

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060222\
 Data File : VX029158.D
 Acq On : 03 Jun 2022 00:29
 Operator : JC/MD
 Sample : N3164-06 50X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 28BR-20220531

Quant Time: Jun 03 04:35:59 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)

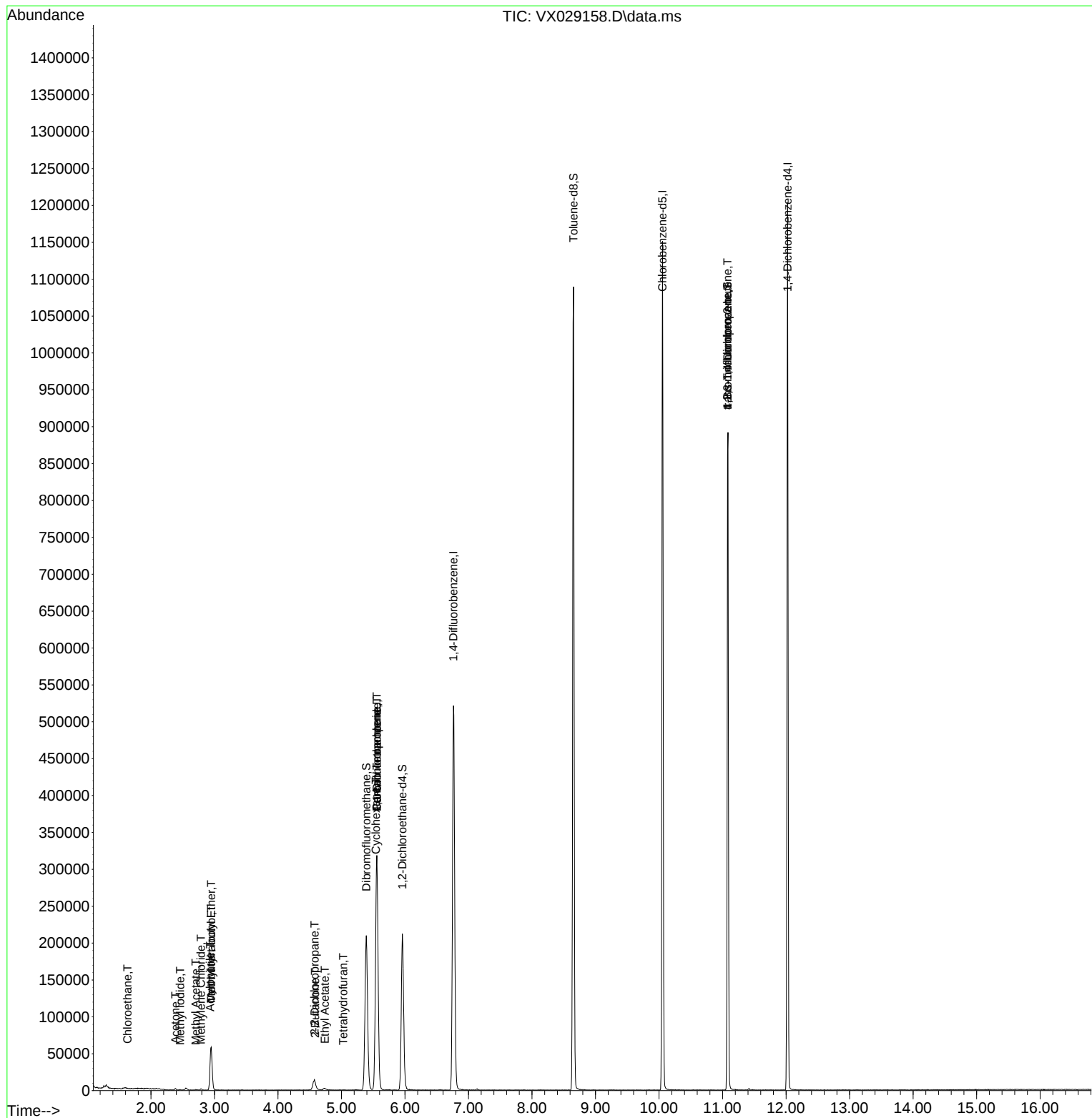
Internal Standards						
1) Pentafluorobenzene	5.556	168	297822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	555932	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	538451	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	243803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	197113	58.693	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	117.380%
35) Dibromofluoromethane	5.391	113	186316	50.456	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.920%
50) Toluene-d8	8.653	98	659885	48.861	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.720%
62) 4-Bromofluorobenzene	11.079	95	255604	48.961	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	97.920%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	742	Below Cal	#	54
6) Chloroethane	1.630	64	443	1.570	ug/l #	43
10) Methyl Iodide	2.459	142	543	4.375	ug/l #	86
11) Tert butyl alcohol	2.947	59	34350	44.153	ug/l #	76
15) Acrylonitrile	2.934	53	493	0.308	ug/l #	23
16) Acetone	2.386	43	2227	1.684	ug/l	89
18) Methyl Acetate	2.703	43	702	0.205	ug/l #	70
19) Methyl tert-butyl Ether	2.947	73	2097	0.230	ug/l #	89
20) Methylene Chloride	2.788	84	806	0.261	ug/l	96
25) 2-Butanone	4.586	43	903	0.423	ug/l #	44
26) 2,2-Dichloropropane	4.574	77	1279	0.313	ug/l #	52
29) Tetrahydrofuran	5.025	42	282	0.206	ug/l #	25
31) Cyclohexane	5.544	56	5308	1.216	ug/l #	6
36) 1,1-Dichloropropene	5.556	75	23058	4.853	ug/l #	49
37) Ethyl Acetate	4.739	43	3974	0.863	ug/l #	86
38) Carbon Tetrachloride	5.556	117	31140	5.735	ug/l #	18
44) Trichloroethene	7.129	130	644	Below Cal		69
76) 1,2,3-Trichloropropane	11.079	75	124593	25.210	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	124593	73.960	ug/l #	15

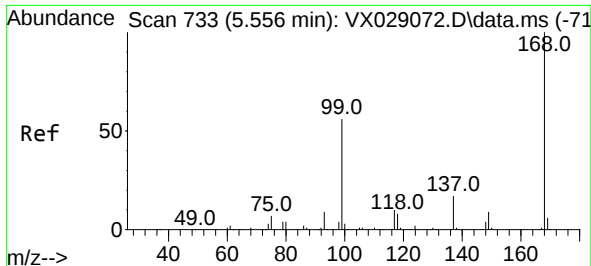
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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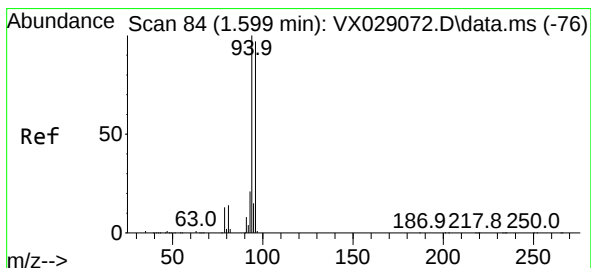
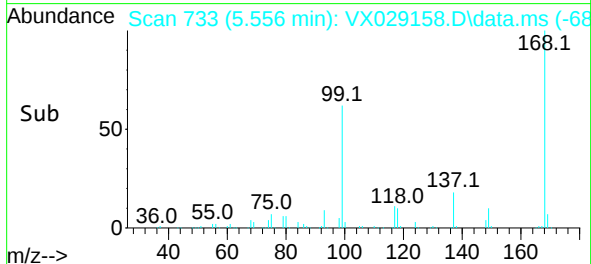
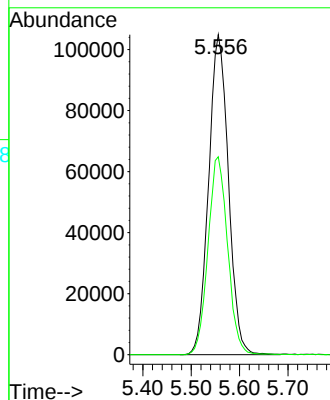
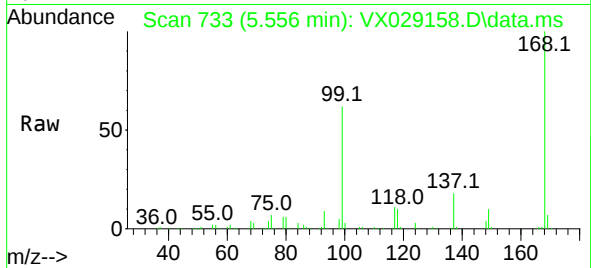




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

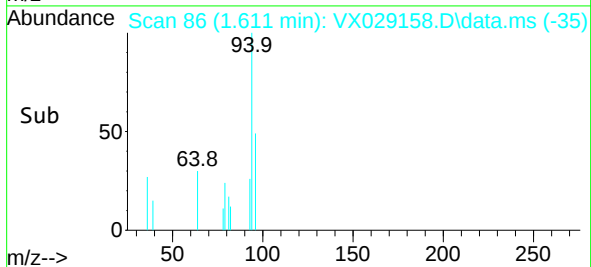
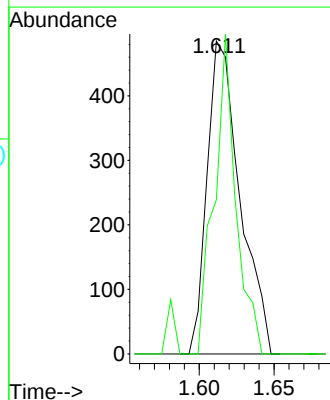
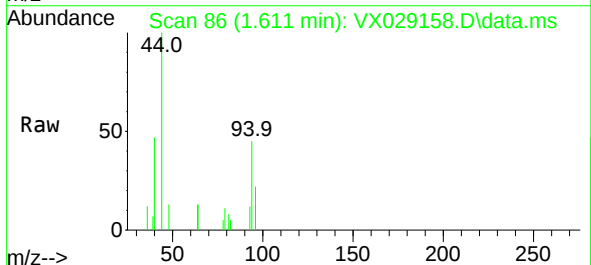
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

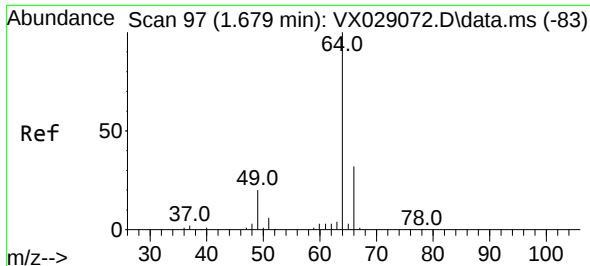
Tgt Ion:168 Resp: 297822
Ion Ratio Lower Upper
168 100
99 61.9 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 94 Resp: 742
Ion Ratio Lower Upper
94 100
96 49.3 75.3 112.9#

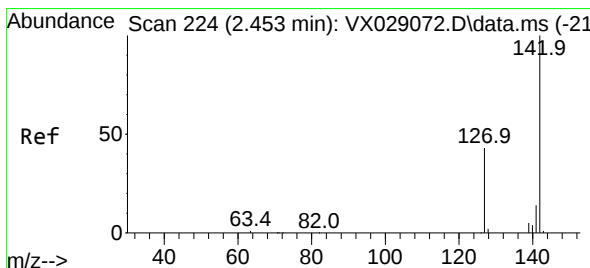
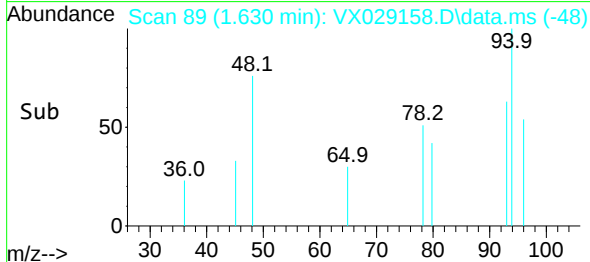
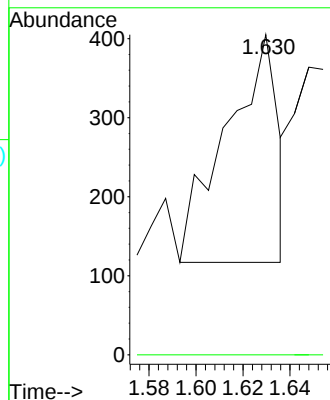
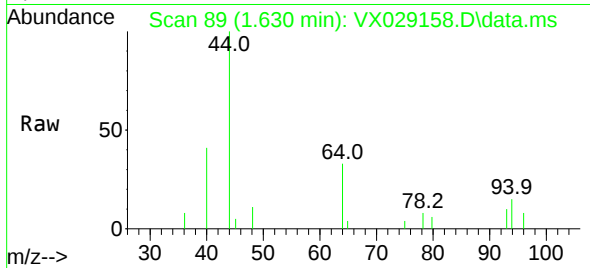




#6
Chloroethane
Concen: 1.570 ug/l
RT: 1.630 min Scan# 89
Delta R.T. -0.049 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

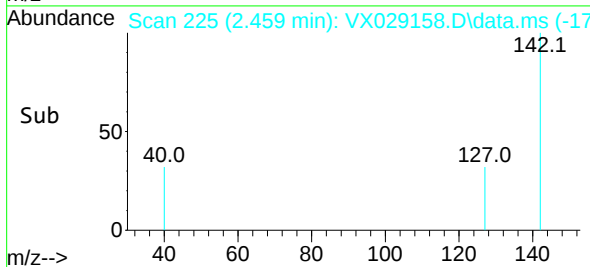
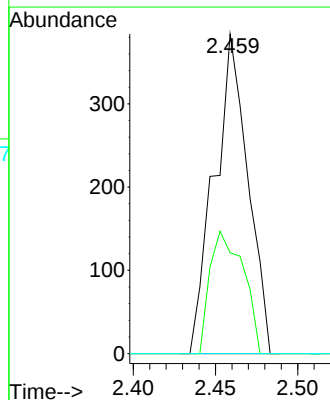
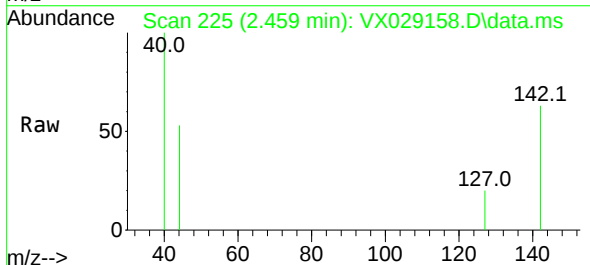
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

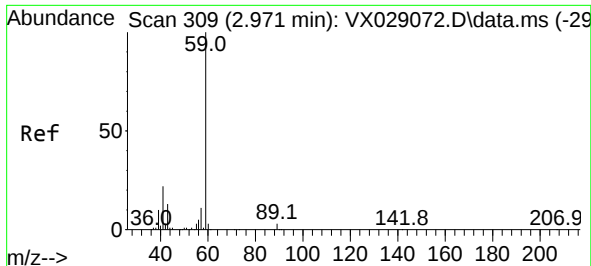
Tgt Ion: 64 Resp: 443
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 4.375 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.006 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 142 Resp: 543
Ion Ratio Lower Upper
142 100
127 38.1 33.9 50.9
141 0.0 11.4 17.2#

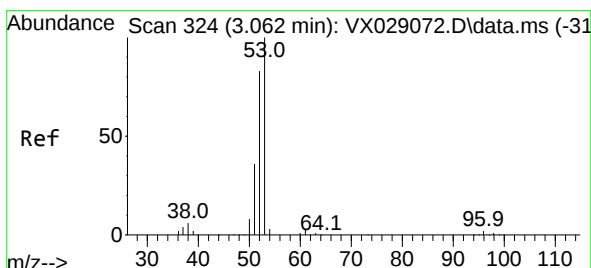
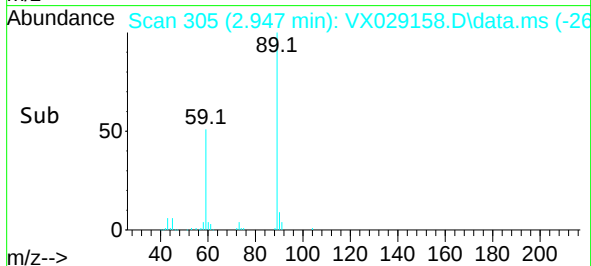
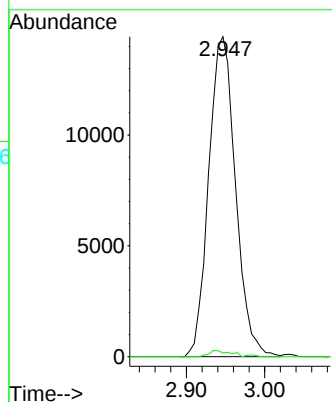
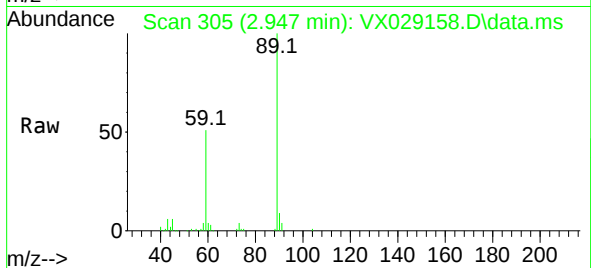




#11
Tert butyl alcohol
Concen: 44.153 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.024 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

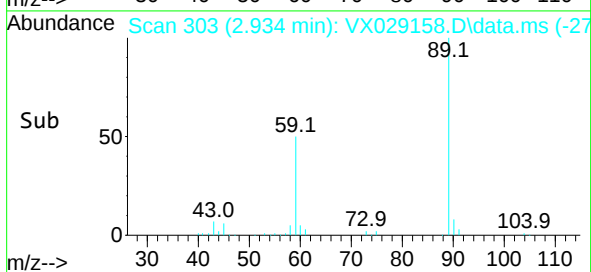
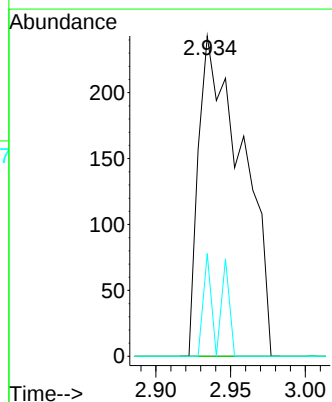
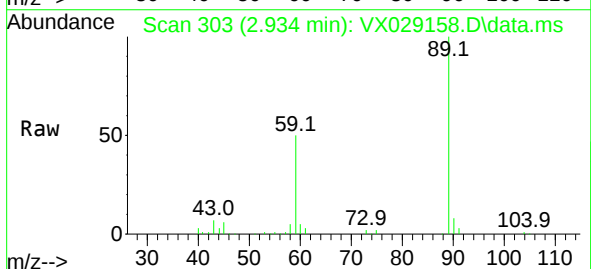
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

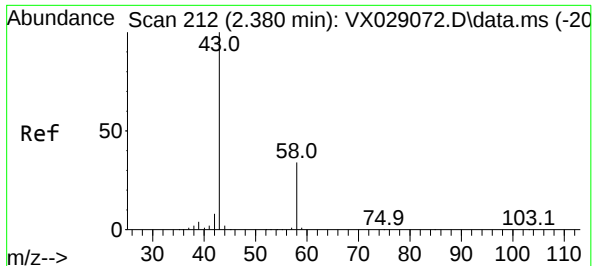
Tgt Ion: 59 Resp: 34350
Ion Ratio Lower Upper
59 100
57 1.6 8.3 12.5#



#15
Acrylonitrile
Concen: 0.308 ug/l
RT: 2.934 min Scan# 303
Delta R.T. -0.128 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 53 Resp: 493
Ion Ratio Lower Upper
53 100
52 0.0 65.7 98.5#
51 11.4 28.4 42.6#

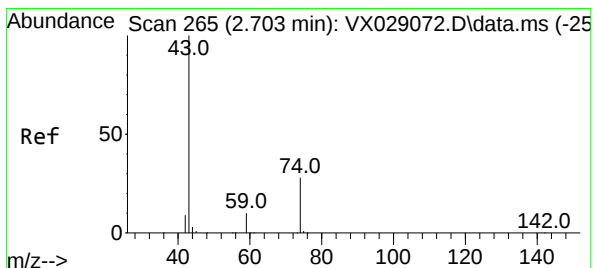
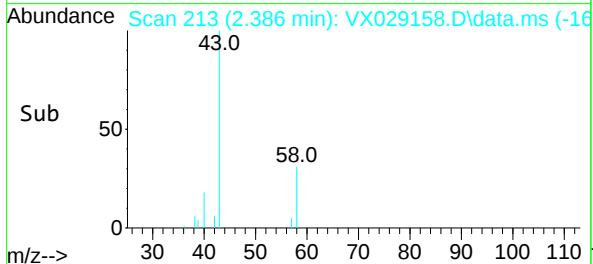
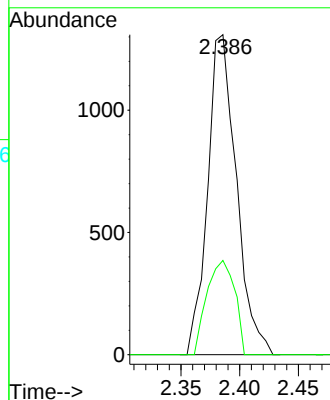
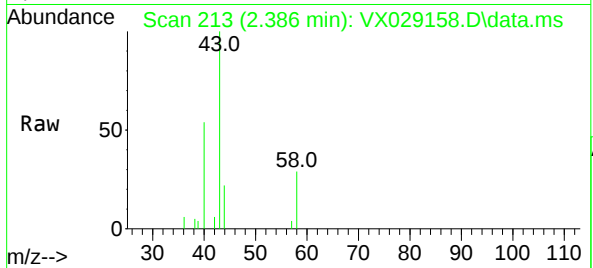




#16
Acetone
Concen: 1.684 ug/l
RT: 2.386 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

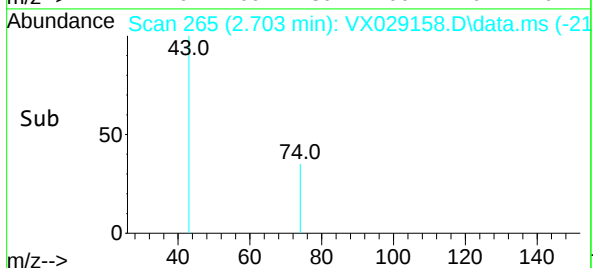
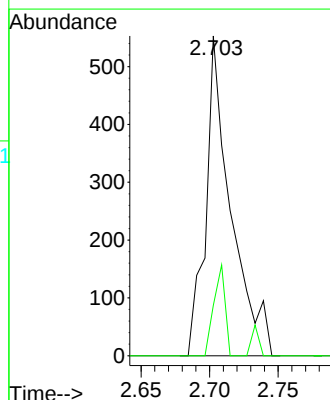
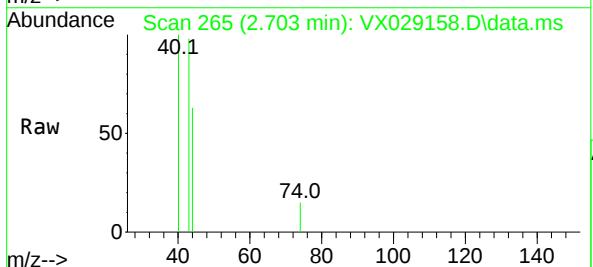
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

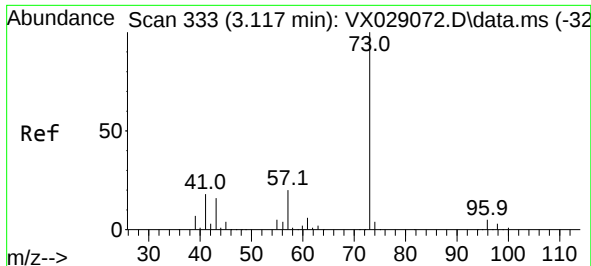
Tgt Ion: 43 Resp: 2227
Ion Ratio Lower Upper
43 100
58 29.5 28.8 43.2



#18
Methyl Acetate
Concen: 0.205 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 43 Resp: 702
Ion Ratio Lower Upper
43 100
74 12.7 22.8 34.2#

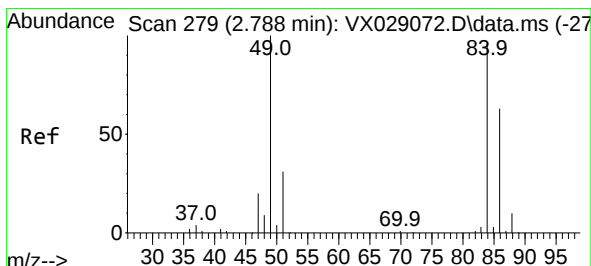
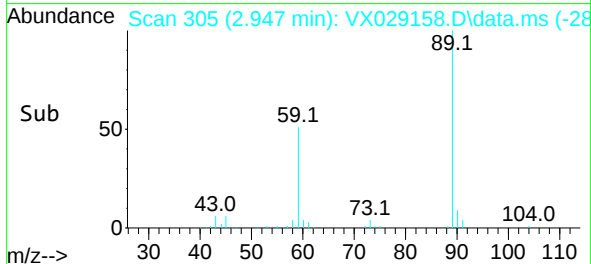
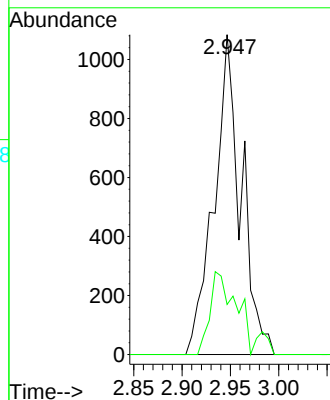
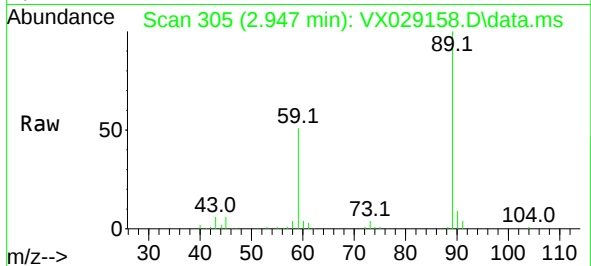




#19
Methyl tert-butyl Ether
Concen: 0.230 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.170 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

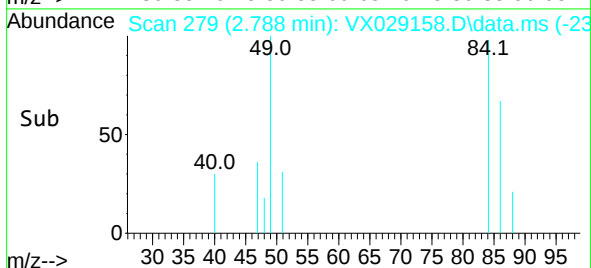
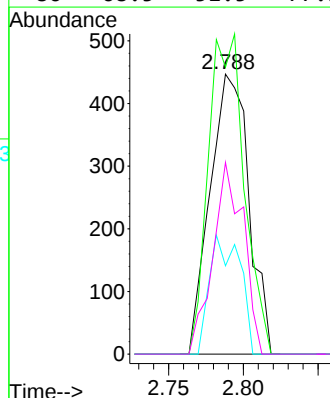
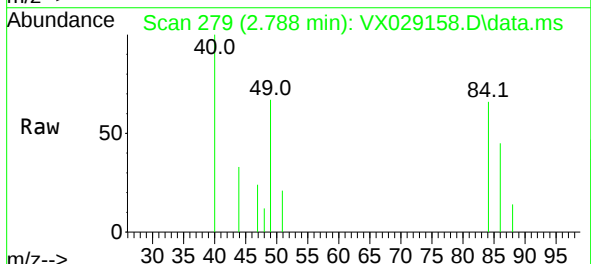
Instrument :
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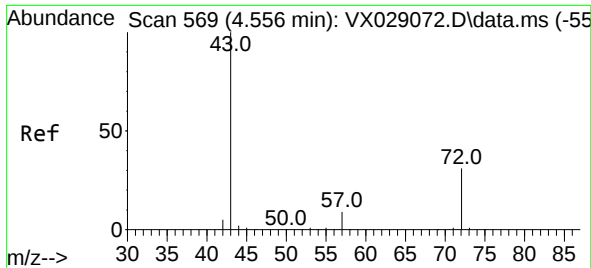
Tgt Ion: 73 Resp: 2097
Ion Ratio Lower Upper
73 100
57 15.7 16.8 25.2#



#20
Methylene Chloride
Concen: 0.261 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 84 Resp: 806
Ion Ratio Lower Upper
84 100
49 102.5 85.5 128.3
51 31.5 26.6 39.8
86 68.5 51.5 77.3

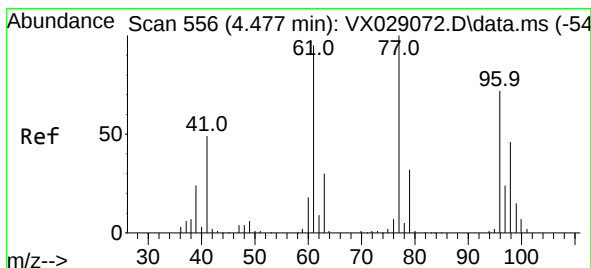
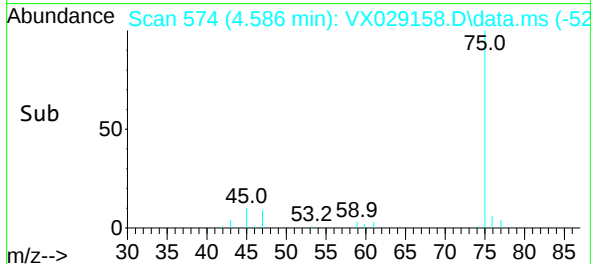
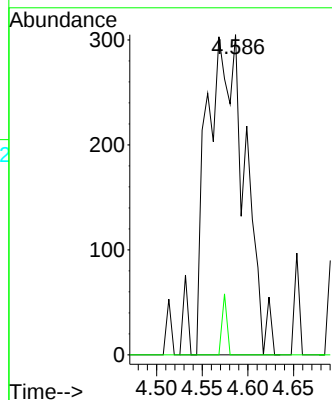
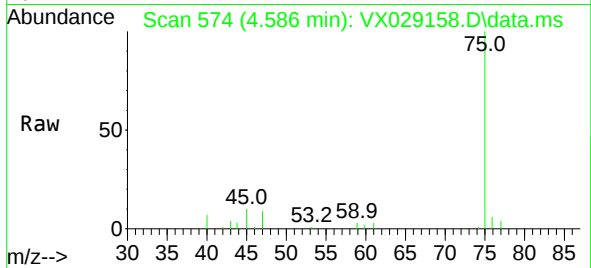




#25
2-Butanone
Concen: 0.423 ug/l
RT: 4.586 min Scan# 51
Delta R.T. 0.030 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

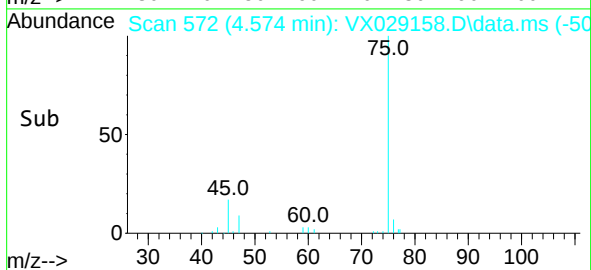
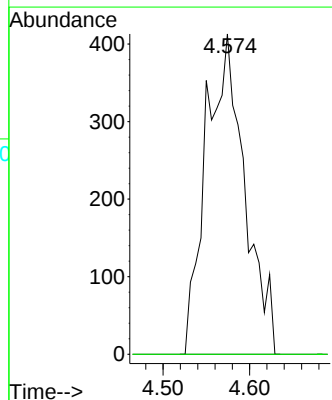
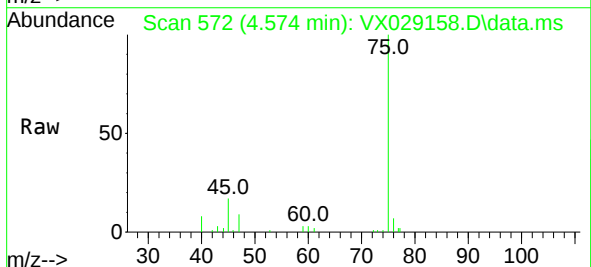
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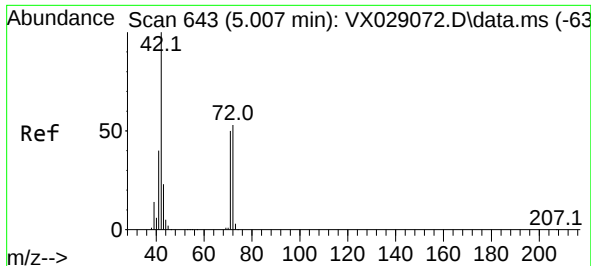
Tgt Ion: 43 Resp: 903
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#26
2,2-Dichloropropane
Concen: 0.313 ug/l
RT: 4.574 min Scan# 572
Delta R.T. 0.097 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 77 Resp: 1279
Ion Ratio Lower Upper
77 100
97 0.0 11.8 35.4#





#29

Tetrahydrofuran

Concen: 0.206 ug/l

RT: 5.025 min Scan# 643

Delta R.T. 0.018 min

Lab File: VX029158.D

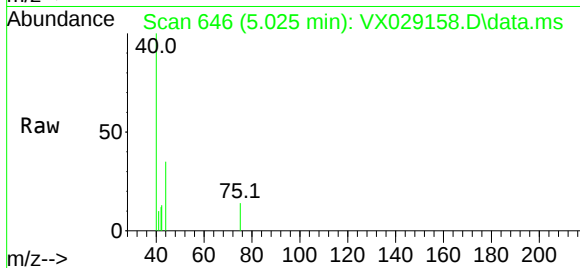
Acq: 03 Jun 2022 00:29

Instrument :

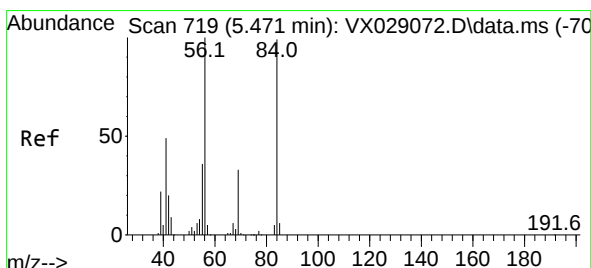
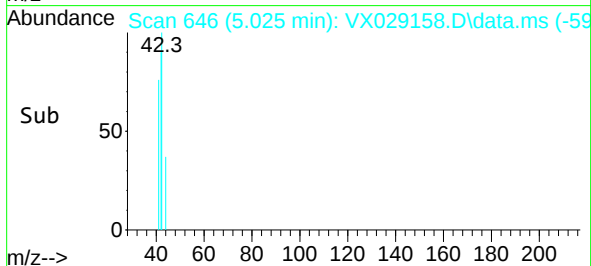
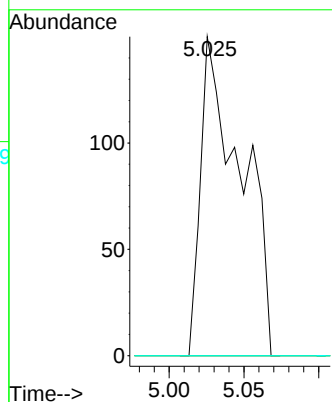
MSVOA_X

ClientSampleId :

28BR-20220531



Tgt Ion:	42	Resp:	282
Ion	Ratio	Lower	Upper
42	100		
72	0.0	44.1	66.1#
71	0.0	40.5	60.7#



#31

Cyclohexane

Concen: 1.216 ug/l

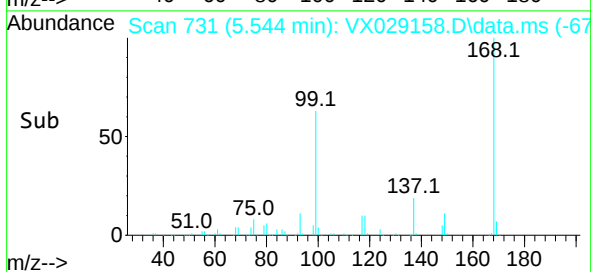
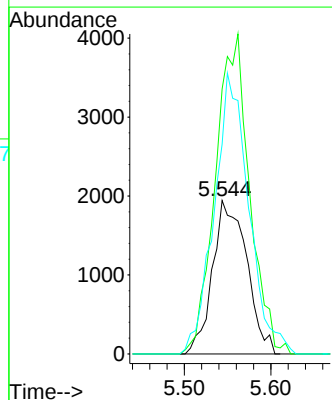
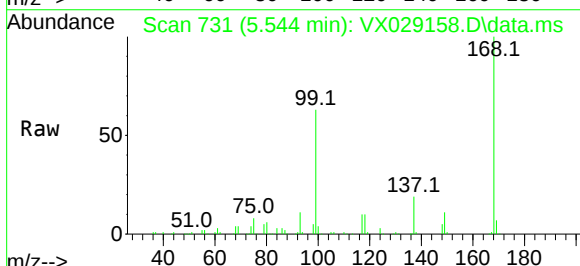
RT: 5.544 min Scan# 731

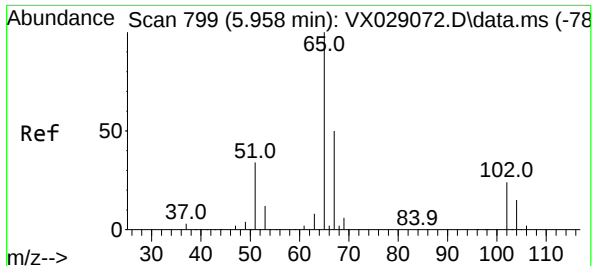
Delta R.T. 0.073 min

Lab File: VX029158.D

Acq: 03 Jun 2022 00:29

Tgt Ion:	56	Resp:	5308
Ion	Ratio	Lower	Upper
56	100		
69	172.7	26.7	40.1#
84	136.7	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 58.693 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029158.D

Acq: 03 Jun 2022 00:29

Instrument :

MSVOA_X

ClientSampleId :

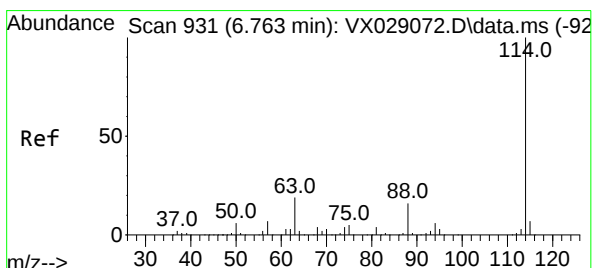
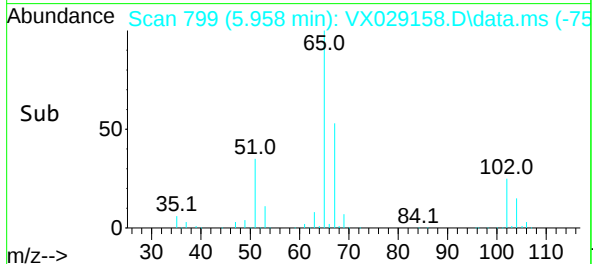
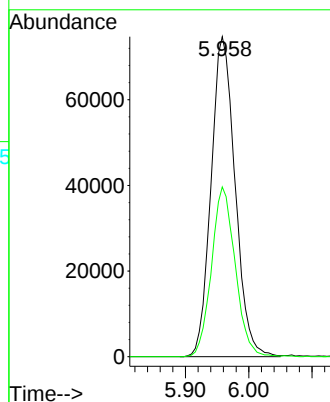
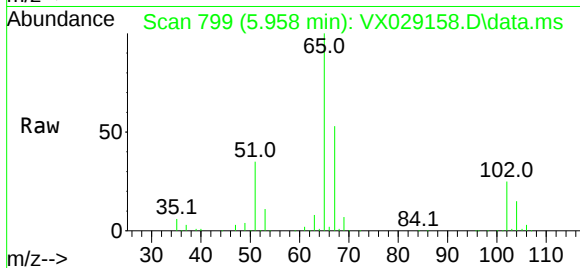
28BR-20220531

Tgt Ion: 65 Resp: 197113

Ion Ratio Lower Upper

65 100

67 52.2 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: VX029158.D

Acq: 03 Jun 2022 00:29

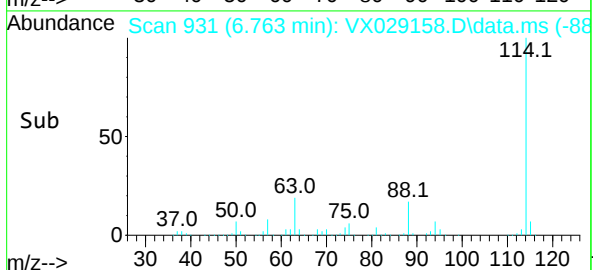
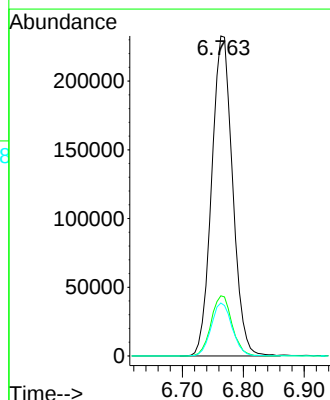
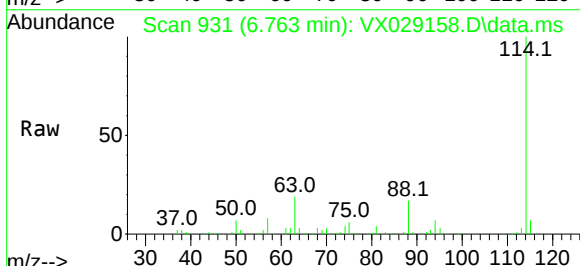
Tgt Ion: 114 Resp: 555932

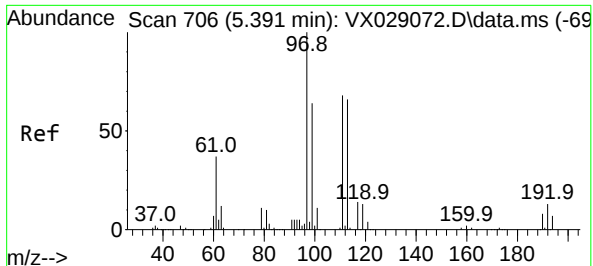
Ion Ratio Lower Upper

114 100

63 18.8 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.456 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029158.D

Acq: 03 Jun 2022 00:29

Instrument :

MSVOA_X

ClientSampleId :

28BR-20220531

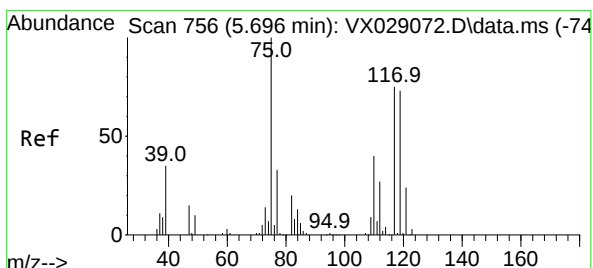
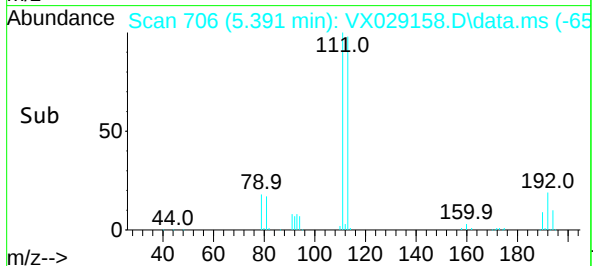
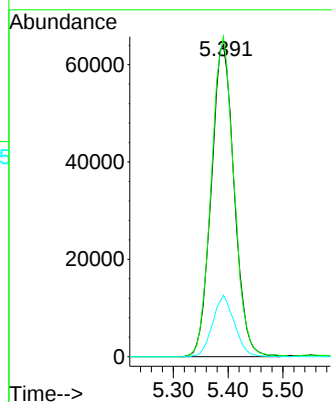
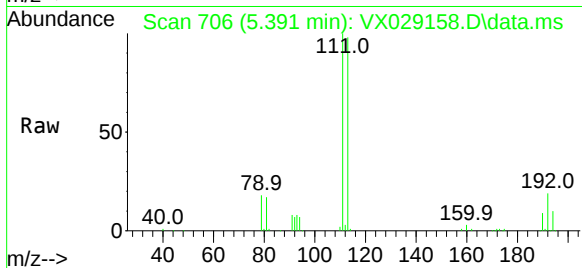
Tgt Ion:113 Resp: 186316

Ion Ratio Lower Upper

113 100

111 101.6 82.8 124.2

192 18.7 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.853 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.140 min

Lab File: VX029158.D

Acq: 03 Jun 2022 00:29

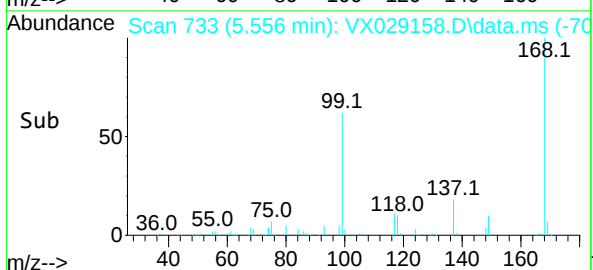
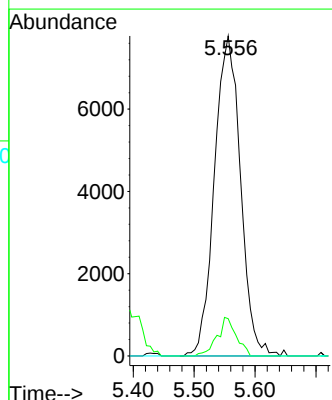
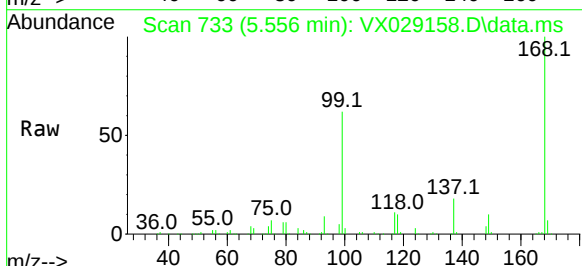
Tgt Ion: 75 Resp: 23058

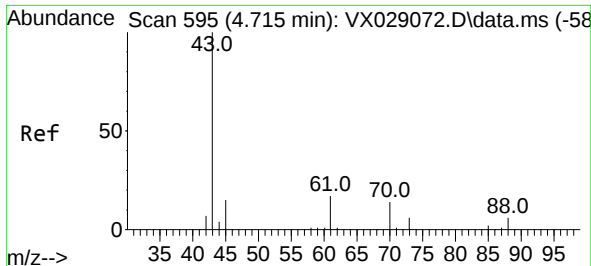
Ion Ratio Lower Upper

75 100

110 8.9 18.3 54.8#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 0.863 ug/l

RT: 4.739 min Scan# 595

Delta R.T. 0.024 min

Lab File: VX029158.D

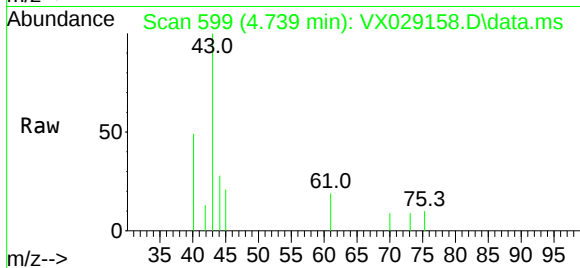
Acq: 03 Jun 2022 00:29

Instrument :

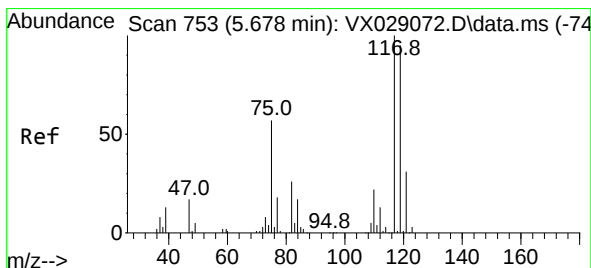
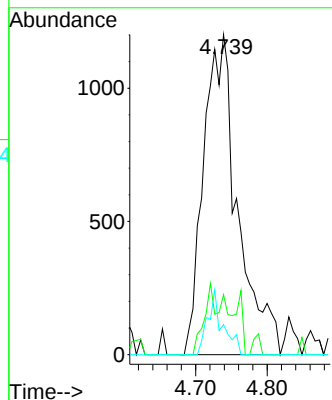
MSVOA_X

ClientSampleId :

28BR-20220531



Tgt Ion: 43	Resp: 3974
Ion Ratio	Lower Upper
43	100
61	8.4 12.6 19.0#
70	9.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.735 ug/l

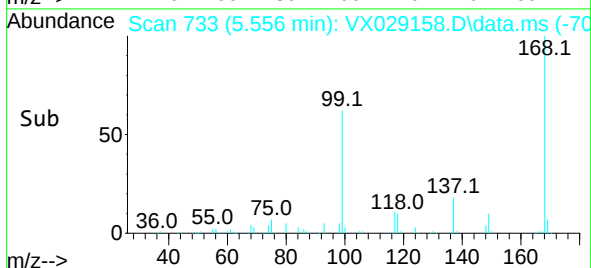
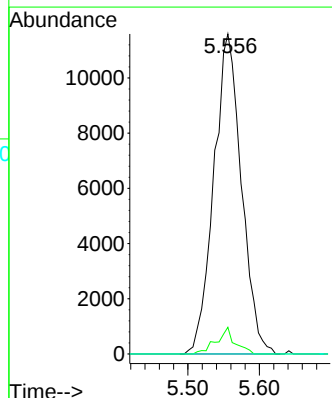
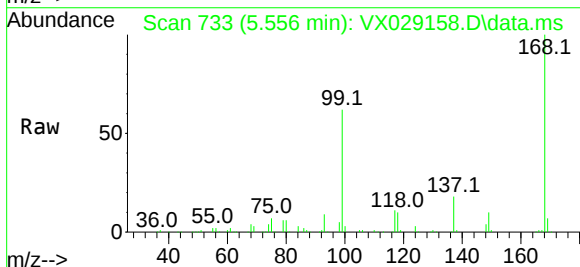
RT: 5.556 min Scan# 733

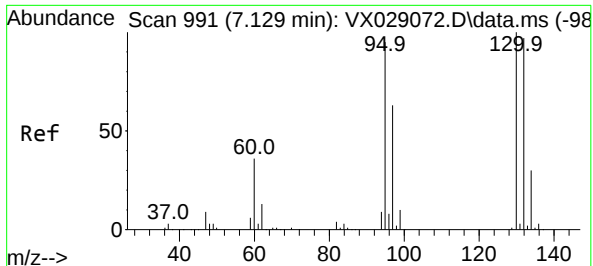
Delta R.T. -0.122 min

Lab File: VX029158.D

Acq: 03 Jun 2022 00:29

Tgt Ion: 117	Resp: 31140
Ion Ratio	Lower Upper
117	100
119	8.3 77.3 115.9#
121	0.0 24.2 36.2#

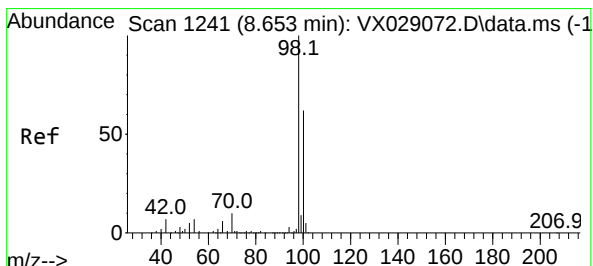
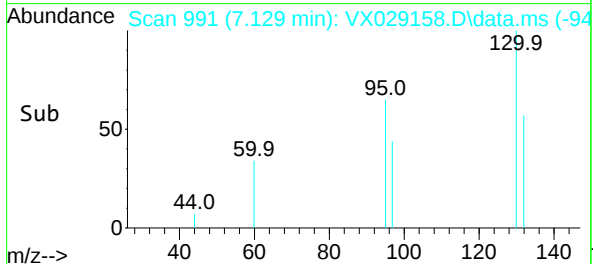
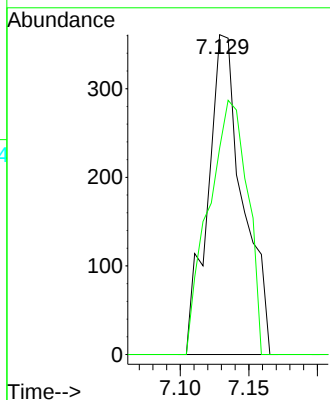
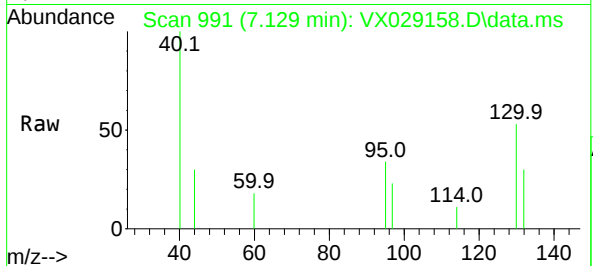




#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

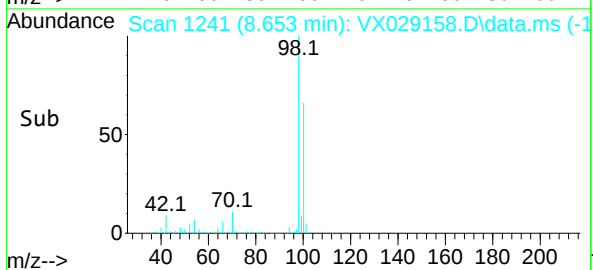
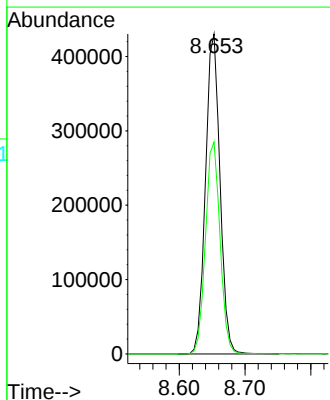
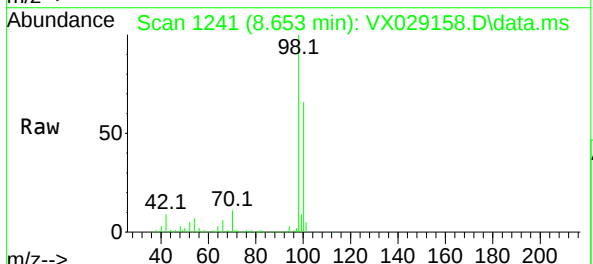
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

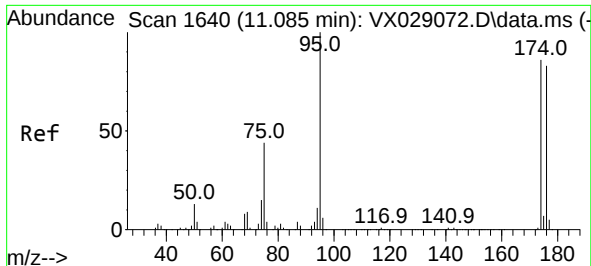
Tgt Ion:130 Resp: 644
Ion Ratio Lower Upper
130 100
95 64.5 0.0 188.8



#50
Toluene-d8
Concen: 48.861 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 98 Resp: 659885
Ion Ratio Lower Upper
98 100
100 66.6 52.6 78.8

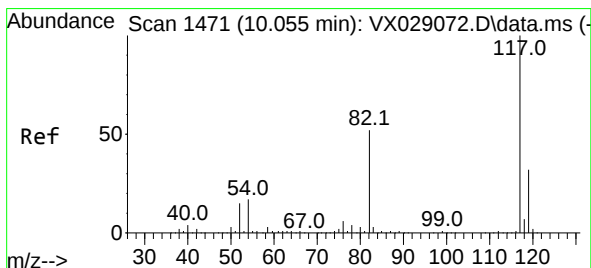
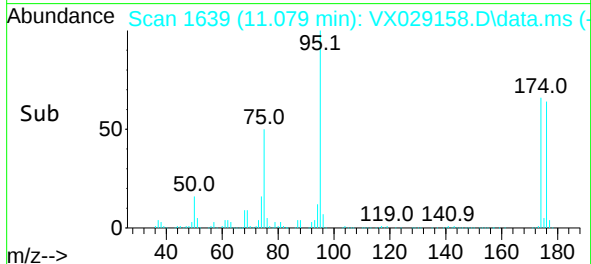
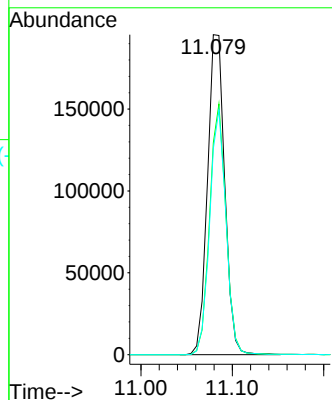
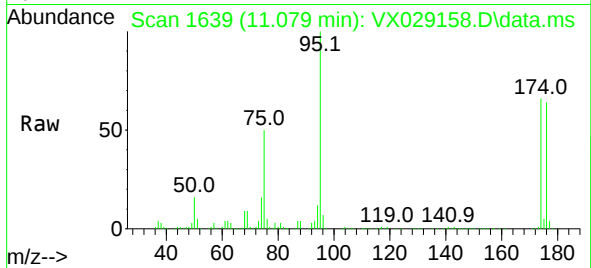




#62
4-Bromofluorobenzene
Concen: 48.961 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

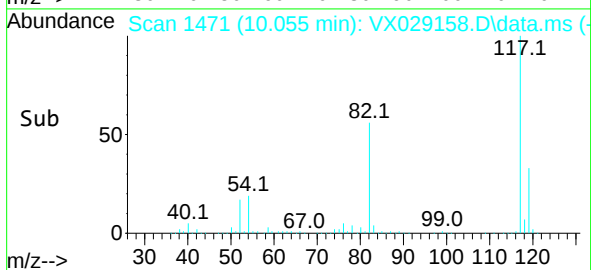
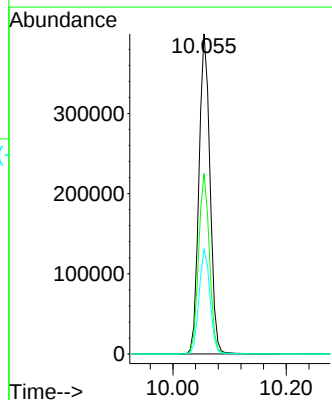
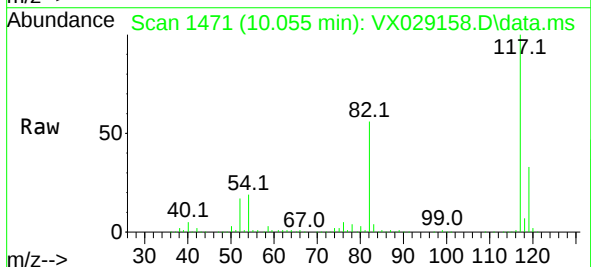
Instrument :
MSVOA_X
ClientSampleId :
28BR-20220531

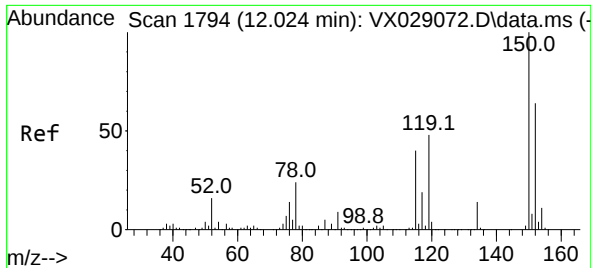
Tgt Ion: 95 Resp: 255604
Ion Ratio Lower Upper
95 100
174 74.1 0.0 163.0
176 72.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029158.D
Acq: 03 Jun 2022 00:29

Tgt Ion: 117 Resp: 538451
Ion Ratio Lower Upper
117 100
82 56.4 41.8 62.8
119 32.6 24.8 37.2

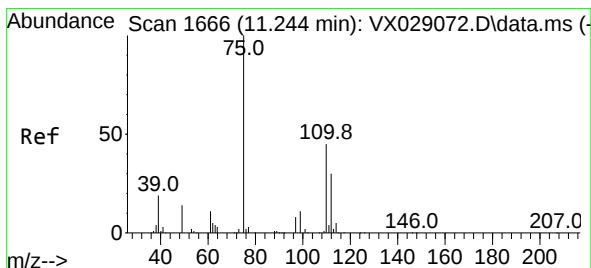
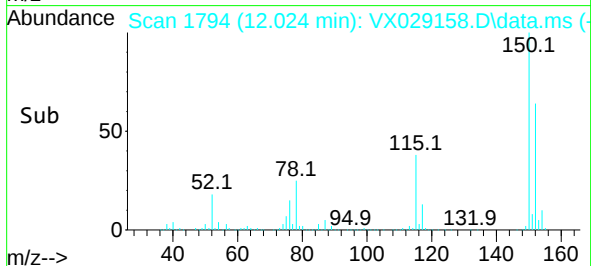
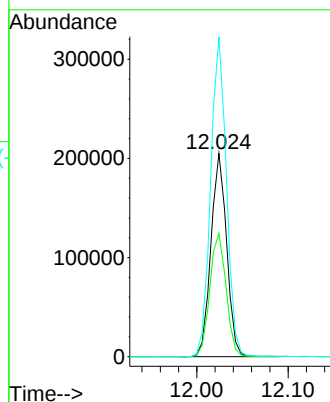
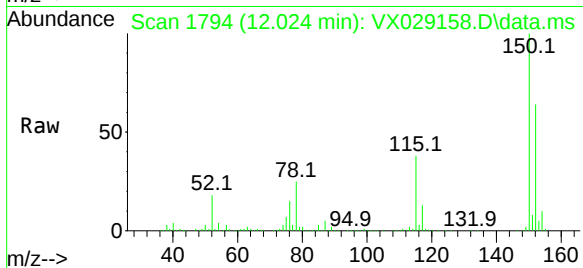




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029158.D
 Acq: 03 Jun 2022 00:29

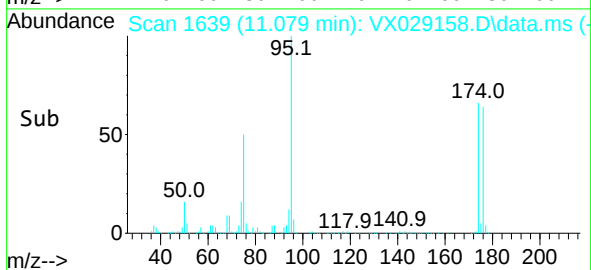
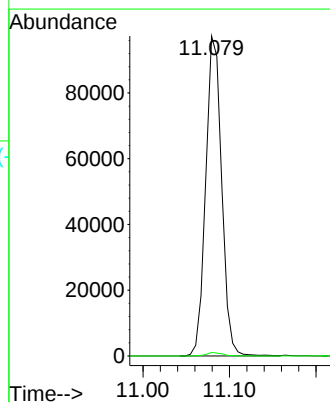
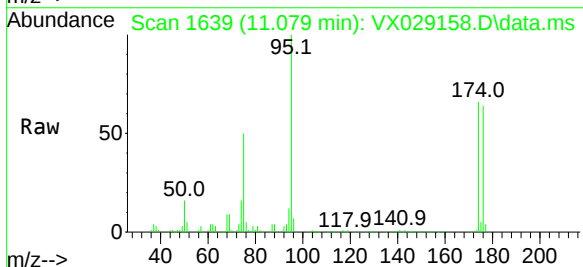
Instrument :
 MSVOA_X
 ClientSampleId :
 28BR-20220531

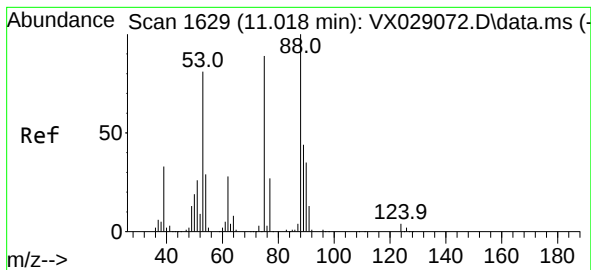
Tgt Ion:152 Resp: 243803
 Ion Ratio Lower Upper
 152 100
 115 62.8 37.5 112.7
 150 158.5 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 25.210 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029158.D
 Acq: 03 Jun 2022 00:29

Tgt Ion: 75 Resp: 124593
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 73.960 ug/l
 RT: 11.079 min Scan# 11
 Delta R.T. 0.061 min
 Lab File: VX029158.D
 Acq: 03 Jun 2022 00:29

Instrument :
 MSVOA_X
 ClientSampleId :
 28BR-20220531

Tgt Ion: 75 Resp: 124593
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

