

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029217.D
 Acq On : 04 Jun 2022 02:07
 Operator : JC/MD
 Sample : N3165-13 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 66BR-20220531

Quant Time: Jun 06 02:39:55 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)

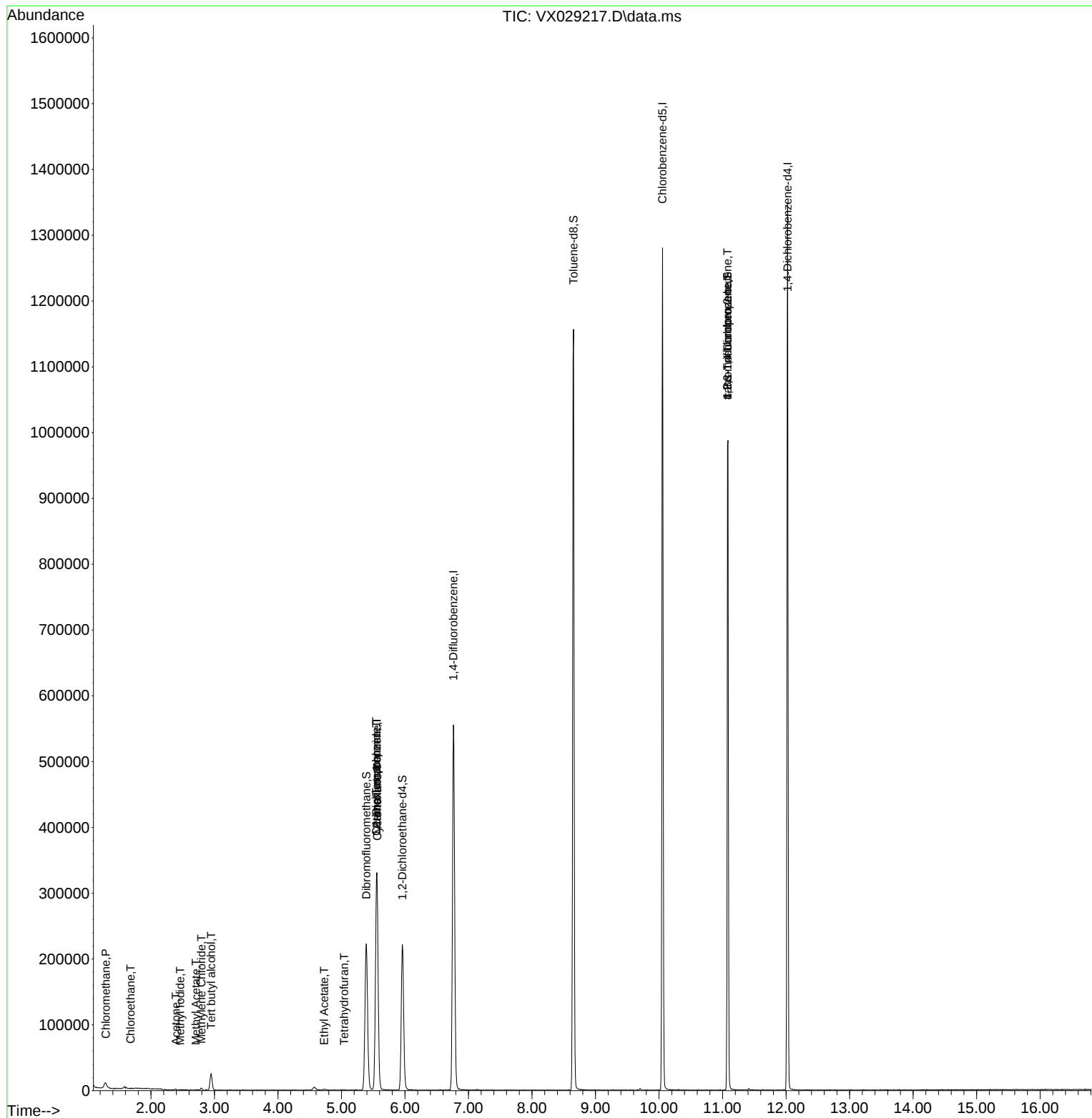
Internal Standards						
1) Pentafluorobenzene	5.556	168	315658	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	588618	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	582682	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	270703	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	213938	60.104	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 120.200%	
35) Dibromofluoromethane	5.391	113	200039	51.164	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 102.320%	
50) Toluene-d8	8.653	98	706093	49.379	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	11.079	95	285342	51.622	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 103.240%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	735	0.256	ug/l	98
5) Bromomethane	1.611	94	872	Below Cal		93
6) Chloroethane	1.678	64	375	1.537	ug/l #	43
10) Methyl Iodide	2.459	142	595	4.380	ug/l	94
11) Tert butyl alcohol	2.947	59	14634	17.747	ug/l #	74
16) Acetone	2.392	43	1594	1.137	ug/l	95
18) Methyl Acetate	2.709	43	893	0.246	ug/l #	54
20) Methylene Chloride	2.794	84	1434	0.439	ug/l	91
29) Tetrahydrofuran	5.044	42	374	0.258	ug/l #	41
31) Cyclohexane	5.562	56	6205	1.341	ug/l #	8
36) 1,1-Dichloropropene	5.550	75	24480	4.866	ug/l #	49
37) Ethyl Acetate	4.727	43	2008	0.412	ug/l #	73
38) Carbon Tetrachloride	5.550	117	32758	5.698	ug/l #	16
44) Trichloroethene	7.129	130	278	Below Cal		44
76) 1,2,3-Trichloropropane	11.079	75	138159	25.177	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	138159	73.863	ug/l #	15

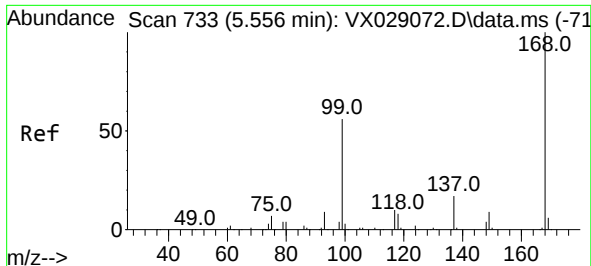
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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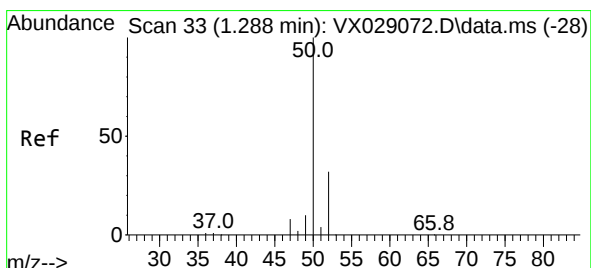
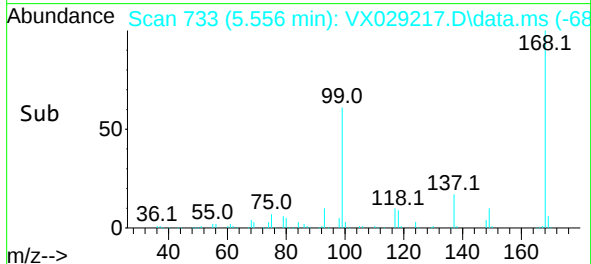
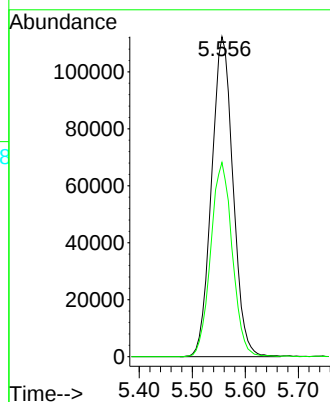
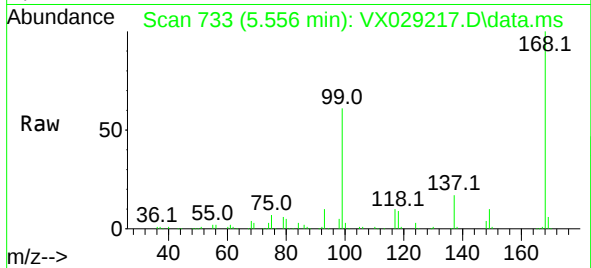




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

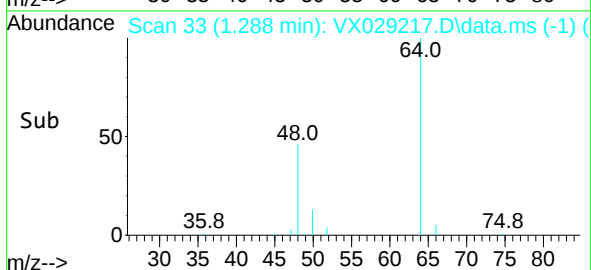
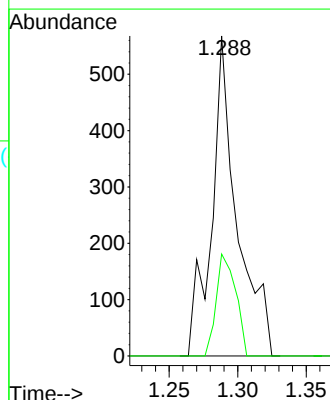
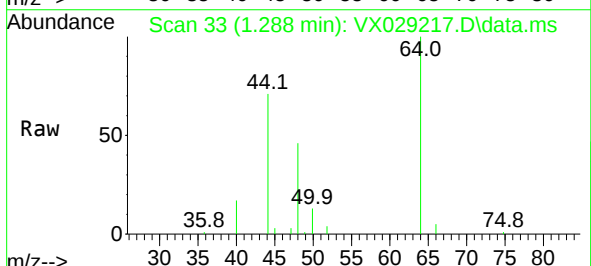
Instrument :
MSVOA_X
ClientSampleId :
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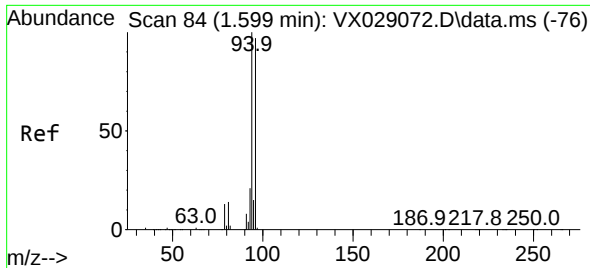
Tgt Ion:168 Resp: 315658
Ion Ratio Lower Upper
168 100
99 60.7 41.7 62.5



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 50 Resp: 735
Ion Ratio Lower Upper
50 100
52 31.9 26.4 39.6

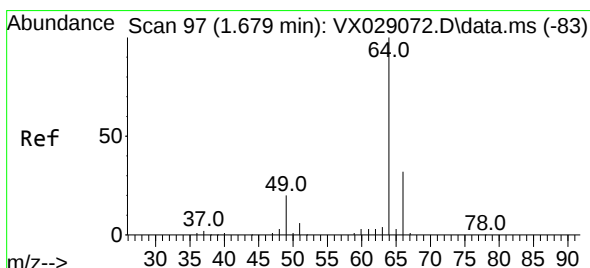
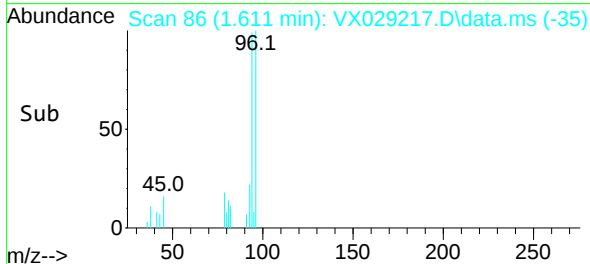
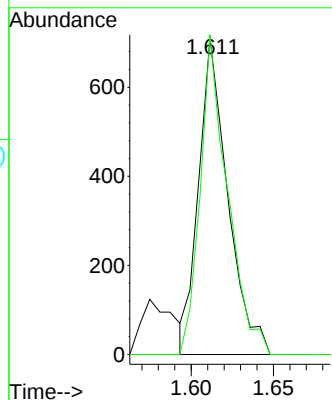
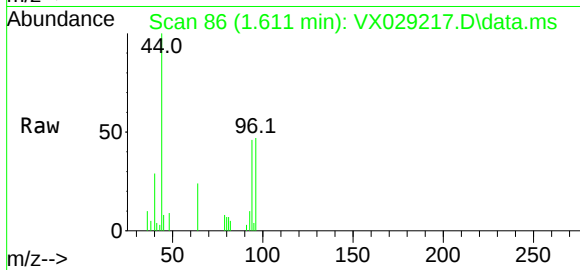




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

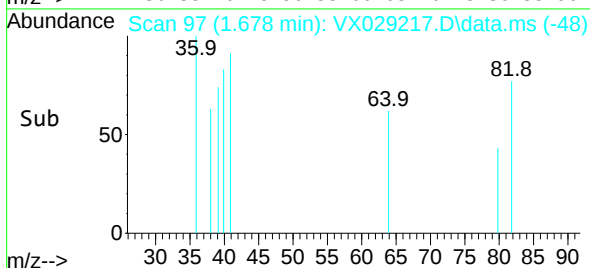
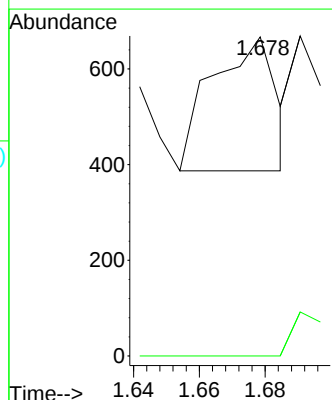
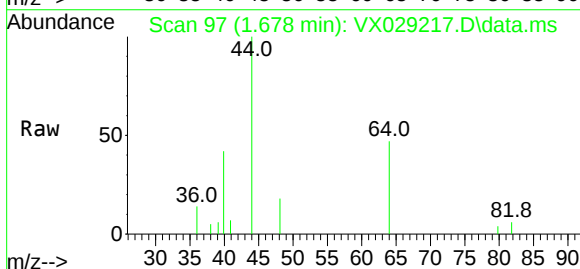
Instrument :
MSVOA_X
ClientSampleId :
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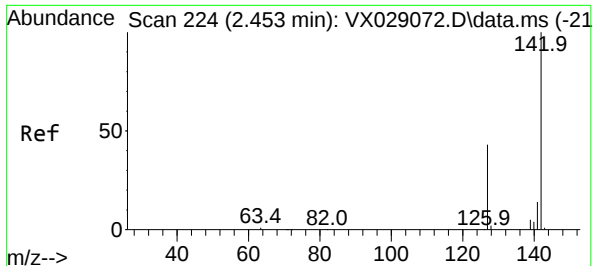
Tgt Ion: 94 Resp: 872
Ion Ratio Lower Upper
94 100
96 100.8 75.3 112.9



#6
Chloroethane
Concen: 1.537 ug/l
RT: 1.678 min Scan# 97
Delta R.T. -0.001 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

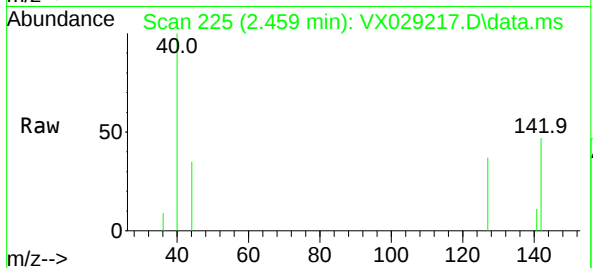
Tgt Ion: 64 Resp: 375
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



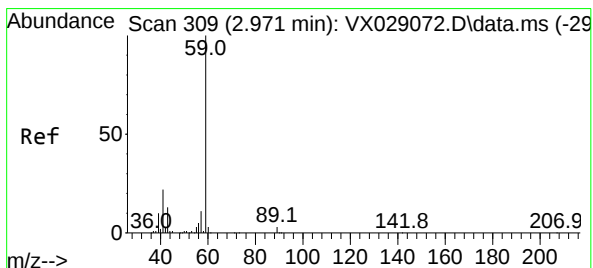
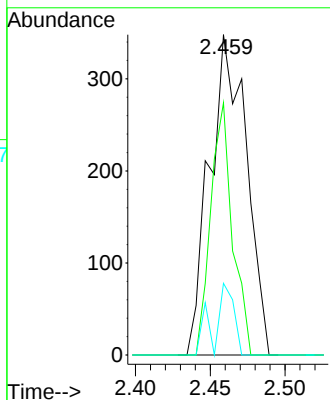
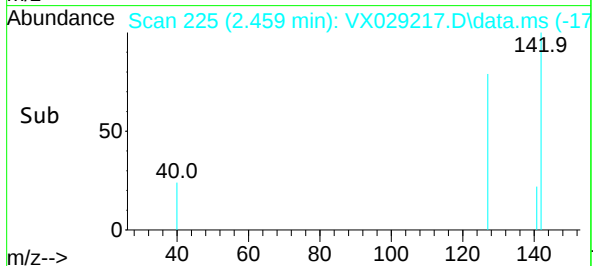


#10
Methyl Iodide
Concen: 4.380 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

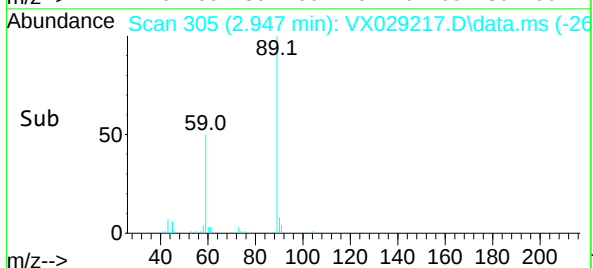
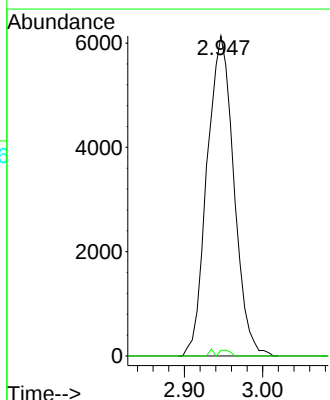
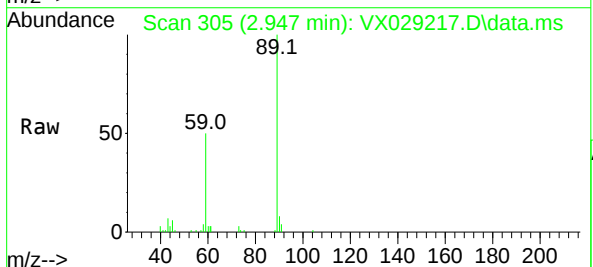


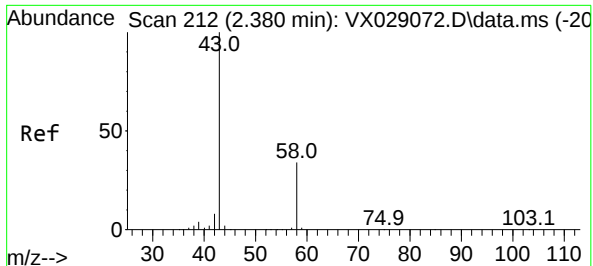
Tgt Ion:142 Resp: 595
Ion Ratio Lower Upper
142 100
127 46.6 33.9 50.9
141 11.9 11.4 17.2



#11
Tert butyl alcohol
Concen: 17.747 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 59 Resp: 14634
Ion Ratio Lower Upper
59 100
57 0.7 8.3 12.5#

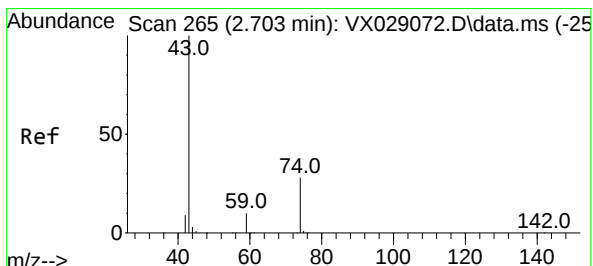
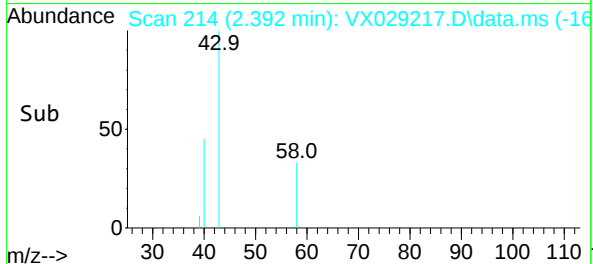
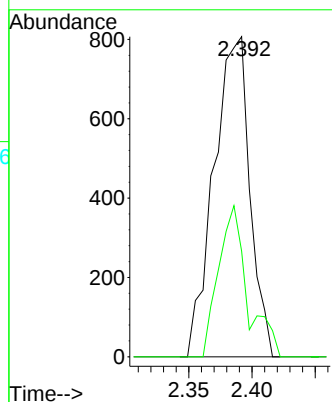
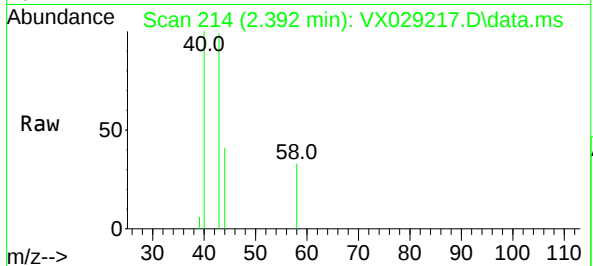




#16
Acetone
Concen: 1.137 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

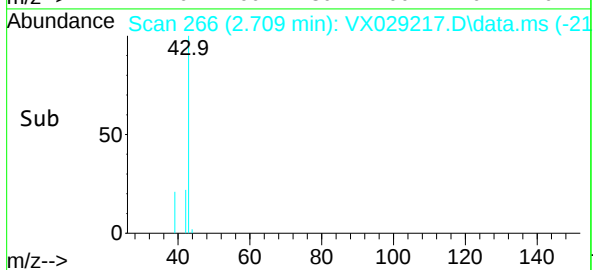
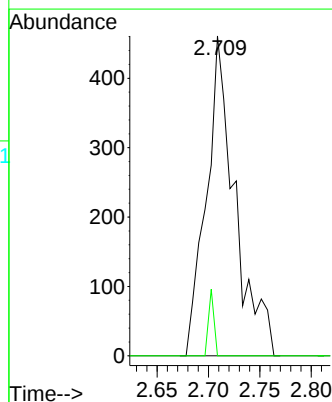
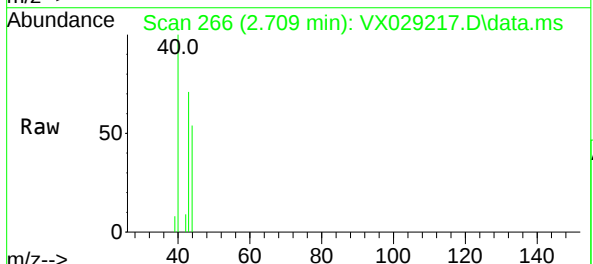
Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

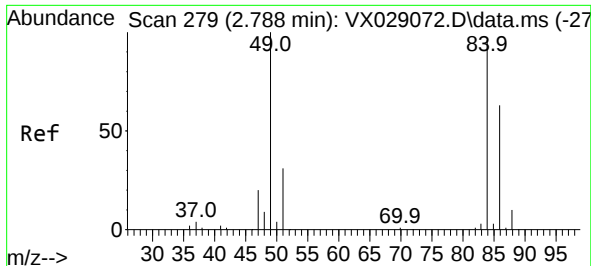
Tgt Ion: 43 Resp: 1594
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.246 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 43 Resp: 893
Ion Ratio Lower Upper
43 100
74 3.9 22.8 34.2#



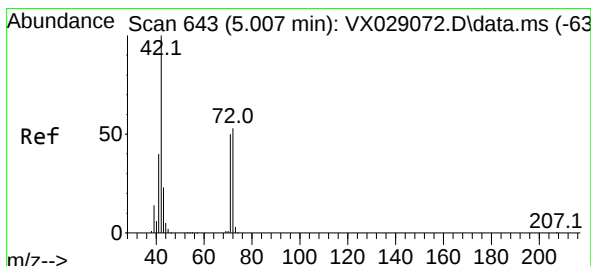
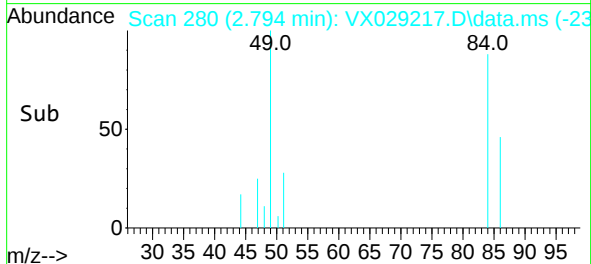
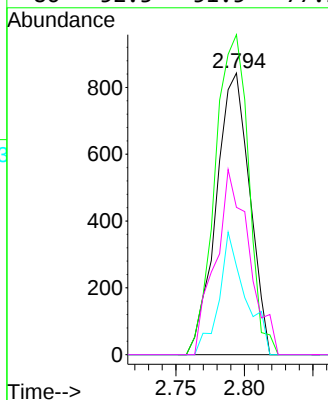
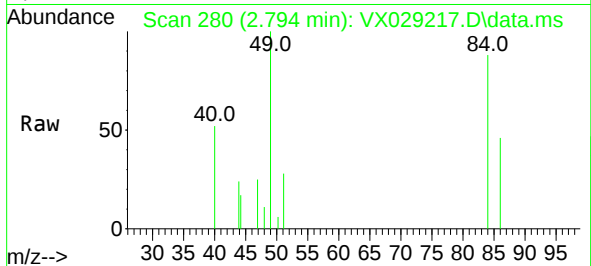


#20
Methylene Chloride
Concen: 0.439 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

Tgt Ion: 84 Resp: 1434

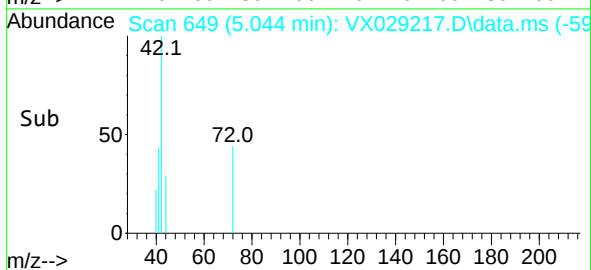
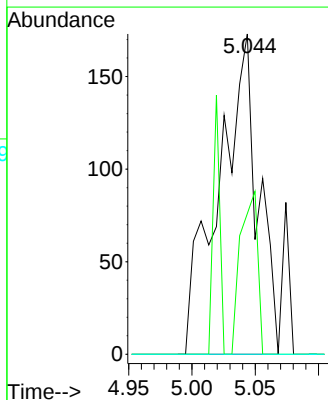
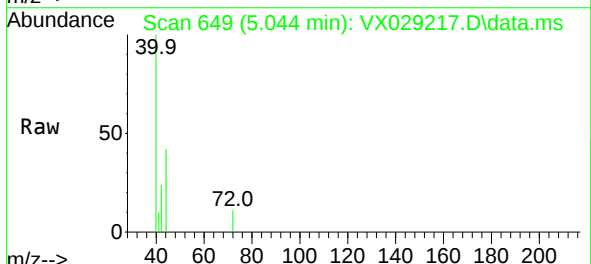
Ion	Ratio	Lower	Upper
84	100		
49	113.6	85.5	128.3
51	31.4	26.6	39.8
86	52.3	51.5	77.3

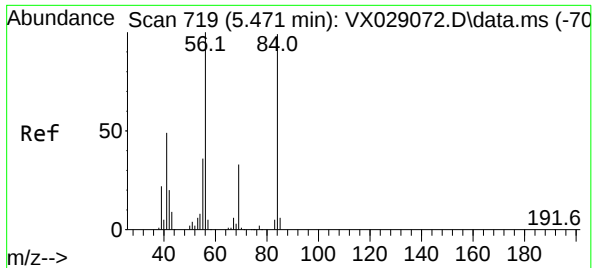


#29
Tetrahydrofuran
Concen: 0.258 ug/l
RT: 5.044 min Scan# 649
Delta R.T. 0.037 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 42 Resp: 374

Ion	Ratio	Lower	Upper
42	100		
72	22.2	44.1	66.1#
71	0.0	40.5	60.7#

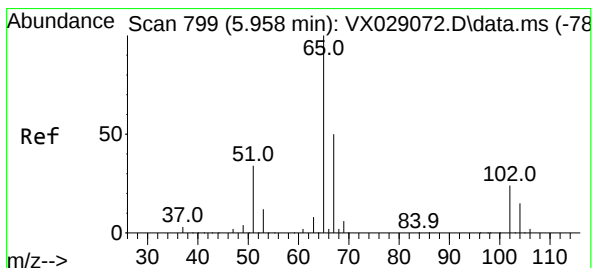
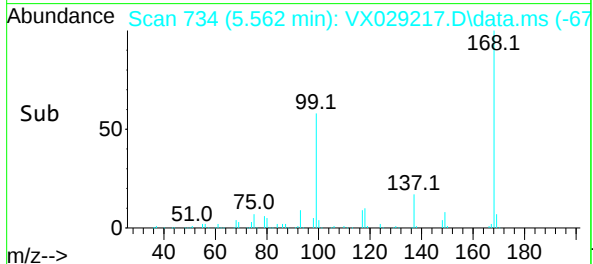
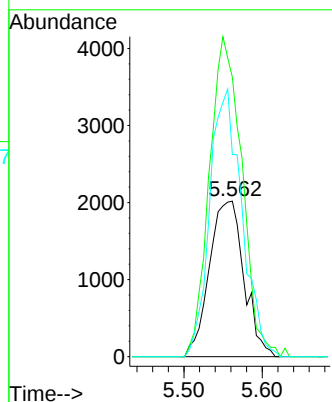
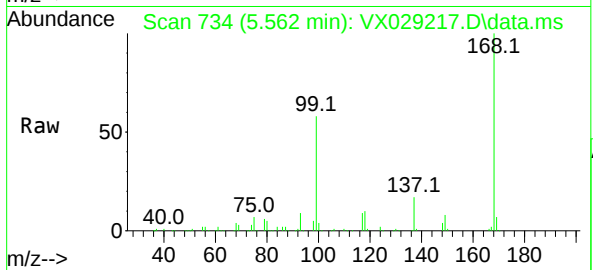




#31
Cyclohexane
Concen: 1.341 ug/l
RT: 5.562 min Scan# 719
Delta R.T. 0.091 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

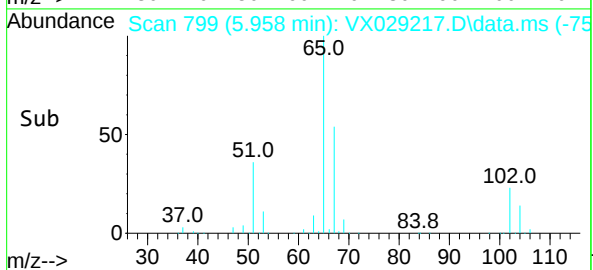
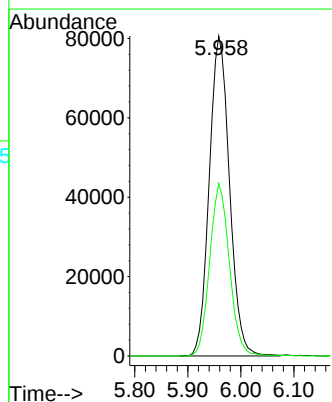
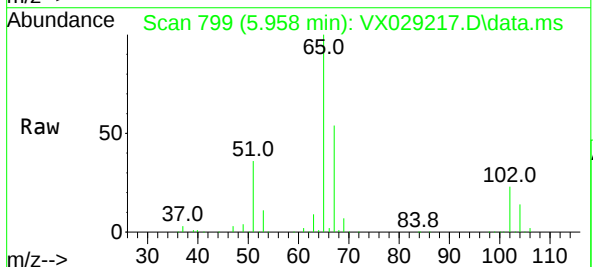
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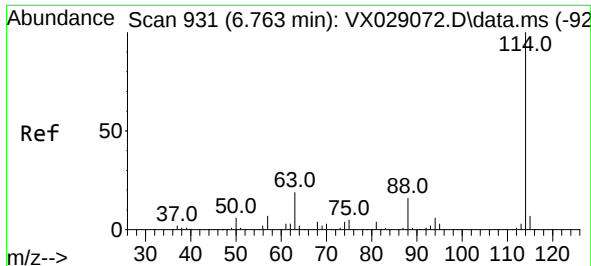
Tgt Ion: 56 Resp: 6205
Ion Ratio Lower Upper
56 100
69 179.7 26.7 40.1#
84 130.0 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 60.104 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 65 Resp: 213938
Ion Ratio Lower Upper
65 100
67 52.3 0.0 107.4

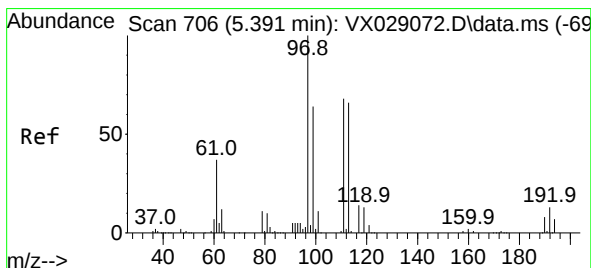
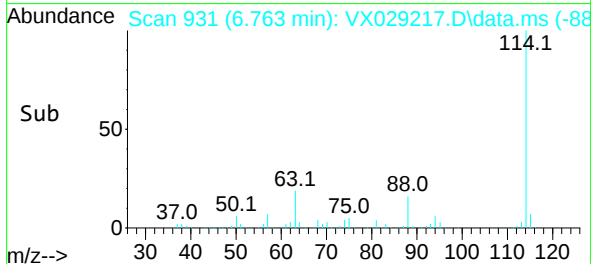
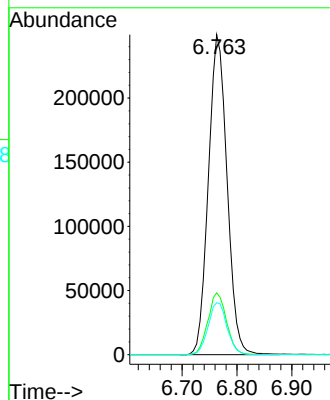
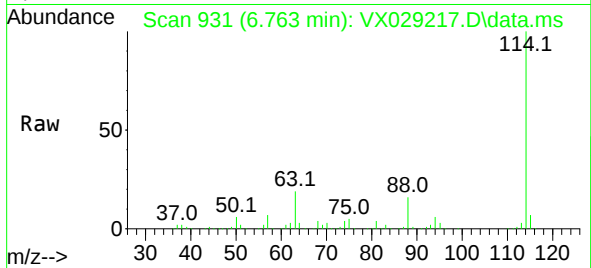




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

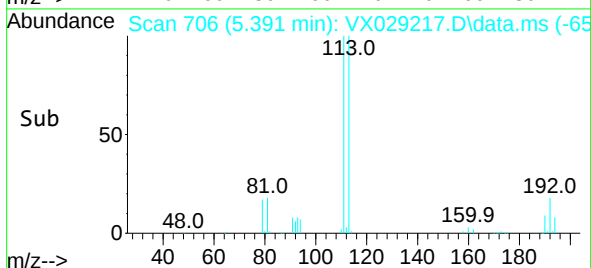
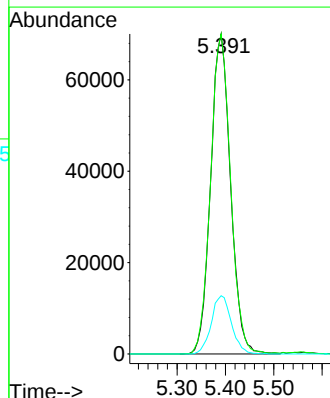
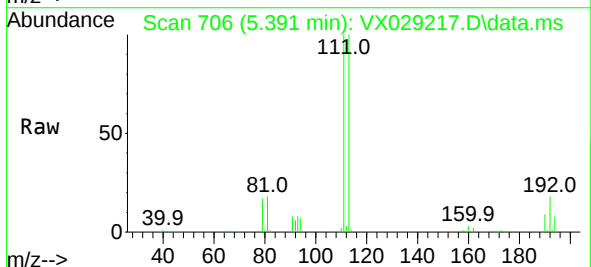
Instrument :
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66BR-20220531

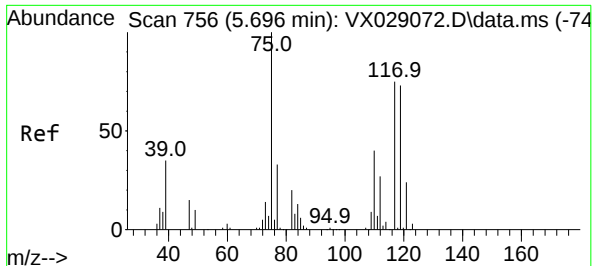
Tgt Ion:114 Resp: 588618
Ion Ratio Lower Upper
114 100
63 19.3 0.0 36.8
88 16.2 0.0 32.4



#35
Dibromofluoromethane
Concen: 51.164 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion:113 Resp: 200039
Ion Ratio Lower Upper
113 100
111 100.7 82.8 124.2
192 18.4 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.866 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX029217.D

Acq: 04 Jun 2022 02:07

Instrument :

MSVOA_X

ClientSampleId :

66BR-20220531

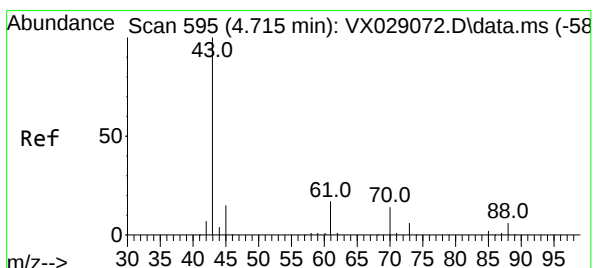
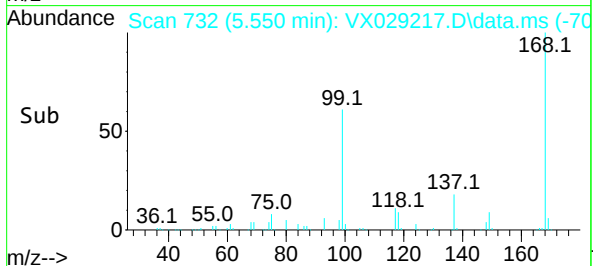
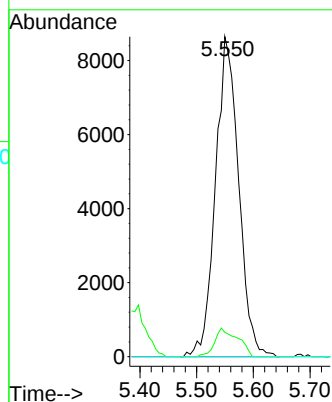
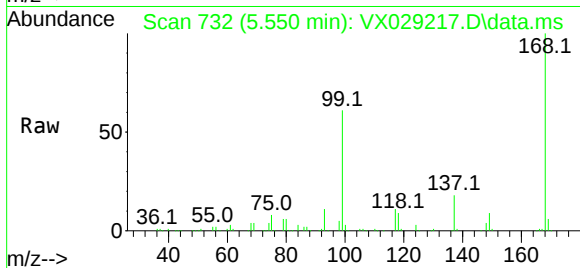
Tgt Ion: 75 Resp: 24480

Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.412 ug/l

RT: 4.727 min Scan# 597

Delta R.T. 0.012 min

Lab File: VX029217.D

Acq: 04 Jun 2022 02:07

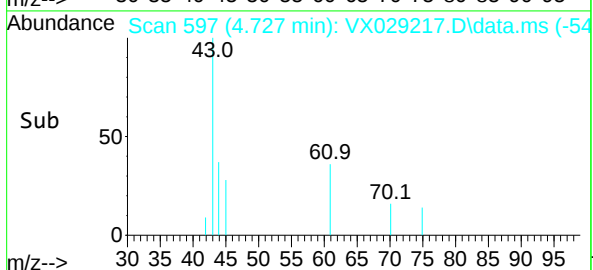
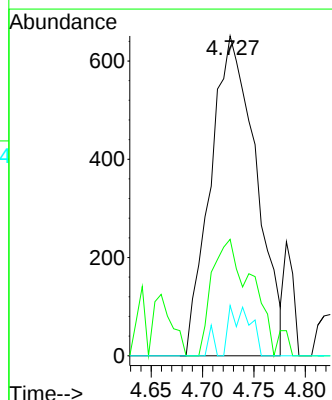
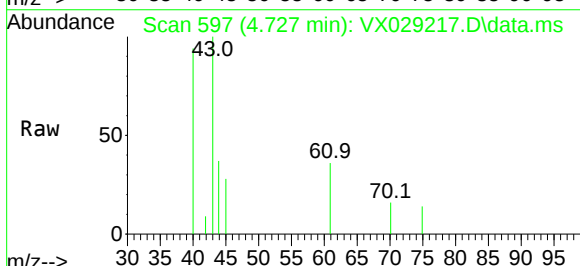
Tgt Ion: 43 Resp: 2008

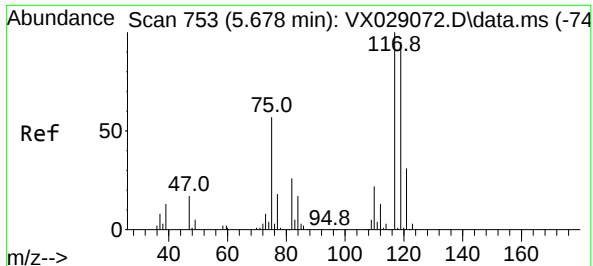
Ion Ratio Lower Upper

43 100

61 31.4 12.6 19.0#

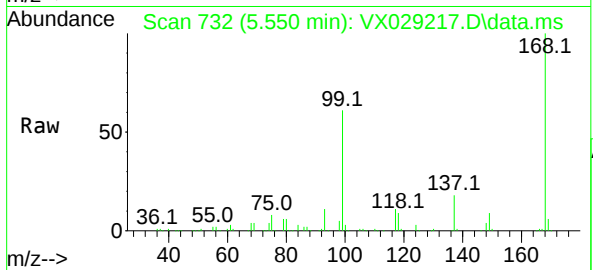
70 7.2 10.2 15.2#



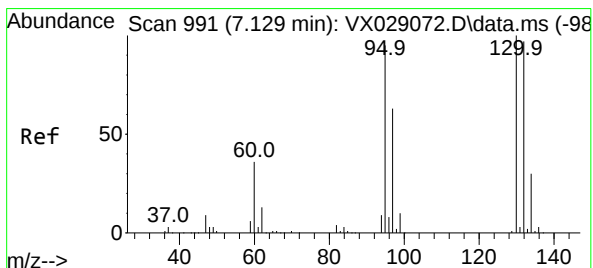
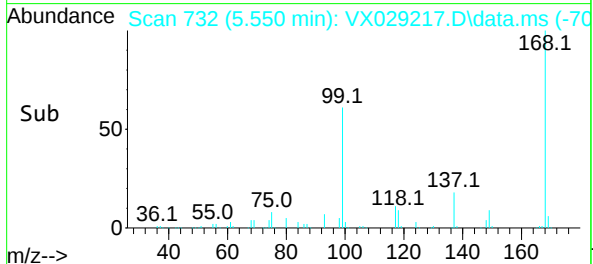
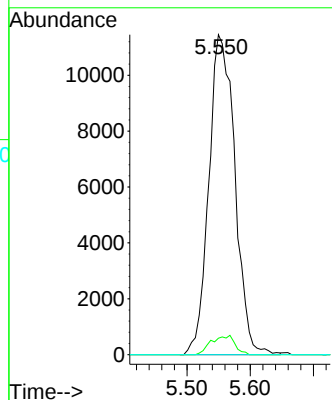


#38
Carbon Tetrachloride
Concen: 5.698 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

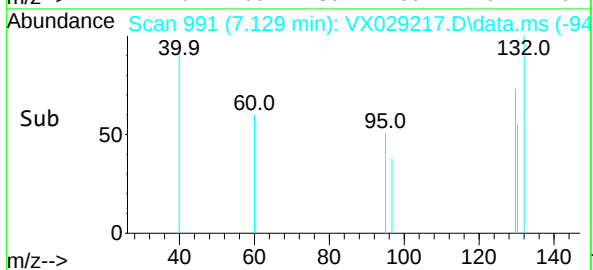
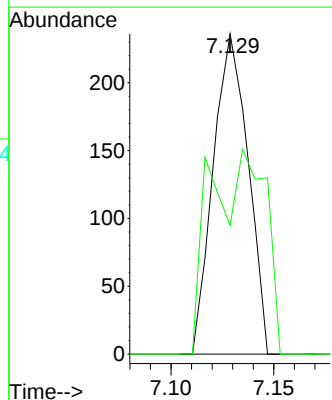
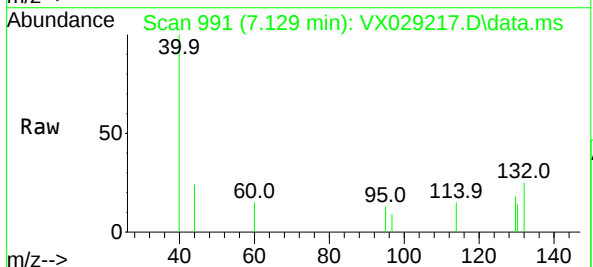


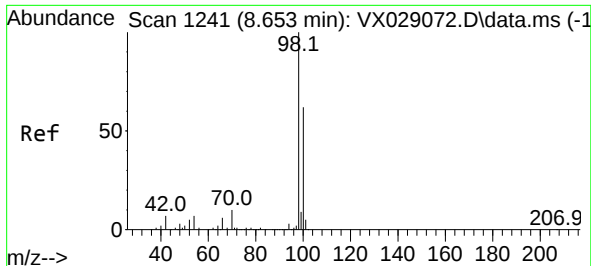
Tgt Ion:117 Resp: 32758
Ion Ratio Lower Upper
117 100
119 5.2 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion:130 Resp: 278
Ion Ratio Lower Upper
130 100
95 40.3 0.0 188.8

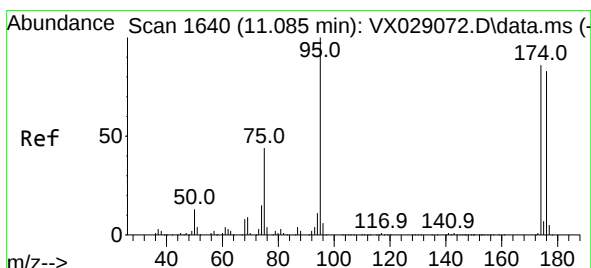
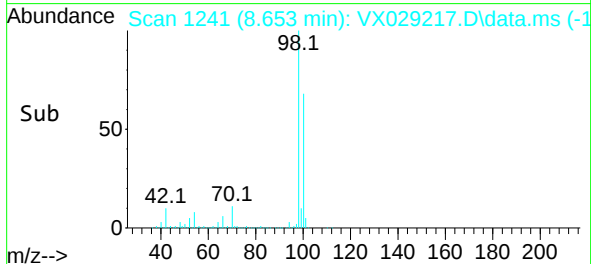
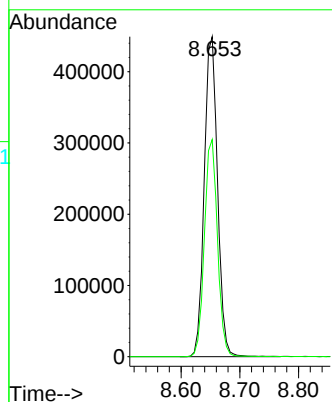
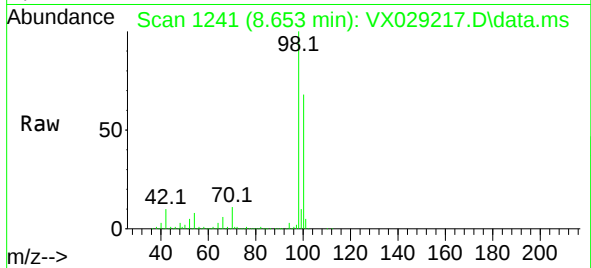




#50
Toluene-d8
Concen: 49.379 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

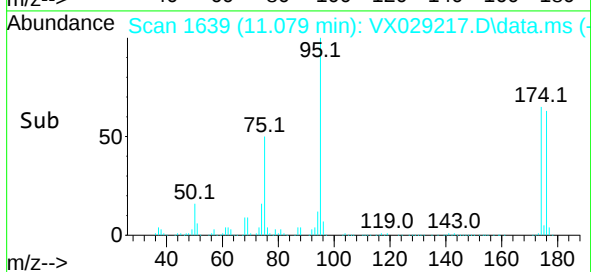
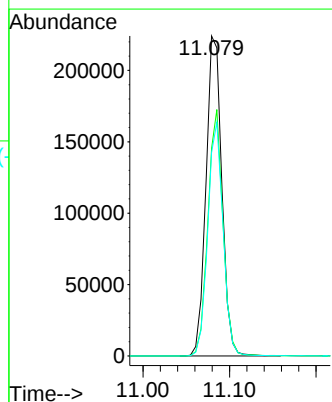
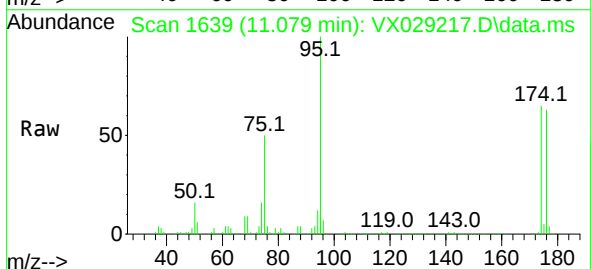
Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

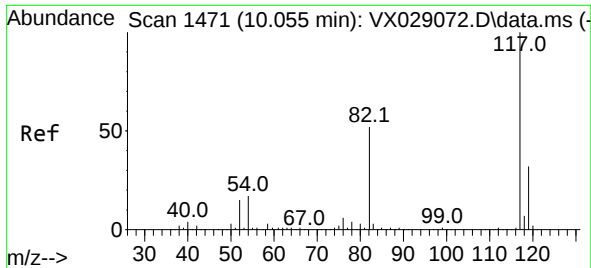
Tgt Ion: 98 Resp: 706093
Ion Ratio Lower Upper
98 100
100 66.9 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 51.622 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 95 Resp: 285342
Ion Ratio Lower Upper
95 100
174 73.2 0.0 163.0
176 70.2 0.0 155.0

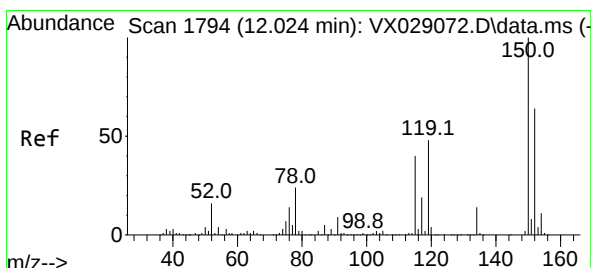
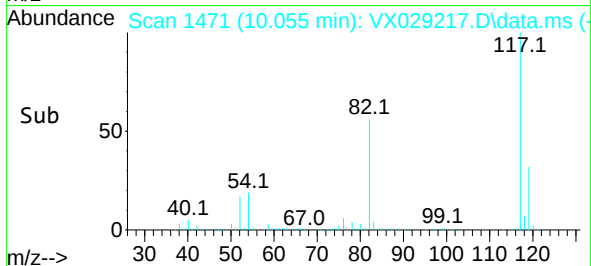
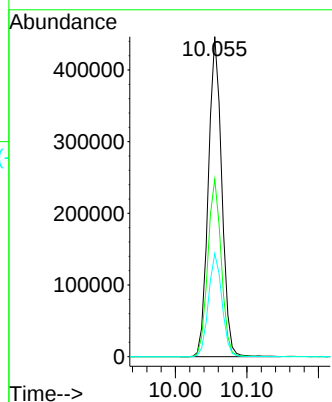
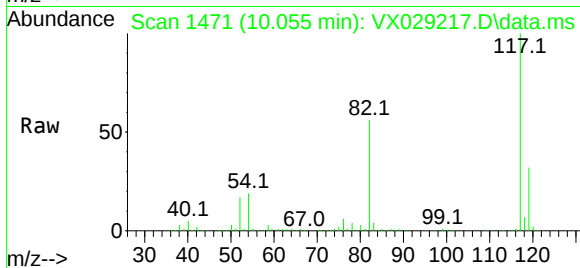




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

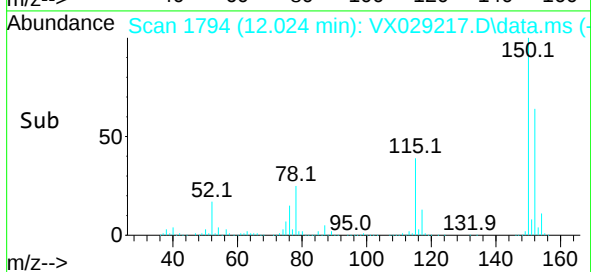
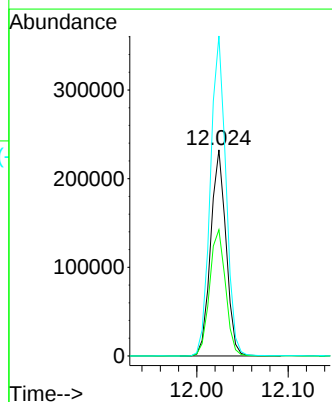
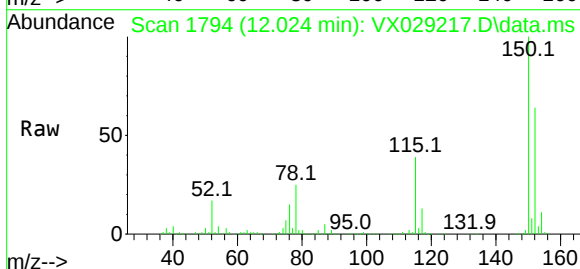
Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

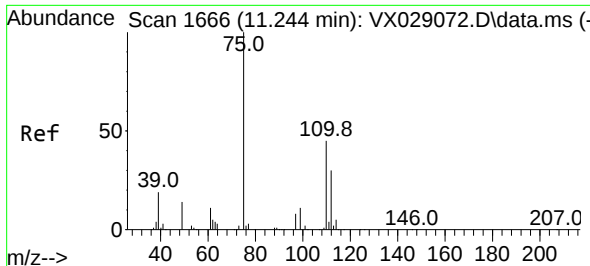
Tgt Ion:117 Resp: 582682
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 32.2 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion:152 Resp: 270703
Ion Ratio Lower Upper
152 100
115 63.7 37.5 112.7
150 157.3 0.0 338.2

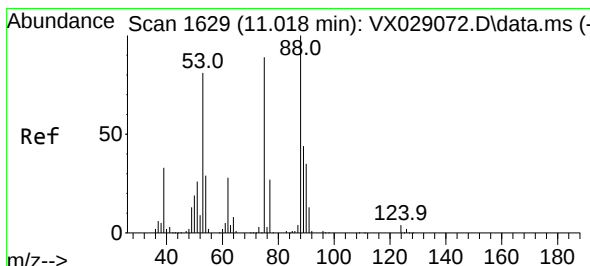
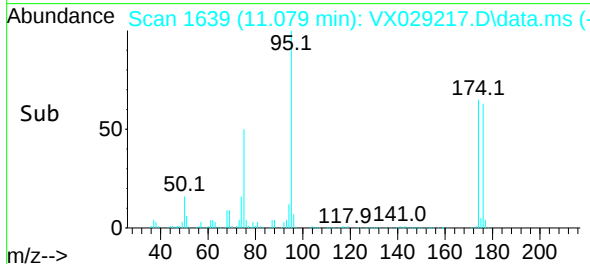
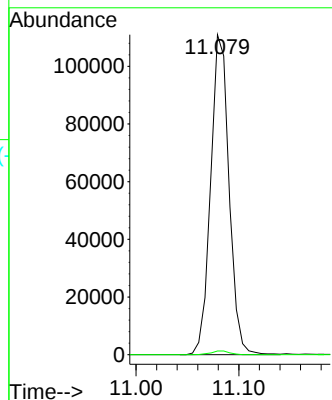
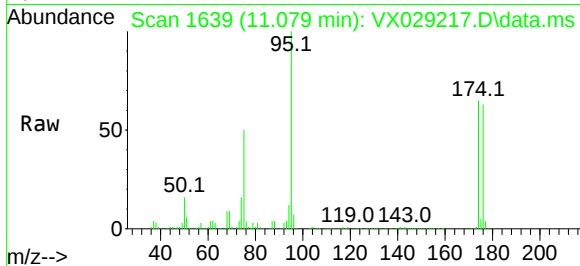




#76
1,2,3-Trichloropropane
Concen: 25.177 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Instrument :
MSVOA_X
ClientSampleId :
66BR-20220531

Tgt Ion: 75 Resp: 138159
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 73.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029217.D
Acq: 04 Jun 2022 02:07

Tgt Ion: 75 Resp: 138159
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

