

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060322\
 Data File : VX029204.D
 Acq On : 03 Jun 2022 20:42
 Operator : JC/MD
 Sample : N3164-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 38BR-20220531

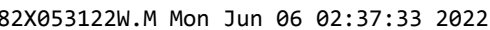
Quant Time: Jun 06 02:37:29 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X053122W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 01 04:45:42 2022
 Response via : Initial Calibration

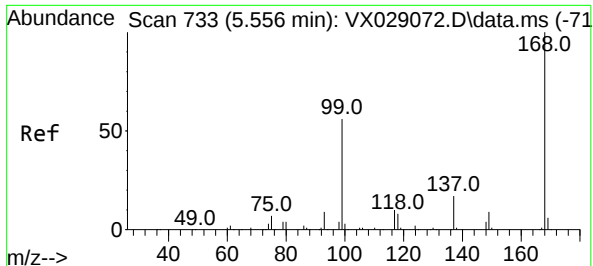
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.556	168	310785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	584048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	572475	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	264273	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	207894	59.321	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	118.640%
35) Dibromofluoromethane	5.391	113	193812	49.960	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.920%
50) Toluene-d8	8.653	98	691873	48.763	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.520%
62) 4-Bromofluorobenzene	11.085	95	278121	50.709	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	101.420%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.166	85	7937	2.937	ug/l	87
3) Chloromethane	1.288	50	647	0.229	ug/l #	42
4) Vinyl Chloride	1.374	62	991926	319.014	ug/l	99
5) Bromomethane	1.581	94	48	Below Cal	#	3
10) Methyl Iodide	2.465	142	352	4.319	ug/l #	41
11) Tert butyl alcohol	2.953	59	338	0.416	ug/l #	72
14) Allyl chloride	2.544	41	2013	0.479	ug/l #	56
16) Acetone	2.380	43	8805	6.380	ug/l	95
18) Methyl Acetate	2.709	43	1172	0.328	ug/l #	66
25) 2-Butanone	4.721	43	110996	49.861	ug/l #	44
27) cis-1,2-Dichloroethene	4.495	96	45083	11.963	ug/l	87
29) Tetrahydrofuran	5.032	42	2605	1.825	ug/l #	71
31) Cyclohexane	5.562	56	5611	1.232	ug/l #	12
36) 1,1-Dichloropropene	5.550	75	23777	4.763	ug/l #	49
37) Ethyl Acetate	4.721	43	111416	23.031	ug/l	100
38) Carbon Tetrachloride	5.556	117	31897	5.592	ug/l #	15
41) Methacrylonitrile	5.025	41	1589	0.608	ug/l #	36
44) Trichloroethene	7.129	130	2511	Below Cal		84
52) Toluene	8.720	92	4623	0.468	ug/l	88
76) 1,2,3-Trichloropropane	11.085	75	133268	24.876	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	133268	72.982	ug/l #	15

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

Quant Time: Jun 06 02:37:29 2022
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Quant Title : SW846 8260
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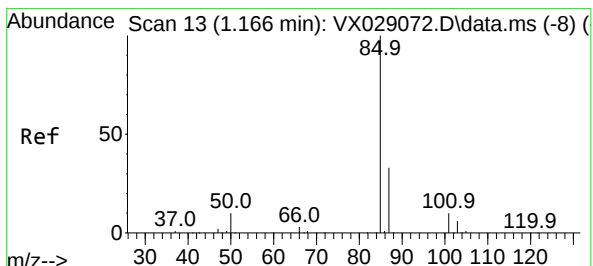
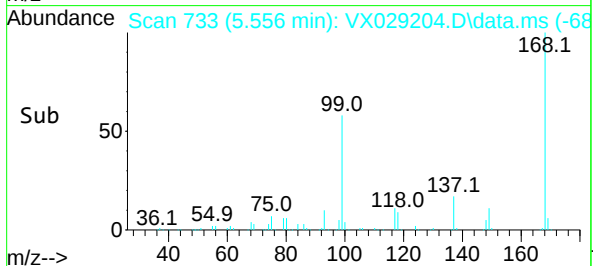
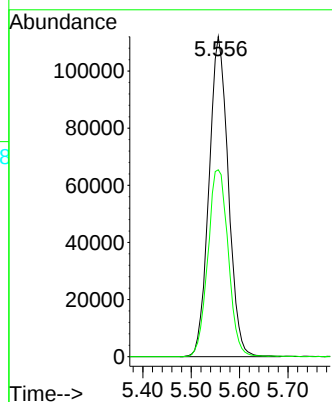
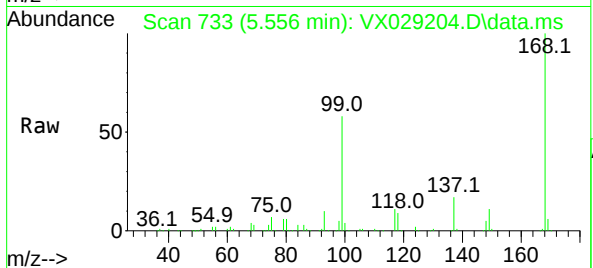




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

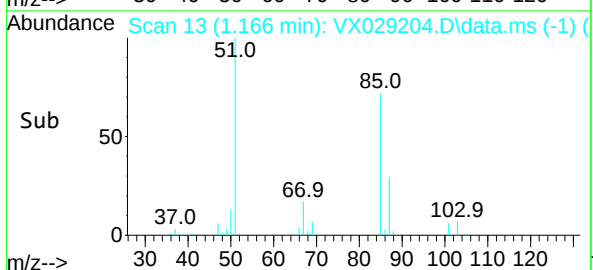
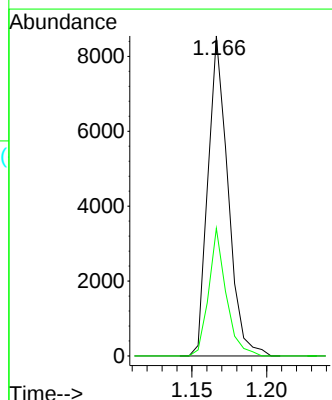
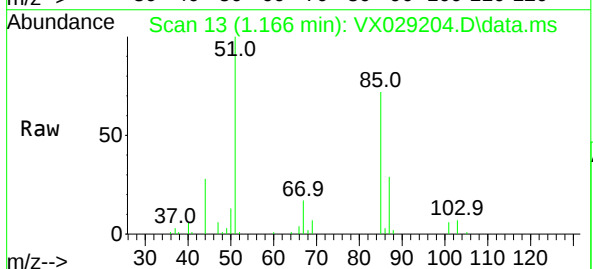
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MSVOA_X
ClientSampleId :
38BR-20220531

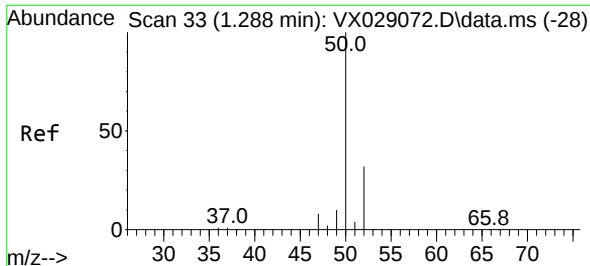
Tgt Ion:168 Resp: 310785
Ion Ratio Lower Upper
168 100
99 58.4 41.7 62.5



#2
Dichlorodifluoromethane
Concen: 2.937 ug/l
RT: 1.166 min Scan# 13
Delta R.T. 0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 85 Resp: 7937
Ion Ratio Lower Upper
85 100
87 39.9 16.2 48.6

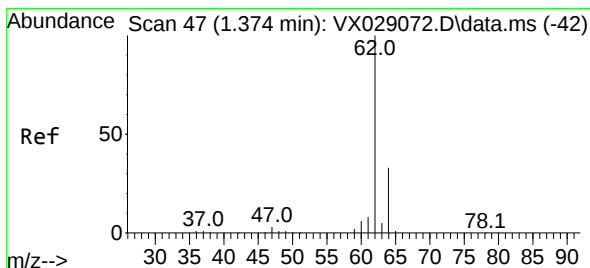
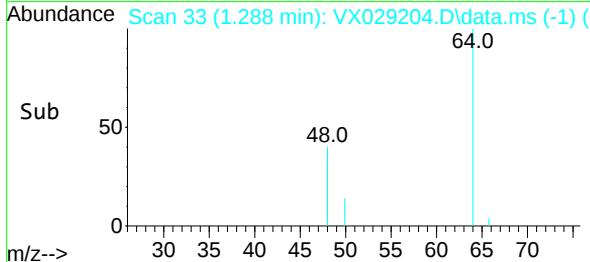
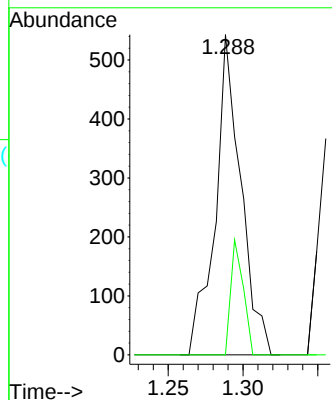
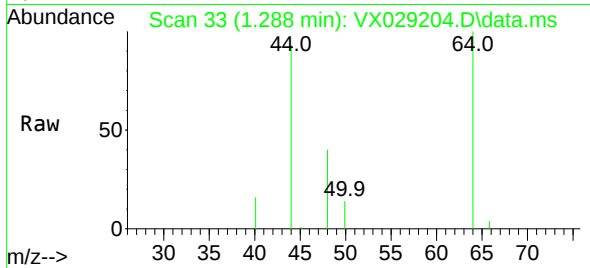




#3
Chloromethane
Concen: 0.229 ug/l
RT: 1.288 min Scan# 31
Delta R.T. 0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

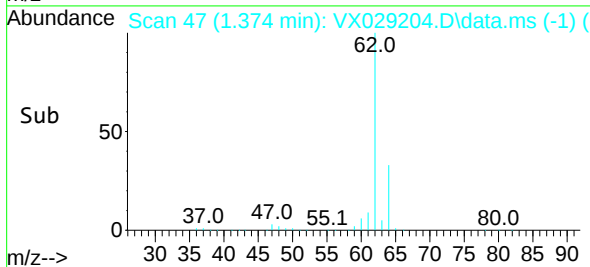
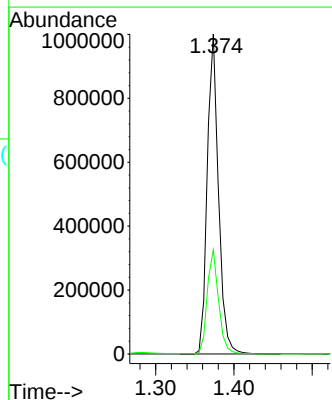
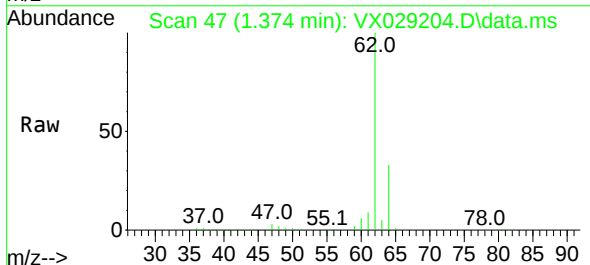
Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

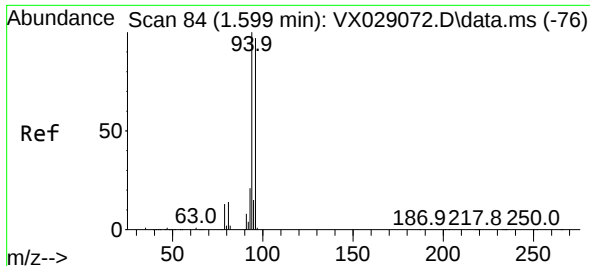
Tgt Ion: 50 Resp: 647
Ion Ratio Lower Upper
50 100
52 0.0 26.4 39.6#



#4
Vinyl Chloride
Concen: 319.014 ug/l
RT: 1.374 min Scan# 47
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 62 Resp: 991926
Ion Ratio Lower Upper
62 100
64 32.5 25.5 38.3

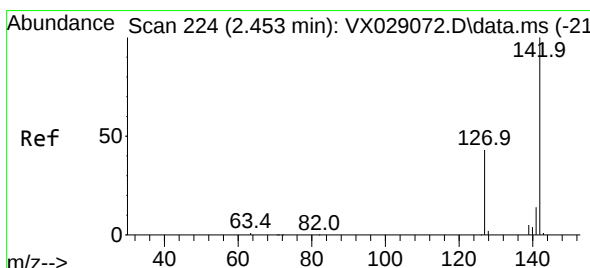
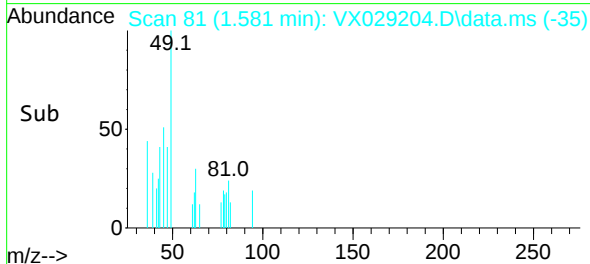
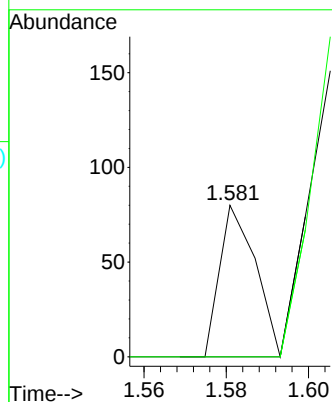
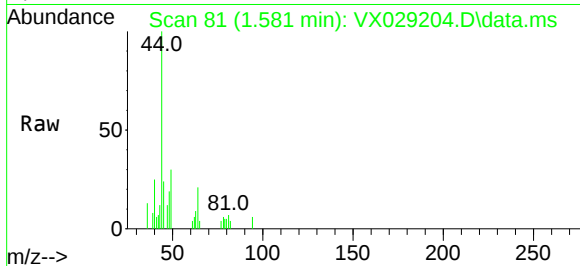




#5
Bromomethane
Concen: Below Cal
RT: 1.581 min Scan# 81
Delta R.T. -0.018 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

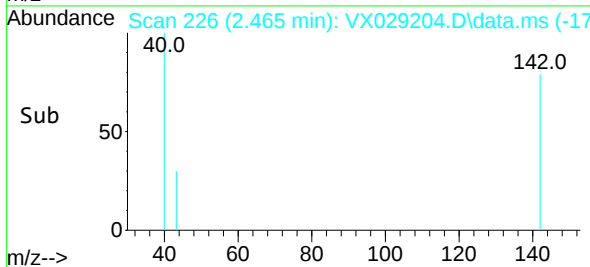
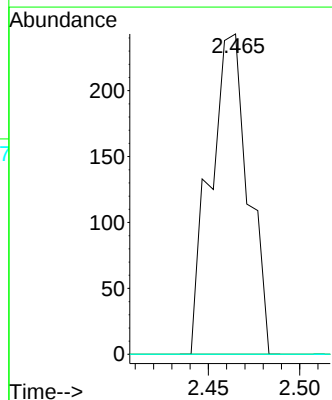
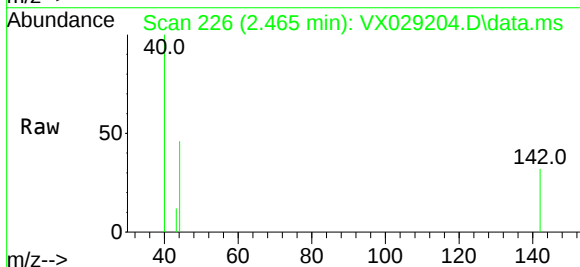
Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

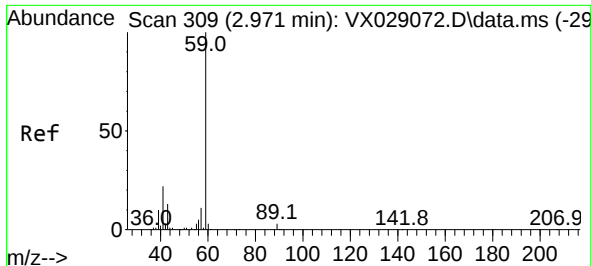
Tgt Ion: 94 Resp: 48
Ion Ratio Lower Upper
94 100
96 0.0 75.3 112.9#



#10
Methyl Iodide
Concen: 4.319 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 142 Resp: 352
Ion Ratio Lower Upper
142 100
127 0.0 33.9 50.9#
141 0.0 11.4 17.2#





#11

Tert butyl alcohol

Concen: 0.416 ug/l

RT: 2.953 min Scan# 306

Delta R.T. -0.018 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

Instrument :

MSVOA_X

ClientSampleId :

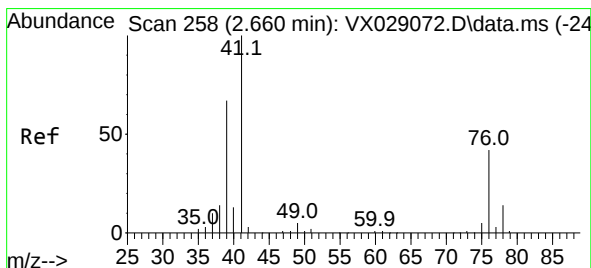
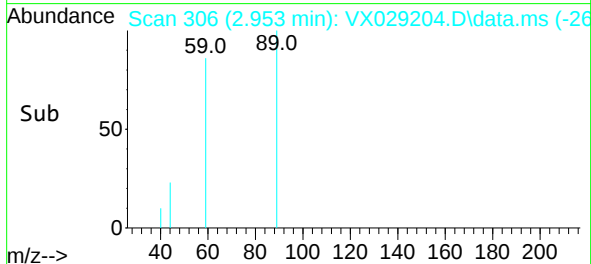
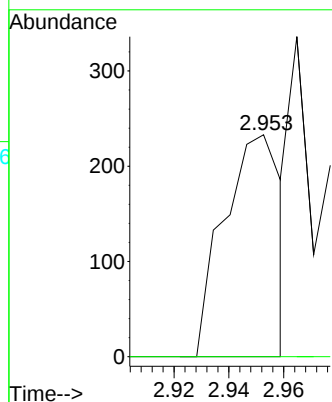
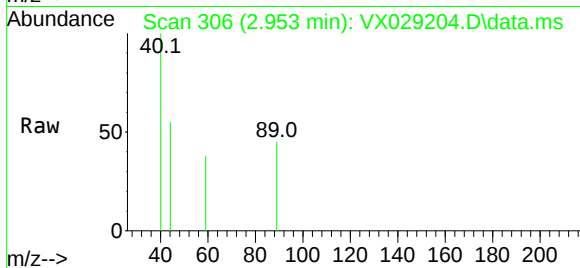
38BR-20220531

Tgt Ion: 59 Resp: 338

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#14

Allyl chloride

Concen: 0.479 ug/l

RT: 2.544 min Scan# 239

Delta R.T. -0.116 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

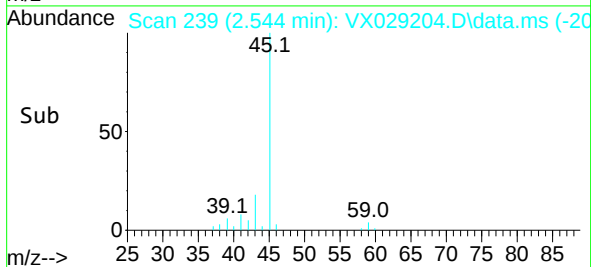
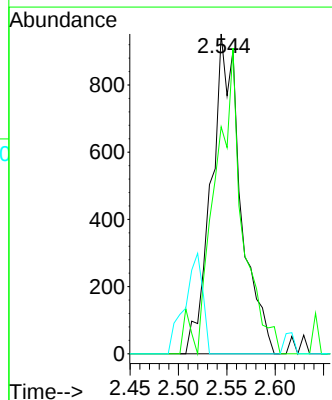
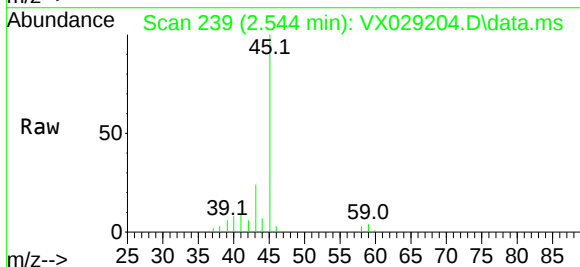
Tgt Ion: 41 Resp: 2013

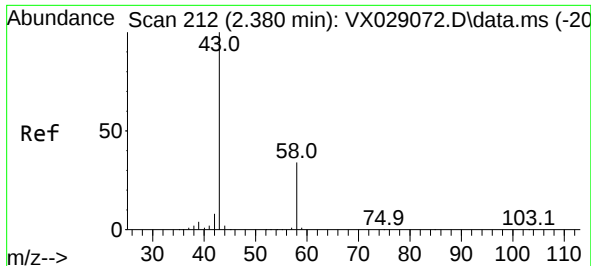
Ion Ratio Lower Upper

41 100

39 86.5 50.4 75.6#

76 0.0 32.7 49.1#

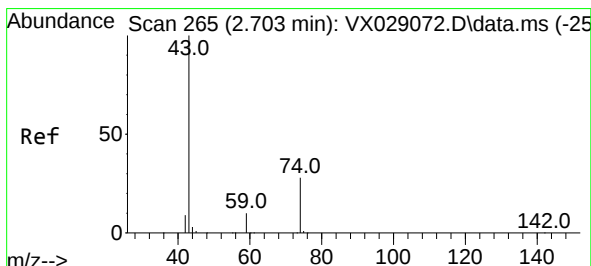
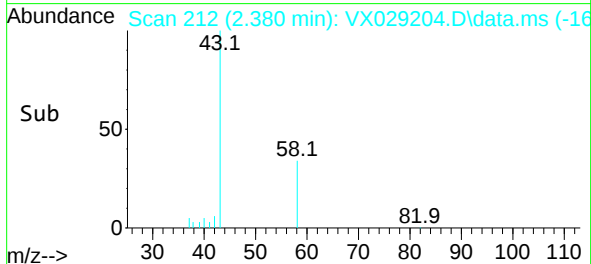
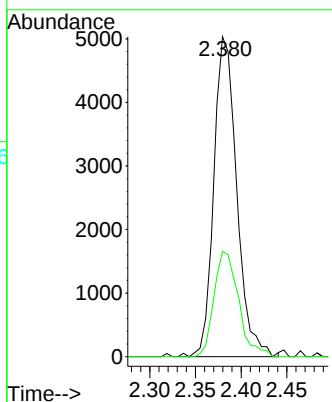
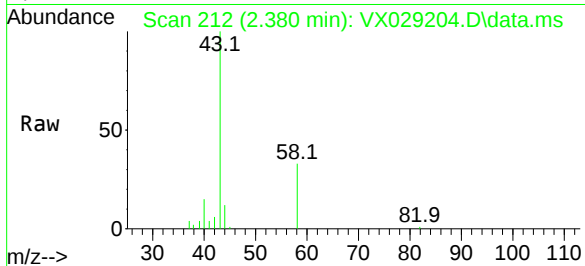




#16
Acetone
Concen: 6.380 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

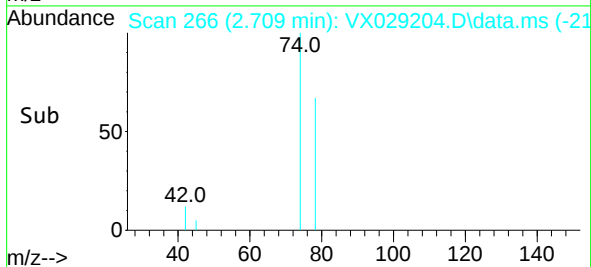
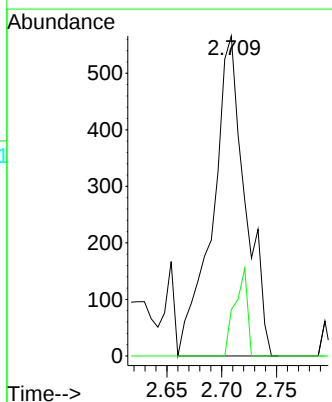
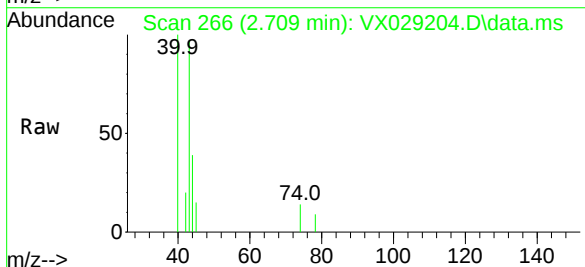
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ClientSampleId :
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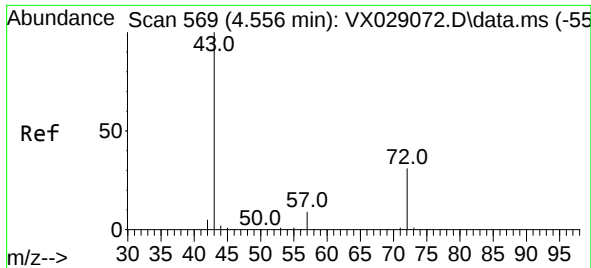
Tgt Ion: 43 Resp: 8805
Ion Ratio Lower Upper
43 100
58 33.0 28.8 43.2



#18
Methyl Acetate
Concen: 0.328 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 43 Resp: 1172
Ion Ratio Lower Upper
43 100
74 10.5 22.8 34.2#

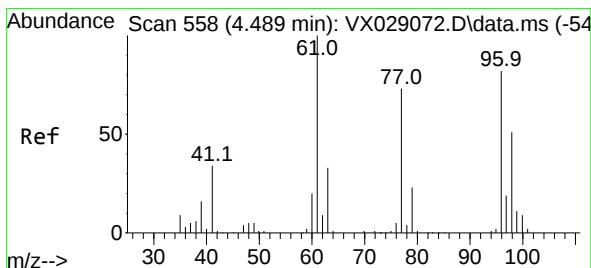
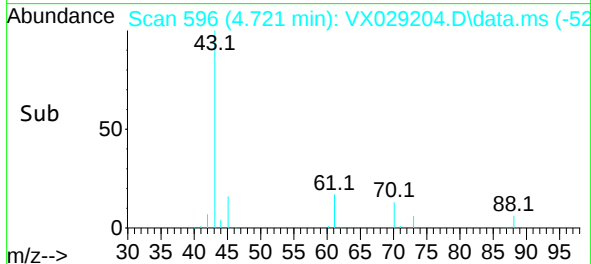
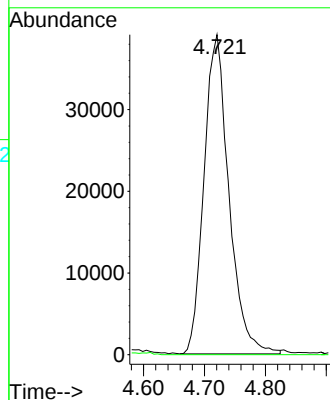
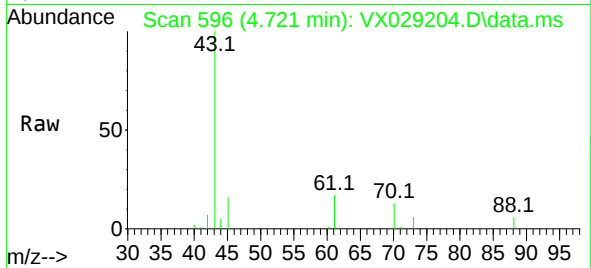




#25
2-Butanone
Concen: 49.861 ug/l
RT: 4.721 min Scan# 51
Delta R.T. 0.165 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

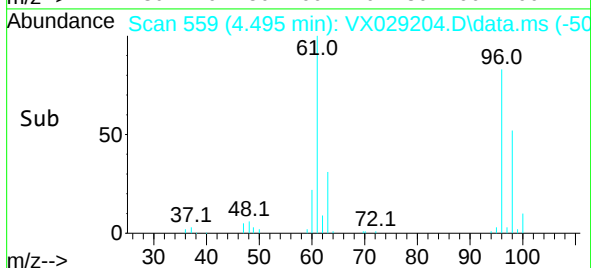
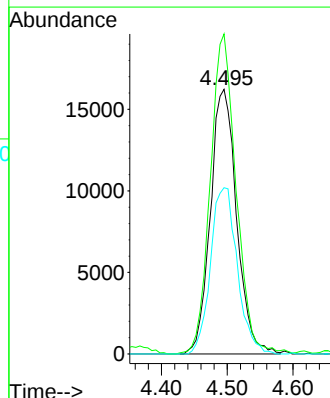
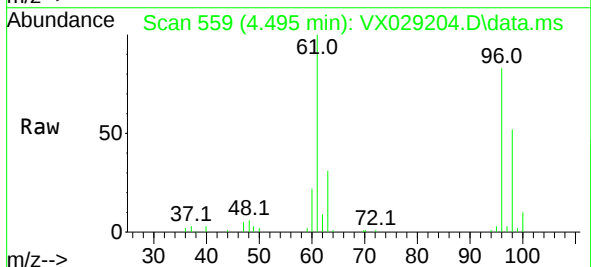
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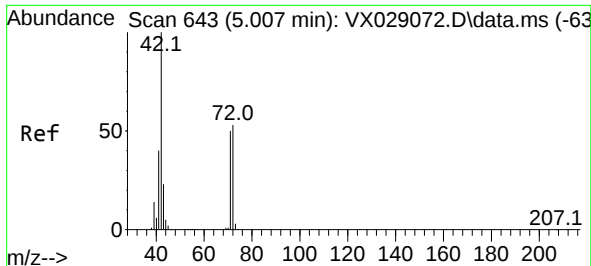
Tgt Ion: 43 Resp: 110996
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#27
cis-1,2-Dichloroethene
Concen: 11.963 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 96 Resp: 45083
Ion Ratio Lower Upper
96 100
61 118.9 0.0 283.8
98 64.0 0.0 129.8





#29

Tetrahydrofuran

Concen: 1.825 ug/l

RT: 5.032 min Scan# 64

Delta R.T. 0.025 min

Lab File: VX029204.D

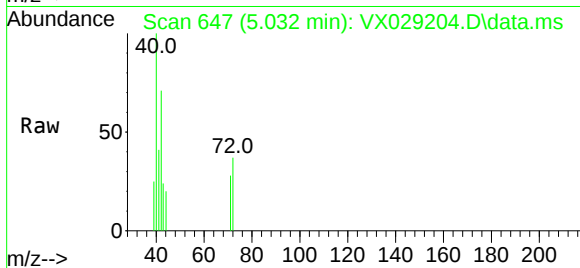
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Instrument :

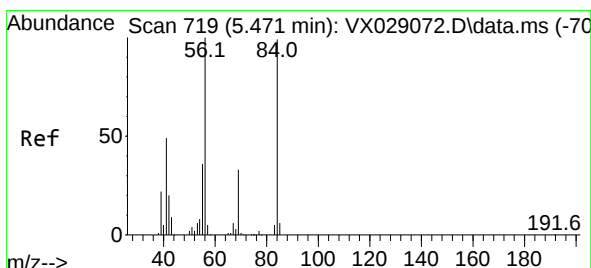
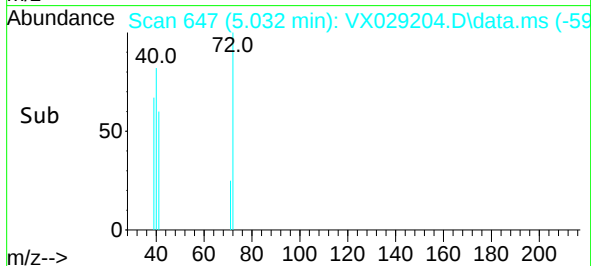
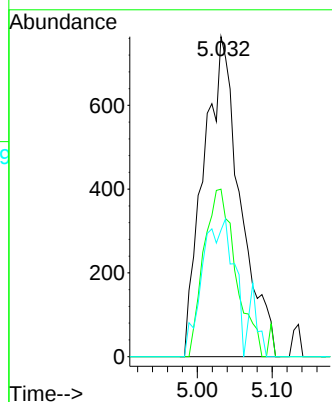
MSVOA_X

ClientSampleId :

38BR-20220531



Tgt Ion:	42	Resp:	2605
Ion Ratio	100	Lower	Upper
42	100		
72	45.6	44.1	66.1
71	19.2	40.5	60.7#



#31

Cyclohexane

Concen: 1.232 ug/l

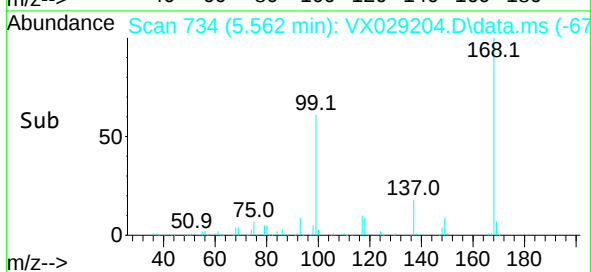
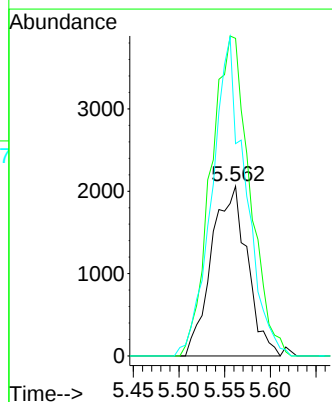
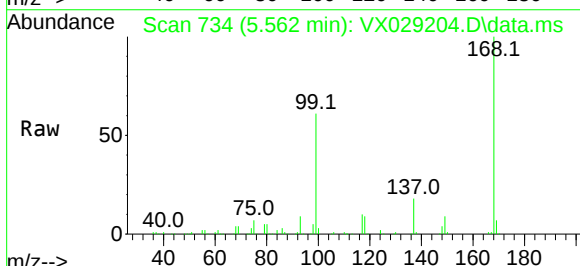
RT: 5.562 min Scan# 734

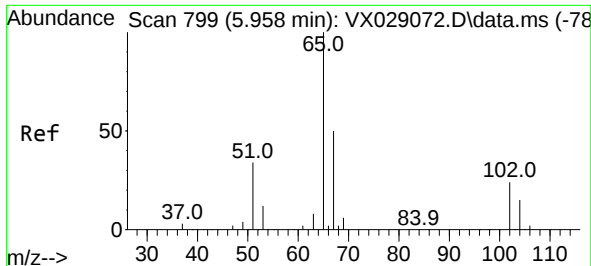
Delta R.T. 0.091 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

Tgt Ion:	56	Resp:	5611
Ion Ratio	100	Lower	Upper
56	100		
69	187.1	26.7	40.1#
84	120.6	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 59.321 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

Instrument :

MSVOA_X

ClientSampleId :

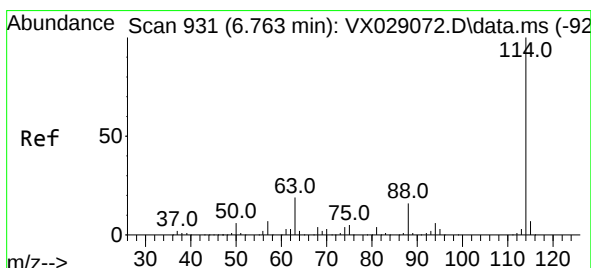
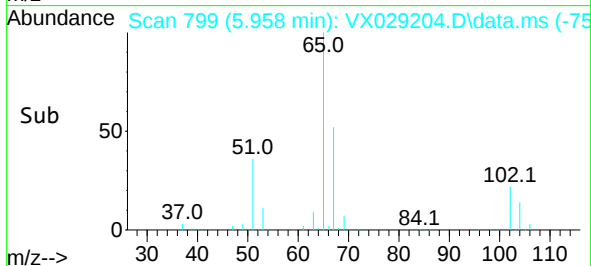
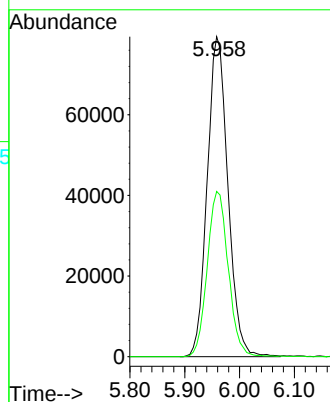
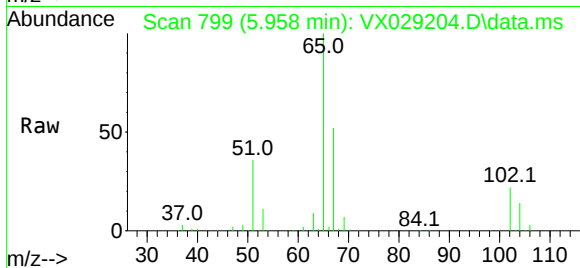
38BR-20220531

Tgt Ion: 65 Resp: 207894

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

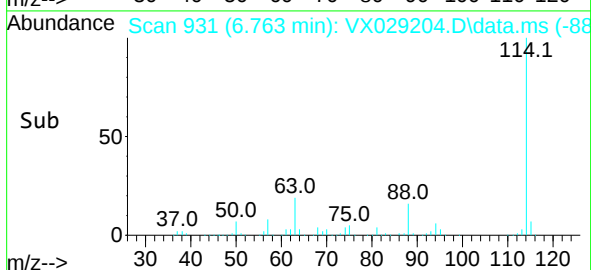
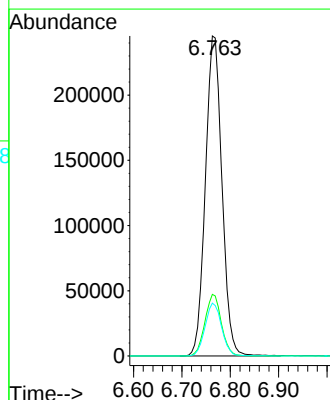
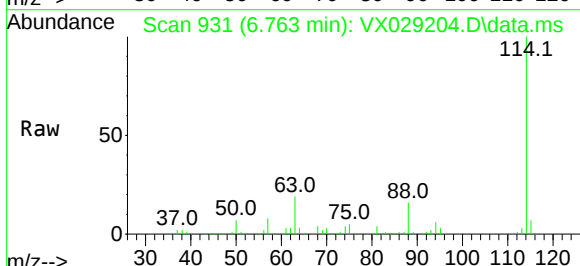
Tgt Ion: 114 Resp: 584048

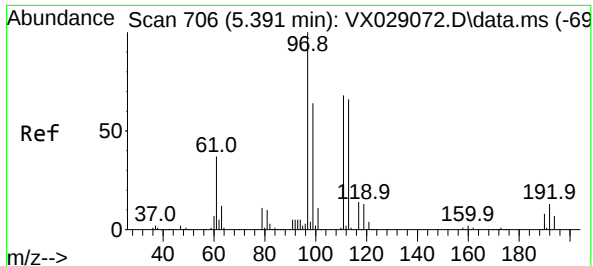
Ion Ratio Lower Upper

114 100

63 19.2 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 49.960 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029204.D

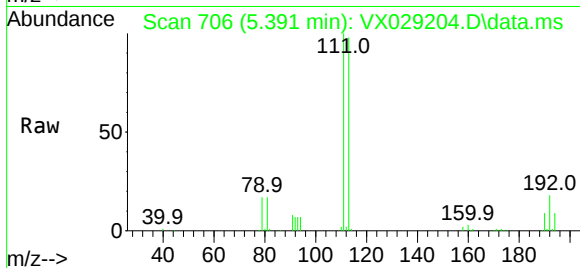
Acq: 03 Jun 2022 20:42

Instrument :

MSVOA_X

ClientSampleId :

38BR-20220531



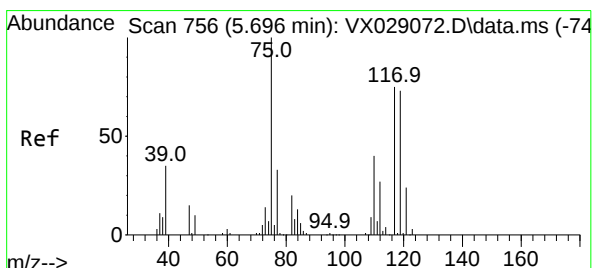
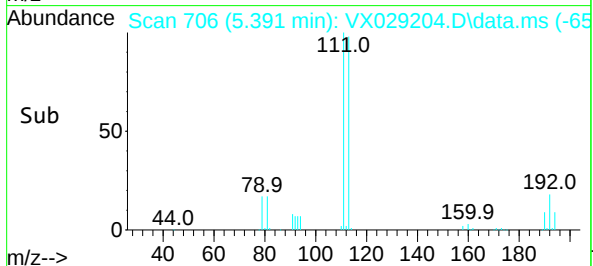
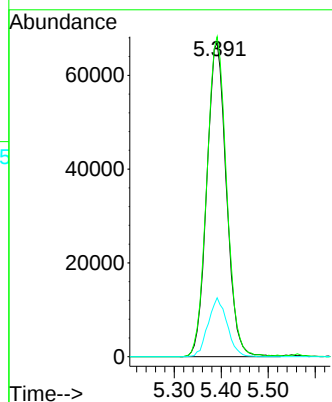
Tgt Ion:113 Resp: 193812

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

192 18.2 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.763 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

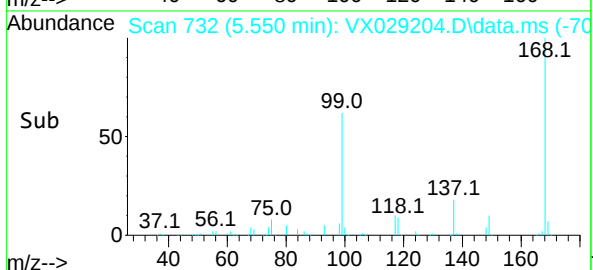
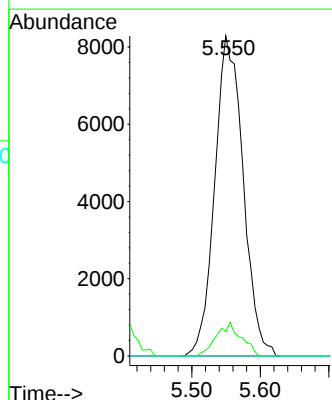
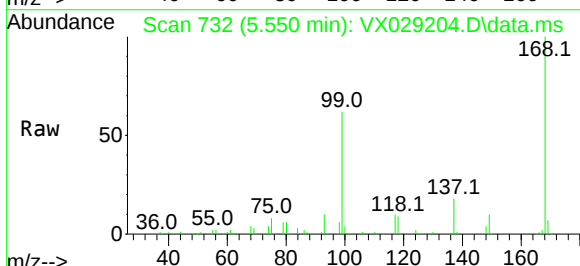
Tgt Ion: 75 Resp: 23777

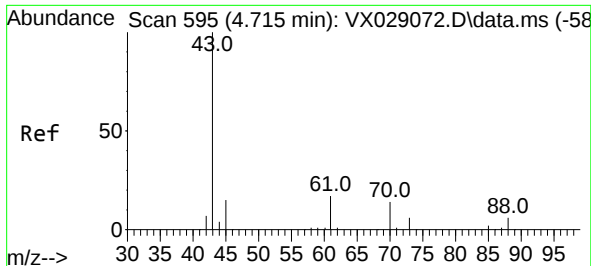
Ion Ratio Lower Upper

75 100

110 9.2 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 23.031 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

Instrument :

MSVOA_X

ClientSampleId :

38BR-20220531

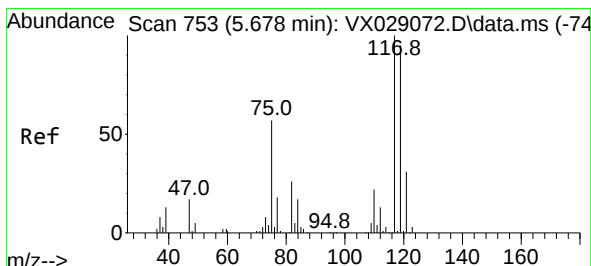
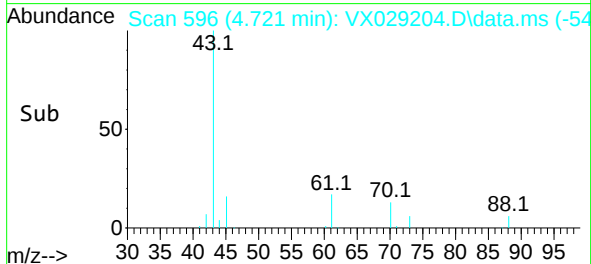
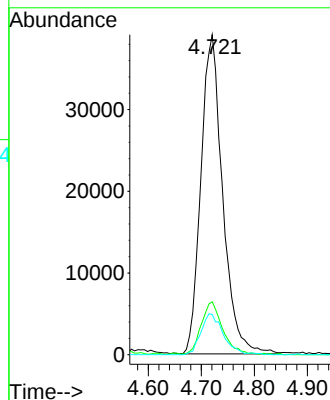
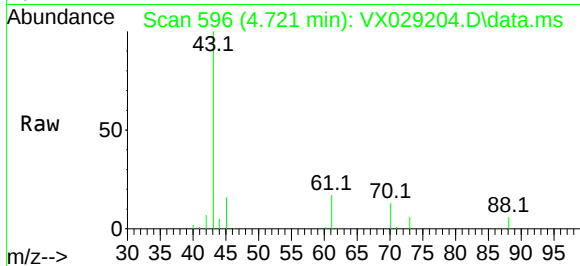
Tgt Ion: 43 Resp: 111416

Ion Ratio Lower Upper

43 100

61 15.8 12.6 19.0

70 13.0 10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.592 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029204.D

Acq: 03 Jun 2022 20:42

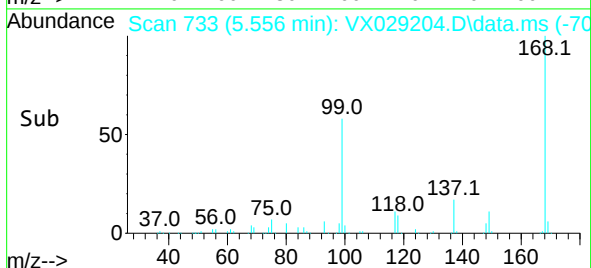
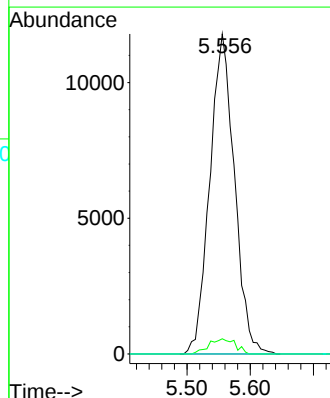
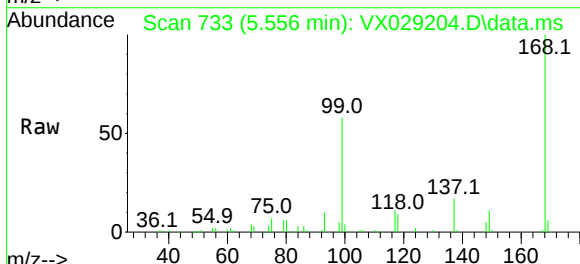
Tgt Ion: 117 Resp: 31897

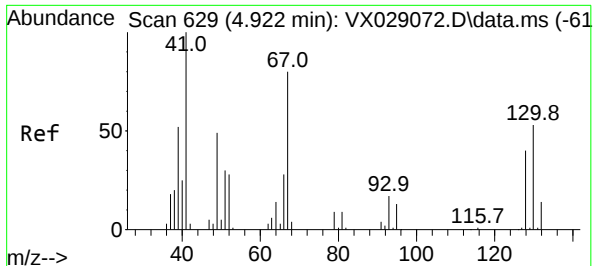
Ion Ratio Lower Upper

117 100

119 4.7 77.3 115.9#

121 0.0 24.2 36.2#

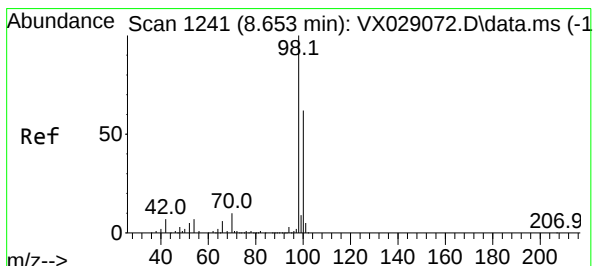
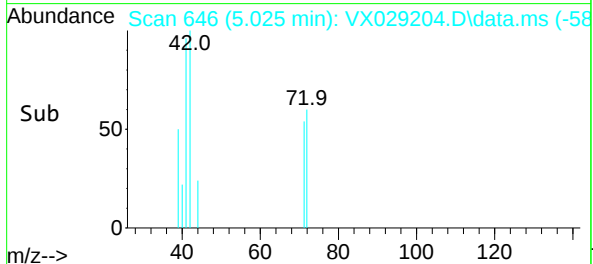
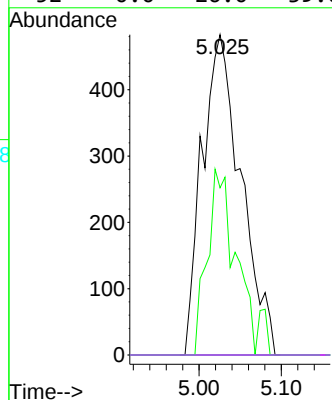
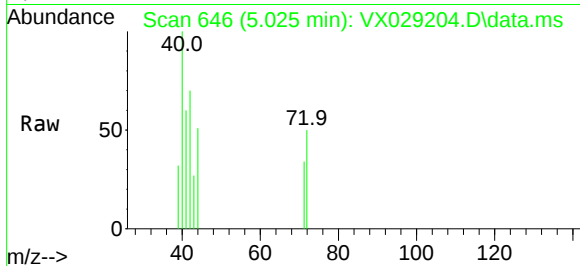




#41
Methacrylonitrile
Concen: 0.608 ug/l
RT: 5.025 min Scan# 641
Delta R.T. 0.103 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

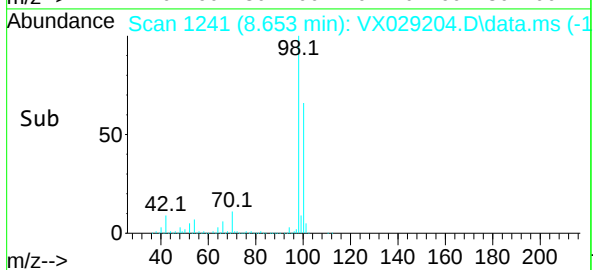
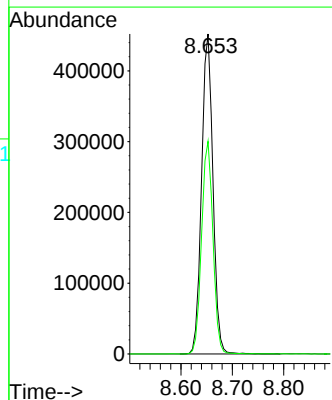
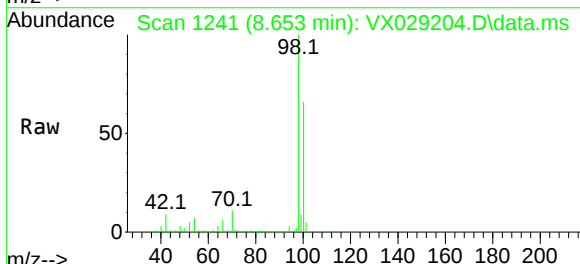
Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

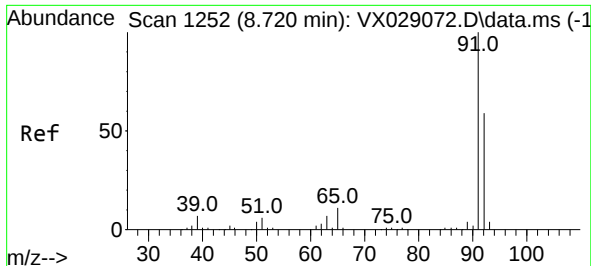
Tgt Ion: 41 Resp: 1589
Ion Ratio Lower Upper
41 100
39 41.9 43.0 64.4#
67 0.0 70.2 105.4#
52 0.0 26.0 39.0#



#50
Toluene-d8
Concen: 48.763 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 98 Resp: 691873
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

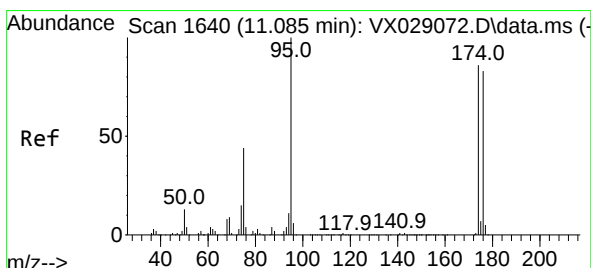
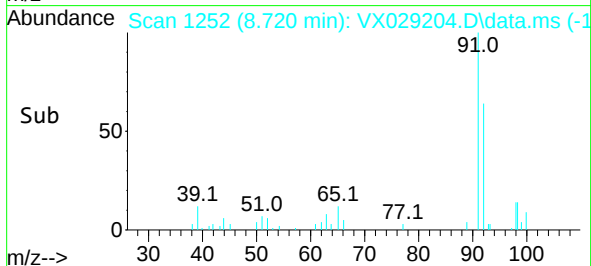
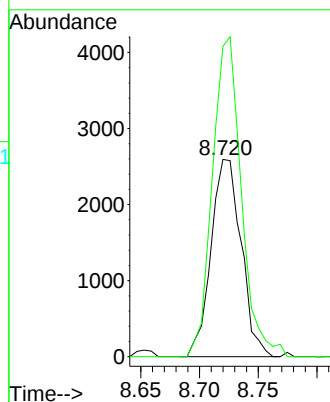
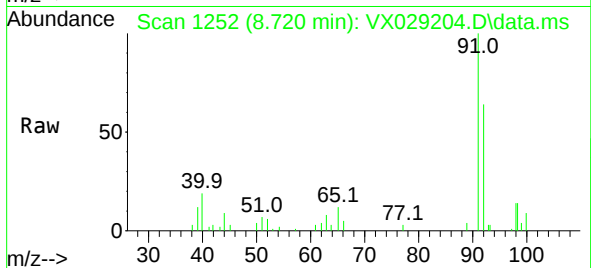




#52
Toluene
Concen: 0.468 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

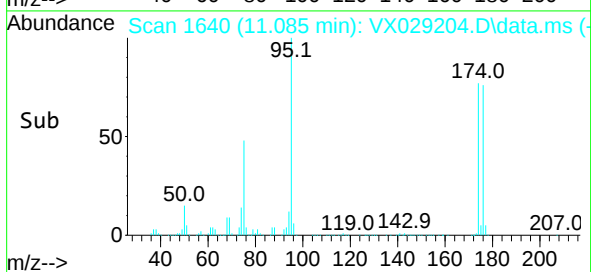
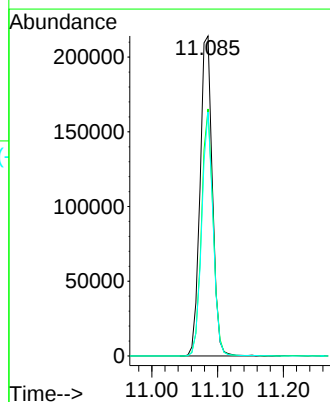
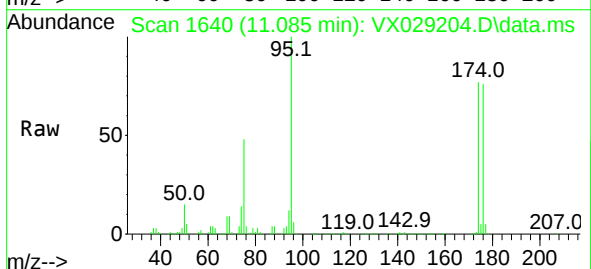
Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

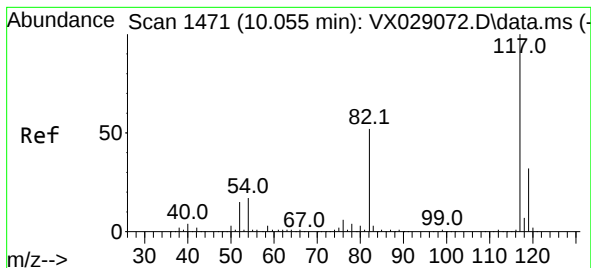
Tgt Ion: 92 Resp: 4623
Ion Ratio Lower Upper
92 100
91 155.9 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 50.709 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 95 Resp: 278121
Ion Ratio Lower Upper
95 100
174 72.7 0.0 163.0
176 70.1 0.0 155.0

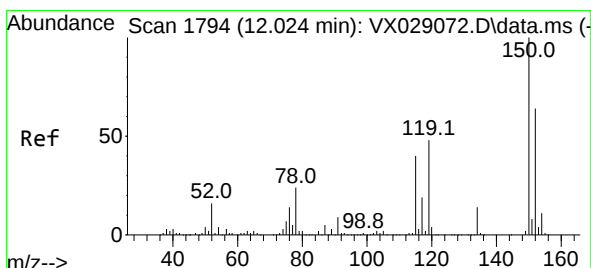
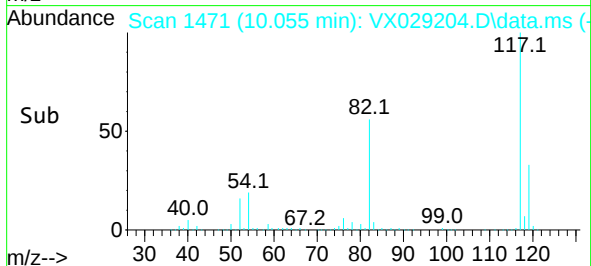
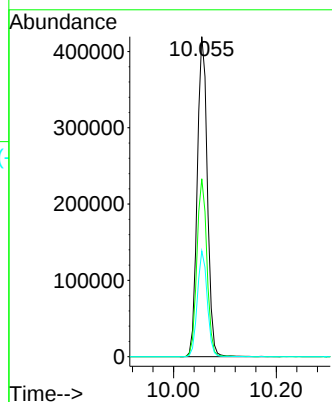
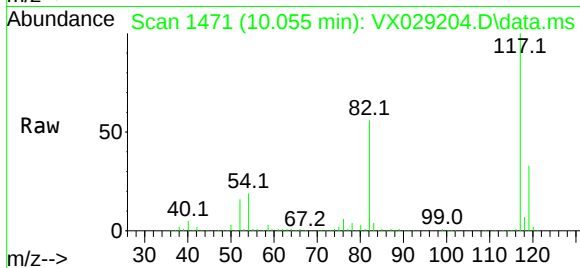




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

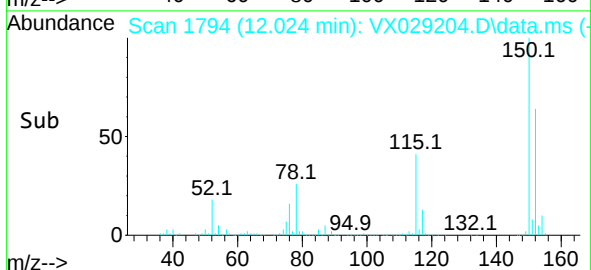
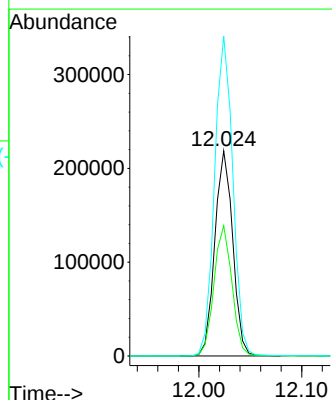
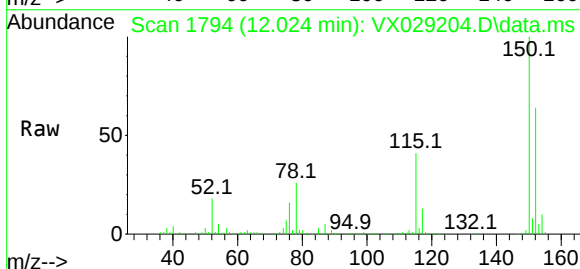
Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

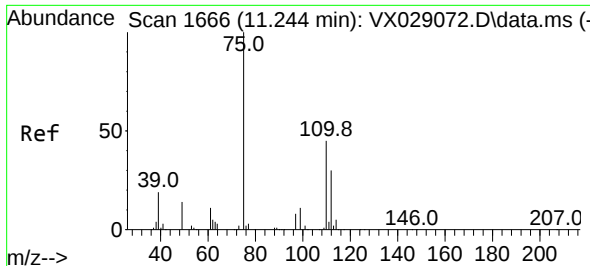
Tgt Ion:117 Resp: 572475
Ion Ratio Lower Upper
117 100
82 55.6 41.8 62.8
119 33.1 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion:152 Resp: 264273
Ion Ratio Lower Upper
152 100
115 63.9 37.5 112.7
150 159.0 0.0 338.2

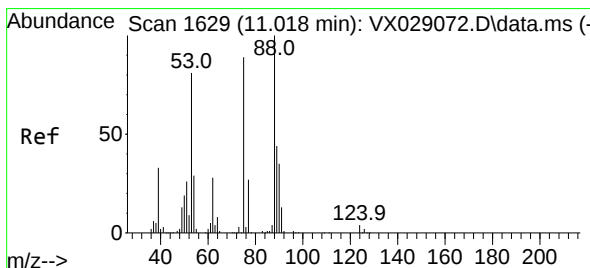
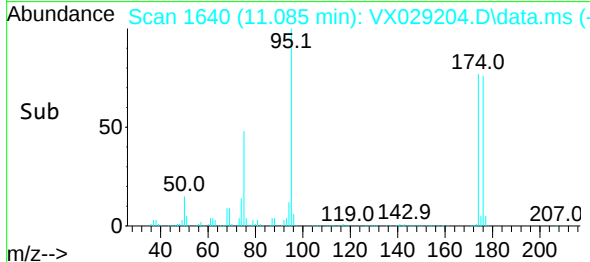
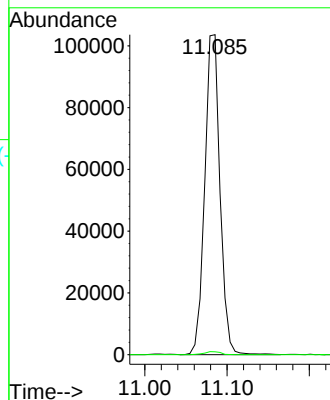
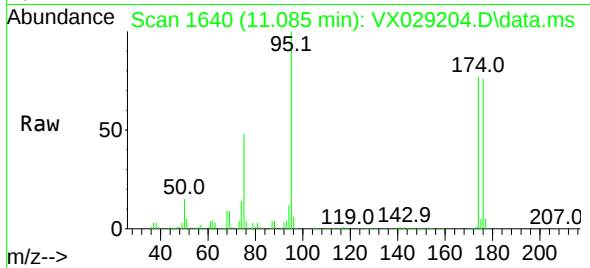




#76
1,2,3-Trichloropropane
Concen: 24.876 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Instrument :
MSVOA_X
ClientSampleId :
38BR-20220531

Tgt Ion: 75 Resp: 133268
Ion Ratio Lower Upper
75 100
77 1.0 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 72.982 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.067 min
Lab File: VX029204.D
Acq: 03 Jun 2022 20:42

Tgt Ion: 75 Resp: 133268
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.1 37.0 55.6#

