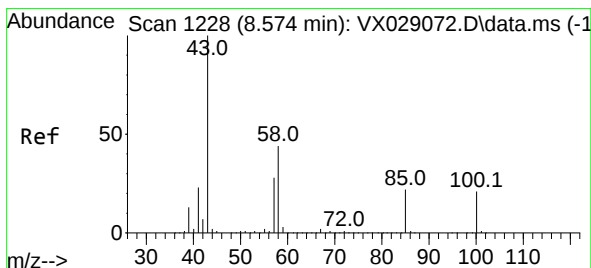
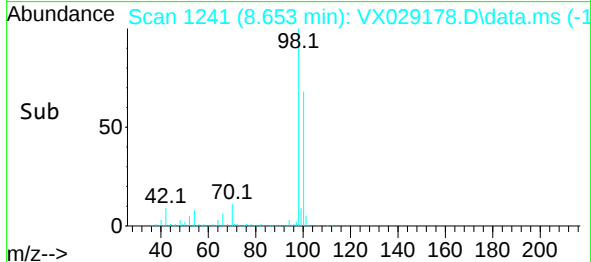
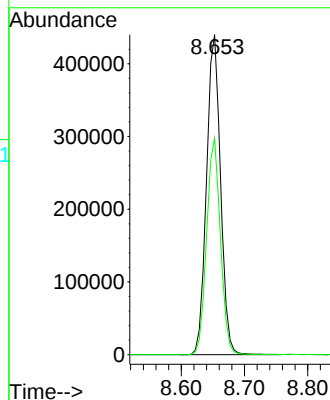
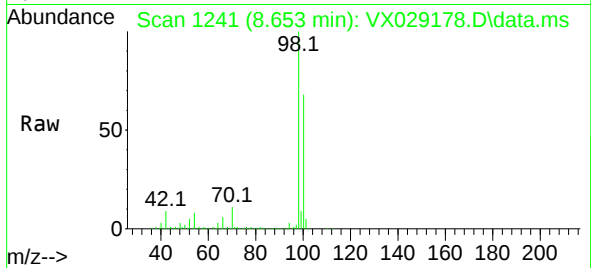




#50
Toluene-d8
Concen: 48.659 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

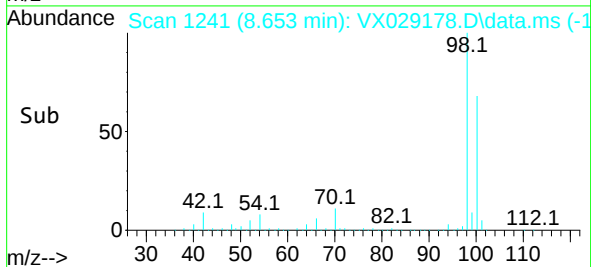
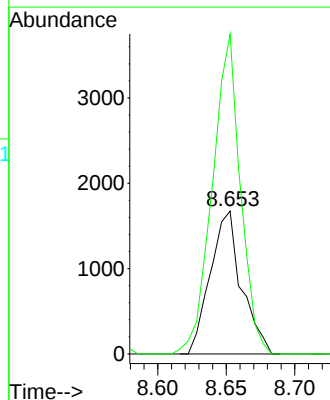
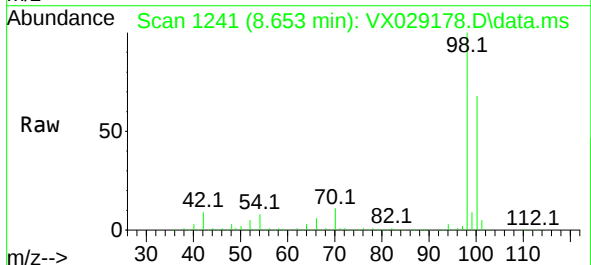
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

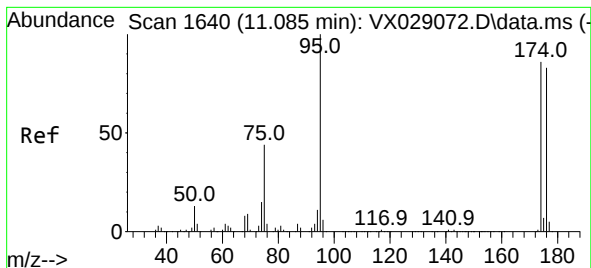
Tgt Ion: 98 Resp: 679533
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.536 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 43 Resp: 2655
Ion Ratio Lower Upper
43 100
58 201.1 36.1 54.1#

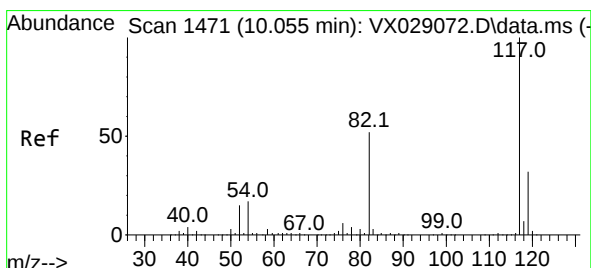
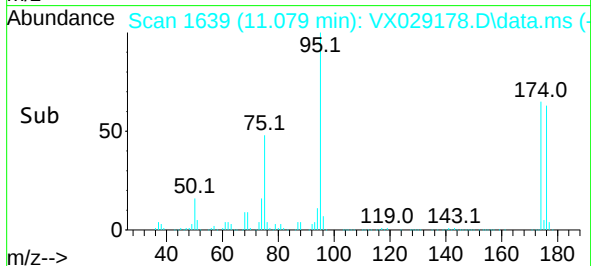
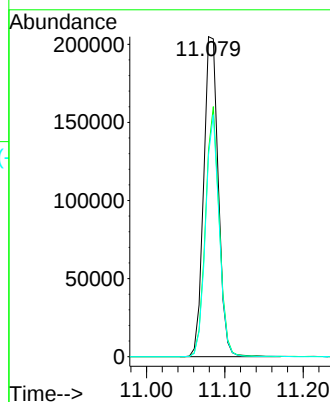
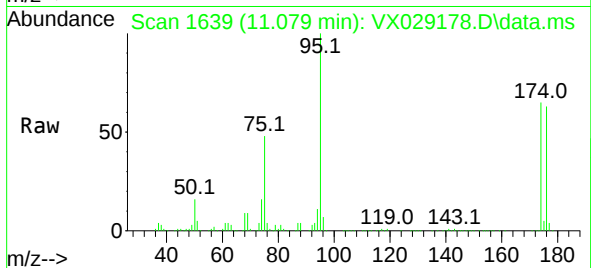




#62
4-Bromofluorobenzene
Concen: 49.298 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

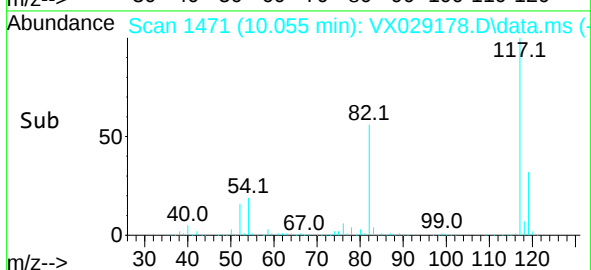
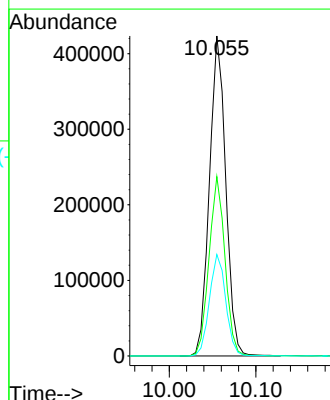
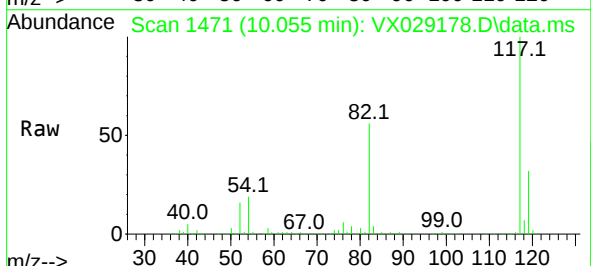
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

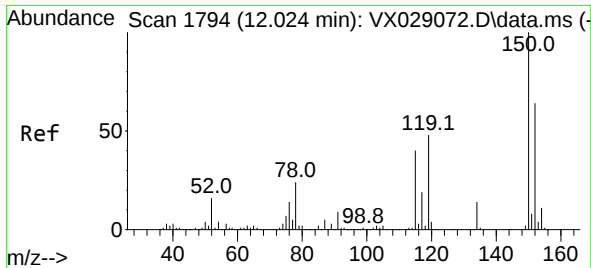
Tgt Ion: 95 Resp: 266128
Ion Ratio Lower Upper
95 100
174 73.3 0.0 163.0
176 70.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 117 Resp: 553680
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 31.7 24.8 37.2

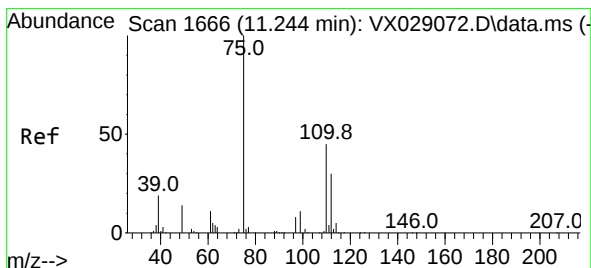
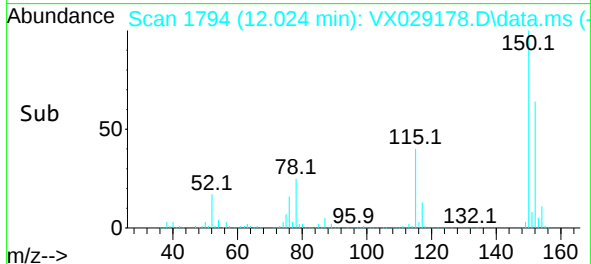
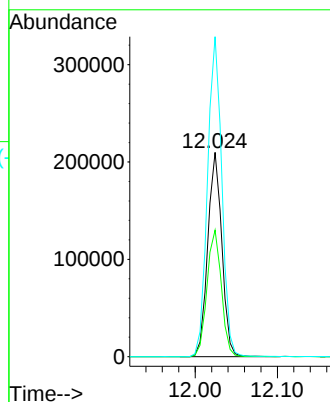
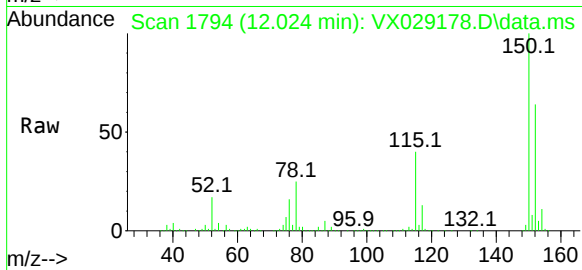




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

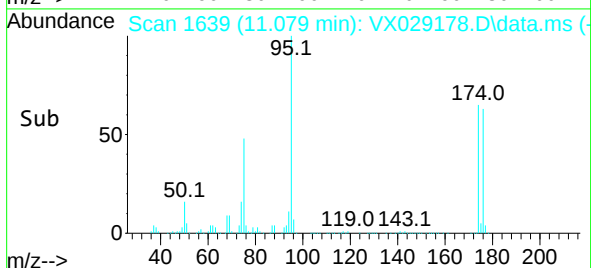
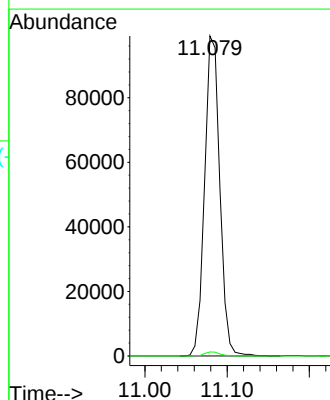
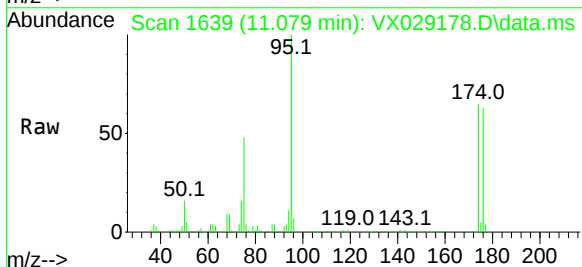
Instrument :
MSVOA_X
ClientSampleId :
40S-20220531

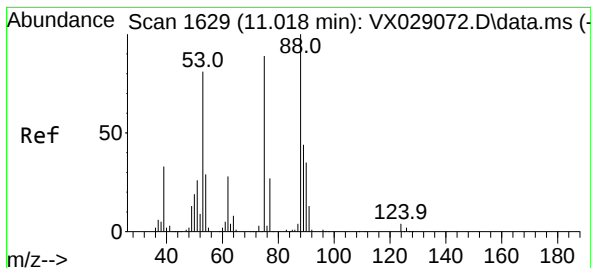
Tgt Ion:152 Resp: 249732
Ion Ratio Lower Upper
152 100
115 63.2 37.5 112.7
150 158.8 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 25.110 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029178.D
Acq: 03 Jun 2022 09:01

Tgt Ion: 75 Resp: 127118
Ion Ratio Lower Upper
75 100
77 1.3 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.667 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029178.D
 Acq: 03 Jun 2022 09:01

Instrument :
 MSVOA_X
 ClientSampleId :
 40S-20220531

Tgt Ion: 75 Resp: 127118
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

