

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029153.D
 Acq On : 02 Jun 2022 22:32
 Operator : JC/MD
 Sample : N3164-01 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

Quant Time: Jun 03 04:35:06 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)

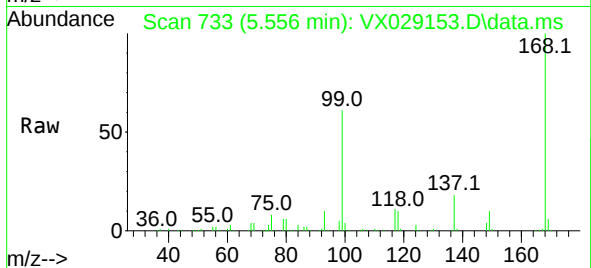
Internal Standards						
1) Pentafluorobenzene	5.556	168	317088	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	580175	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	564453	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	268536	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	200700	56.130	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 112.260%			
35) Dibromofluoromethane	5.391	113	191030	49.571	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 99.140%			
50) Toluene-d8	8.653	98	681089	48.323	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 96.640%			
62) 4-Bromofluorobenzene	11.085	95	272475	50.012	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.020%			
Target Compounds						Qvalue
5) Bromomethane	1.611	94	893	Below Cal		95
6) Chloroethane	1.660	64	768	1.673 ug/l #		43
10) Methyl Iodide	2.453	142	1538	4.620 ug/l #		93
11) Tert butyl alcohol	2.946	59	20844	25.164 ug/l #		75
15) Acrylonitrile	3.087	53	468	0.274 ug/l #		67
16) Acetone	2.380	43	1951	1.386 ug/l		91
17) Carbon Disulfide	2.514	76	2814	0.359 ug/l #		89
18) Methyl Acetate	2.709	43	844	0.232 ug/l #		68
20) Methylene Chloride	2.794	84	975	0.297 ug/l #		76
21) trans-1,2-Dichloroethene	3.099	96	692	0.215 ug/l #		74
25) 2-Butanone	4.580	43	748	0.329 ug/l #		44
27) cis-1,2-Dichloroethene	4.495	96	3475	0.904 ug/l		84
31) Cyclohexane	5.550	56	5840	1.256 ug/l #		1
36) 1,1-Dichloropropene	5.556	75	24793	5.000 ug/l #		51
37) Ethyl Acetate	4.721	43	17394	3.620 ug/l		99
38) Carbon Tetrachloride	5.556	117	32453	5.727 ug/l #		15
44) Trichloroethene	7.129	130	1655	Below Cal		97
76) 1,2,3-Trichloropropane	11.079	75	130455	23.964 ug/l #		38
81) trans-1,4-Dichloro-2-b...	11.079	75	130455	70.307 ug/l #		15
93) 1,2,4-Trichlorobenzene	13.591	180	1448	0.260 ug/l		90
94) Hexachlorobutadiene	13.725	225	1014	Below Cal		83
95) Naphthalene	13.780	128	4372	0.245 ug/l		96
96) 1,2,3-Trichlorobenzene	13.963	180	1423	0.259 ug/l		84

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

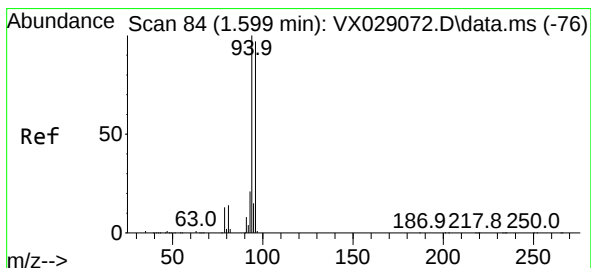
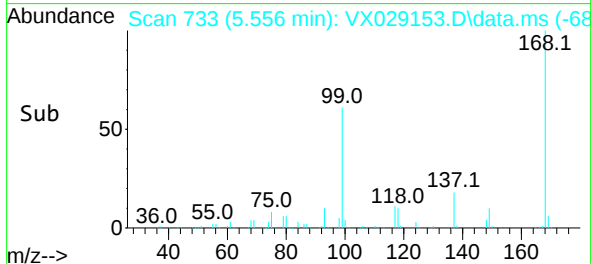
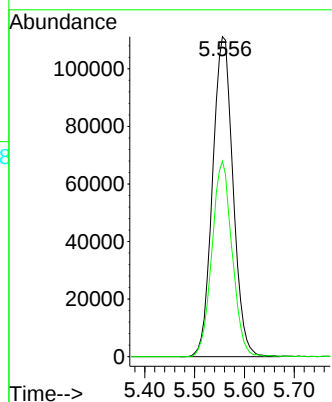


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

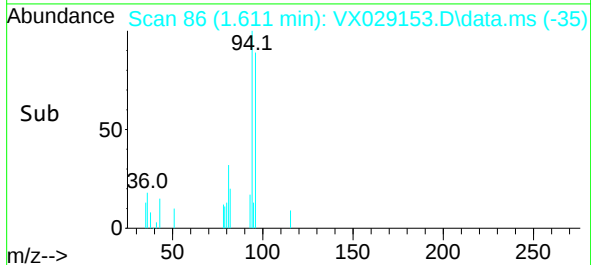
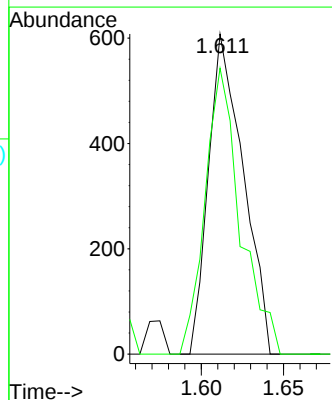
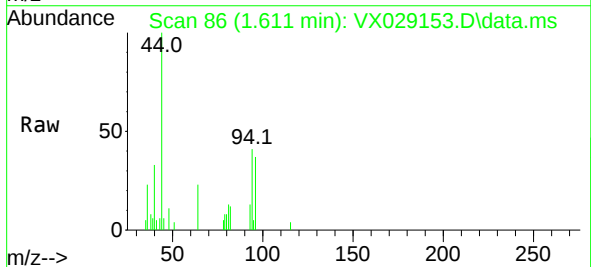


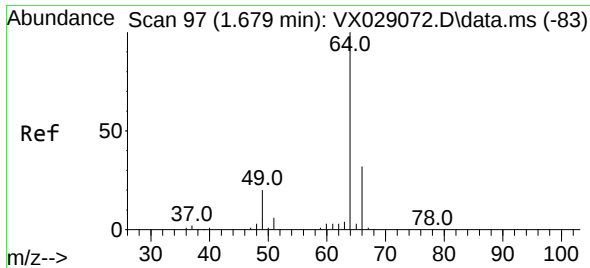
Tgt Ion:168 Resp: 317088
Ion Ratio Lower Upper
168 100
99 61.1 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 94 Resp: 893
Ion Ratio Lower Upper
94 100
96 89.3 75.3 112.9

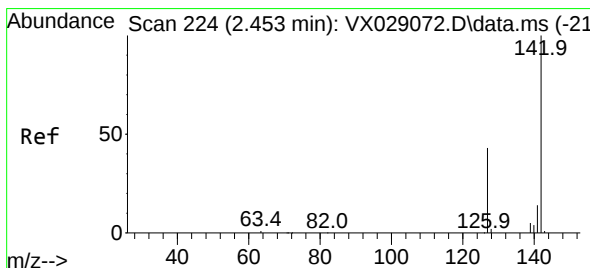
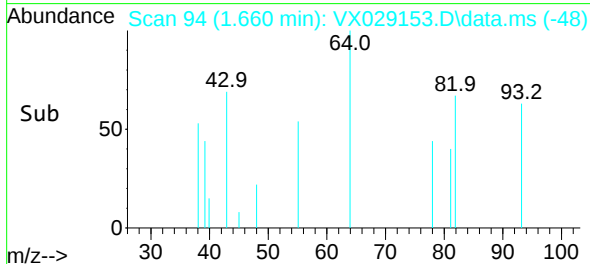
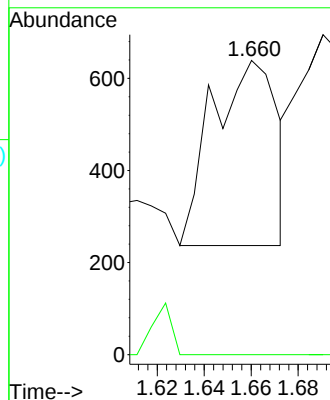
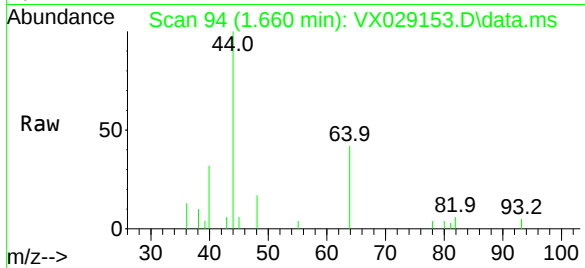




#6
Chloroethane
Concen: 1.673 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.019 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

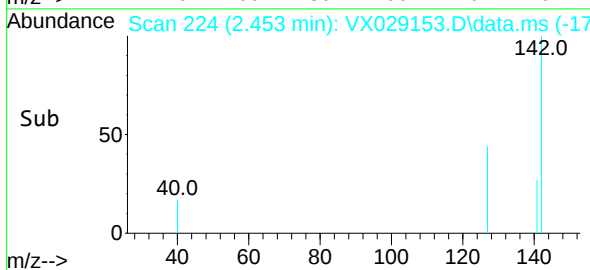
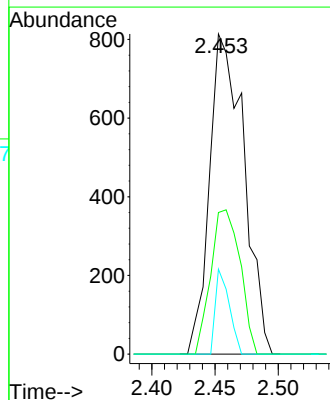
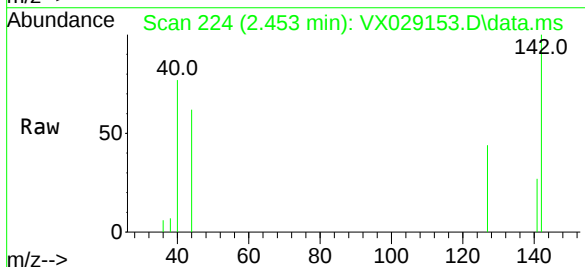
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

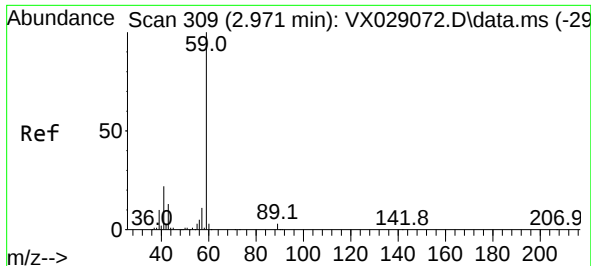
Tgt Ion: 64 Resp: 768
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.620 ug/l
RT: 2.453 min Scan# 224
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 142 Resp: 1538
Ion Ratio Lower Upper
142 100
127 38.5 33.9 50.9
141 10.7 11.4 17.2#





#11

Tert butyl alcohol

Concen: 25.164 ug/l

RT: 2.946 min Scan# 305

Delta R.T. -0.025 min

Lab File: VX029153.D

Acq: 02 Jun 2022 22:32

Instrument :

MSVOA_X

ClientSampleId :

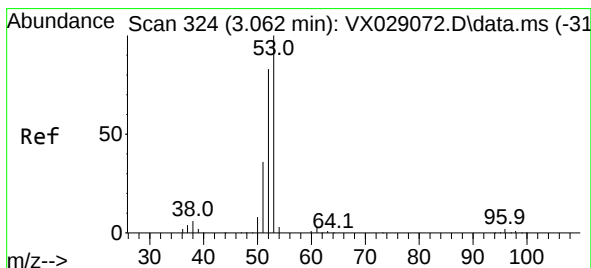
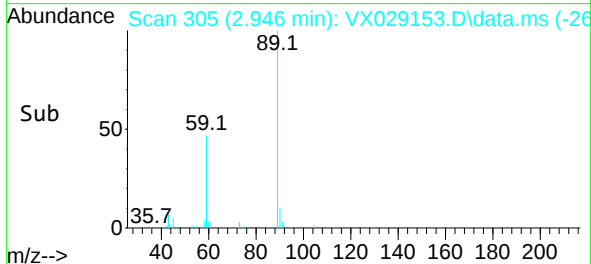
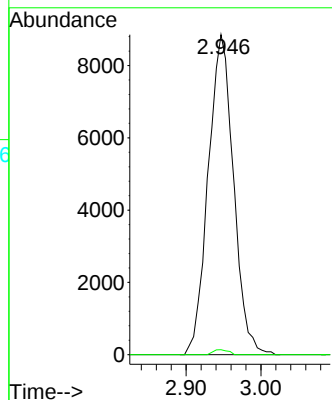
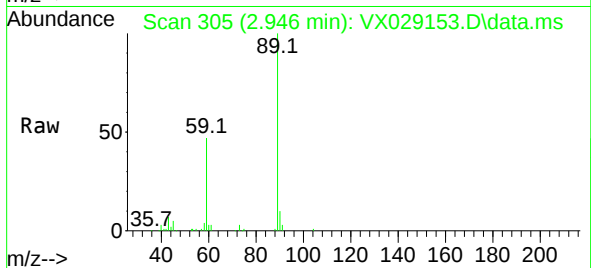
06BR-20220531

Tgt Ion: 59 Resp: 20844

Ion Ratio Lower Upper

59 100

57 0.9 8.3 12.5#



#15

Acrylonitrile

Concen: 0.274 ug/l

RT: 3.087 min Scan# 328

Delta R.T. 0.025 min

Lab File: VX029153.D

Acq: 02 Jun 2022 22:32

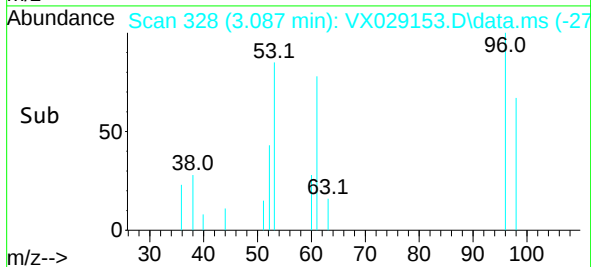
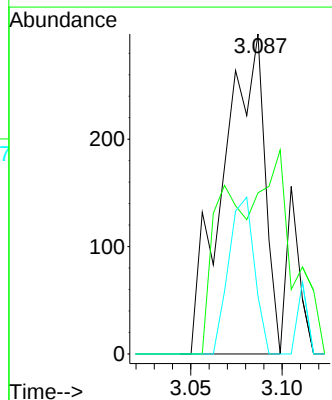
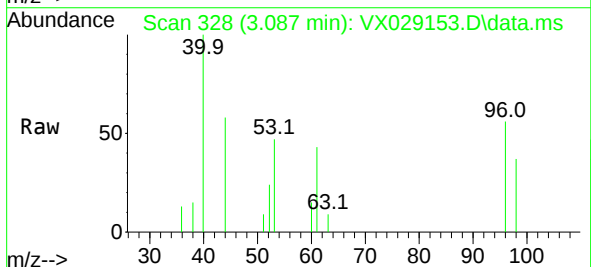
Tgt Ion: 53 Resp: 468

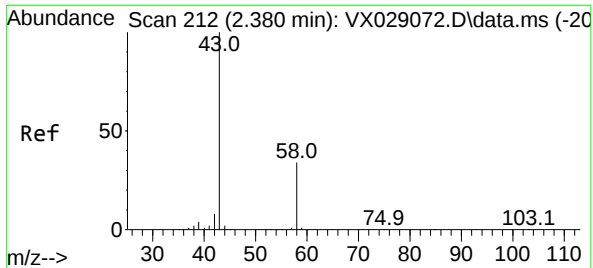
Ion Ratio Lower Upper

53 100

52 43.2 65.7 98.5#

51 30.6 28.4 42.6

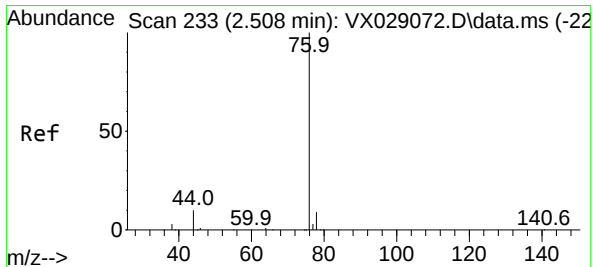
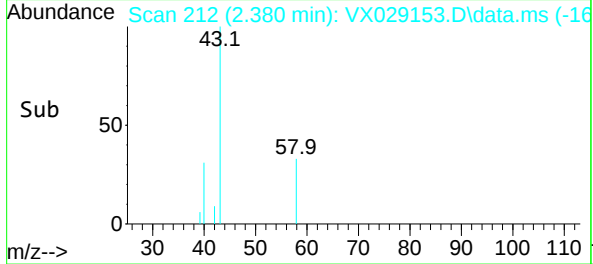
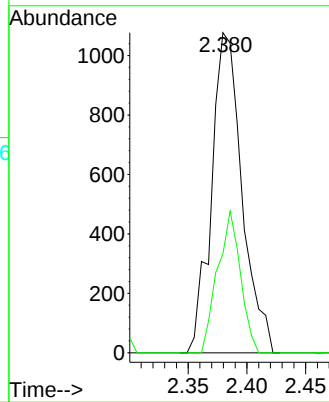
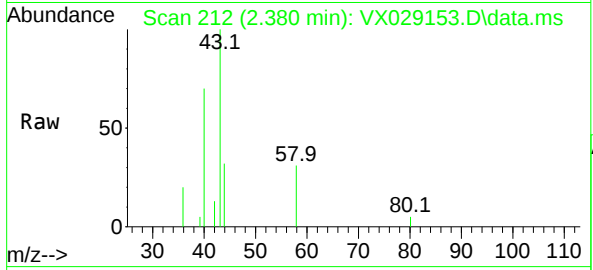




#16
Acetone
Concen: 1.386 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

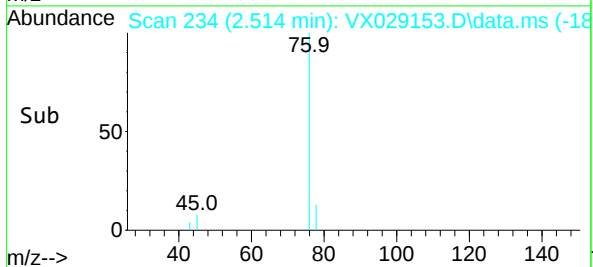
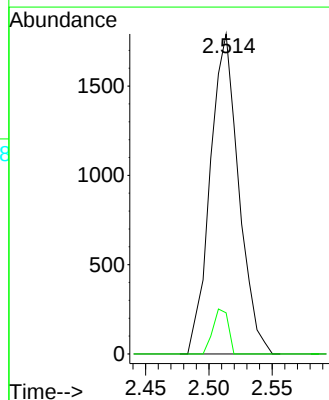
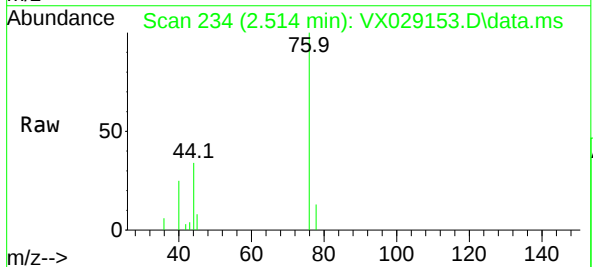
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

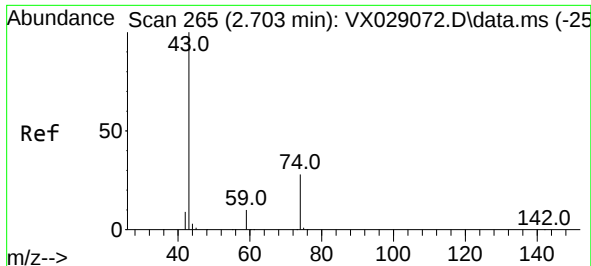
Tgt Ion: 43 Resp: 1951
Ion Ratio Lower Upper
43 100
58 30.9 28.8 43.2



#17
Carbon Disulfide
Concen: 0.359 ug/l
RT: 2.514 min Scan# 234
Delta R.T. 0.006 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 76 Resp: 2814
Ion Ratio Lower Upper
76 100
78 12.8 7.2 10.8#

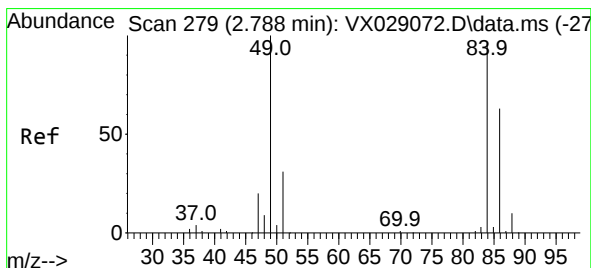
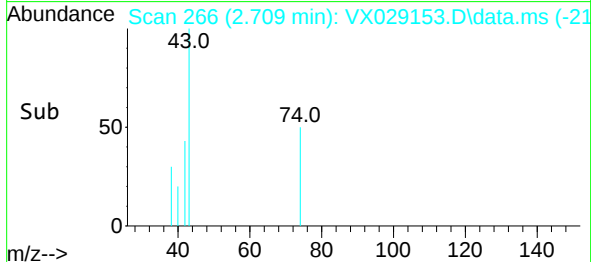
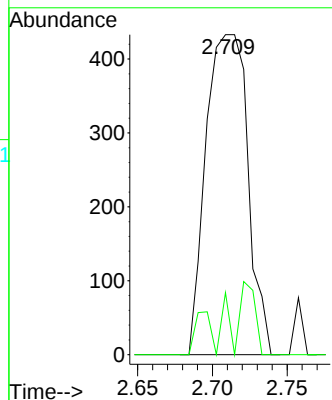
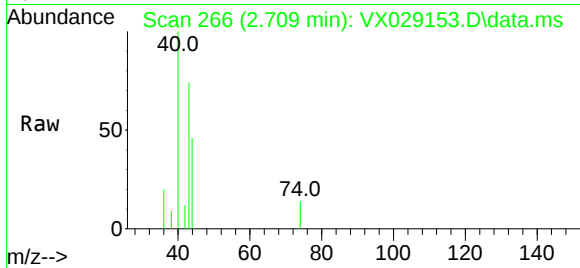




#18
Methyl Acetate
Concen: 0.232 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

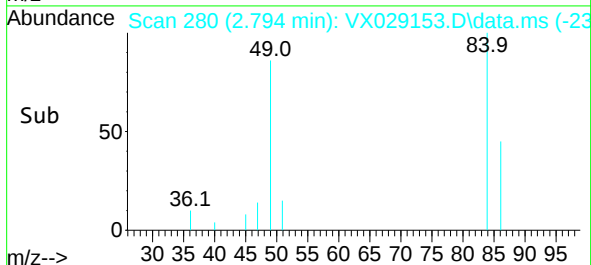
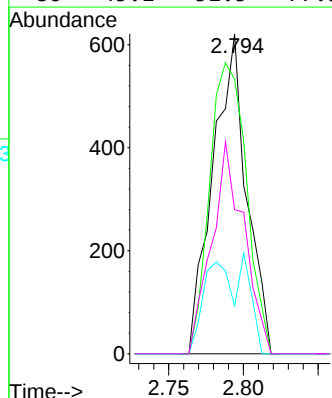
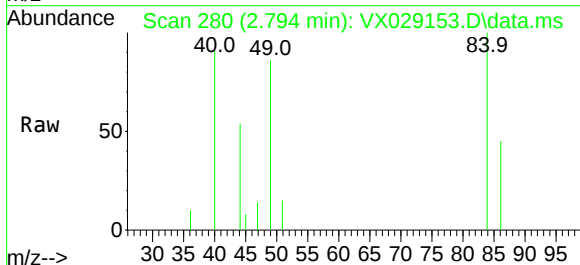
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

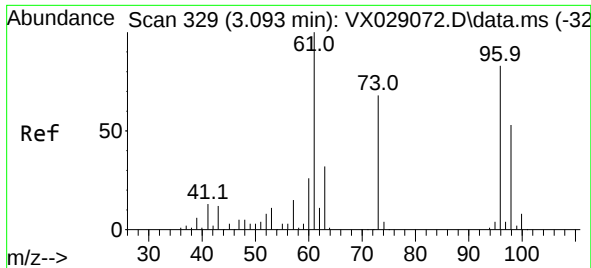
Tgt Ion: 43 Resp: 844
Ion Ratio Lower Upper
43 100
74 11.7 22.8 34.2#



#20
Methylene Chloride
Concen: 0.297 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 84 Resp: 975
Ion Ratio Lower Upper
84 100
49 85.8 85.5 128.3
51 15.0 26.6 39.8#
86 45.1 51.5 77.3#

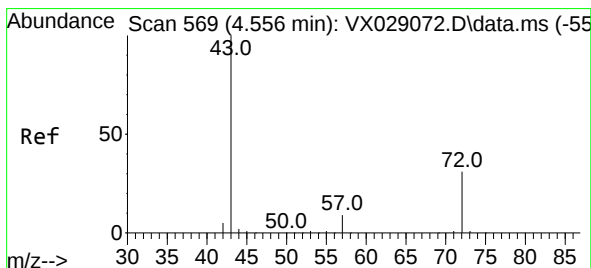
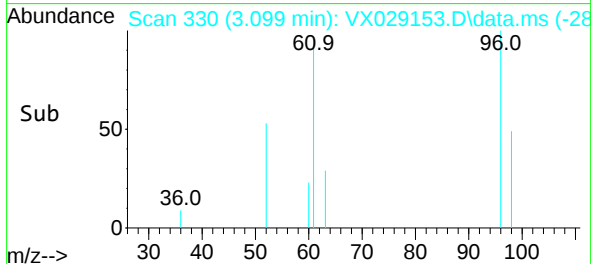
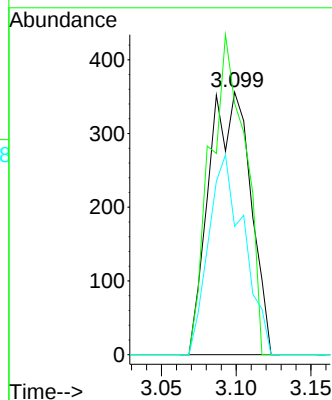
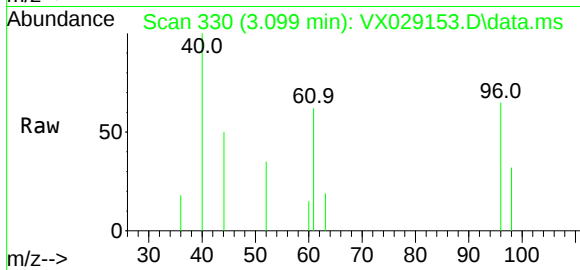




#21
trans-1,2-Dichloroethene
Concen: 0.215 ug/l
RT: 3.099 min Scan# 31
Delta R.T. 0.006 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

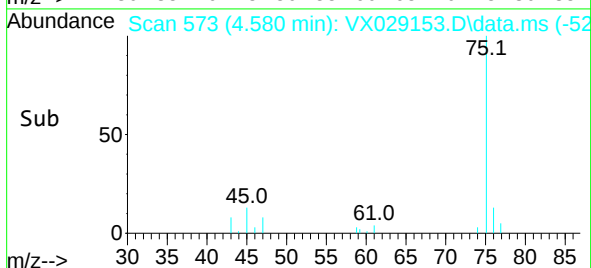
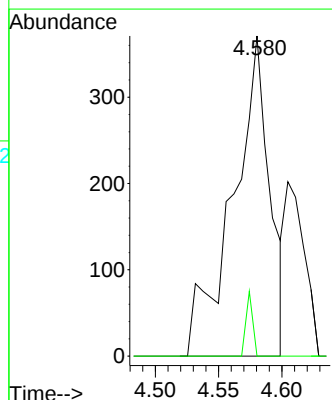
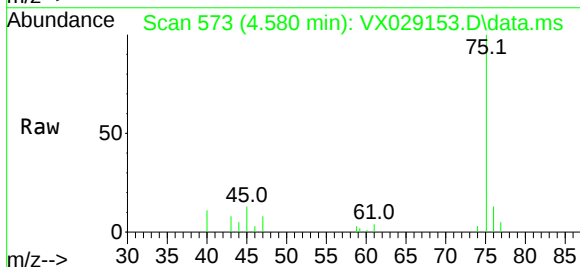
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

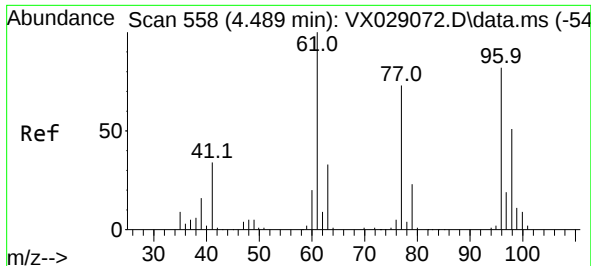
Tgt Ion: 96 Resp: 692
Ion Ratio Lower Upper
96 100
61 95.8 105.4 158.2#
98 48.9 50.0 75.0#



#25
2-Butanone
Concen: 0.329 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.024 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 43 Resp: 748
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#

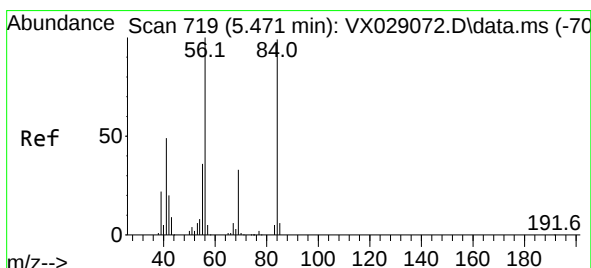
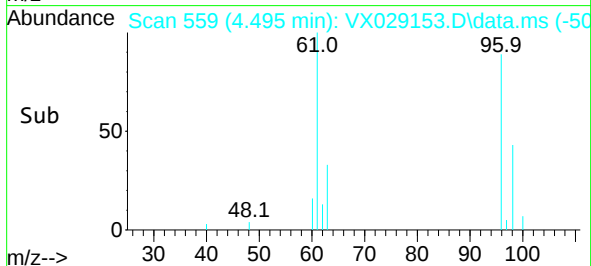
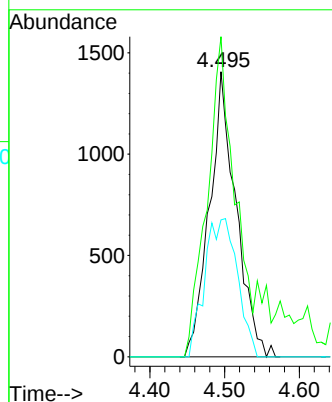
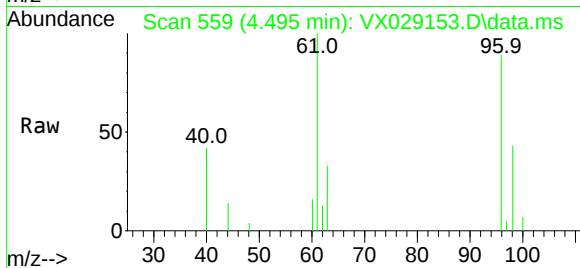




#27
 cis-1,2-Dichloroethene
 Concen: 0.904 ug/l
 RT: 4.495 min Scan# 51
 Delta R.T. 0.006 min
 Lab File: VX029153.D
 Acq: 02 Jun 2022 22:32

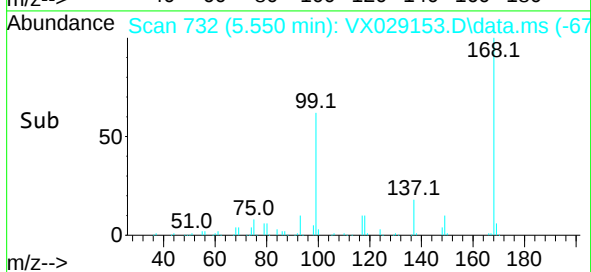
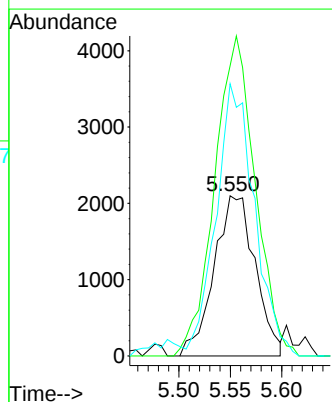
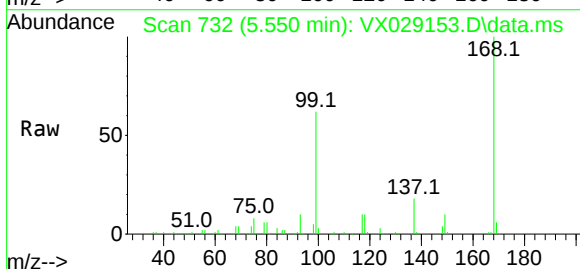
Instrument :
 MSVOA_X
 ClientSampleId :
 06BR-20220531

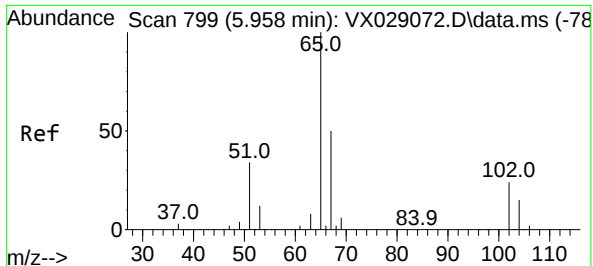
Tgt Ion: 96	Resp:	3475	
Ion	Ratio	Lower	Upper
96	100		
61	116.3	0.0	283.8
98	59.8	0.0	129.8



#31
 Cyclohexane
 Concen: 1.256 ug/l
 RT: 5.550 min Scan# 732
 Delta R.T. 0.079 min
 Lab File: VX029153.D
 Acq: 02 Jun 2022 22:32

Tgt Ion: 56	Resp:	5840	
Ion	Ratio	Lower	Upper
56	100		
69	176.6	26.7	40.1#
84	164.0	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 56.130 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029153.D

Acq: 02 Jun 2022 22:32

Instrument :

MSVOA_X

ClientSampleId :

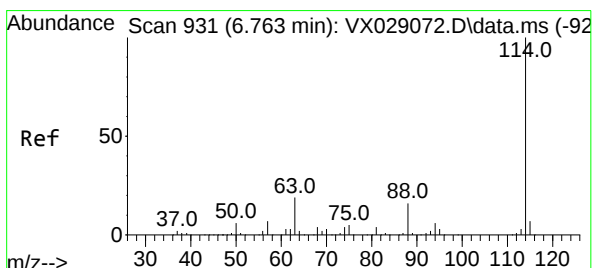
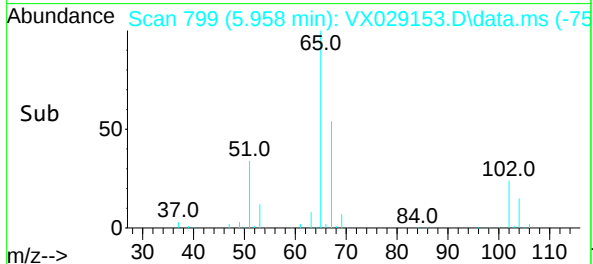
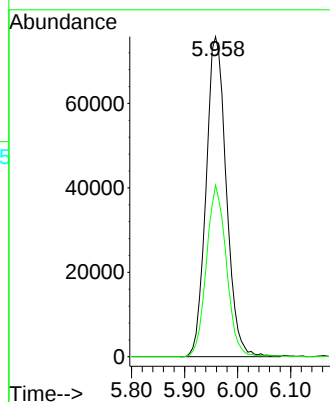
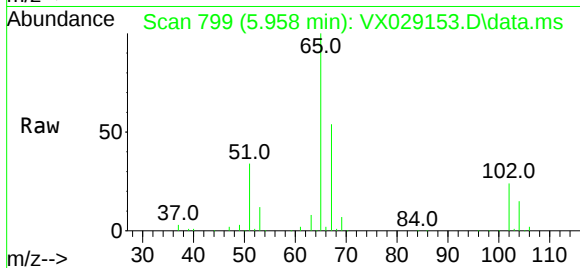
06BR-20220531

Tgt Ion: 65 Resp: 200700

Ion Ratio Lower Upper

65 100

67 52.7 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: VX029153.D

Acq: 02 Jun 2022 22:32

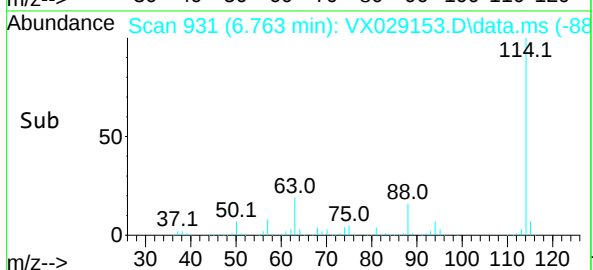
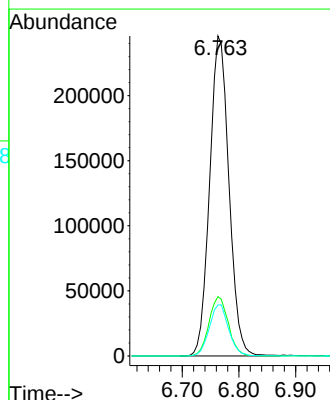
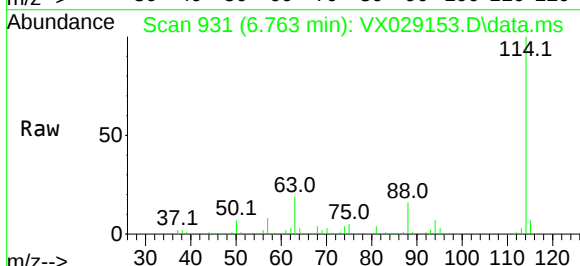
Tgt Ion: 114 Resp: 580175

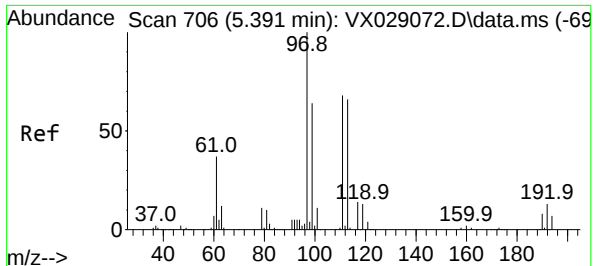
Ion Ratio Lower Upper

114 100

63 18.5 0.0 36.8

88 15.9 0.0 32.4

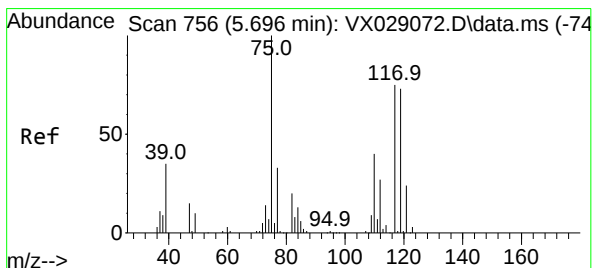
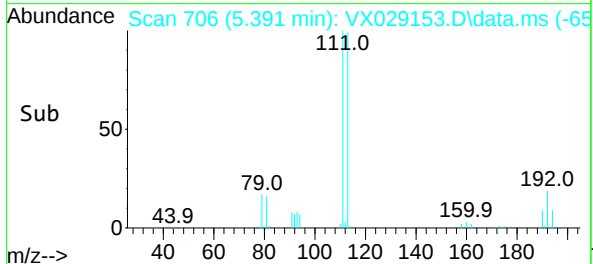
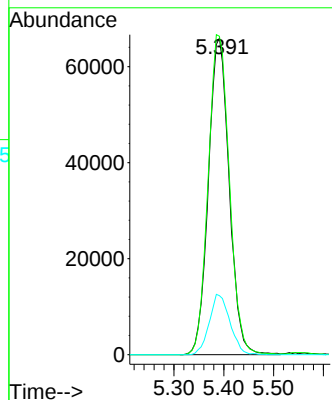
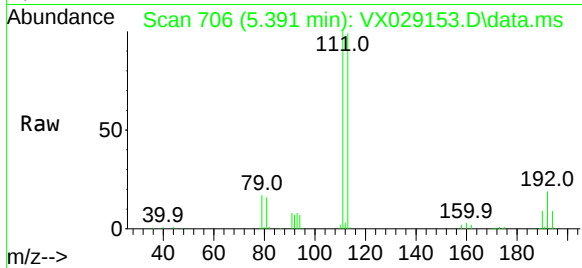




#35
Dibromofluoromethane
Concen: 49.571 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

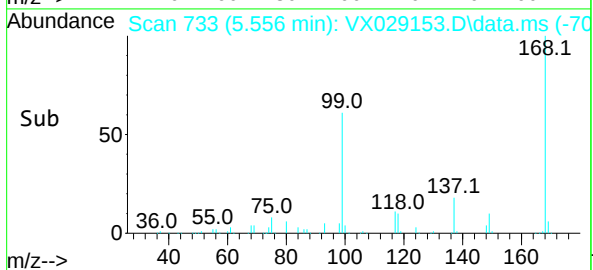
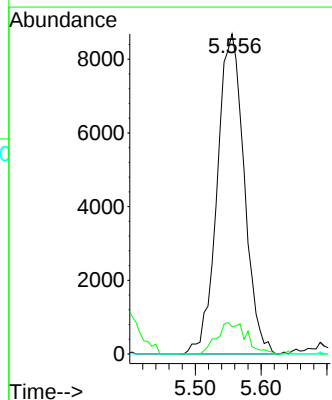
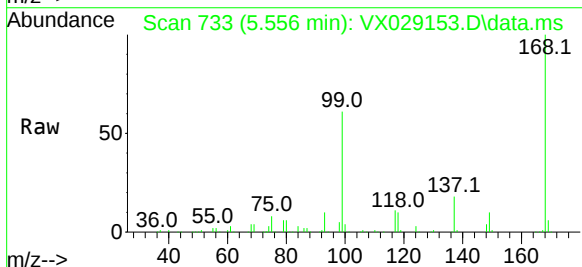
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

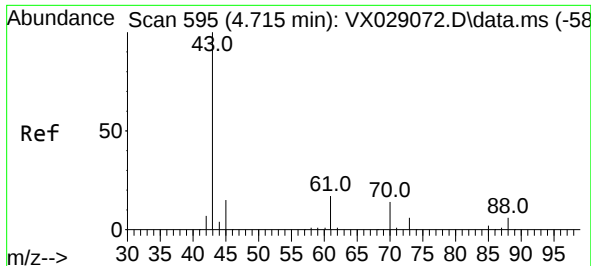
Tgt Ion:113 Resp: 191030
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 18.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.000 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 75 Resp: 24793
Ion Ratio Lower Upper
75 100
110 10.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 3.620 ug/l

RT: 4.721 min Scan# 595

Delta R.T. 0.006 min

Lab File: VX029153.D

Acq: 02 Jun 2022 22:32

Instrument :

MSVOA_X

ClientSampleId :

06BR-20220531

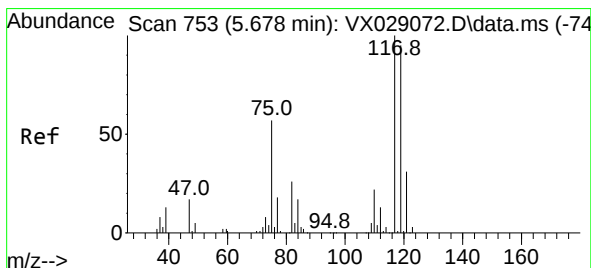
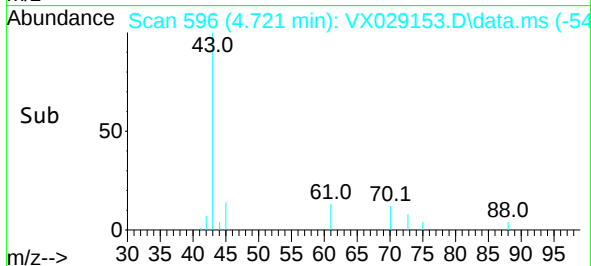
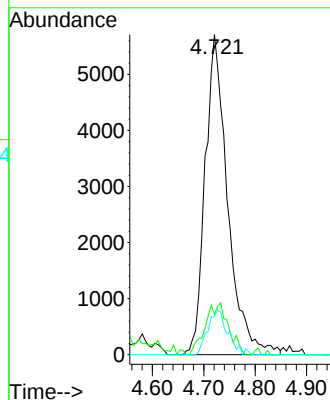
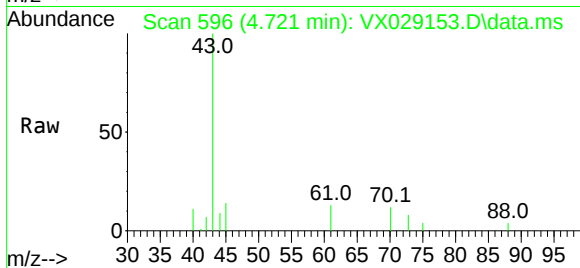
Tgt Ion: 43 Resp: 17394

Ion Ratio Lower Upper

43 100

61 16.7 12.6 19.0

70 12.4 10.2 15.2



#38

Carbon Tetrachloride

Concen: 5.727 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX029153.D

Acq: 02 Jun 2022 22:32

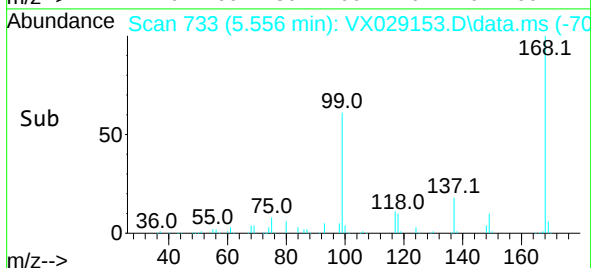
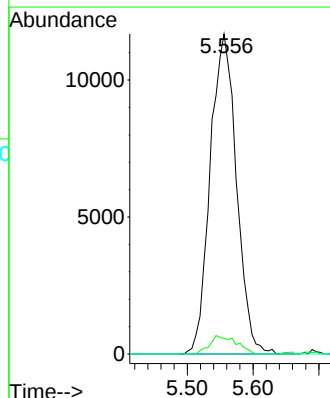
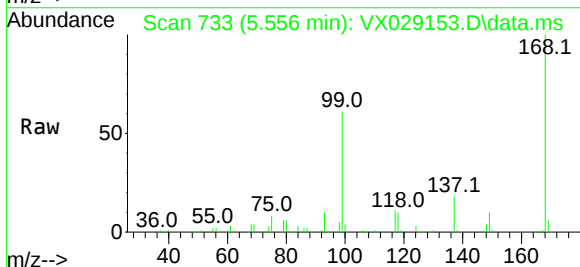
Tgt Ion: 117 Resp: 32453

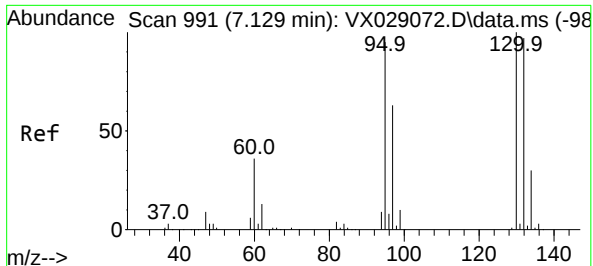
Ion Ratio Lower Upper

117 100

119 4.8 77.3 115.9#

121 0.0 24.2 36.2#

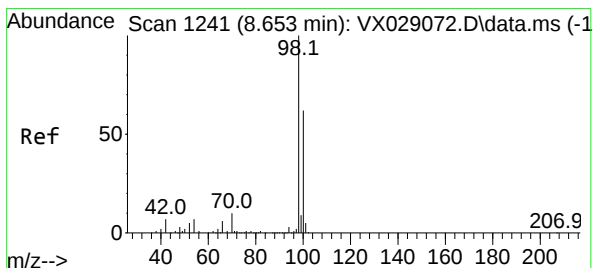
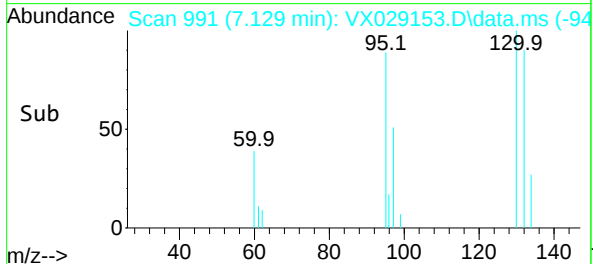
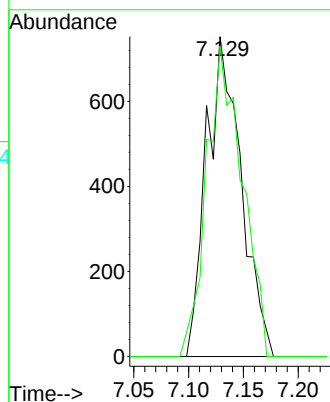
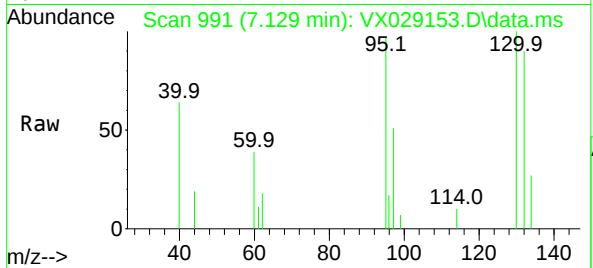




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

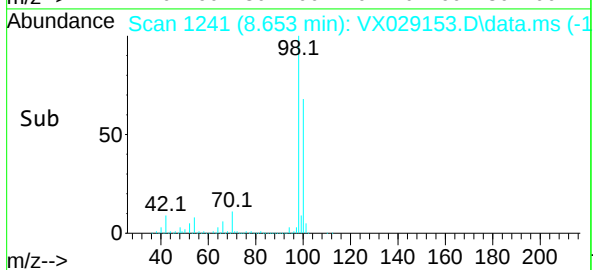
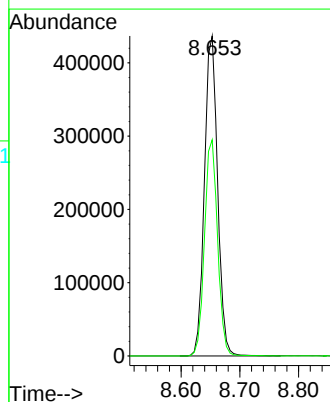
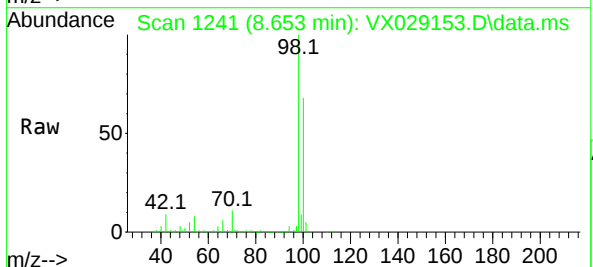
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

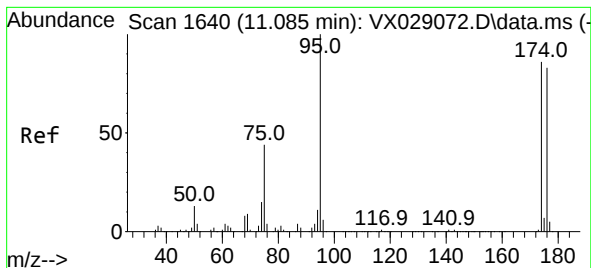
Tgt Ion:130 Resp: 1655
Ion Ratio Lower Upper
130 100
95 97.1 0.0 188.8



#50
Toluene-d8
Concen: 48.323 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 98 Resp: 681089
Ion Ratio Lower Upper
98 100
100 67.1 52.6 78.8

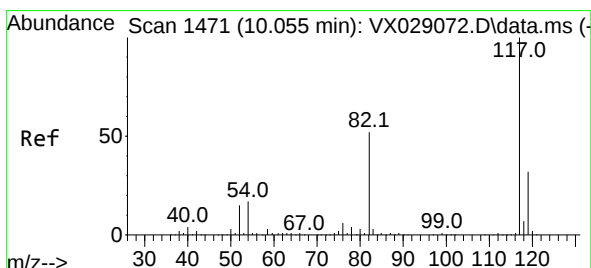
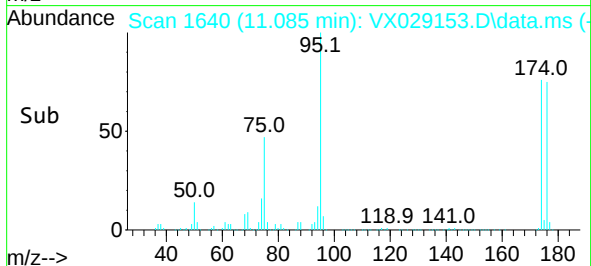
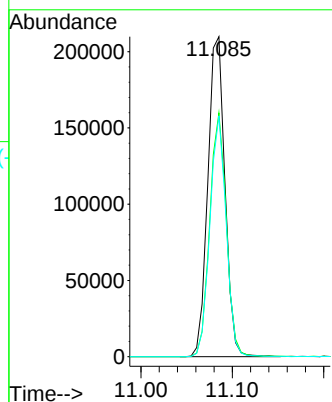
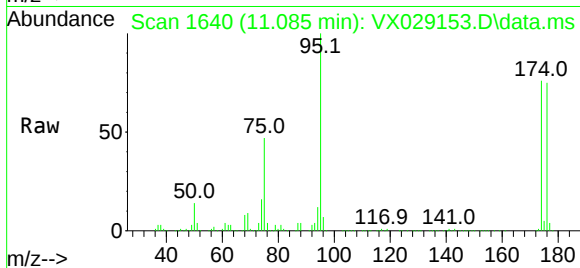




#62
4-Bromofluorobenzene
Concen: 50.012 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

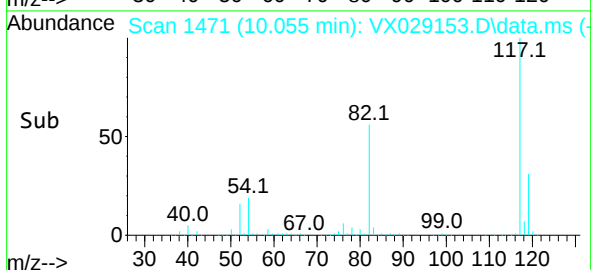
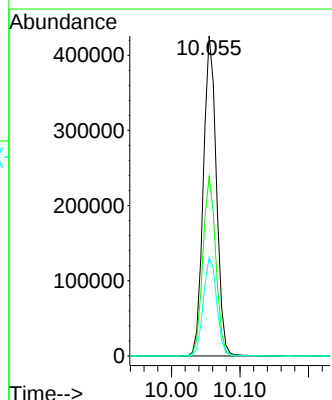
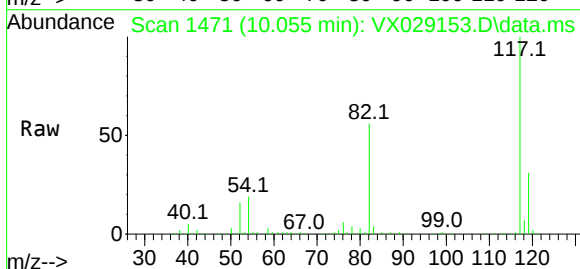
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

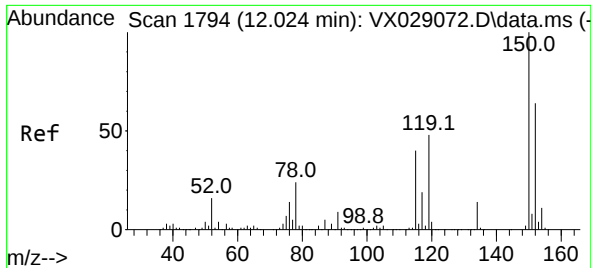
Tgt Ion: 95 Resp: 272475
Ion Ratio Lower Upper
95 100
174 74.0 0.0 163.0
176 71.5 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 117 Resp: 564453
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 30.8 24.8 37.2

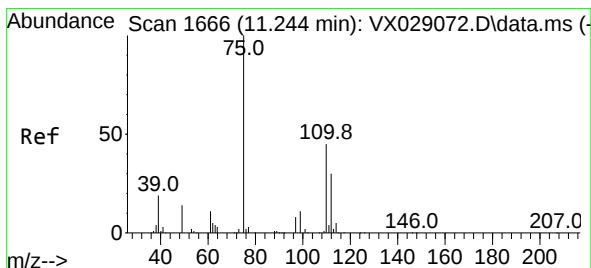
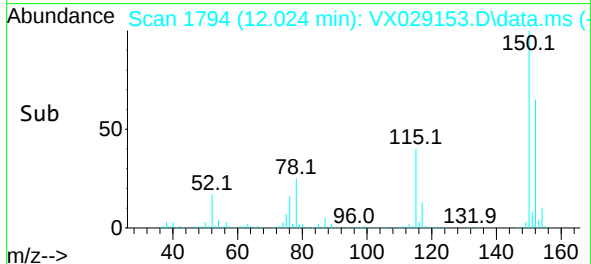
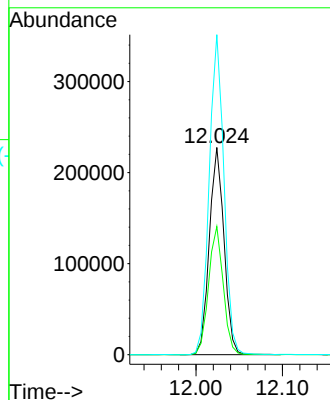
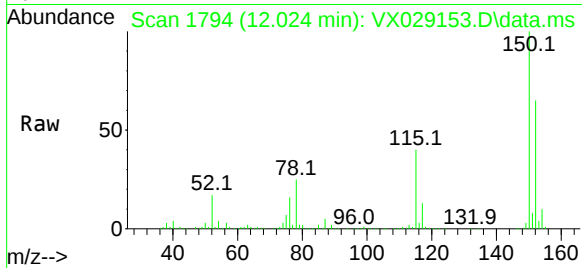




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

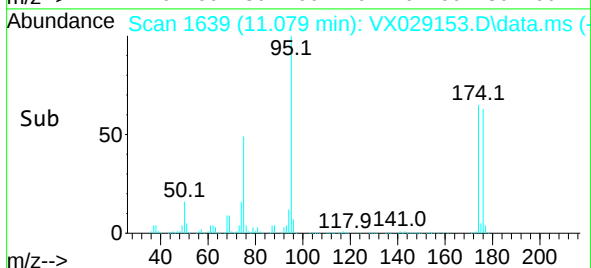
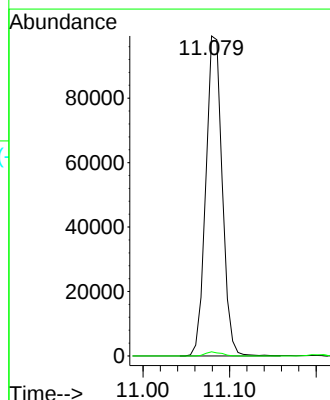
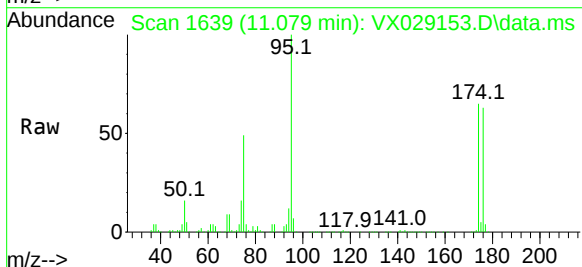
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

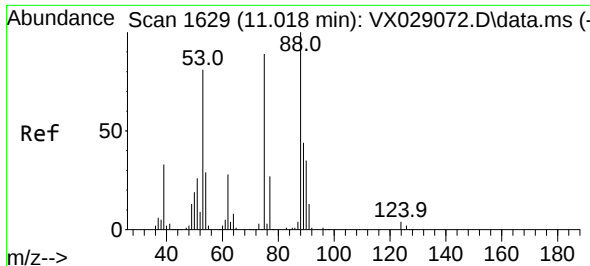
Tgt Ion:152 Resp: 268536
Ion Ratio Lower Upper
152 100
115 61.6 37.5 112.7
150 154.6 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 23.964 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion: 75 Resp: 130455
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#

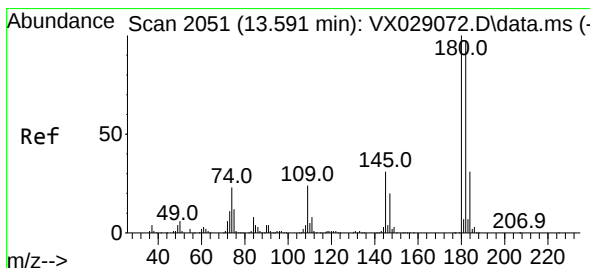
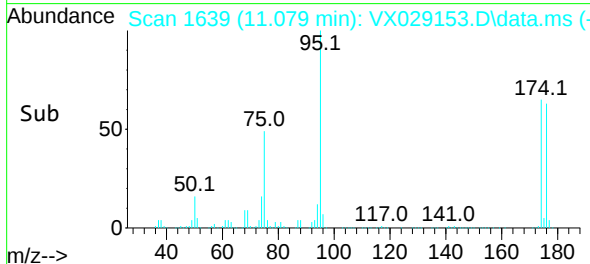
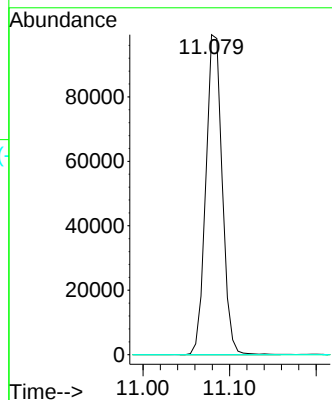
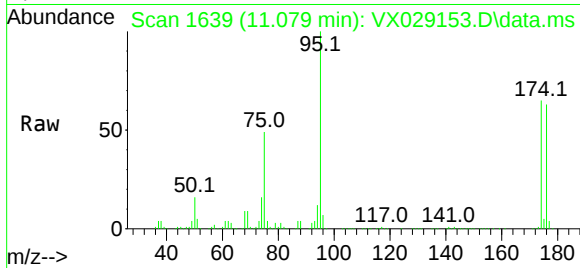




#81
trans-1,4-Dichloro-2-butene
Concen: 70.307 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

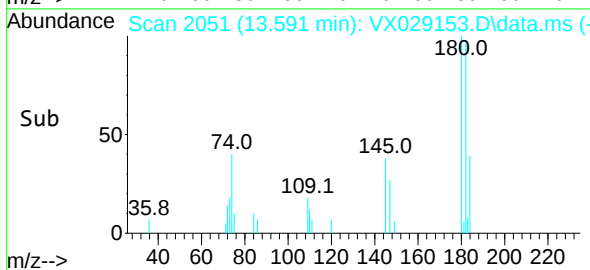
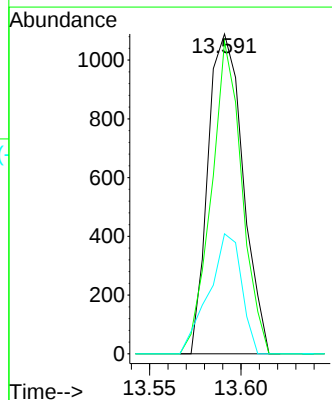
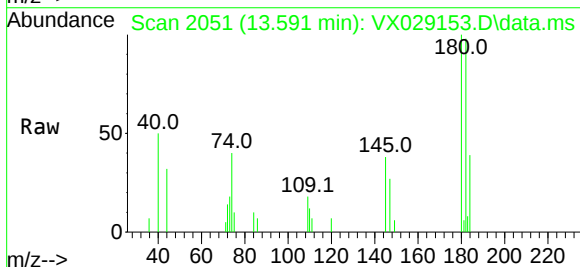
Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

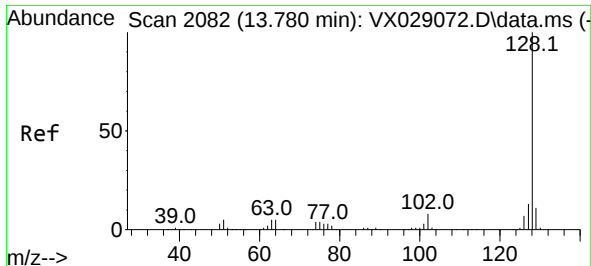
Tgt Ion: 75 Resp: 130455
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#93
1,2,4-Trichlorobenzene
Concen: 0.260 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion:180 Resp: 1448
Ion Ratio Lower Upper
180 100
182 85.6 47.7 143.1
145 35.2 15.2 45.5

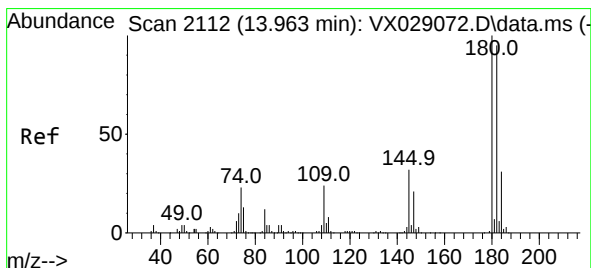
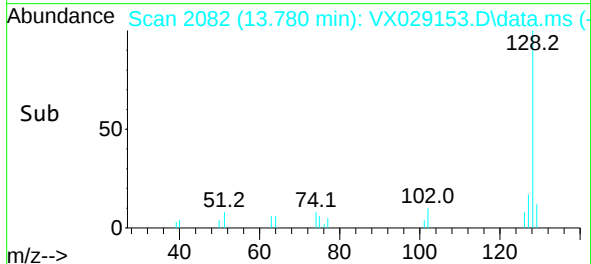
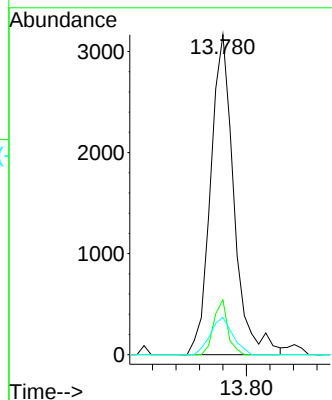
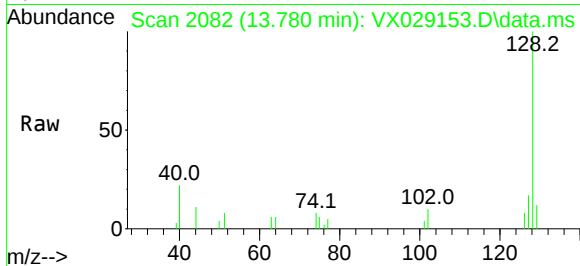




#95
Naphthalene
Concen: 0.245 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Instrument :
MSVOA_X
ClientSampleId :
06BR-20220531

Tgt Ion:128 Resp: 4372
Ion Ratio Lower Upper
128 100
127 10.2 10.2 15.4
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 0.259 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. -0.000 min
Lab File: VX029153.D
Acq: 02 Jun 2022 22:32

Tgt Ion:180 Resp: 1423
Ion Ratio Lower Upper
180 100
182 118.0 50.0 149.8
145 37.3 16.2 48.5

