

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029190.D
 Acq On : 03 Jun 2022 15:16
 Operator : JC/MD
 Sample : N3164-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30BR-20220531

Quant Time: Jun 06 02:35:19 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)

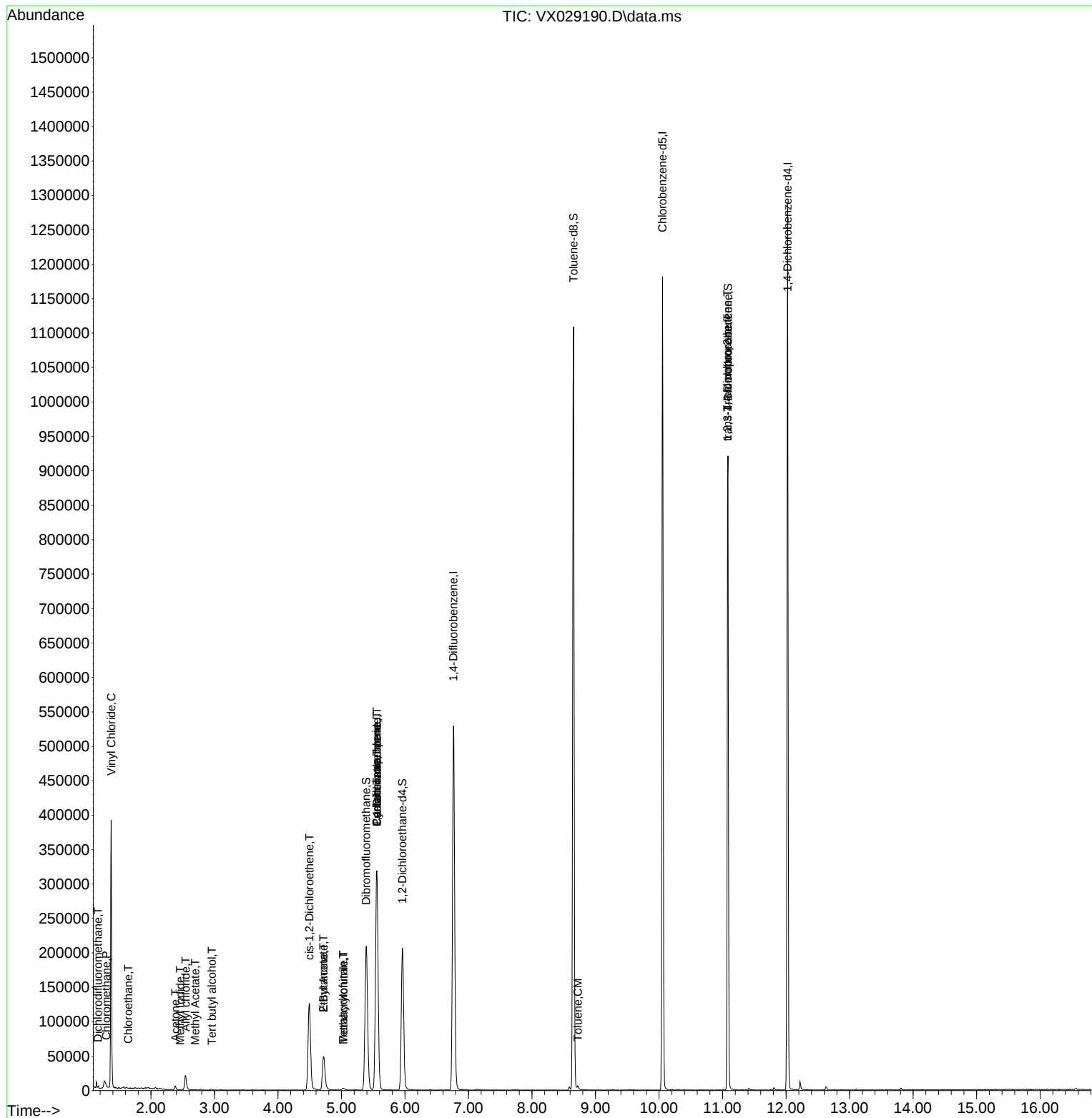
Internal Standards						
1) Pentafluorobenzene	5.556	168	306717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	561597	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	550907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	258929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200088	57.851	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 115.700%	
35) Dibromofluoromethane	5.385	113	188890	50.637	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.280%	
50) Toluene-d8	8.653	98	669904	49.102	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.200%	
62) 4-Bromofluorobenzene	11.085	95	267237	50.673	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 101.340%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	561	0.210	ug/l	71
3) Chloromethane	1.294	50	951	0.341	ug/l	93
4) Vinyl Chloride	1.374	62	239750	78.129	ug/l	98
5) Bromomethane	1.611	94	837	Below Cal	#	47
6) Chloroethane	1.642	64	1425	1.919	ug/l #	65
10) Methyl Iodide	2.459	142	688	4.409	ug/l #	85
11) Tert butyl alcohol	2.959	59	932	1.163	ug/l #	72
14) Allyl chloride	2.544	41	2751	0.663	ug/l #	53
16) Acetone	2.386	43	6231	4.575	ug/l	95
18) Methyl Acetate	2.697	43	982	0.279	ug/l #	70
25) 2-Butanone	4.715	43	84444	38.437	ug/l #	44
27) cis-1,2-Dichloroethene	4.495	96	85138	22.891	ug/l	86
29) Tetrahydrofuran	5.025	42	2200	1.562	ug/l	93
31) Cyclohexane	5.556	56	5780	1.285	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22773	4.745	ug/l #	50
37) Ethyl Acetate	4.715	43	84444	18.153	ug/l	97
38) Carbon Tetrachloride	5.556	117	30891	5.632	ug/l #	16
41) Methacrylonitrile	5.032	41	1390	0.553	ug/l #	27
44) Trichloroethene	7.129	130	576	Below Cal		65
52) Toluene	8.720	92	2165	0.228	ug/l	80
76) 1,2,3-Trichloropropane	11.079	75	127966	24.379	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	127966	71.525	ug/l #	15

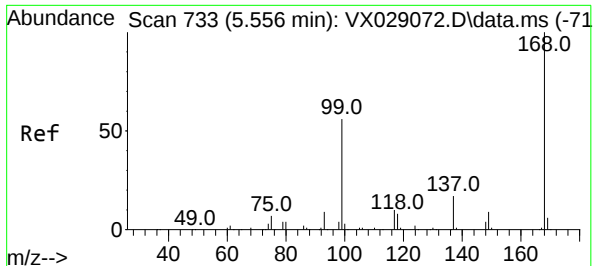
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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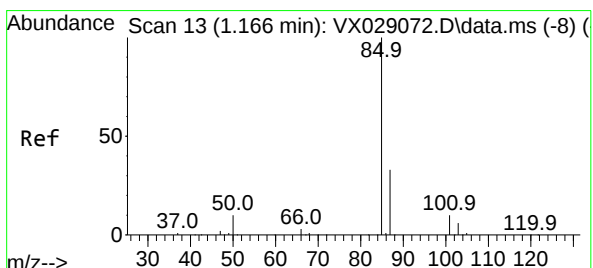
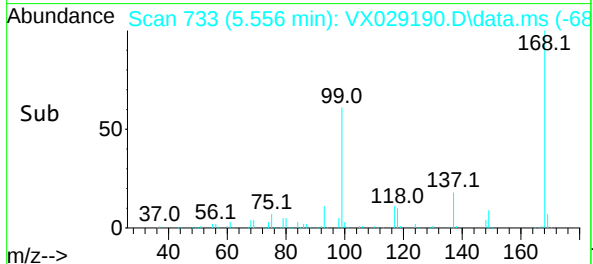
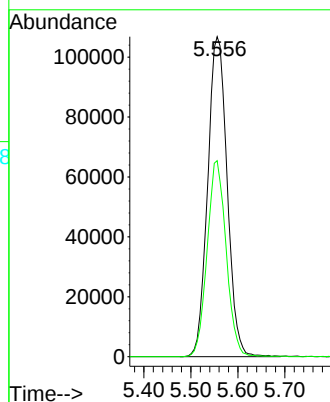
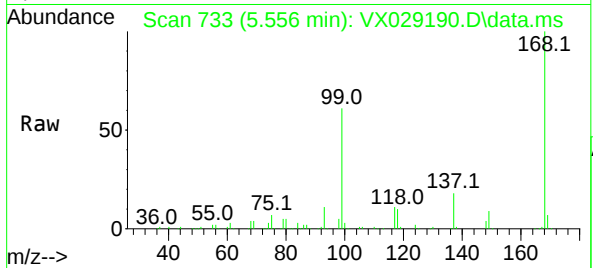




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

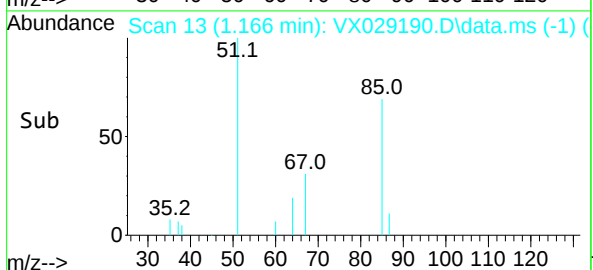
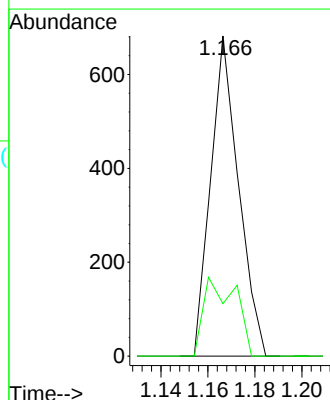
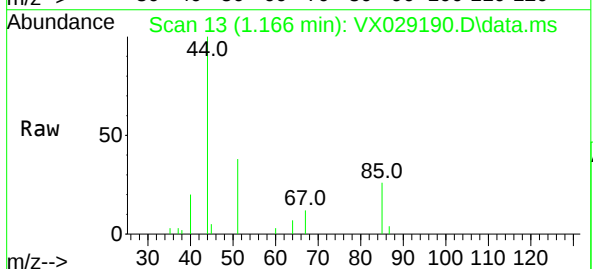
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

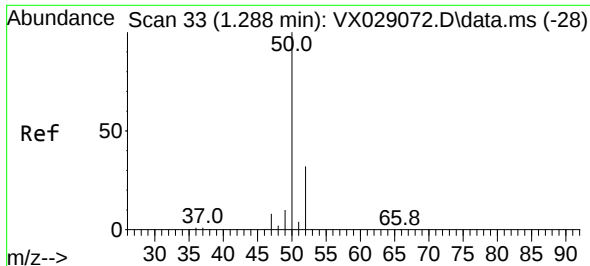
Tgt Ion:168 Resp: 306717
Ion Ratio Lower Upper
168 100
99 61.3 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 0.210 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 85 Resp: 561
Ion Ratio Lower Upper
85 100
87 16.4 16.2 48.6

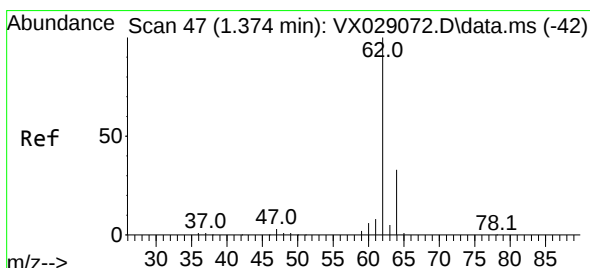
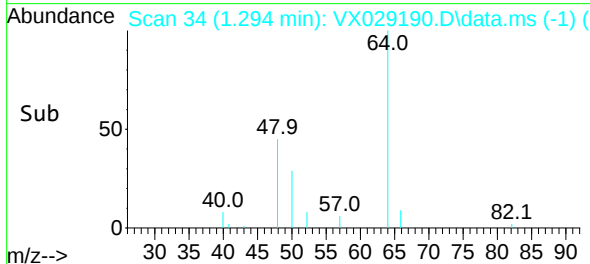
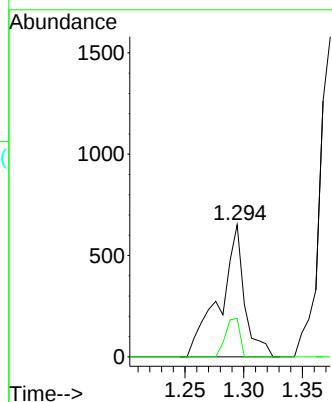
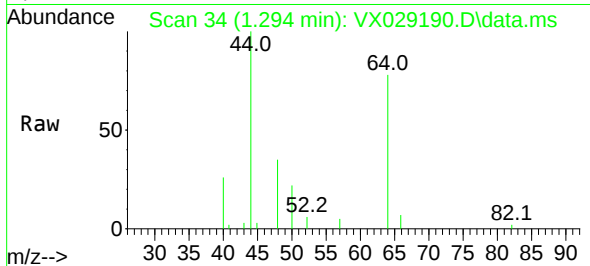




#3
Chloromethane
Concen: 0.341 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

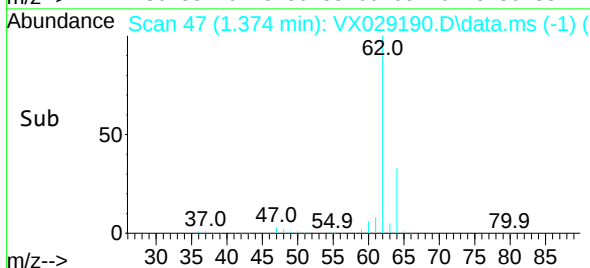
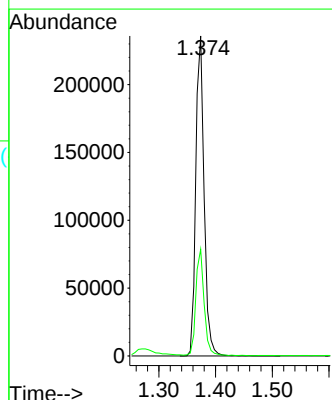
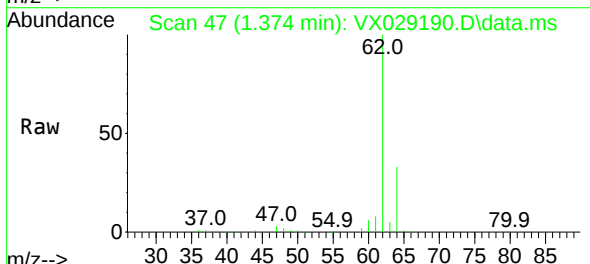
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

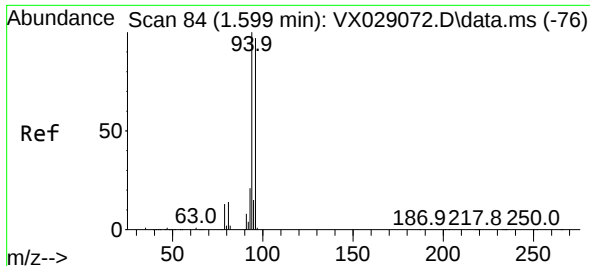
Tgt Ion: 50 Resp: 951
Ion Ratio Lower Upper
50 100
52 29.0 26.4 39.6



#4
Vinyl Chloride
Concen: 78.129 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 62 Resp: 239750
Ion Ratio Lower Upper
62 100
64 33.3 25.5 38.3

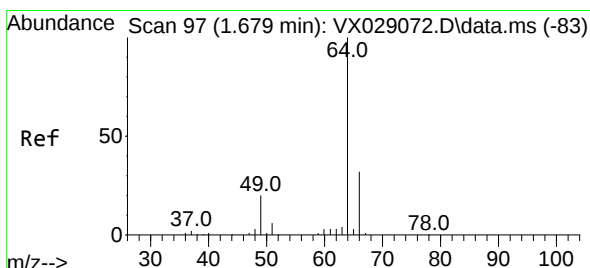
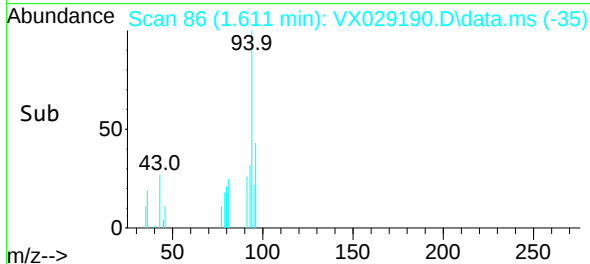
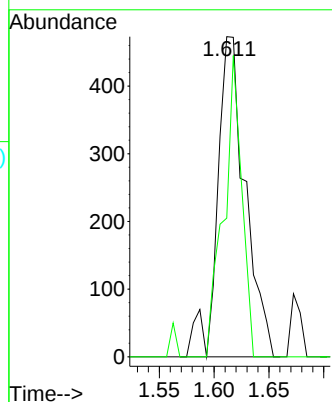
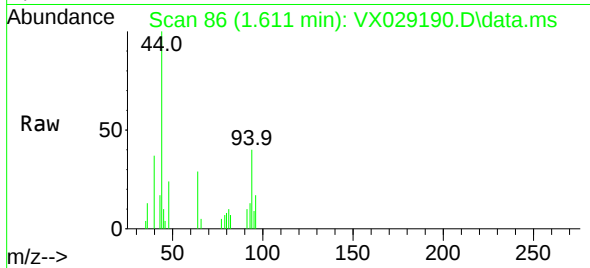




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 80
Delta R.T. 0.012 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

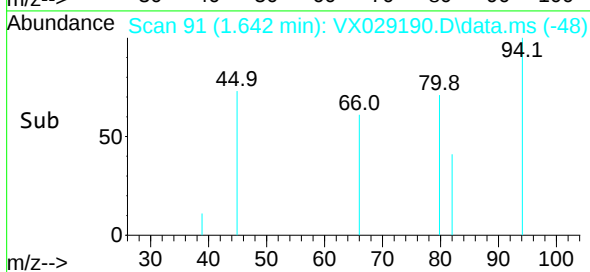
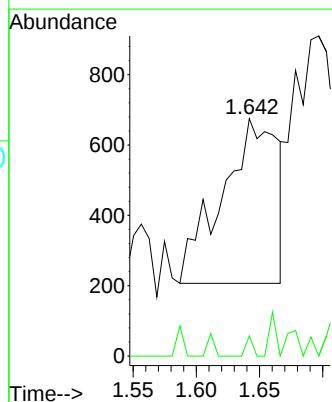
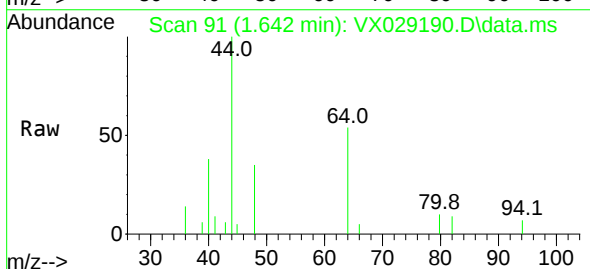
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

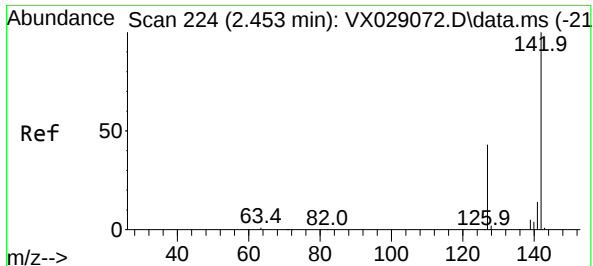
Tgt Ion: 94 Resp: 837
Ion Ratio Lower Upper
94 100
96 43.3 75.3 112.9#



#6
Chloroethane
Concen: 1.919 ug/l
RT: 1.642 min Scan# 91
Delta R.T. -0.037 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

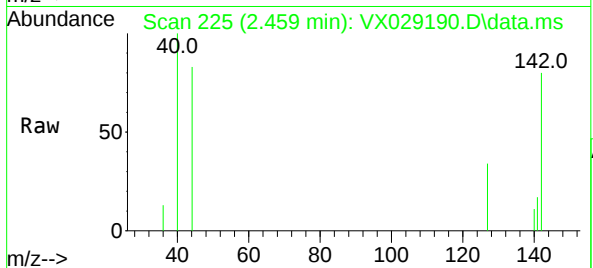
Tgt Ion: 64 Resp: 1425
Ion Ratio Lower Upper
64 100
66 12.2 25.3 37.9#



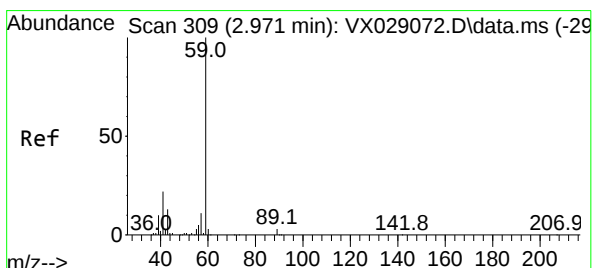
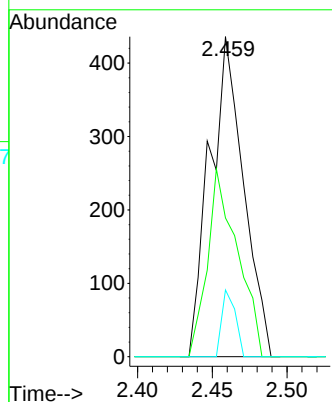
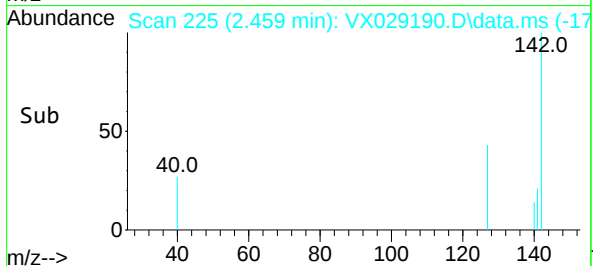


#10
Methyl Iodide
Concen: 4.409 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

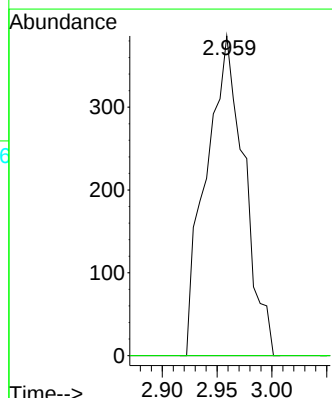
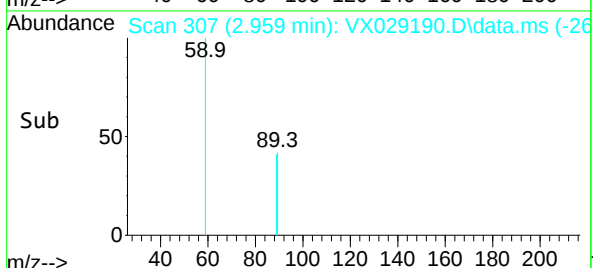
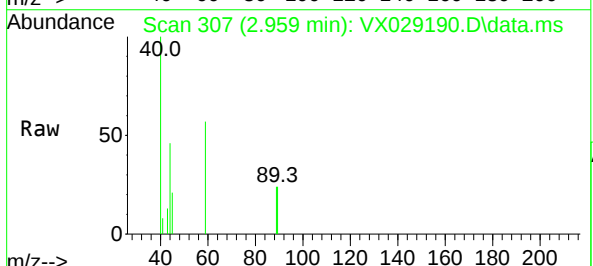


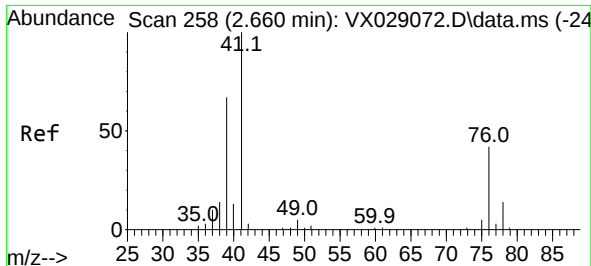
Tgt Ion:142 Resp: 688
Ion Ratio Lower Upper
142 100
127 51.7 33.9 50.9#
141 8.3 11.4 17.2#



#11
Tert butyl alcohol
Concen: 1.163 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 59 Resp: 932
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

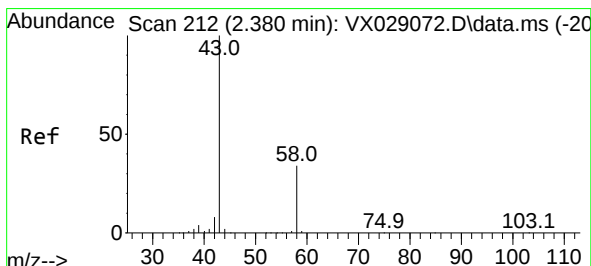
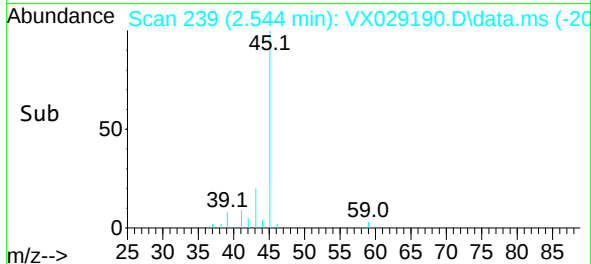
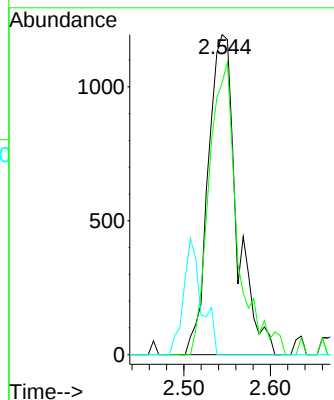
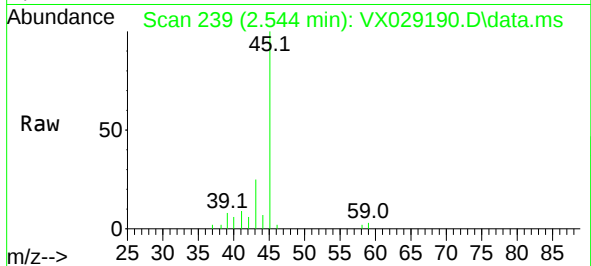




#14
 Allyl chloride
 Concen: 0.663 ug/l
 RT: 2.544 min Scan# 213
 Delta R.T. -0.116 min
 Lab File: VX029190.D
 Acq: 03 Jun 2022 15:16

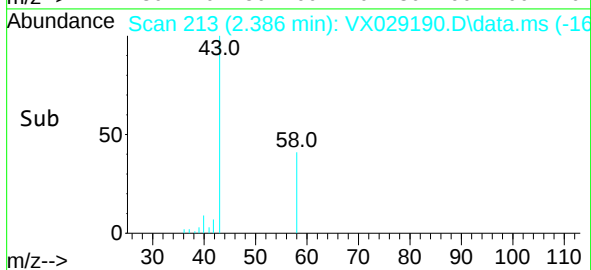
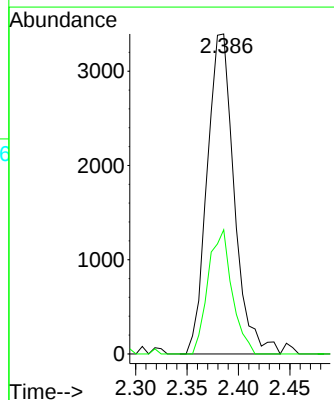
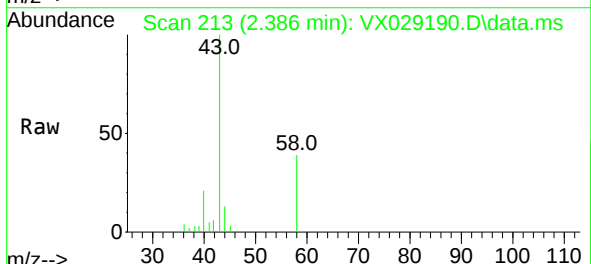
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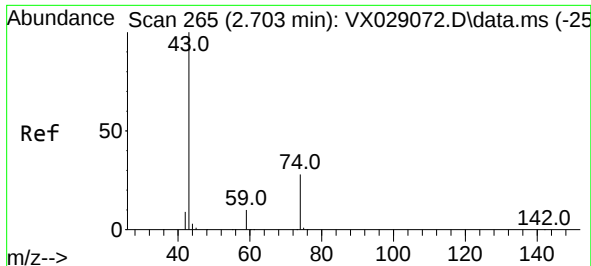
Tgt Ion: 41 Resp: 2751
 Ion Ratio Lower Upper
 41 100
 39 90.4 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 4.575 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX029190.D
 Acq: 03 Jun 2022 15:16

Tgt Ion: 43 Resp: 6231
 Ion Ratio Lower Upper
 43 100
 58 38.8 28.8 43.2

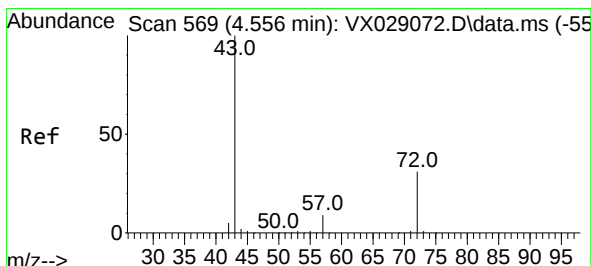
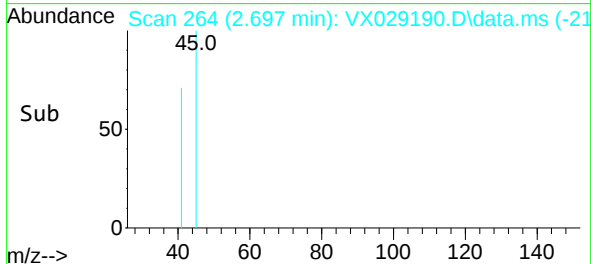
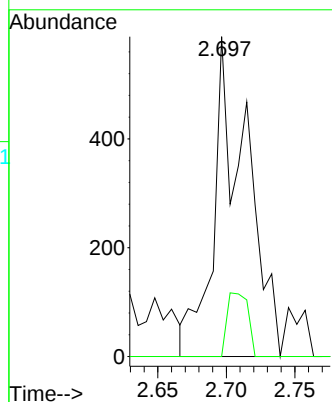
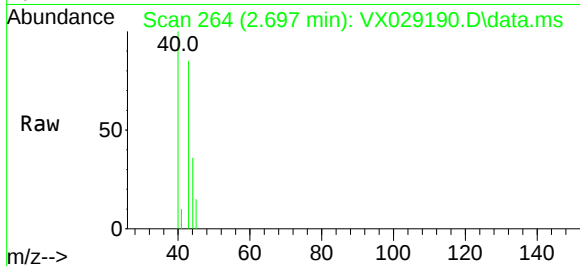




#18
Methyl Acetate
Concen: 0.279 ug/l
RT: 2.697 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

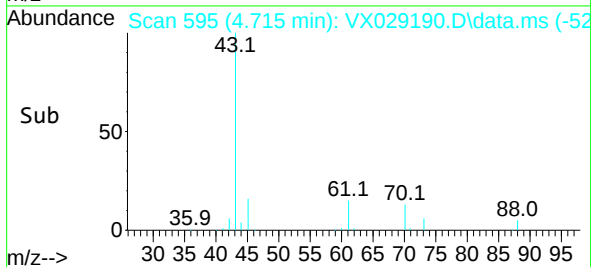
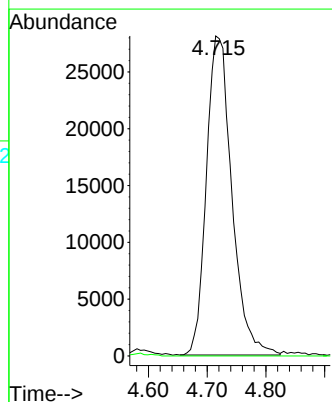
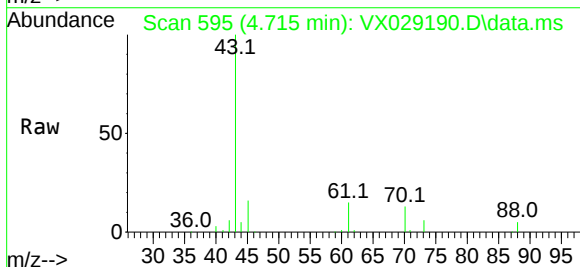
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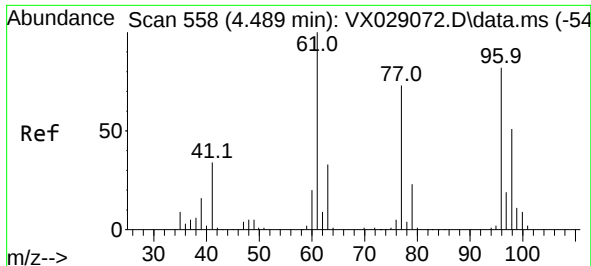
Tgt Ion: 43 Resp: 982
Ion Ratio Lower Upper
43 100
74 12.5 22.8 34.2#



#25
2-Butanone
Concen: 38.437 ug/l
RT: 4.715 min Scan# 595
Delta R.T. 0.159 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 43 Resp: 84444
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#





#27

cis-1,2-Dichloroethene

Concen: 22.891 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX029190.D

Acq: 03 Jun 2022 15:16

Instrument :

MSVOA_X

ClientSampleId :

30BR-20220531

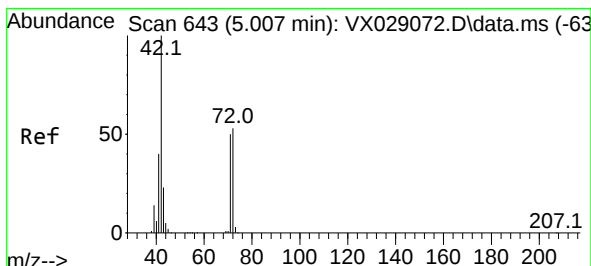
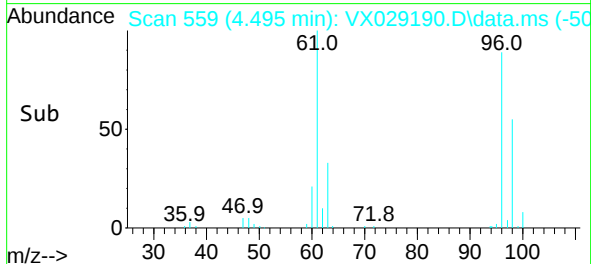
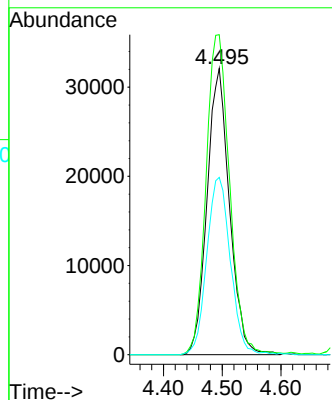
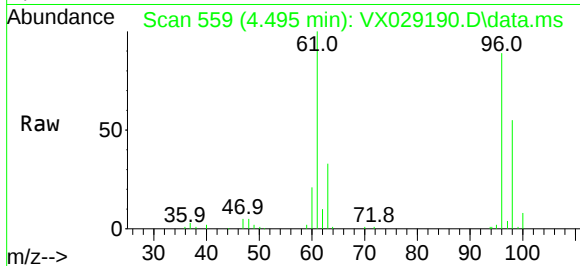
Tgt Ion: 96 Resp: 85138

Ion Ratio Lower Upper

96 100

61 117.5 0.0 283.8

98 65.3 0.0 129.8



#29

Tetrahydrofuran

Concen: 1.562 ug/l

RT: 5.025 min Scan# 646

Delta R.T. 0.018 min

Lab File: VX029190.D

Acq: 03 Jun 2022 15:16

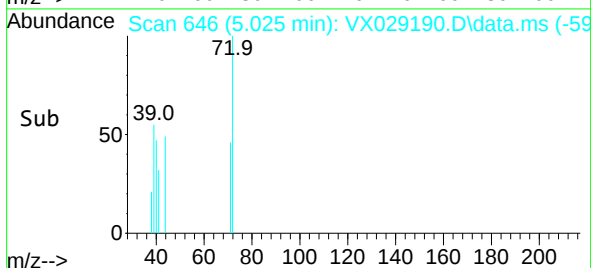
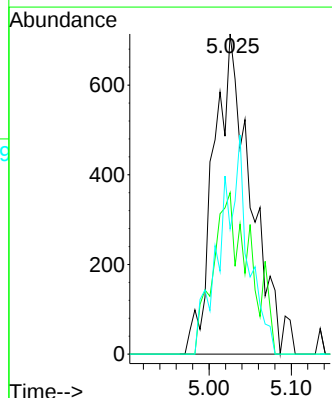
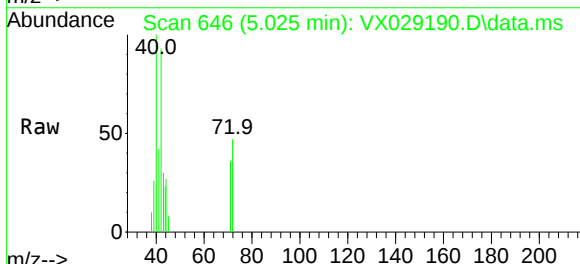
Tgt Ion: 42 Resp: 2200

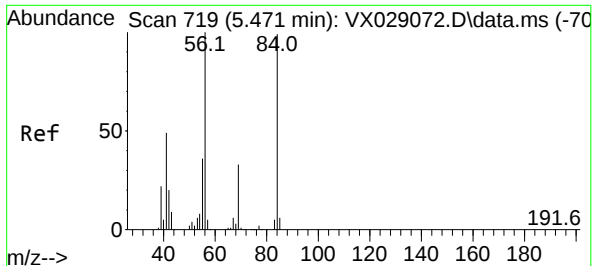
Ion Ratio Lower Upper

42 100

72 46.2 44.1 66.1

71 52.0 40.5 60.7

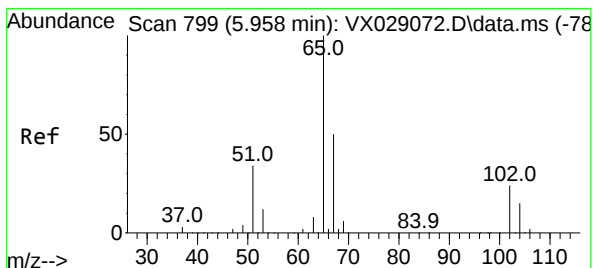
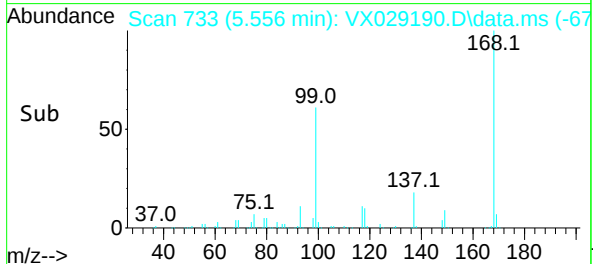
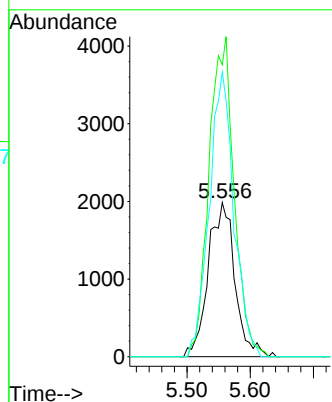
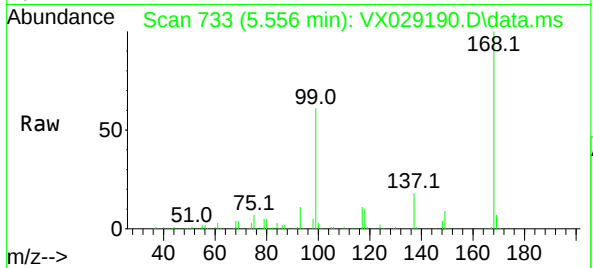




#31
Cyclohexane
Concen: 1.285 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

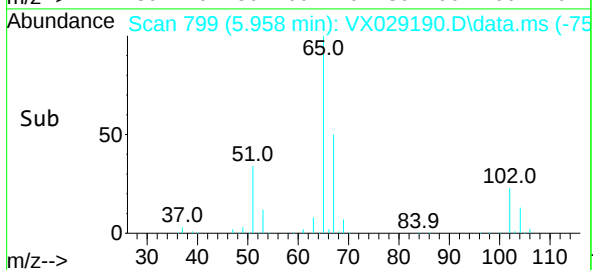
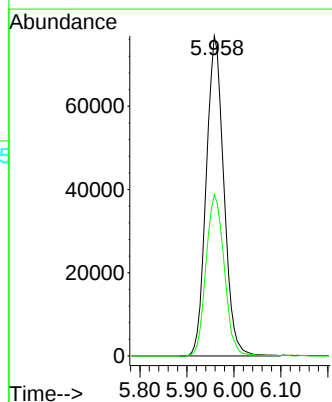
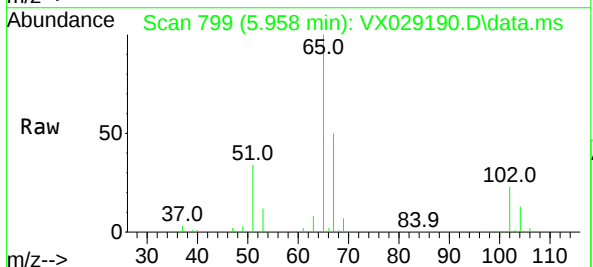
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

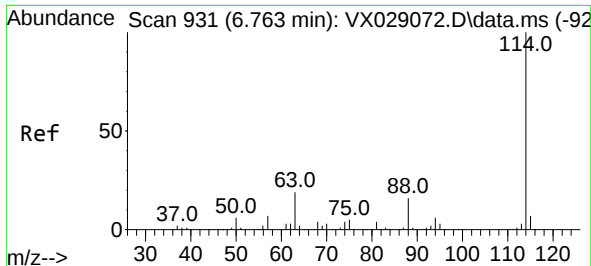
Tgt Ion: 56 Resp: 5780
Ion Ratio Lower Upper
56 100
69 189.5 26.7 40.1#
84 184.7 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 57.851 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 65 Resp: 200088
Ion Ratio Lower Upper
65 100
67 52.1 0.0 107.4

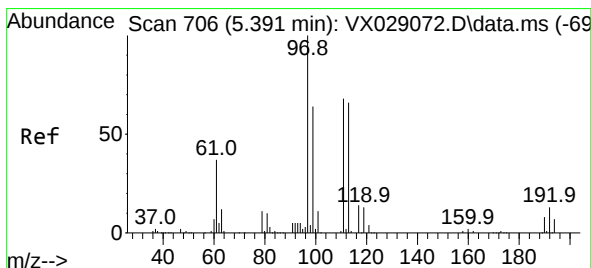
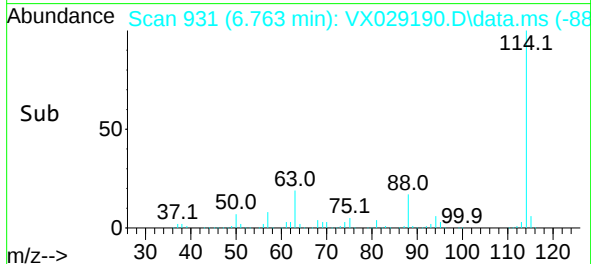
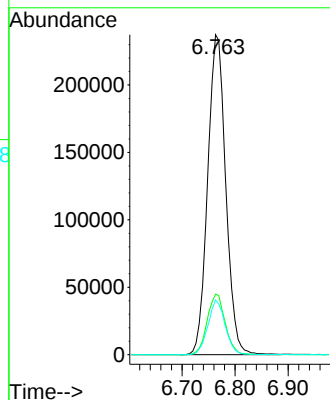
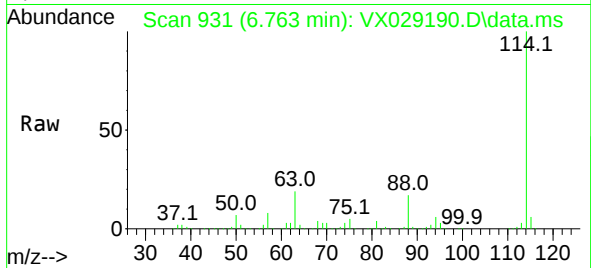




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

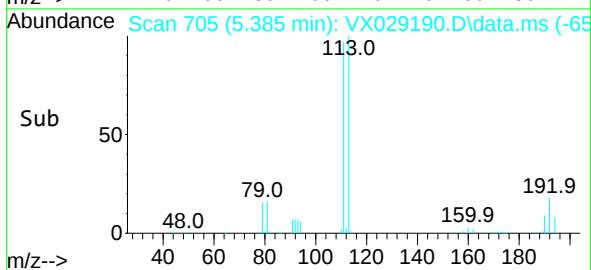
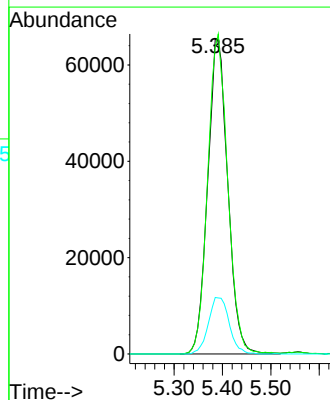
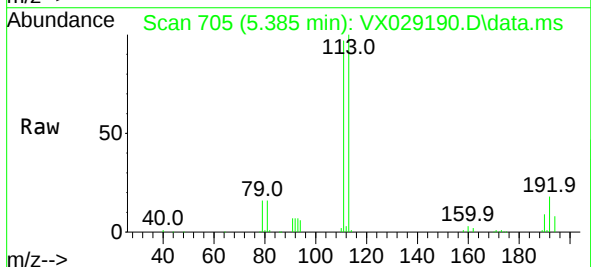
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

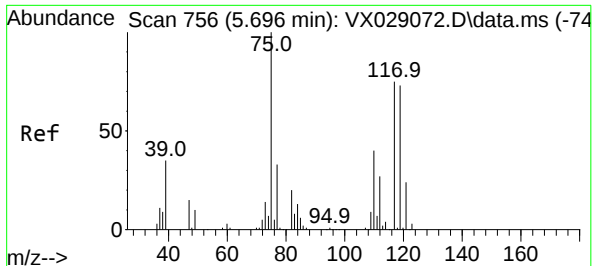
Tgt Ion:114 Resp: 561597
Ion Ratio Lower Upper
114 100
63 18.9 0.0 36.8
88 17.1 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.637 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion:113 Resp: 188890
Ion Ratio Lower Upper
113 100
111 101.2 82.8 124.2
192 18.6 16.9 25.3

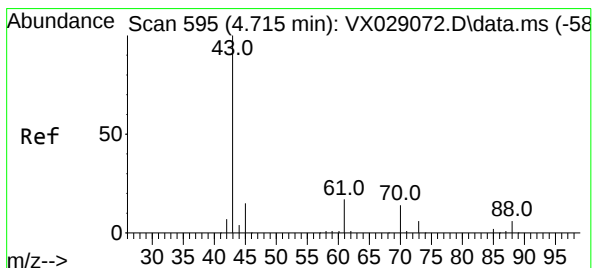
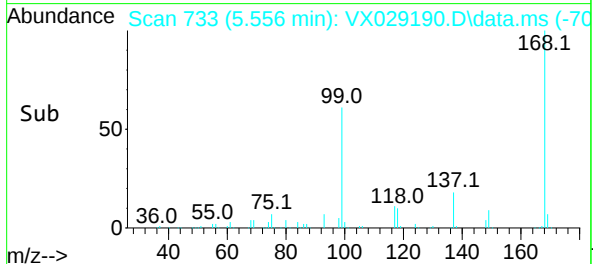
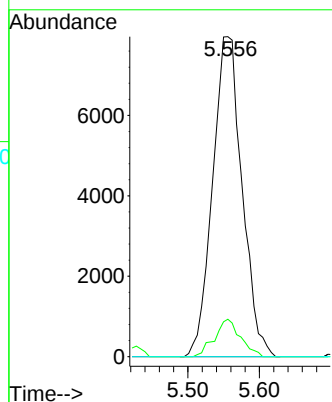
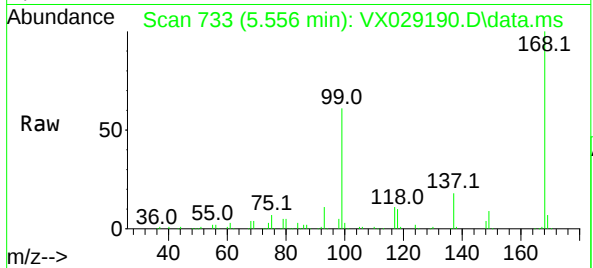




#36
1,1-Dichloropropene
Concen: 4.745 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.140 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

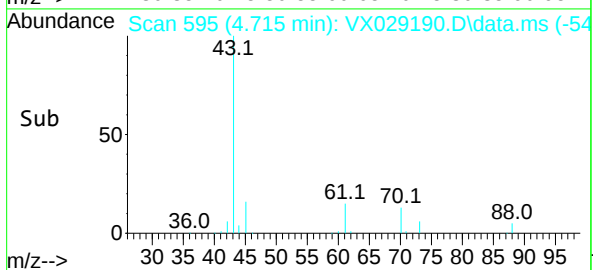
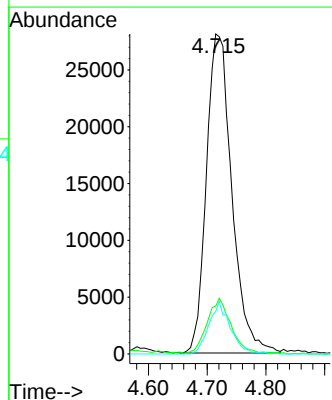
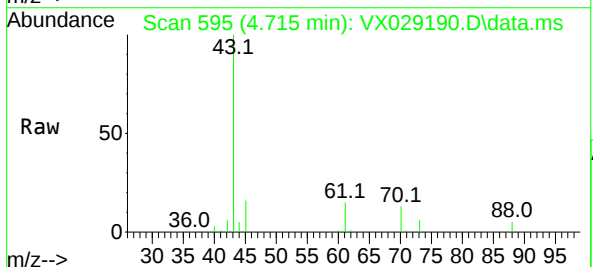
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

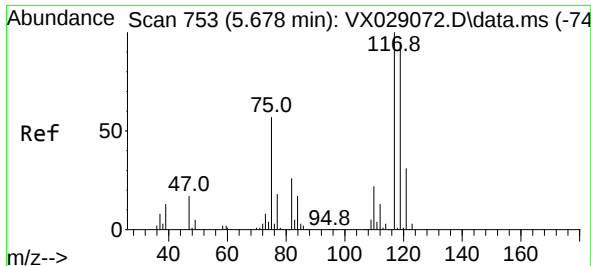
Tgt Ion: 75 Resp: 22773
Ion Ratio Lower Upper
75 100
110 10.2 18.3 54.8#
77 0.0 24.8 37.2#



#37
Ethyl Acetate
Concen: 18.153 ug/l
RT: 4.715 min Scan# 595
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

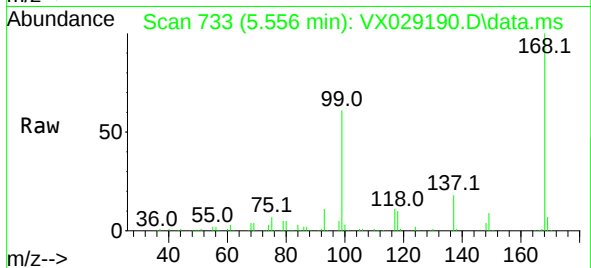
Tgt Ion: 43 Resp: 84444
Ion Ratio Lower Upper
43 100
61 16.8 12.6 19.0
70 13.8 10.2 15.2



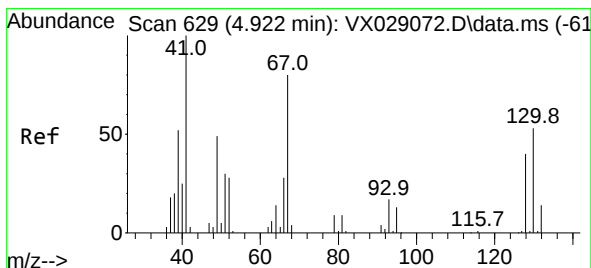
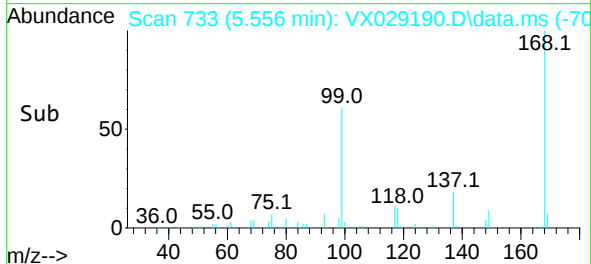
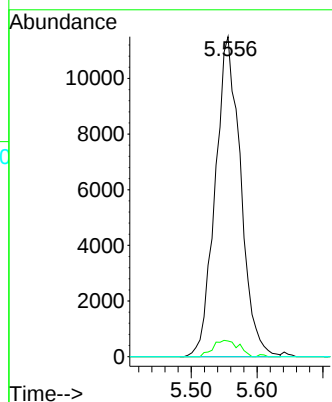


#38
Carbon Tetrachloride
Concen: 5.632 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

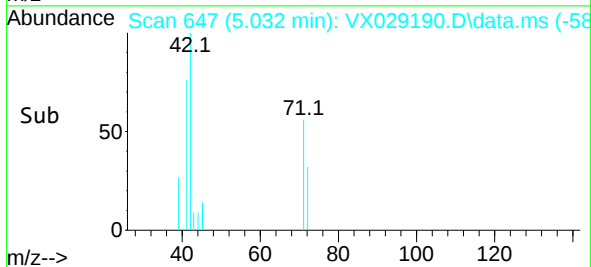
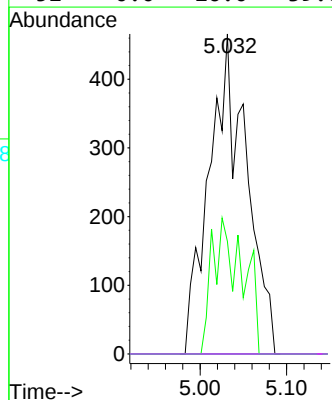
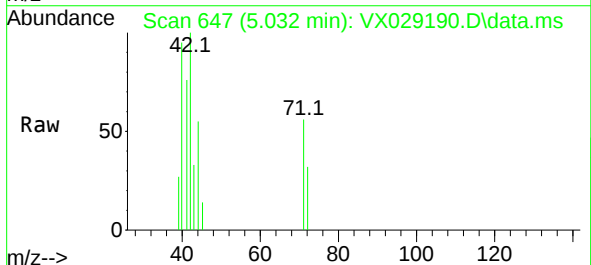


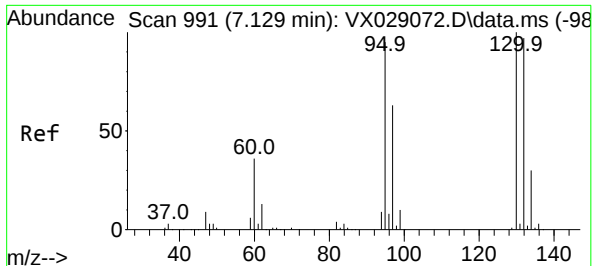
Tgt Ion:117 Resp: 30891
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 0.553 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.110 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 41 Resp: 1390
Ion Ratio Lower Upper
41 100
39 20.8 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#

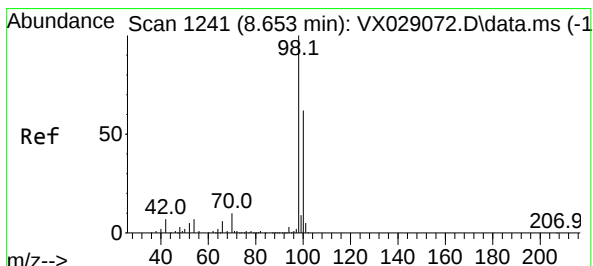
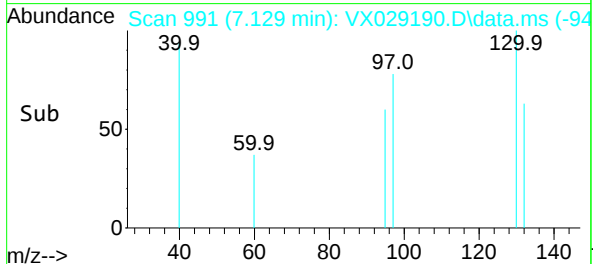
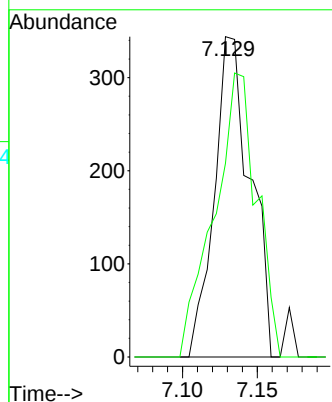
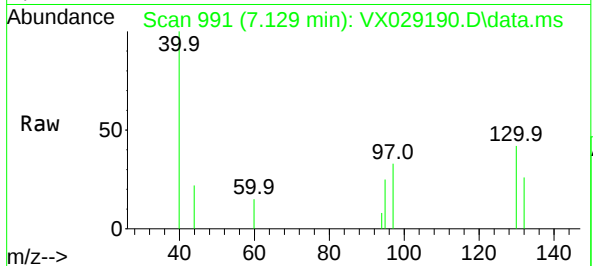




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

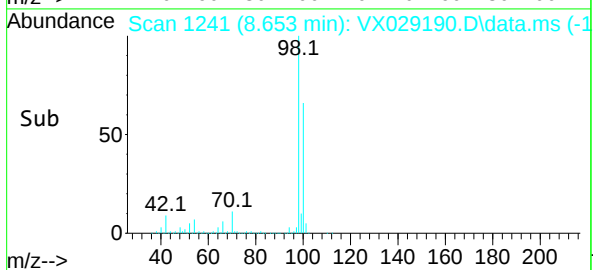
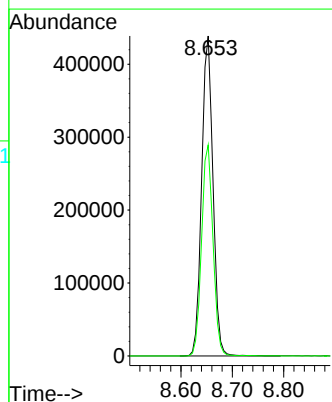
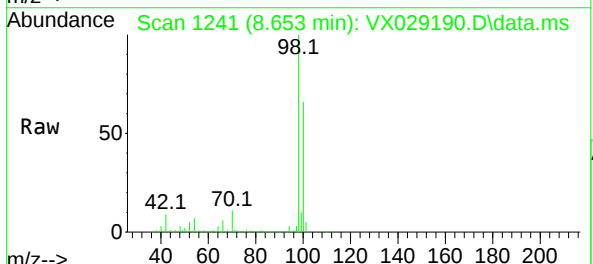
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

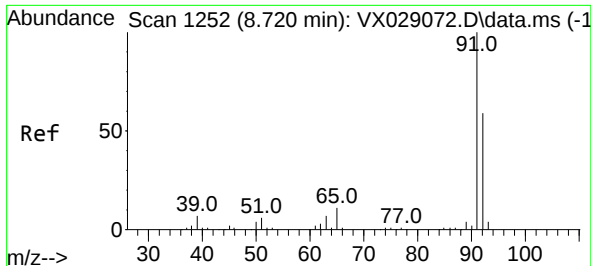
Tgt Ion:130 Resp: 576
Ion Ratio Lower Upper
130 100
95 60.5 0.0 188.8



#50
Toluene-d8
Concen: 49.102 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 98 Resp: 669904
Ion Ratio Lower Upper
98 100
100 66.4 52.6 78.8

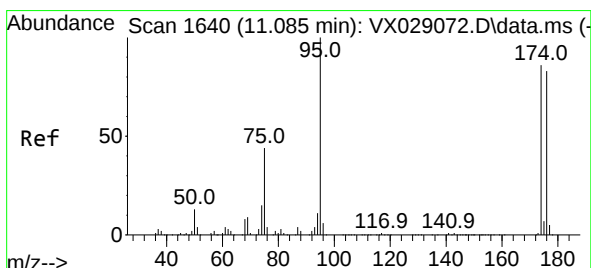
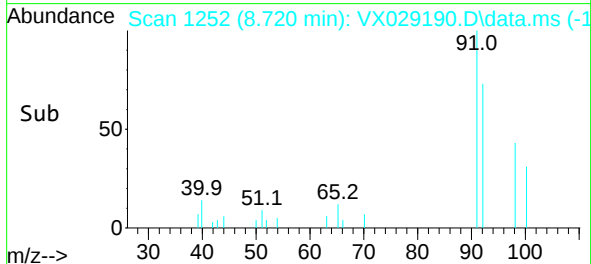
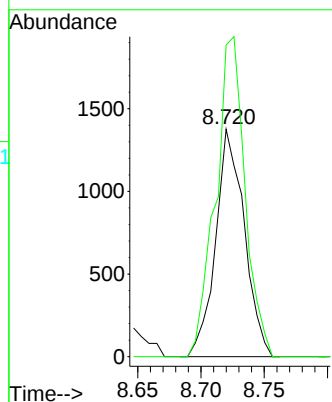
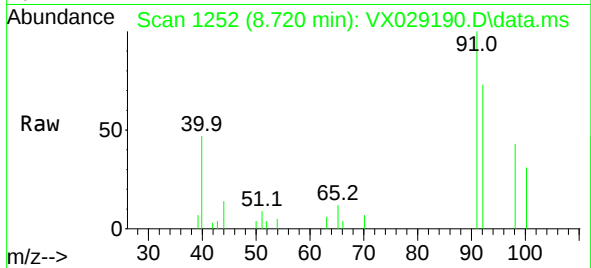




#52
Toluene
Concen: 0.228 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

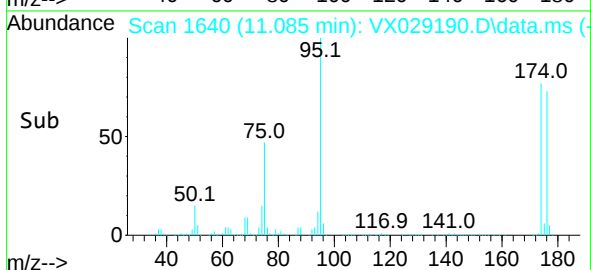
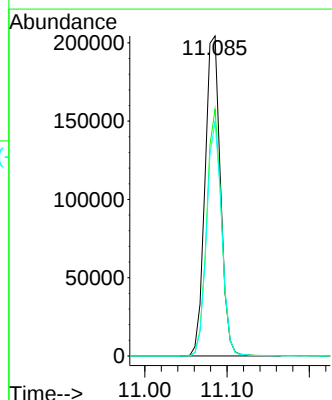
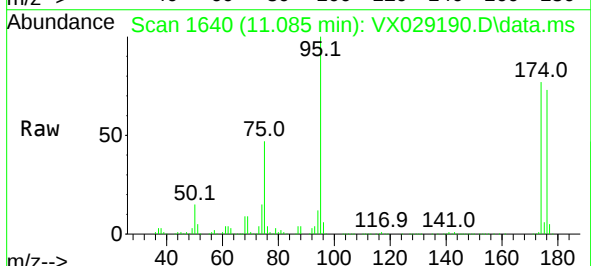
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

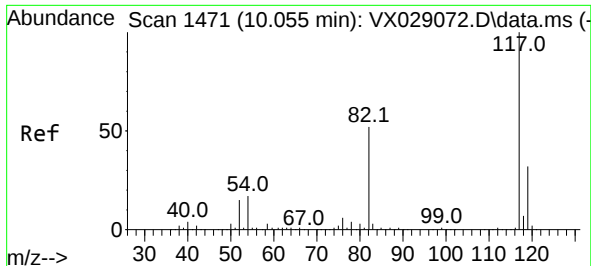
Tgt Ion: 92 Resp: 2165
Ion Ratio Lower Upper
92 100
91 144.7 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 50.673 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 95 Resp: 267237
Ion Ratio Lower Upper
95 100
174 73.8 0.0 163.0
176 71.3 0.0 155.0

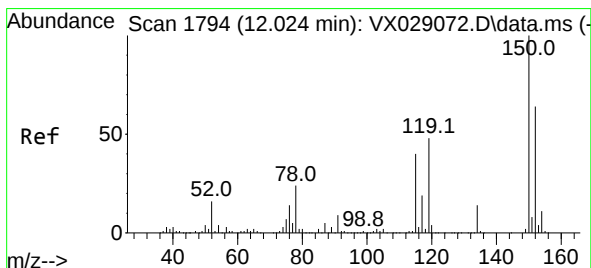
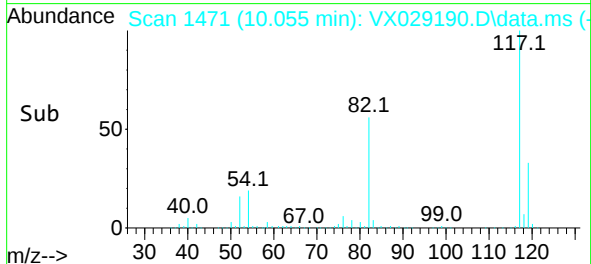
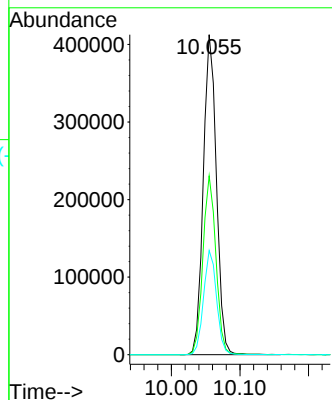
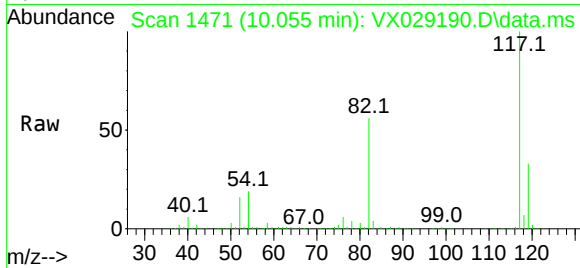




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

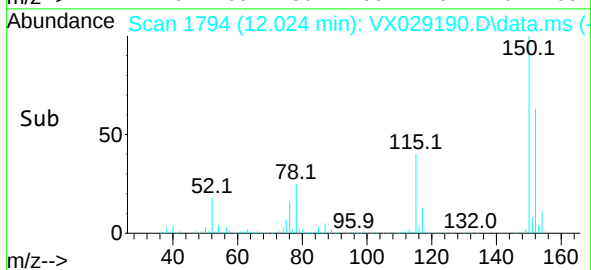
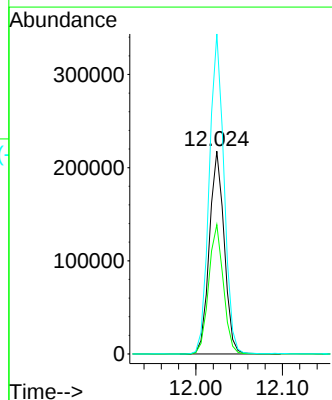
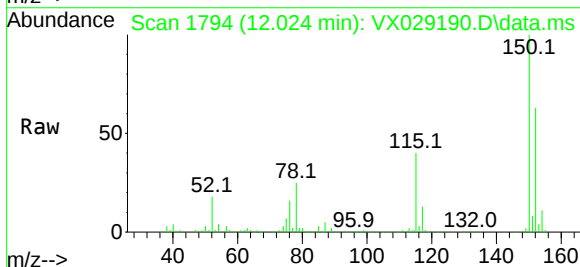
Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

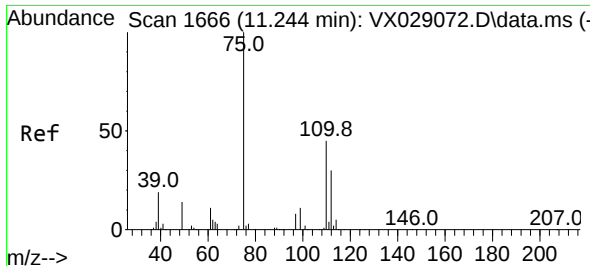
Tgt Ion:117 Resp: 550907
Ion Ratio Lower Upper
117 100
82 55.9 41.8 62.8
119 32.5 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion:152 Resp: 258929
Ion Ratio Lower Upper
152 100
115 62.9 37.5 112.7
150 156.9 0.0 338.2

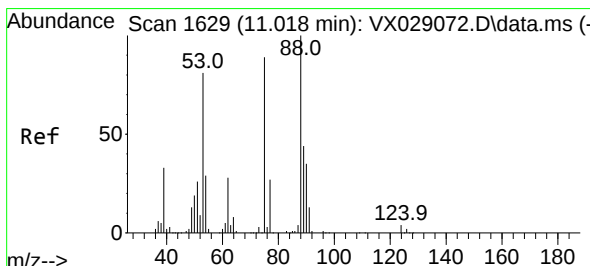
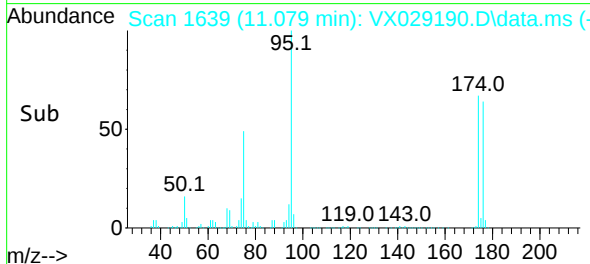
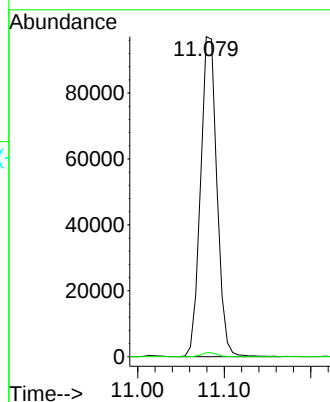
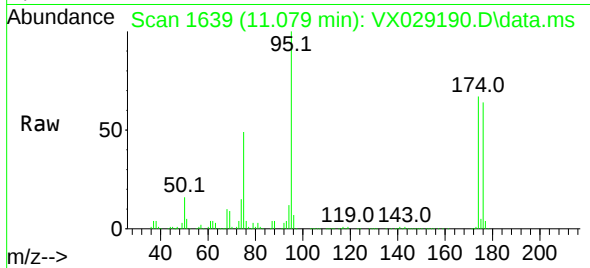




#76
1,2,3-Trichloropropane
Concen: 24.379 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Instrument :
MSVOA_X
ClientSampleId :
30BR-20220531

Tgt Ion: 75 Resp: 127966
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.525 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029190.D
Acq: 03 Jun 2022 15:16

Tgt Ion: 75 Resp: 127966
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

