

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029156.D
 Acq On : 02 Jun 2022 23:42
 Operator : JC/MD
 Sample : N3164-04 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 23BR-20220531

Quant Time: Jun 03 04:35:37 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)

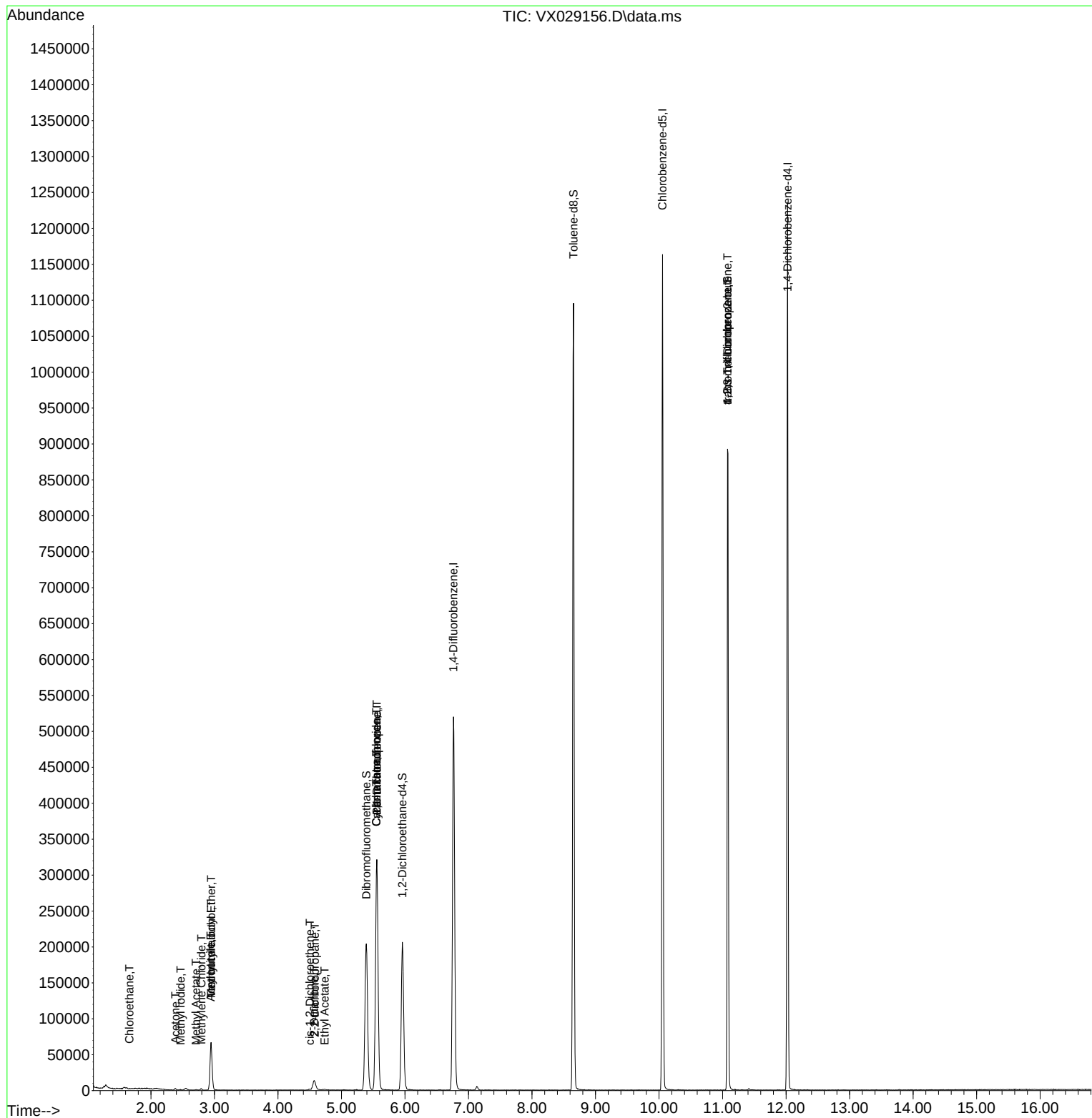
Internal Standards						
1) Pentafluorobenzene	5.556	168	301785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	553632	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	544127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	255417	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	196837	57.841	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	115.680%
35) Dibromofluoromethane	5.391	113	184242	50.102	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.200%
50) Toluene-d8	8.653	98	660823	49.133	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.260%
62) 4-Bromofluorobenzene	11.079	95	261967	50.388	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	100.780%
Target Compounds						
					Qvalue	
5) Bromomethane	1.617	94	905	Below Cal	#	71
6) Chloroethane	1.660	64	219	1.486	ug/l #	43
10) Methyl Iodide	2.465	142	643	4.400	ug/l #	89
11) Tert butyl alcohol	2.946	59	37267	47.273	ug/l #	77
15) Acrylonitrile	2.940	53	594	0.366	ug/l #	21
16) Acetone	2.386	43	2590	1.933	ug/l	91
18) Methyl Acetate	2.709	43	796	0.230	ug/l #	66
19) Methyl tert-butyl Ether	2.946	73	2176	0.236	ug/l #	70
20) Methylene Chloride	2.794	84	885	0.283	ug/l #	91
25) 2-Butanone	4.568	43	880	0.407	ug/l #	44
26) 2,2-Dichloropropane	4.580	77	1137	0.274	ug/l #	52
27) cis-1,2-Dichloroethene	4.501	96	901	0.246	ug/l	81
31) Cyclohexane	5.550	56	5595	1.265	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	22725	4.803	ug/l #	50
37) Ethyl Acetate	4.733	43	1441	0.314	ug/l #	79
38) Carbon Tetrachloride	5.550	117	31110	5.753	ug/l #	15
44) Trichloroethene	7.129	130	2186	Below Cal		92
76) 1,2,3-Trichloropropane	11.079	75	126074	24.349	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	126074	71.436	ug/l #	15

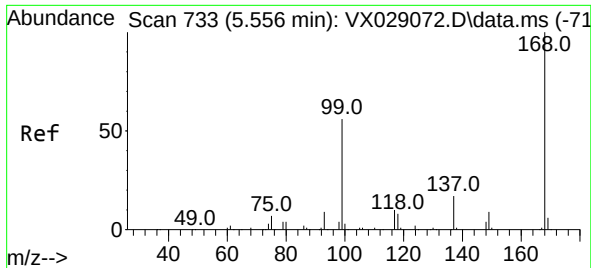
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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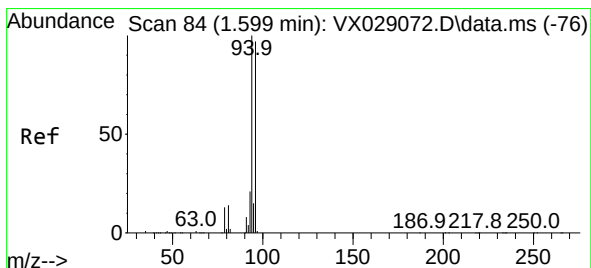
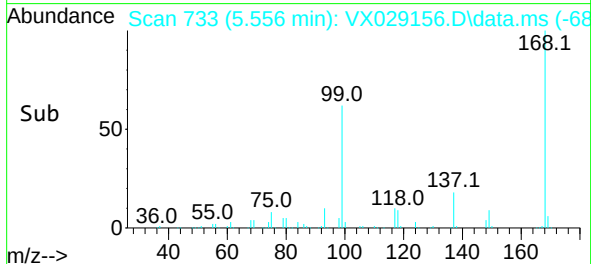
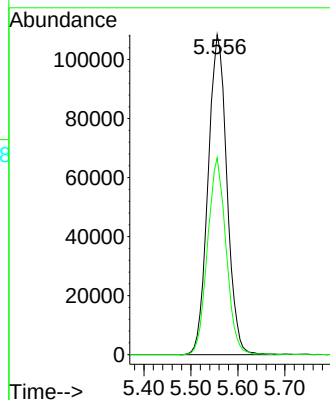
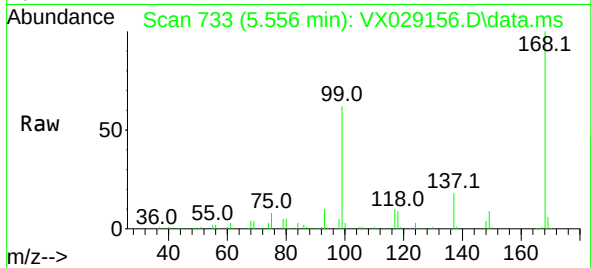




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

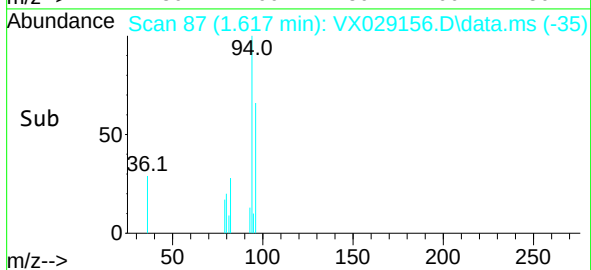
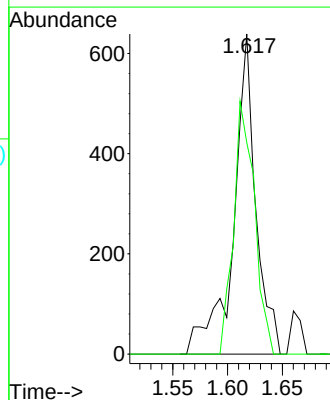
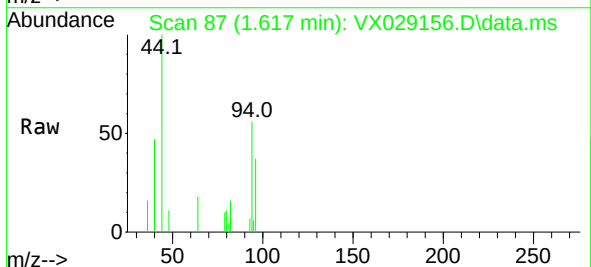
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

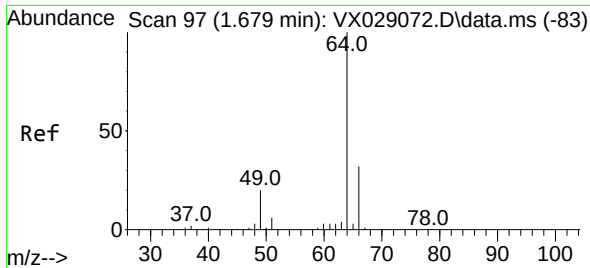
Tgt Ion:168 Resp: 301785
Ion Ratio Lower Upper
168 100
99 61.6 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.617 min Scan# 87
Delta R.T. 0.018 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 94 Resp: 905
Ion Ratio Lower Upper
94 100
96 66.0 75.3 112.9#

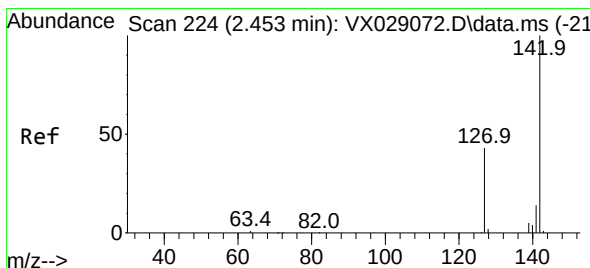
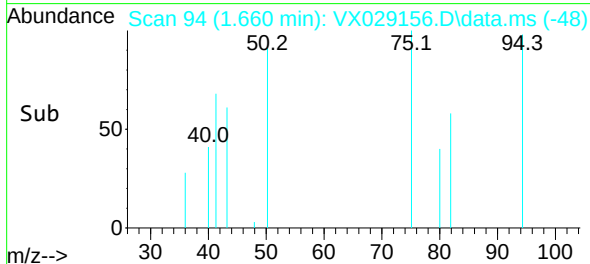
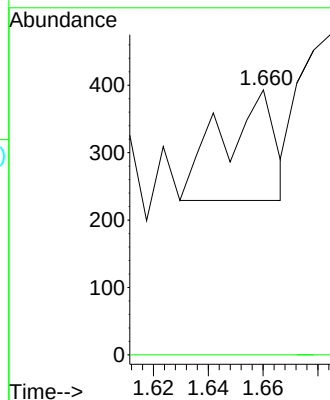
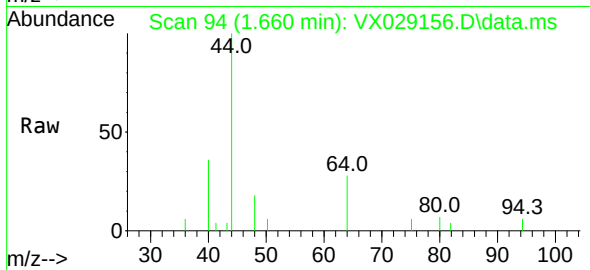




#6
Chloroethane
Concen: 1.486 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

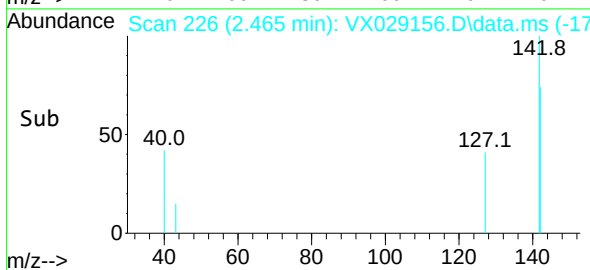
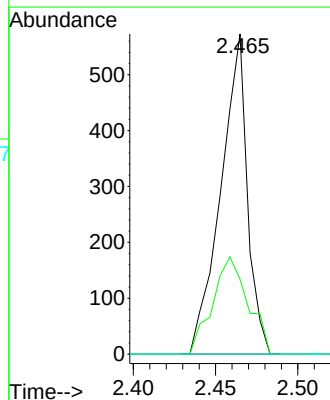
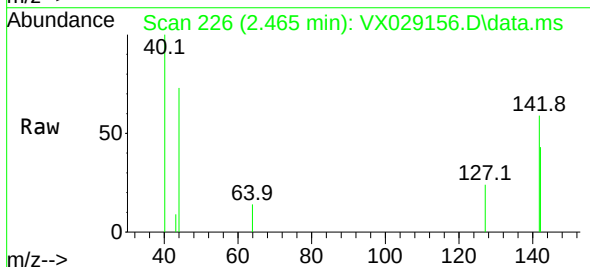
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

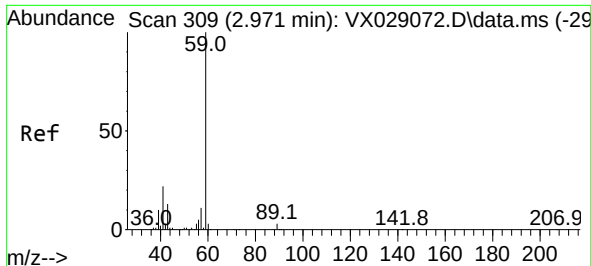
Tgt Ion: 64 Resp: 219
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.400 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 142 Resp: 643
Ion Ratio Lower Upper
142 100
127 40.6 33.9 50.9
141 0.0 11.4 17.2#

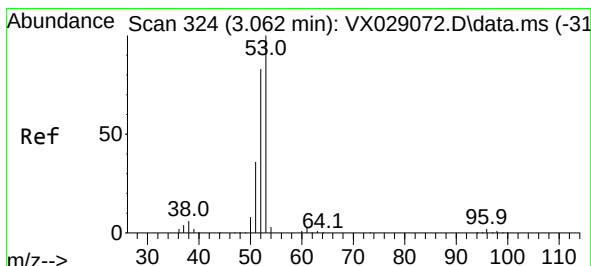
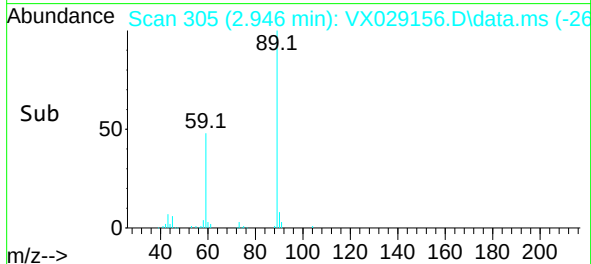
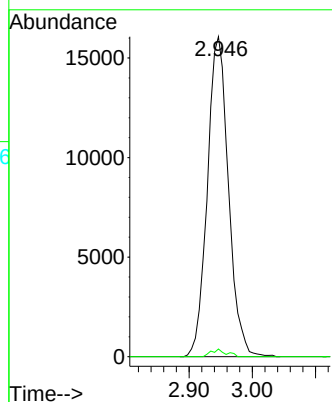
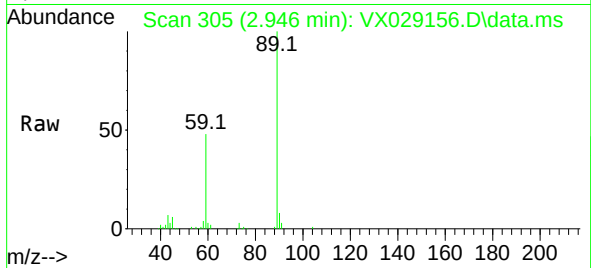




#11
Tert butyl alcohol
Concen: 47.273 ug/l
RT: 2.946 min Scan# 309
Delta R.T. -0.025 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

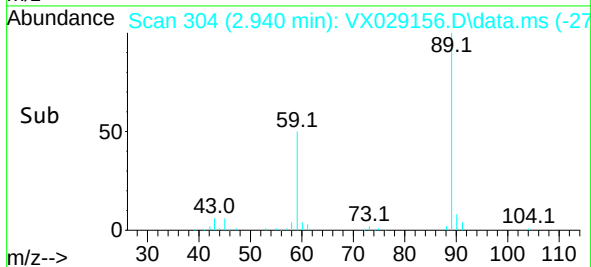
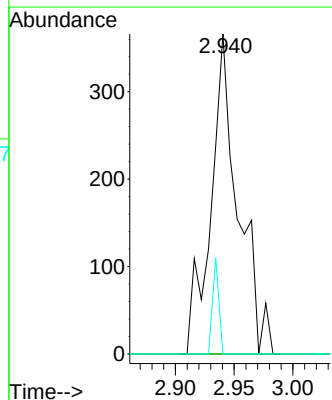
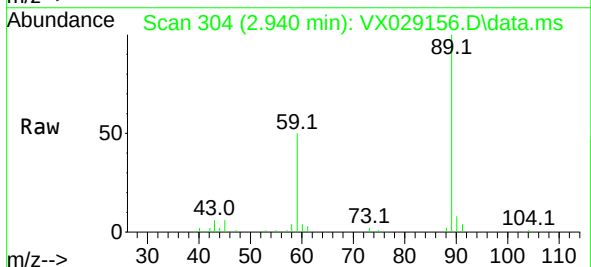
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

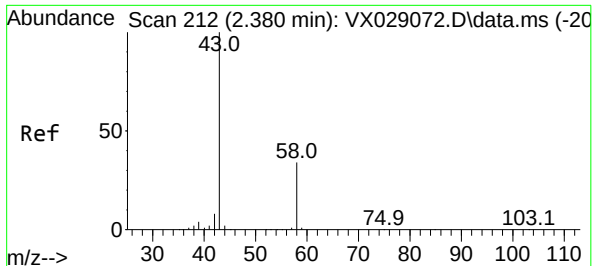
Tgt Ion: 59 Resp: 37267
Ion Ratio Lower Upper
59 100
57 1.7 8.3 12.5#



#15
Acrylonitrile
Concen: 0.366 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.122 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 53 Resp: 594
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 6.7 28.4 42.6#

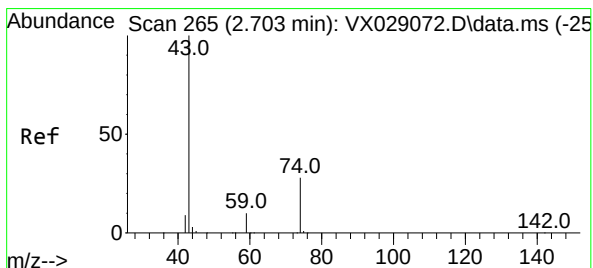
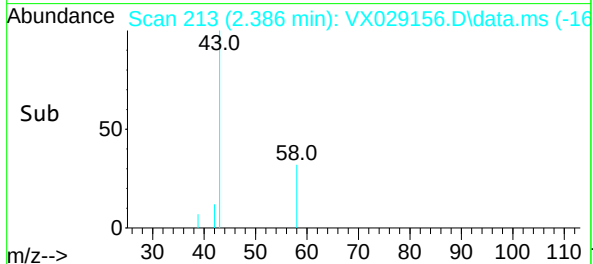
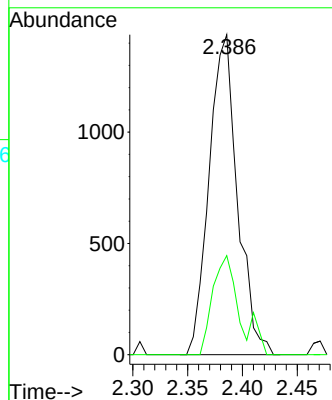
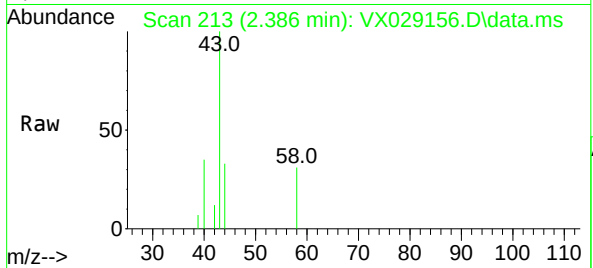




#16
Acetone
Concen: 1.933 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

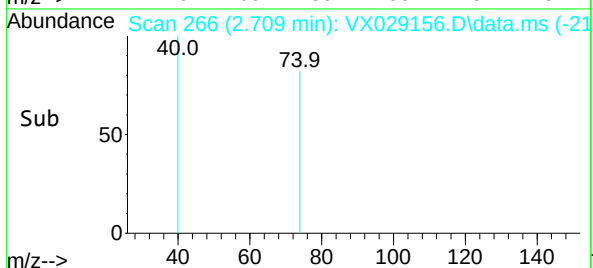
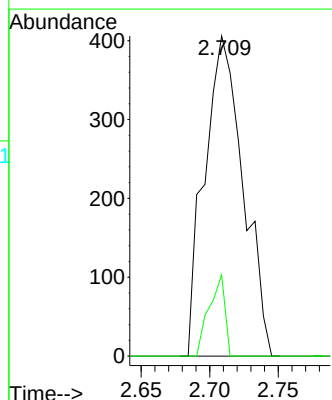
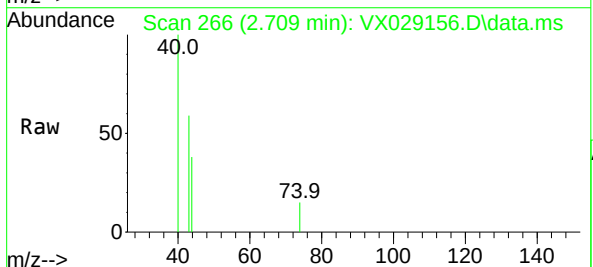
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

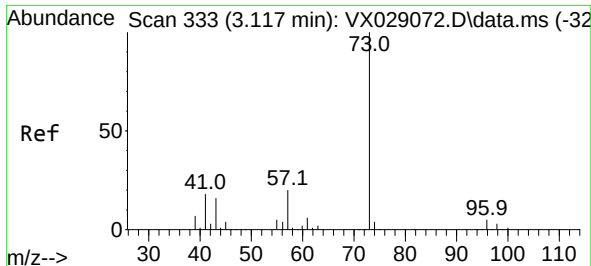
Tgt Ion: 43 Resp: 2590
Ion Ratio Lower Upper
43 100
58 30.9 28.8 43.2



#18
Methyl Acetate
Concen: 0.230 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 43 Resp: 796
Ion Ratio Lower Upper
43 100
74 10.4 22.8 34.2#

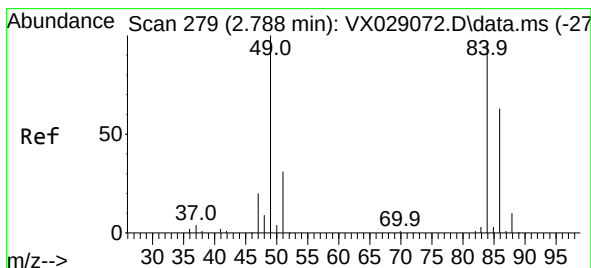
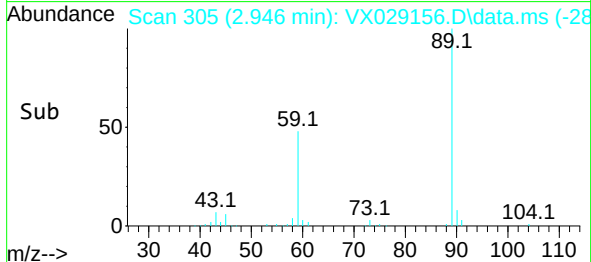
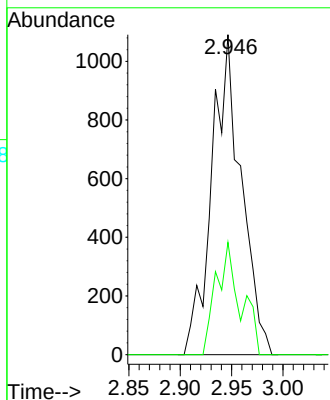
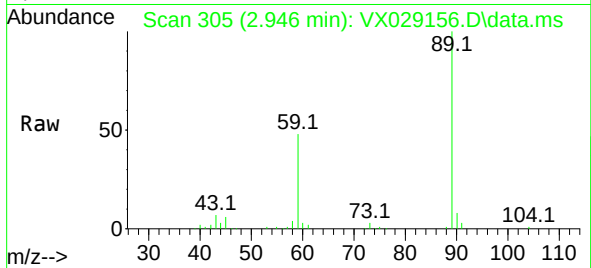




#19
Methyl tert-butyl Ether
Concen: 0.236 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.171 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

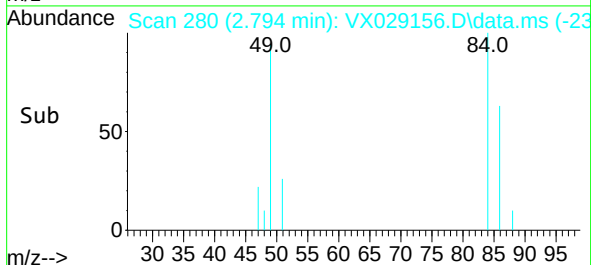
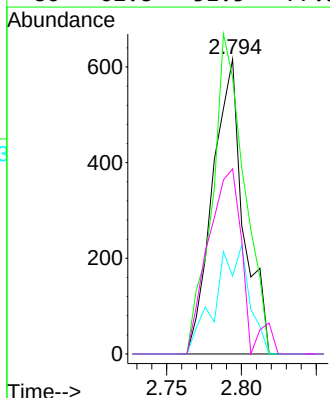
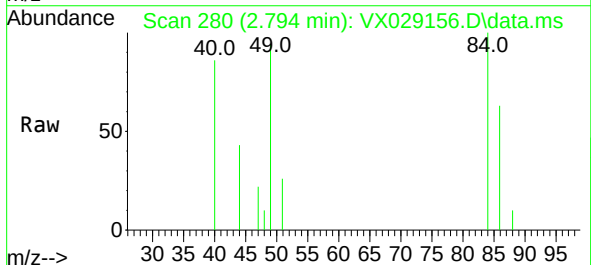
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MSVOA_X
ClientSampleId :
23BR-20220531

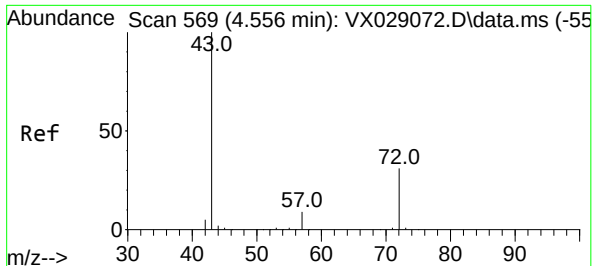
Tgt Ion: 73 Resp: 2176
Ion Ratio Lower Upper
73 100
57 35.1 16.8 25.2#



#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 84 Resp: 885
Ion Ratio Lower Upper
84 100
49 93.8 85.5 128.3
51 26.5 26.6 39.8#
86 62.8 51.5 77.3





#25

2-Butanone

Concen: 0.407 ug/l

RT: 4.568 min Scan# 51

Delta R.T. 0.012 min

Lab File: VX029156.D

Acq: 02 Jun 2022 23:42

Instrument :

MSVOA_X

ClientSampleId :

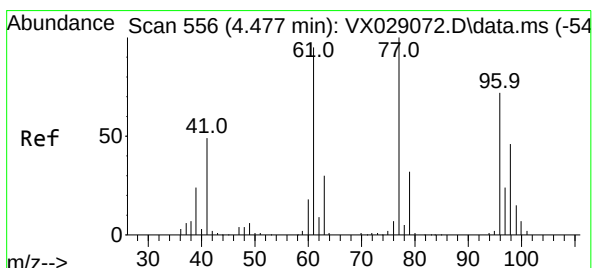
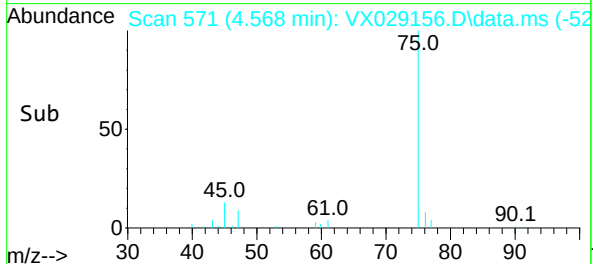
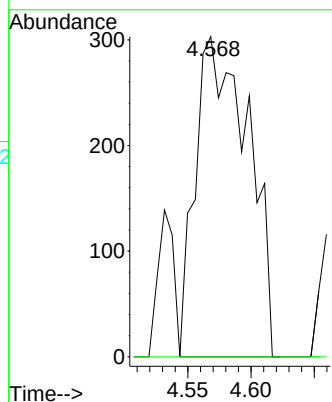
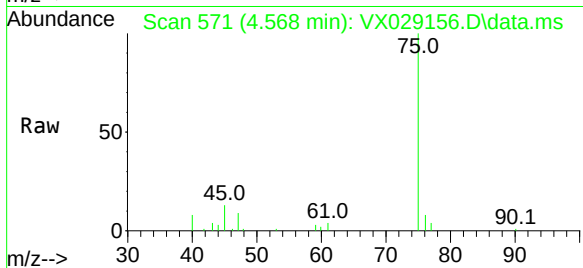
23BR-20220531

Tgt Ion: 43 Resp: 880

Ion Ratio Lower Upper

43 100

72 0.0 24.4 36.6#



#26

2,2-Dichloropropane

Concen: 0.274 ug/l

RT: 4.580 min Scan# 573

Delta R.T. 0.103 min

Lab File: VX029156.D

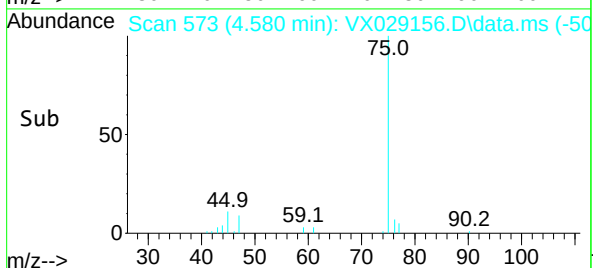
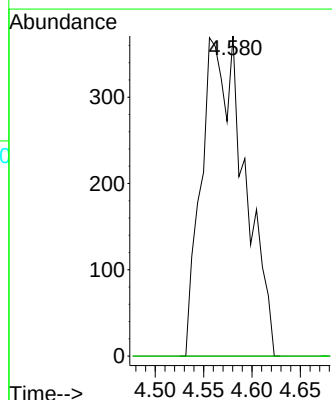
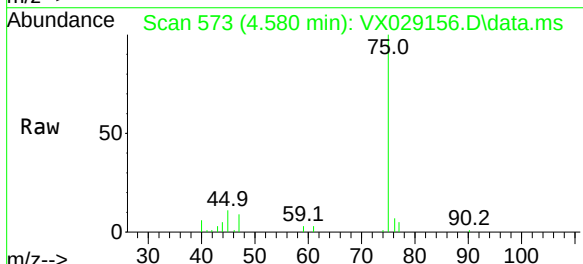
Acq: 02 Jun 2022 23:42

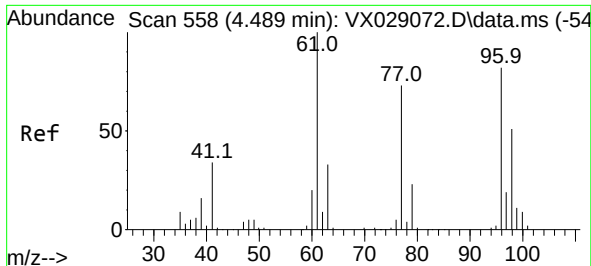
Tgt Ion: 77 Resp: 1137

Ion Ratio Lower Upper

77 100

97 0.0 11.8 35.4#

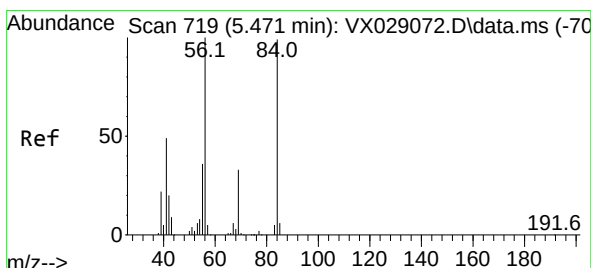
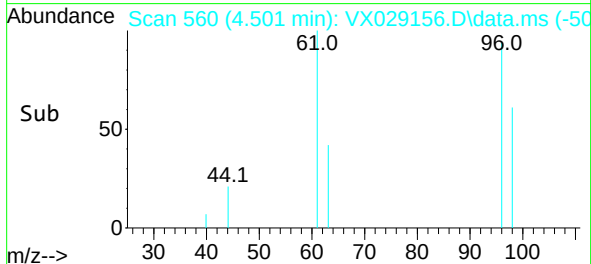
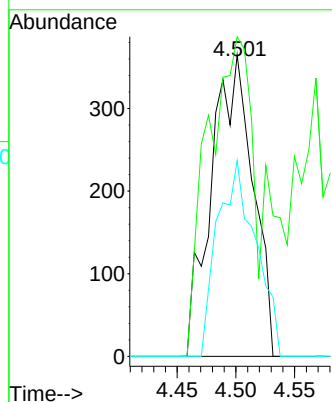
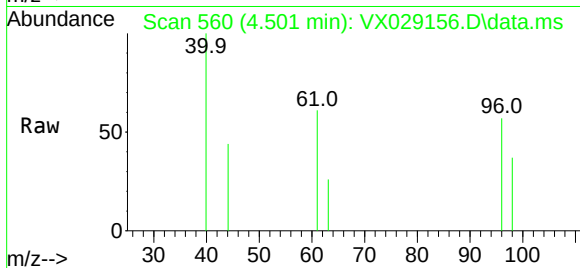




#27
 cis-1,2-Dichloroethene
 Concen: 0.246 ug/l
 RT: 4.501 min Scan# 501
 Delta R.T. 0.012 min
 Lab File: VX029156.D
 Acq: 02 Jun 2022 23:42

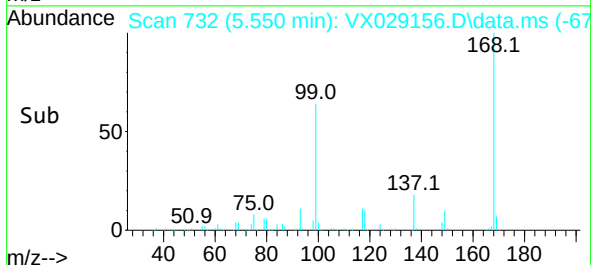
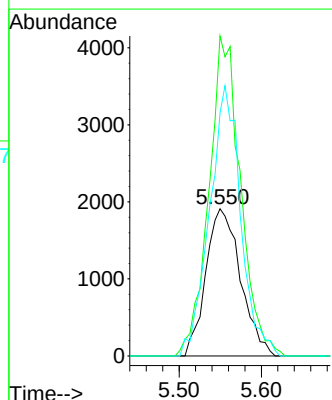
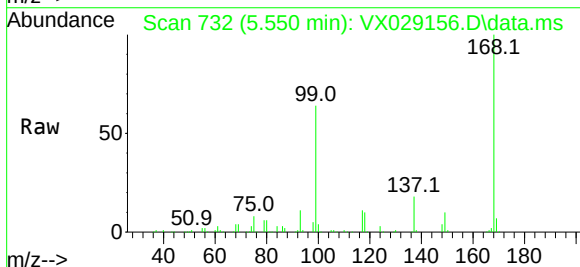
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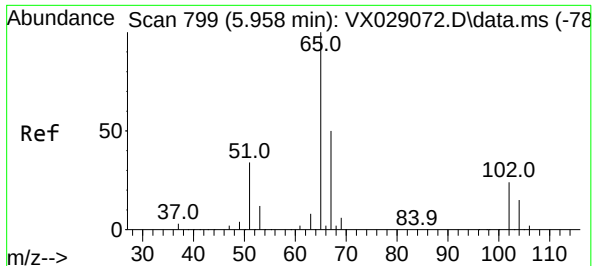
Tgt Ion: 96	Resp:	901
Ion	Ratio	Lower Upper
96	100	
61	111.1	0.0 283.8
98	59.4	0.0 129.8



#31
 Cyclohexane
 Concen: 1.265 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX029156.D
 Acq: 02 Jun 2022 23:42

Tgt Ion: 56	Resp:	5595
Ion	Ratio	Lower Upper
56	100	
69	214.5	26.7 40.1#
84	165.2	77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 57.841 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029156.D

Acq: 02 Jun 2022 23:42

Instrument :

MSVOA_X

ClientSampleId :

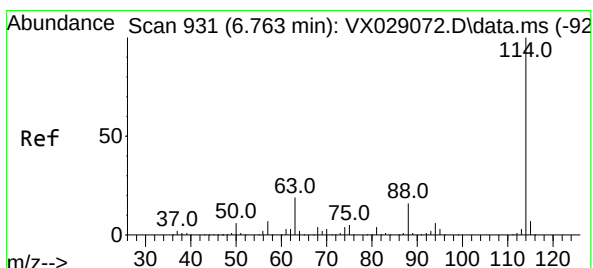
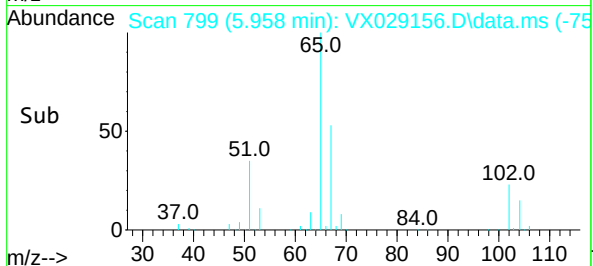
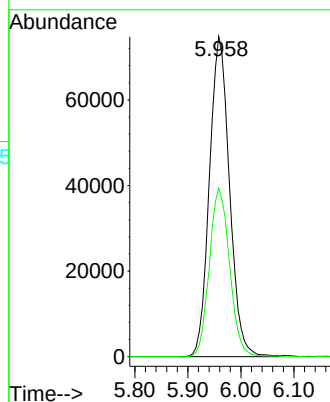
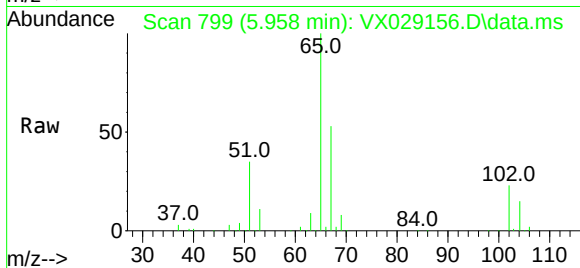
23BR-20220531

Tgt Ion: 65 Resp: 196837

Ion Ratio Lower Upper

65 100

67 53.0 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: VX029156.D

Acq: 02 Jun 2022 23:42

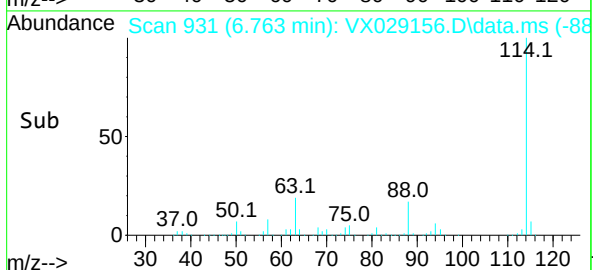
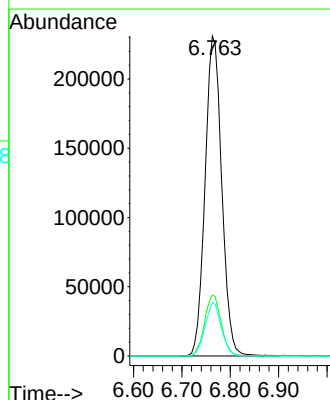
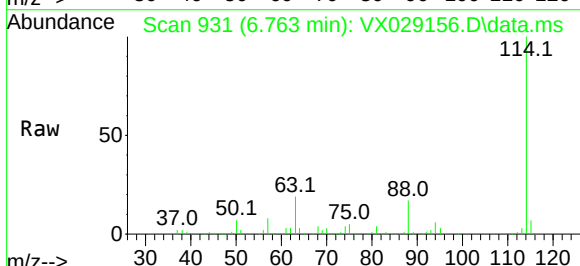
Tgt Ion: 114 Resp: 553632

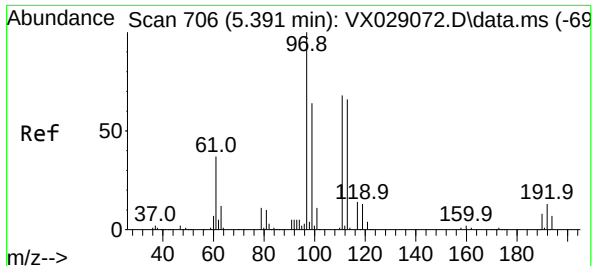
Ion Ratio Lower Upper

114 100

63 19.1 0.0 36.8

88 16.7 0.0 32.4

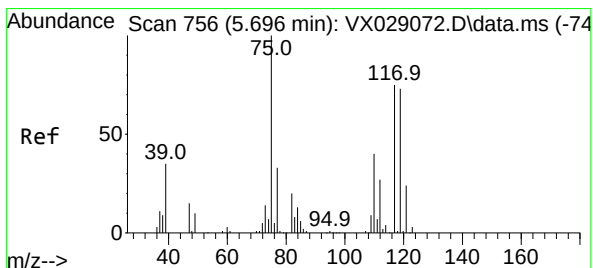
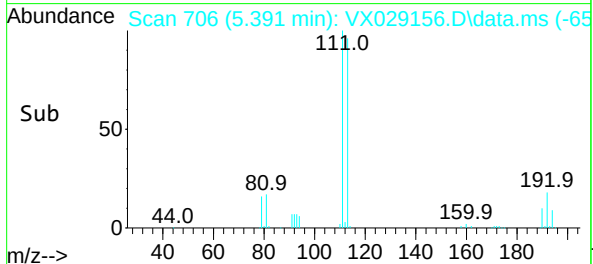
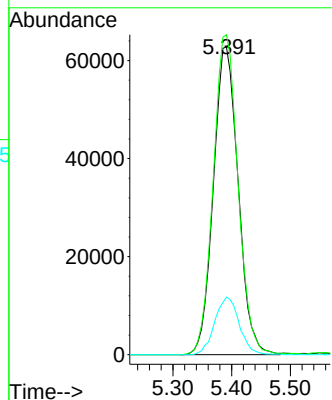
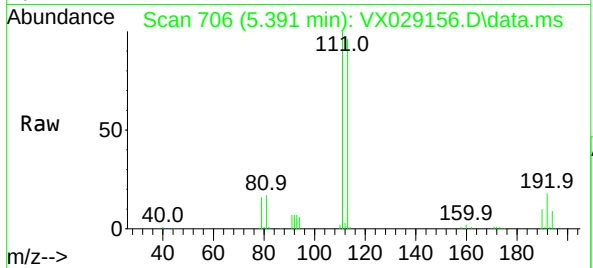




#35
Dibromofluoromethane
Concen: 50.102 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

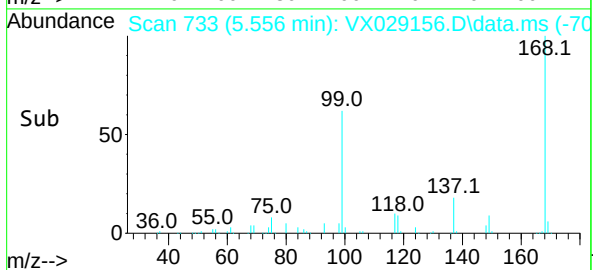
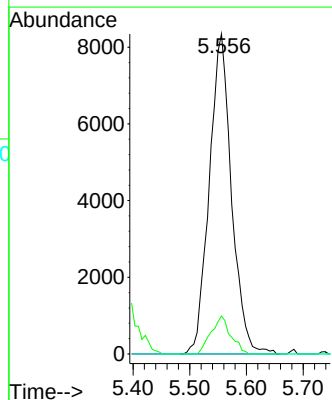
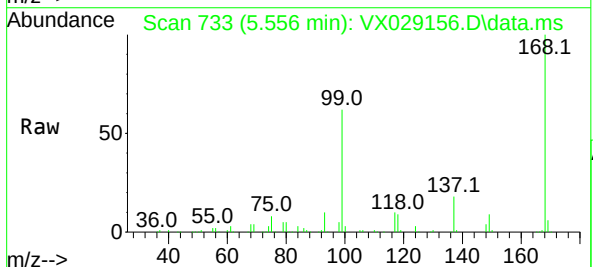
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

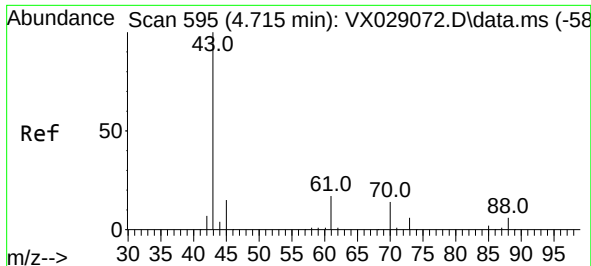
Tgt Ion:113 Resp: 184242
Ion Ratio Lower Upper
113 100
111 104.0 82.8 124.2
192 18.5 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.803 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 75 Resp: 22725
Ion Ratio Lower Upper
75 100
110 10.4 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.314 ug/l

RT: 4.733 min Scan# 595

Delta R.T. 0.018 min

Lab File: VX029156.D

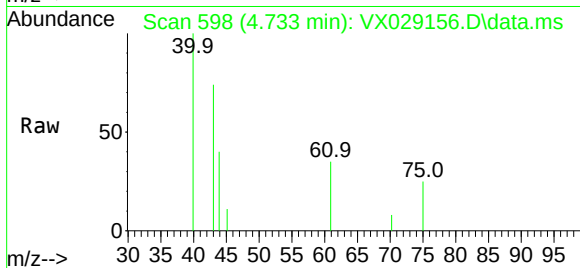
Acq: 02 Jun 2022 23:42

Instrument :

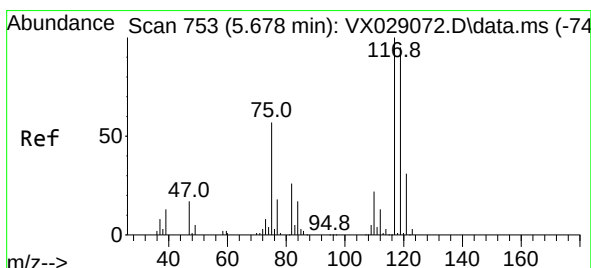
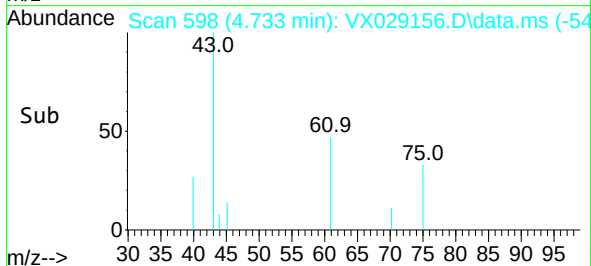
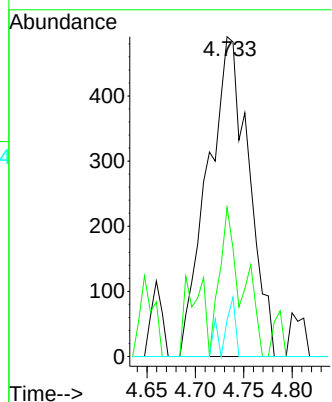
MSVOA_X

ClientSampleId :

23BR-20220531



Tgt Ion: 43	Resp: 1441
Ion Ratio	Lower Upper
43 100	
61 25.7	12.6 19.0#
70 5.2	10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.753 ug/l

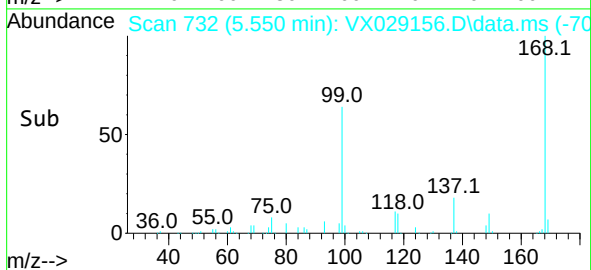
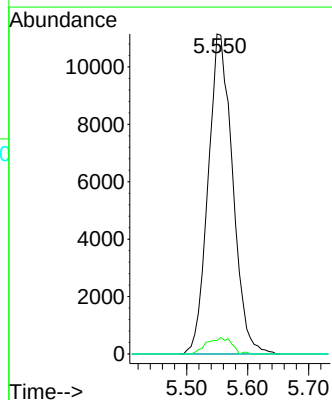
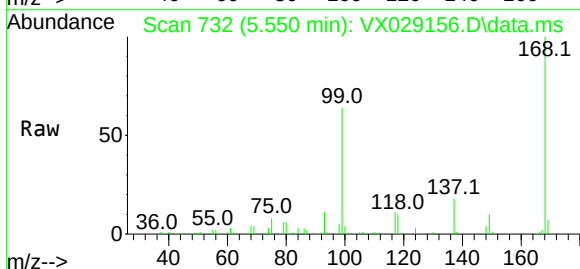
RT: 5.550 min Scan# 732

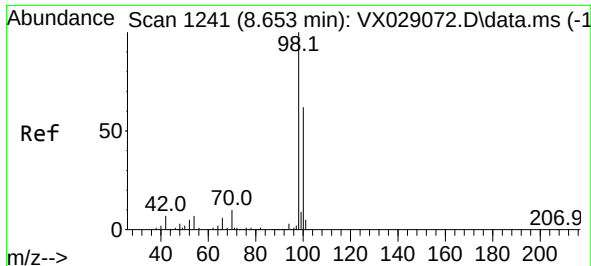
Delta R.T. -0.128 min

Lab File: VX029156.D

Acq: 02 Jun 2022 23:42

Tgt Ion: 117	Resp: 31110
Ion Ratio	Lower Upper
117 100	
119 4.2	77.3 115.9#
121 0.0	24.2 36.2#

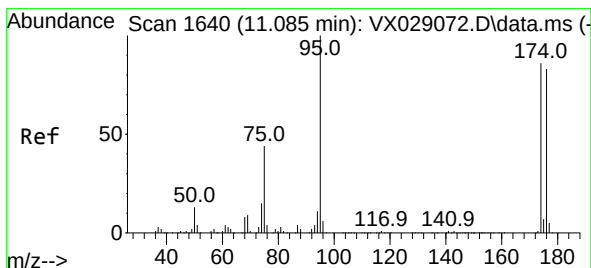
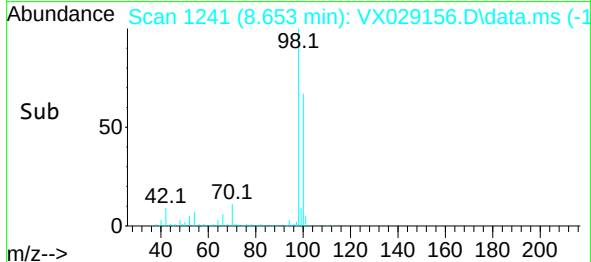
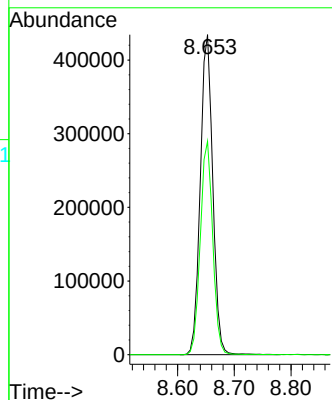
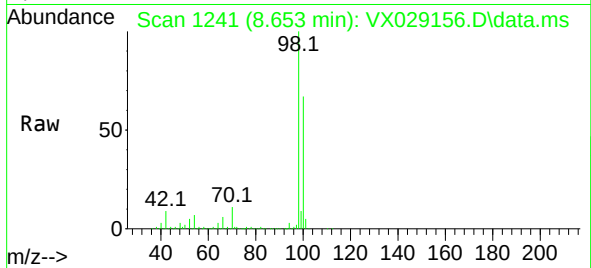




#50
Toluene-d8
Concen: 49.133 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

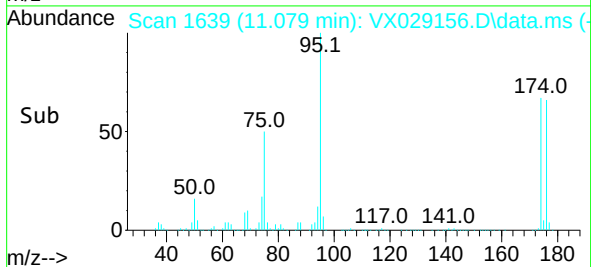
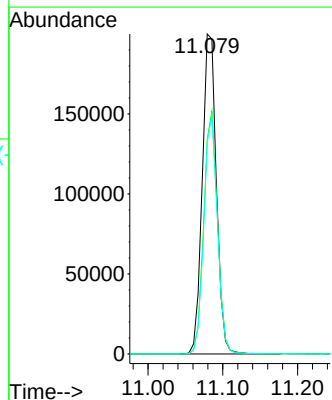
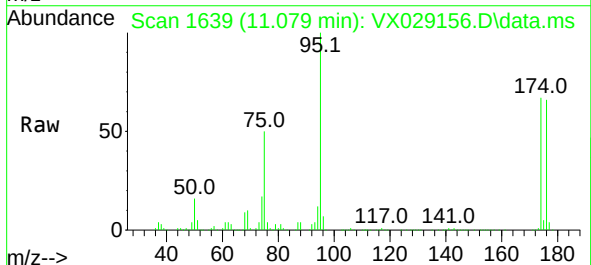
Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

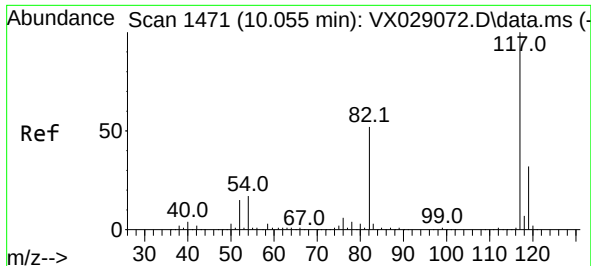
Tgt Ion: 98 Resp: 660823
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 50.388 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 95 Resp: 261967
Ion Ratio Lower Upper
95 100
174 73.9 0.0 163.0
176 71.8 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: VX029156.D

Acq: 02 Jun 2022 23:42

Instrument :

MSVOA_X

ClientSampleId :

23BR-20220531

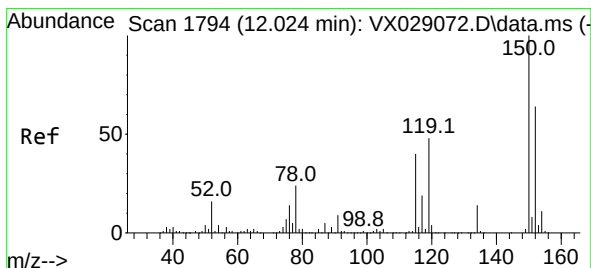
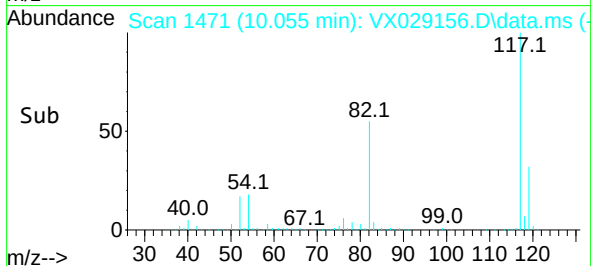
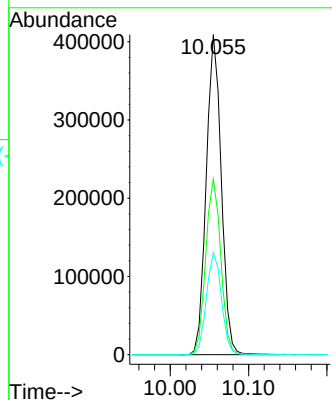
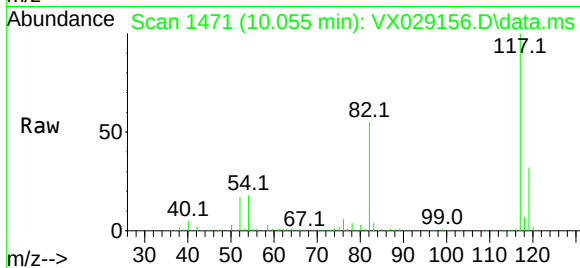
Tgt Ion:117 Resp: 544127

Ion Ratio Lower Upper

117 100

82 54.9 41.8 62.8

119 31.9 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: VX029156.D

Acq: 02 Jun 2022 23:42

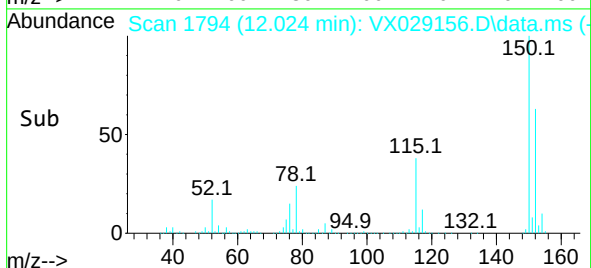
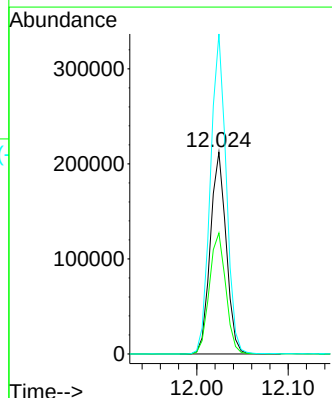
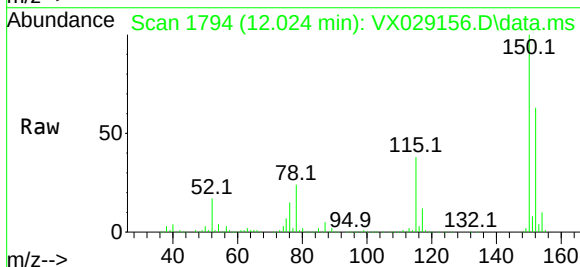
Tgt Ion:152 Resp: 255417

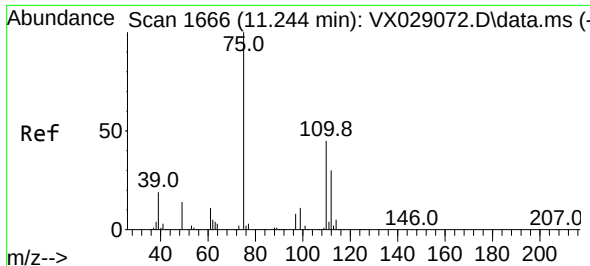
Ion Ratio Lower Upper

152 100

115 62.2 37.5 112.7

150 157.9 0.0 338.2

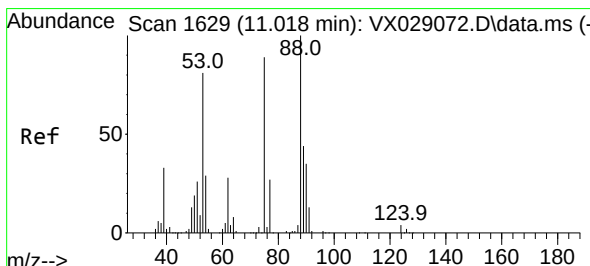
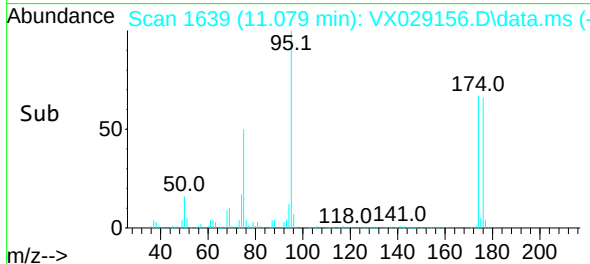
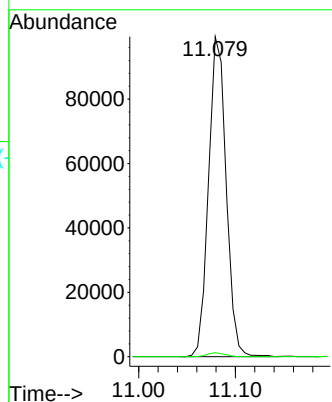
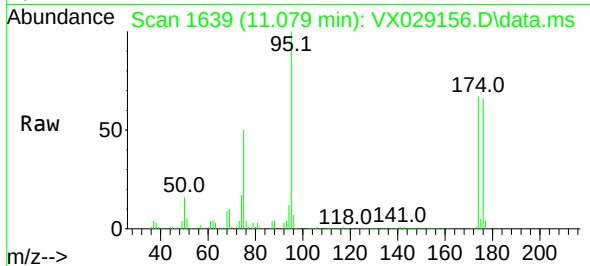




#76
1,2,3-Trichloropropane
Concen: 24.349 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Instrument :
MSVOA_X
ClientSampleId :
23BR-20220531

Tgt Ion: 75 Resp: 126074
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 71.436 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029156.D
Acq: 02 Jun 2022 23:42

Tgt Ion: 75 Resp: 126074
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

