

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062122\
 Data File : VX029678.D
 Acq On : 21 Jun 2022 21:36
 Operator : JC/MD
 Sample : N3354-21
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FB061322

Quant Time: Jun 22 01:13:39 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

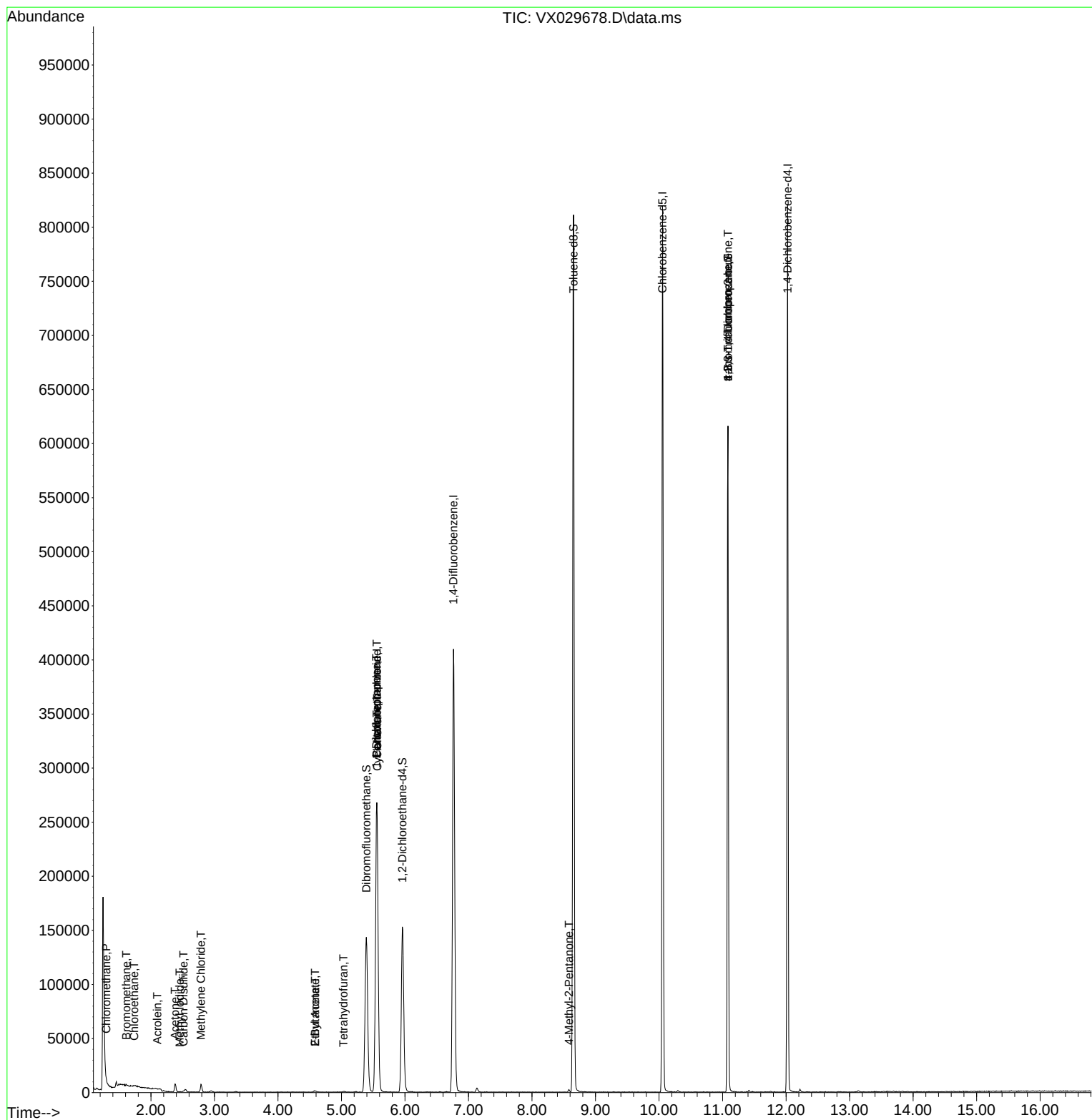
Internal Standards						
1) Pentafluorobenzene	5.556	168	257321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	435201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	383813	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	166315	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145492	42.714	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.420%		
35) Dibromofluoromethane	5.391	113	130592	46.046	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	92.100%		
50) Toluene-d8	8.653	98	497586	48.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.060%		
62) 4-Bromofluorobenzene	11.085	95	178398	45.658	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.320%		
Target Compounds						Qvalue
3) Chloromethane	1.294	50	1268	0.378	ug/l	99
5) Bromomethane	1.611	94	368	0.233	ug/l #	74
6) Chloroethane	1.733	64	474	1.483	ug/l #	43
10) Methyl Iodide	2.453	142	281	3.103	ug/l #	85
11) Tert butyl alcohol	2.959	59	817	Below Cal	#	72
13) Acrolein	2.099	56	52	0.277	ug/l #	15
16) Acetone	2.380	43	8216	6.051	ug/l	96
17) Carbon Disulfide	2.514	76	1381	0.204	ug/l #	93
20) Methylene Chloride	2.788	84	3212	1.062	ug/l	96
25) 2-Butanone	4.587	43	2191	1.021	ug/l #	74
29) Tetrahydrofuran	5.032	42	720	0.503	ug/l #	42
31) Cyclohexane	5.562	56	4752	1.039	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	19035	4.959	ug/l #	49
37) Ethyl Acetate	4.587	43	2191	0.557	ug/l #	65
38) Carbon Tetrachloride	5.556	117	26620	7.052	ug/l #	17
44) Trichloroethene	7.129	130	1604	Below Cal		97
51) 4-Methyl-2-Pentanone	8.580	43	1455	0.369	ug/l	91
76) 1,2,3-Trichloropropane	11.085	75	83734	23.111	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.085	75	83734	76.884	ug/l #	15

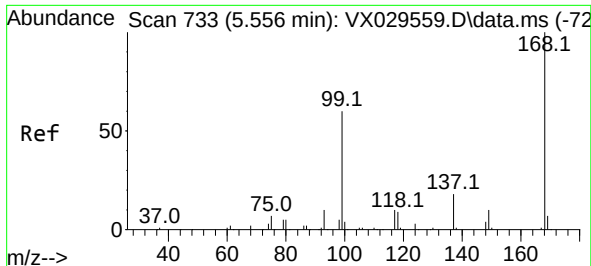
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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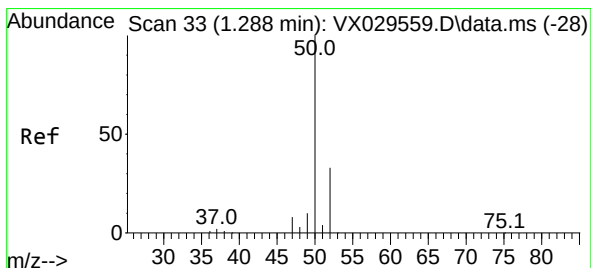
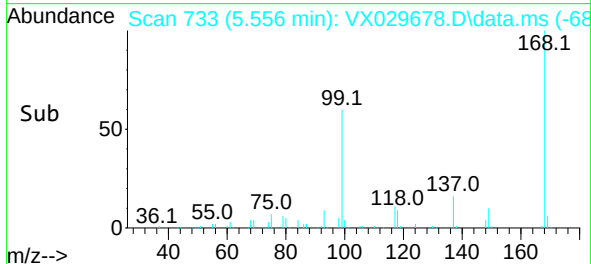
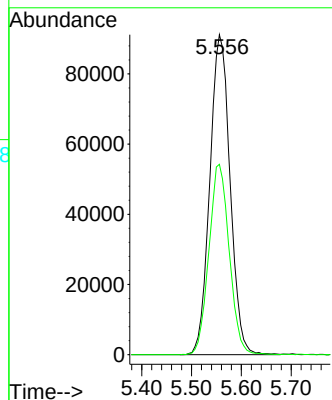
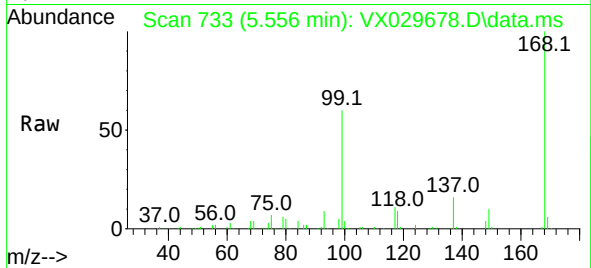




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

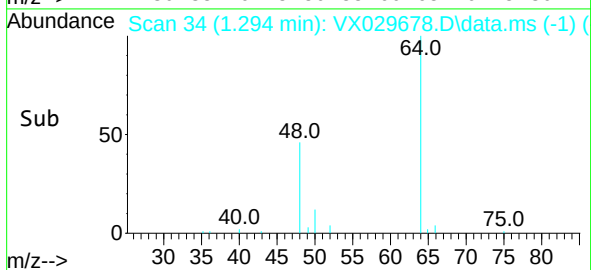
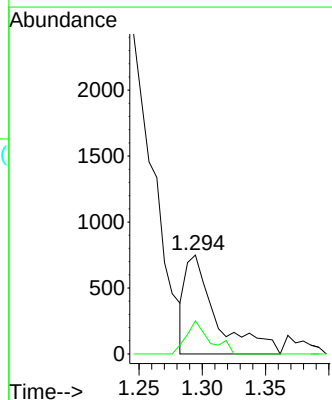
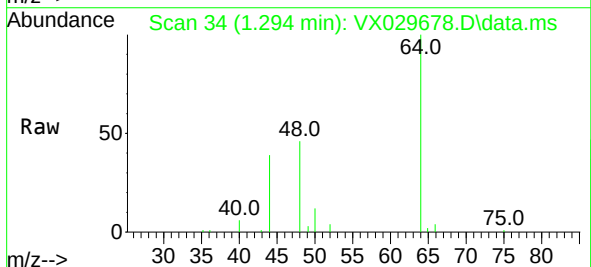
Instrument :
MSVOA_X
ClientSampleId :
FB061322

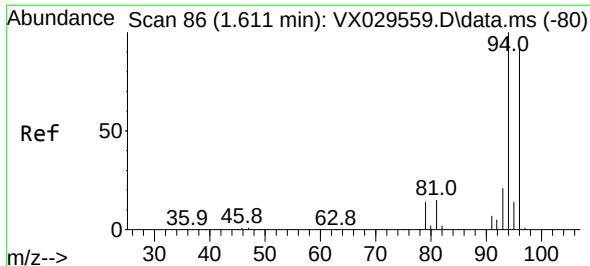
Tgt Ion:168 Resp: 257321
Ion Ratio Lower Upper
168 100
99 59.5 41.7 62.5



#3
Chloromethane
Concen: 0.378 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 50 Resp: 1268
Ion Ratio Lower Upper
50 100
52 33.5 26.4 39.6

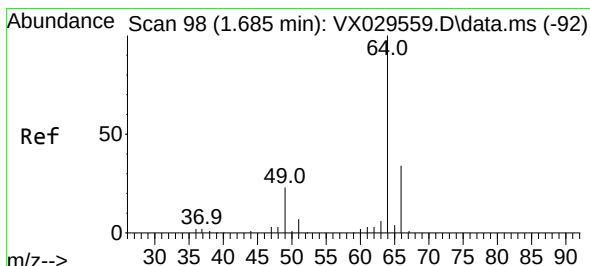
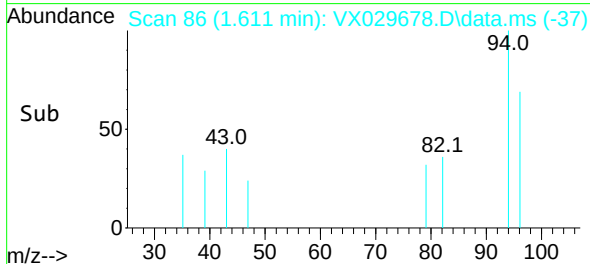
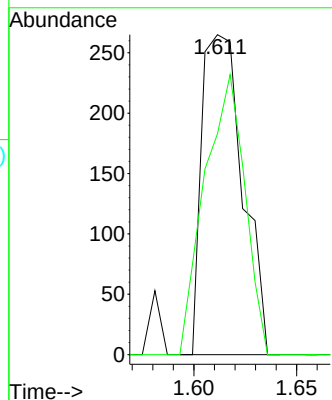
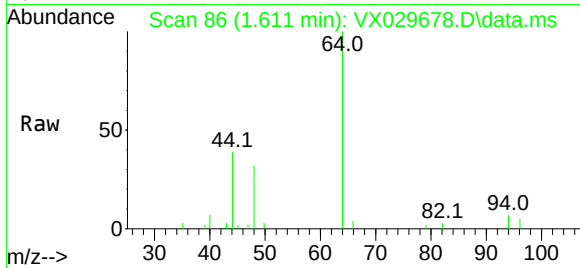




#5
Bromomethane
Concen: 0.233 ug/l
RT: 1.611 min Scan# 80
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

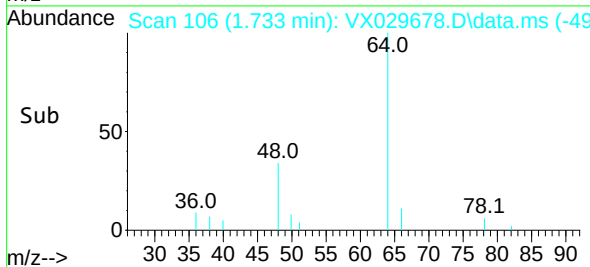
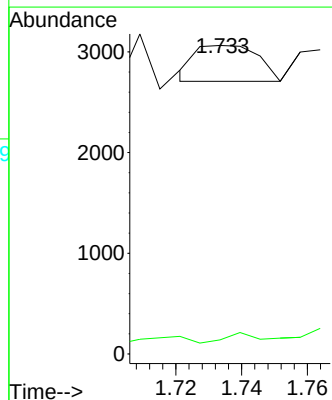
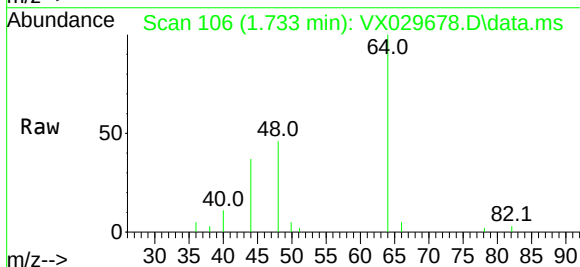
Instrument :
MSVOA_X
ClientSampleId :
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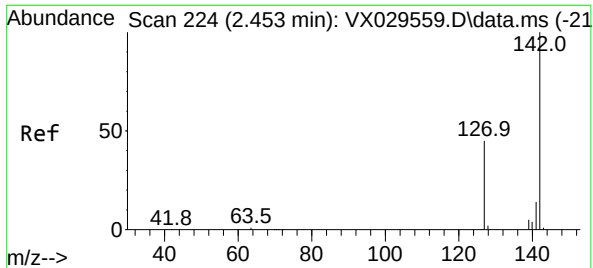
Tgt Ion: 94 Resp: 368
Ion Ratio Lower Upper
94 100
96 69.1 75.3 112.9#



#6
Chloroethane
Concen: 1.483 ug/l
RT: 1.733 min Scan# 106
Delta R.T. 0.048 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 64 Resp: 474
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

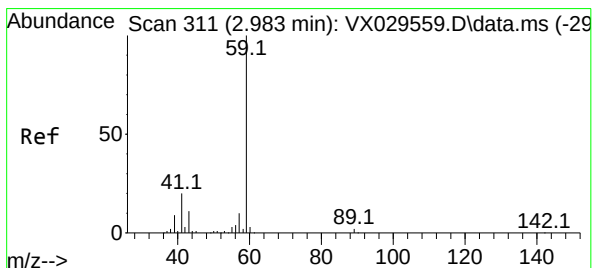
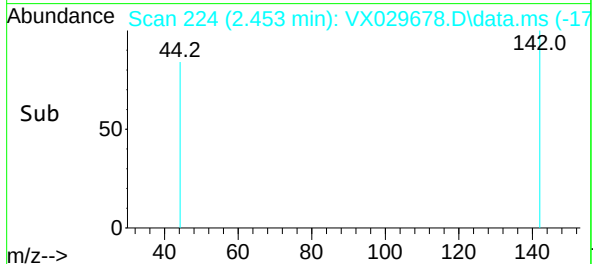
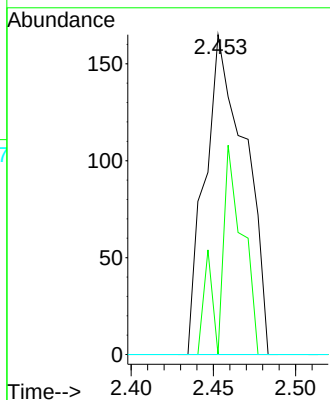
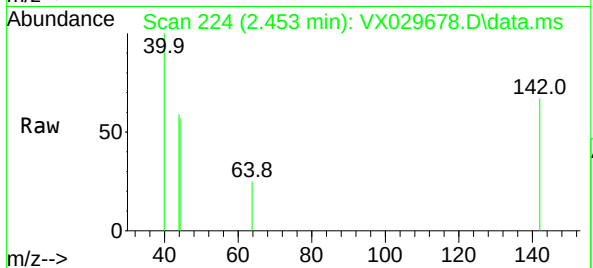




#10
Methyl Iodide
Concen: 3.103 ug/l
RT: 2.453 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

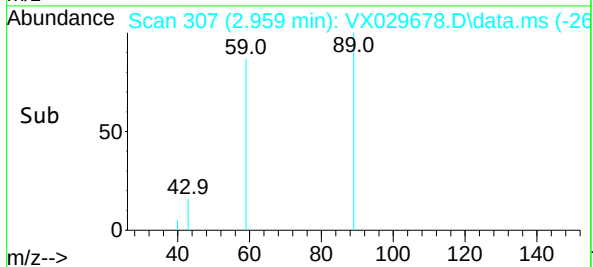
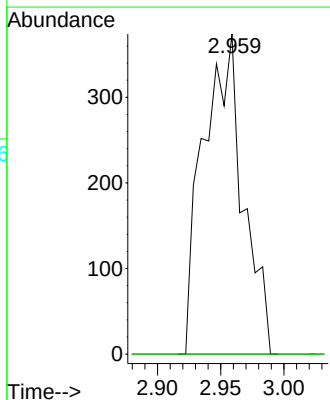
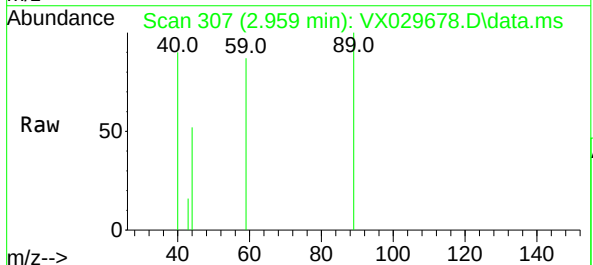
Instrument :
MSVOA_X
ClientSampleId :
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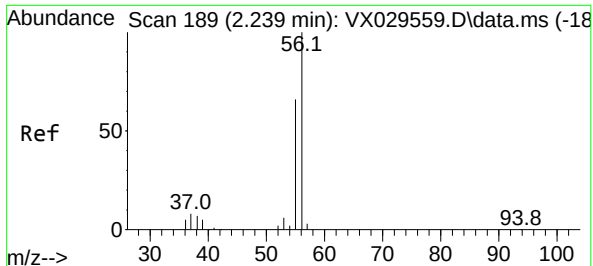
Tgt Ion:142 Resp: 281
Ion Ratio Lower Upper
142 100
127 37.0 33.9 50.9
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 307
Delta R.T. -0.024 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 59 Resp: 817
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

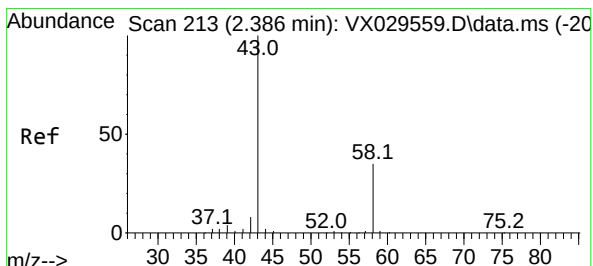
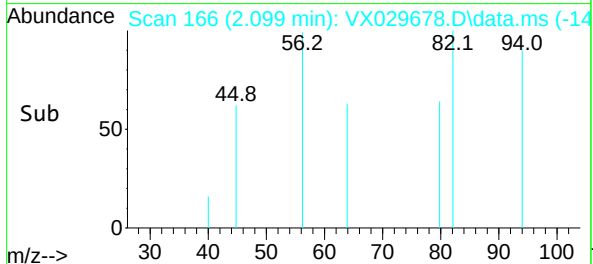
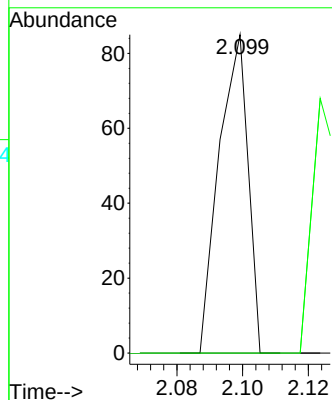
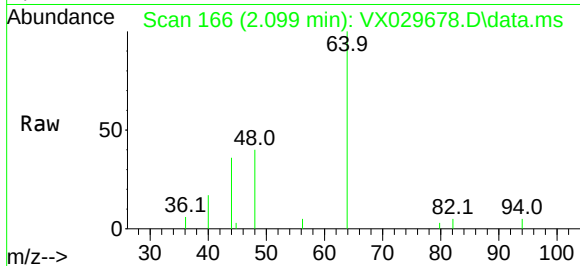




#13
Acrolein
Concen: 0.277 ug/l
RT: 2.099 min Scan# 11
Delta R.T. -0.140 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

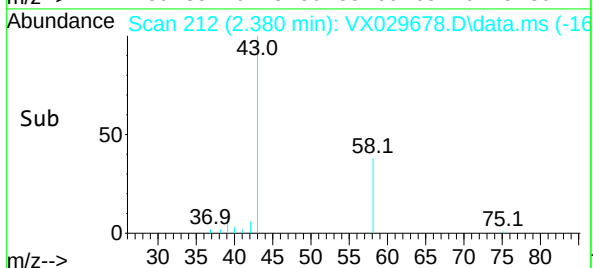
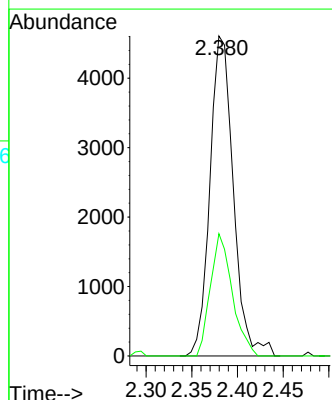
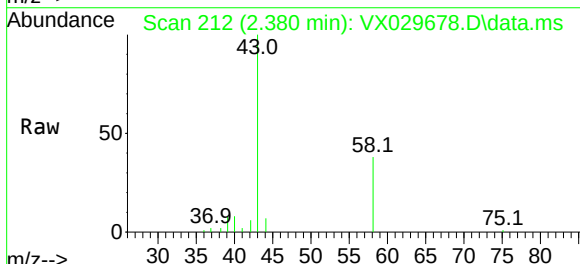
Instrument :
MSVOA_X
ClientSampleId :
FB061322

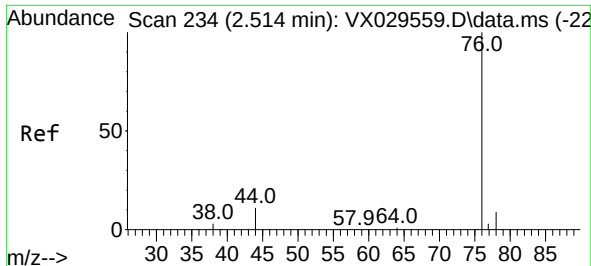
Tgt Ion: 56 Resp: 52
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.6#



#16
Acetone
Concen: 6.051 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.006 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

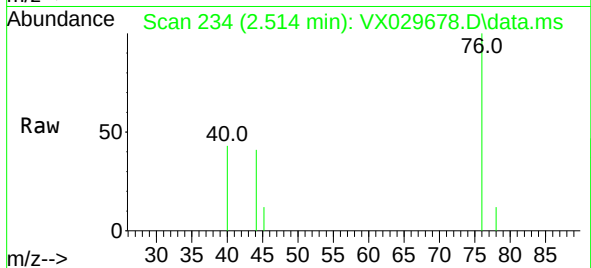
Tgt Ion: 43 Resp: 8216
Ion Ratio Lower Upper
43 100
58 38.2 28.8 43.2



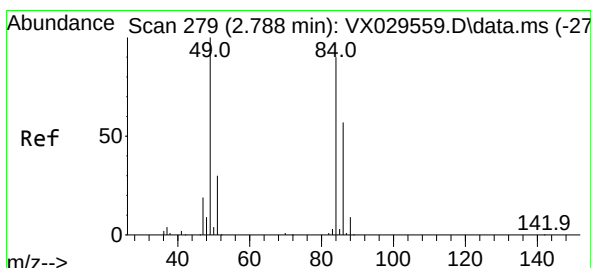
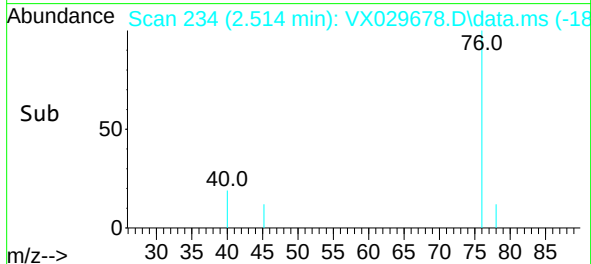
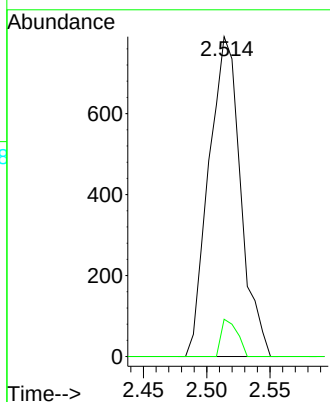


#17
Carbon Disulfide
Concen: 0.204 ug/l
RT: 2.514 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Instrument :
MSVOA_X
ClientSampleId :
FB061322

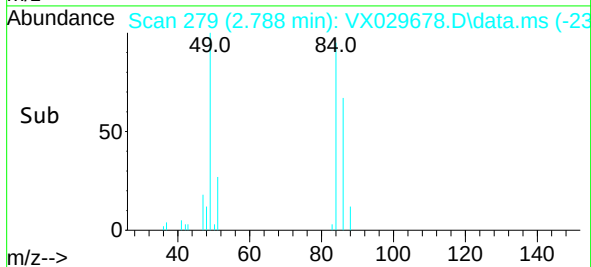
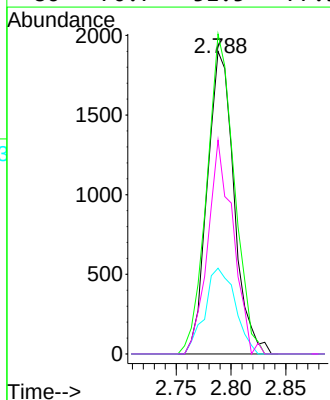
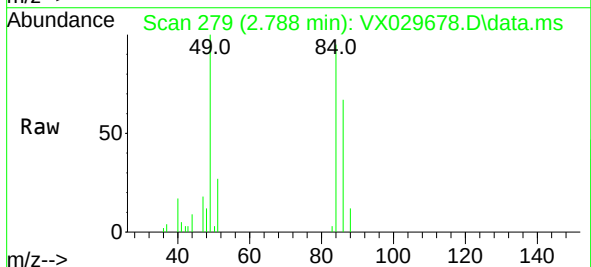


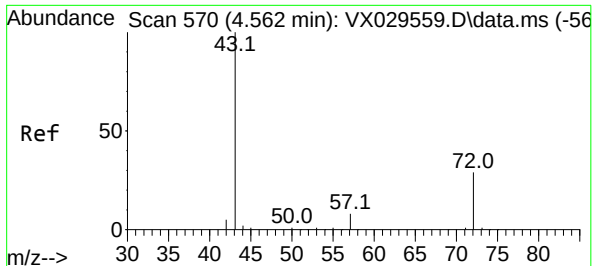
Tgt Ion: 76 Resp: 1381
Ion Ratio Lower Upper
76 100
78 11.6 7.2 10.8#



#20
Methylene Chloride
Concen: 1.062 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 84 Resp: 3212
Ion Ratio Lower Upper
84 100
49 105.7 85.5 128.3
51 28.4 26.6 39.8
86 70.7 51.5 77.3





#25

2-Butanone

Concen: 1.021 ug/l

RT: 4.587 min Scan# 51

Delta R.T. 0.025 min

Lab File: VX029678.D

Acq: 21 Jun 2022 21:36

Instrument :

MSVOA_X

ClientSampleId :

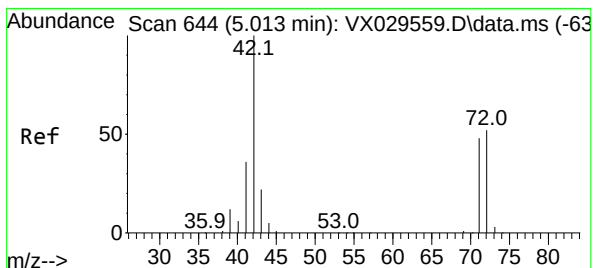
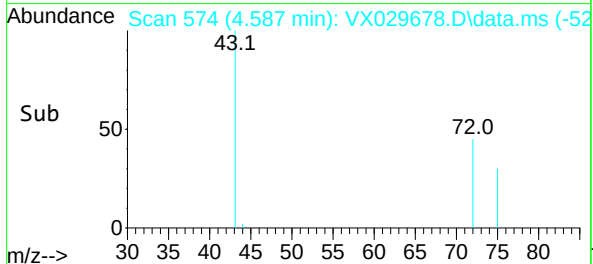
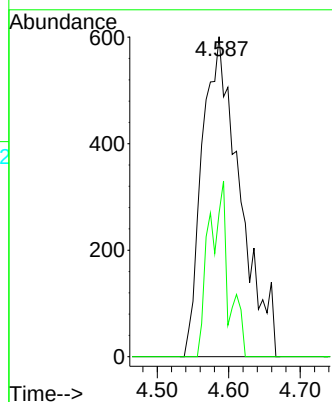
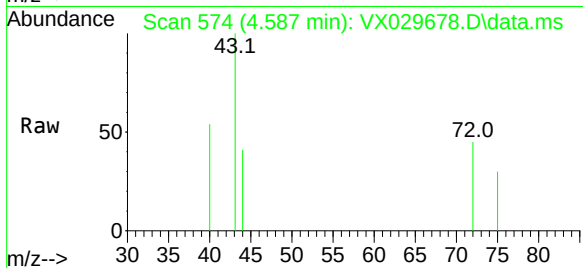
FB061322

Tgt Ion: 43 Resp: 2191

Ion Ratio Lower Upper

43 100

72 44.9 24.4 36.6#



#29

Tetrahydrofuran

Concen: 0.503 ug/l

RT: 5.032 min Scan# 647

Delta R.T. 0.019 min

Lab File: VX029678.D

Acq: 21 Jun 2022 21:36

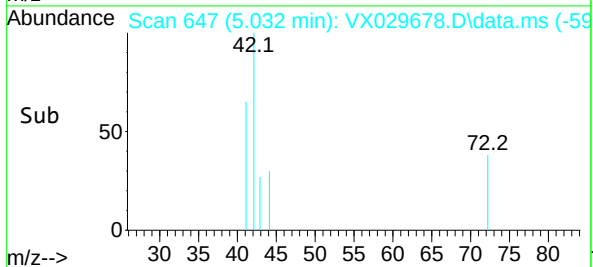
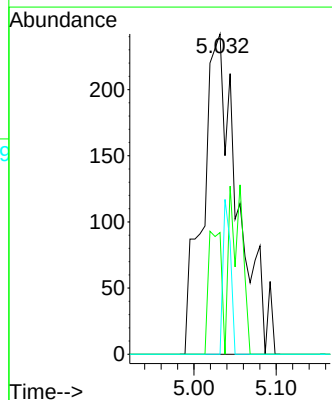
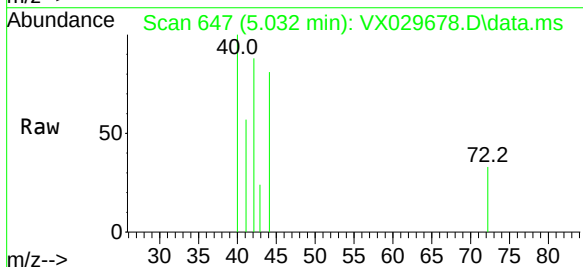
Tgt Ion: 42 Resp: 720

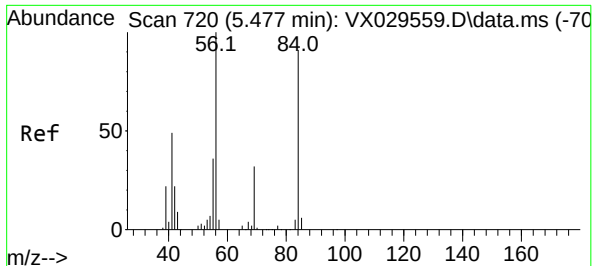
Ion Ratio Lower Upper

42 100

72 13.9 44.1 66.1#

71 10.3 40.5 60.7#

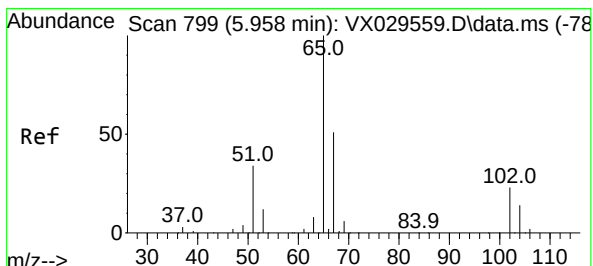
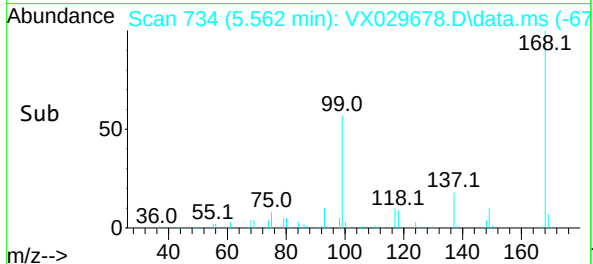
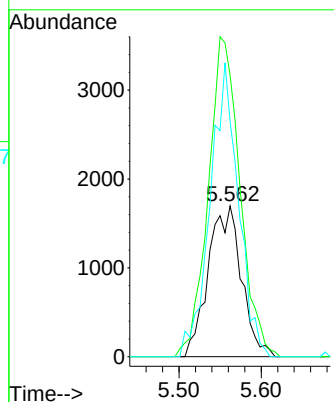
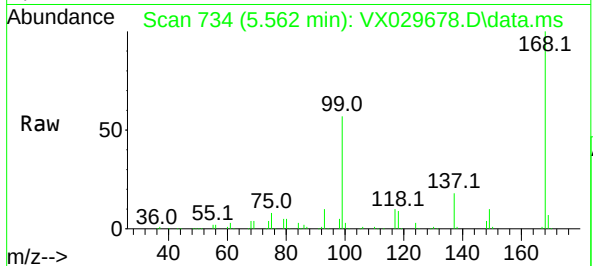




#31
Cyclohexane
Concen: 1.039 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.085 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

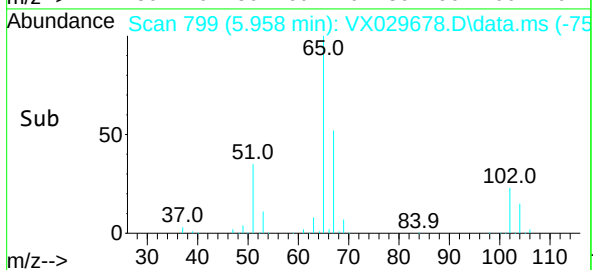
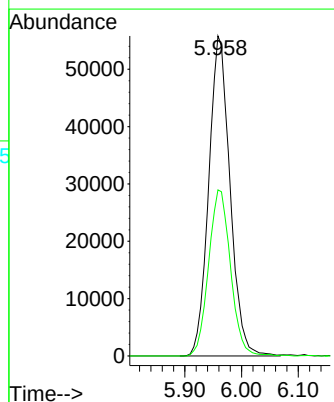
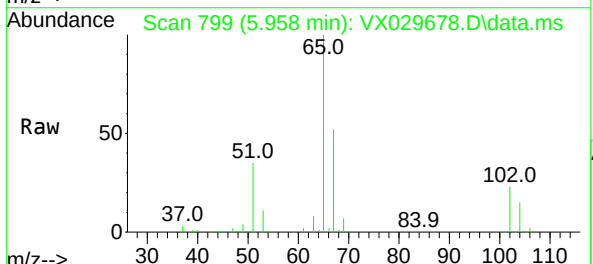
Instrument :
MSVOA_X
ClientSampleId :
FB061322

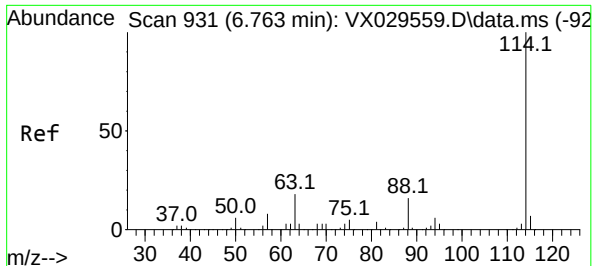
Tgt Ion: 56 Resp: 4752
Ion Ratio Lower Upper
56 100
69 186.6 26.7 40.1#
84 155.9 77.2 115.8#



#33
1,2-Dichloroethane-d4
Concen: 42.714 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 65 Resp: 145492
Ion Ratio Lower Upper
65 100
67 53.4 0.0 107.4

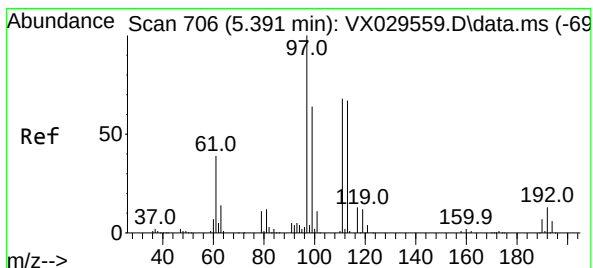
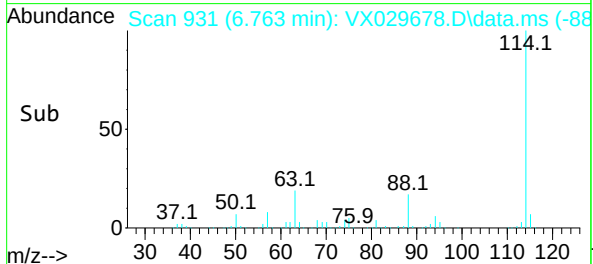
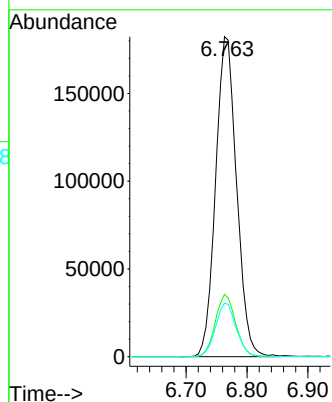
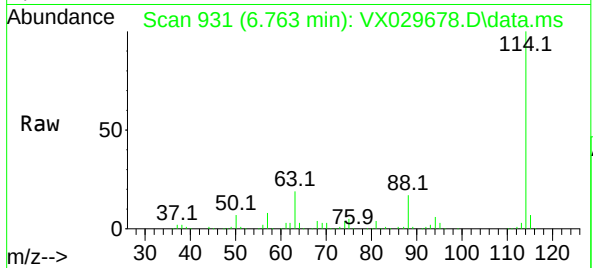




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

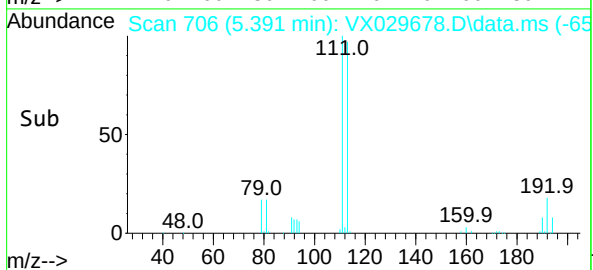
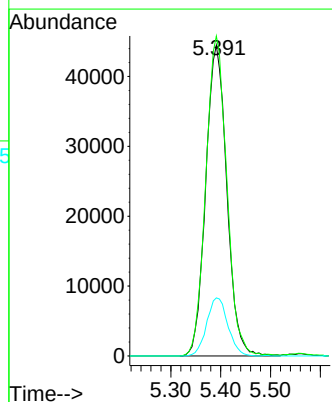
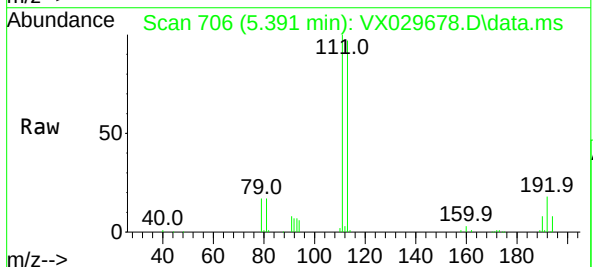
Instrument :
MSVOA_X
ClientSampleId :
FB061322

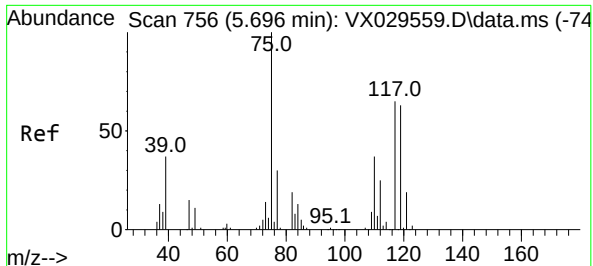
Tgt Ion:114 Resp: 435201
Ion Ratio Lower Upper
114 100
63 19.5 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.046 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion:113 Resp: 130592
Ion Ratio Lower Upper
113 100
111 102.4 82.8 124.2
192 18.8 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.959 ug/l

RT: 5.550 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX029678.D

Acq: 21 Jun 2022 21:36

Instrument :

MSVOA_X

ClientSampleId :

FB061322

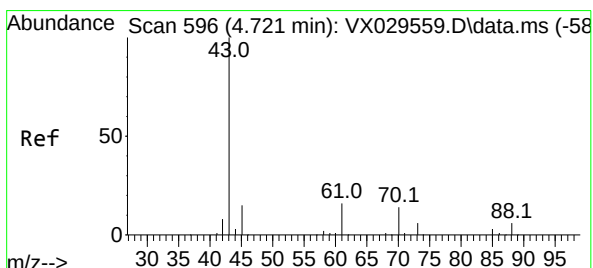
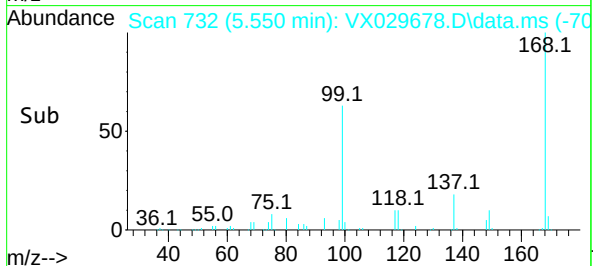
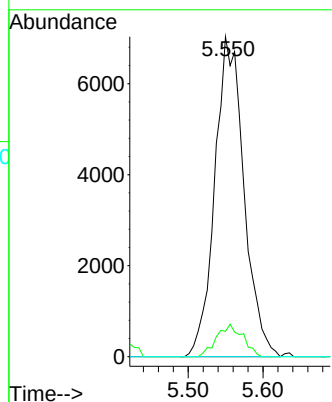
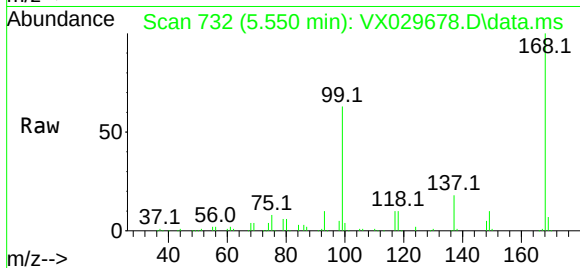
Tgt Ion: 75 Resp: 19035

Ion Ratio Lower Upper

75 100

110 9.1 18.3 54.8#

77 0.0 24.8 37.2#



#37

Ethyl Acetate

Concen: 0.557 ug/l

RT: 4.587 min Scan# 574

Delta R.T. -0.134 min

Lab File: VX029678.D

Acq: 21 Jun 2022 21:36

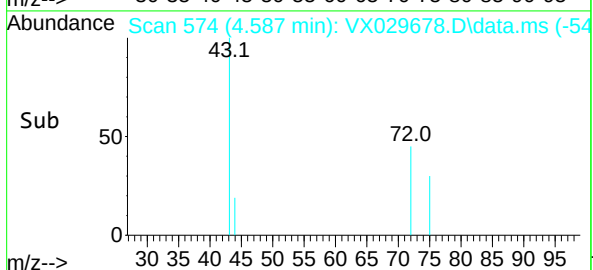
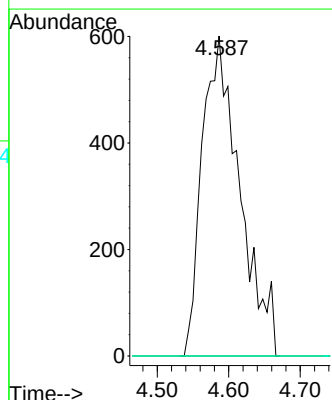
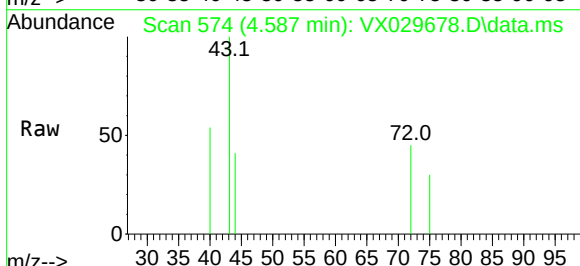
Tgt Ion: 43 Resp: 2191

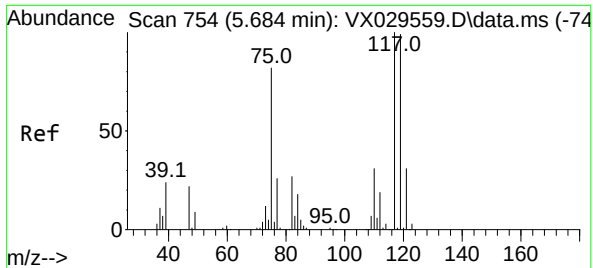
Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

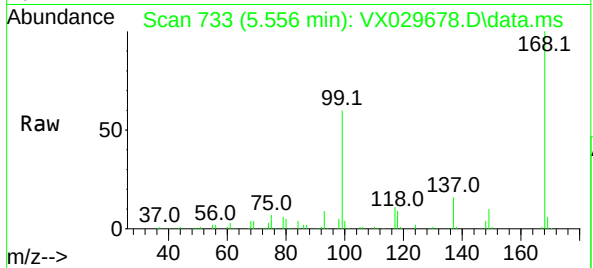
70 0.0 10.2 15.2#



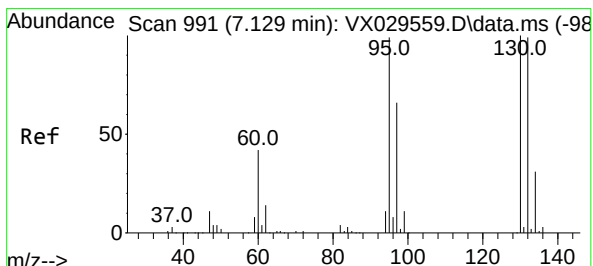
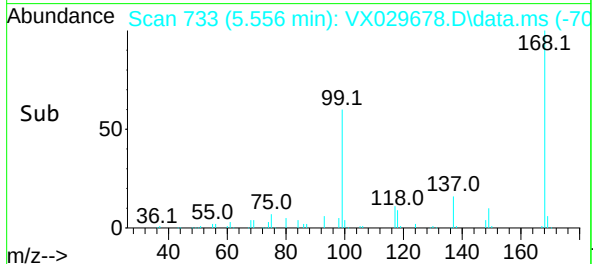
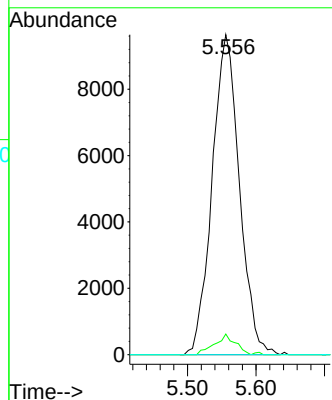


#38
Carbon Tetrachloride
Concen: 7.052 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Instrument :
MSVOA_X
ClientSampleId :
FB061322

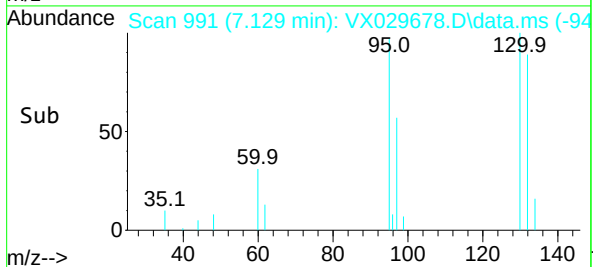
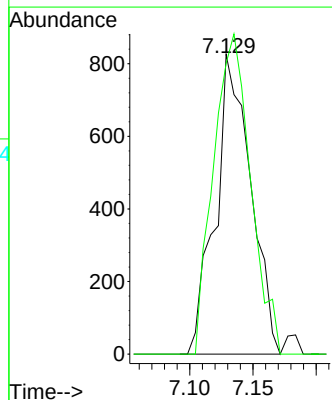
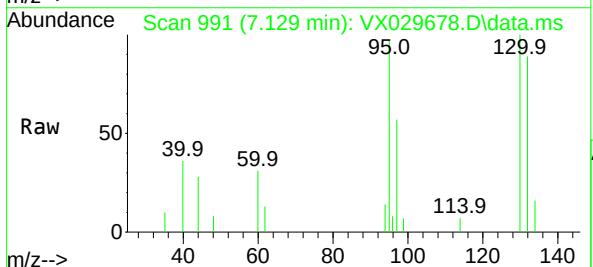


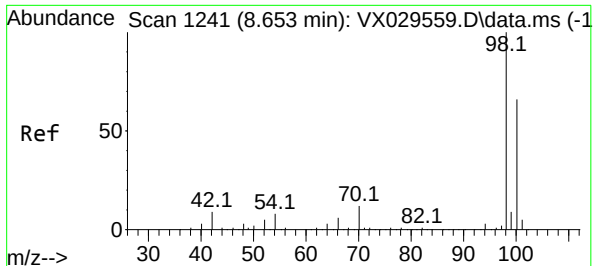
Tgt Ion:117 Resp: 26620
Ion Ratio Lower Upper
117 100
119 6.5 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion:130 Resp: 1604
Ion Ratio Lower Upper
130 100
95 97.0 0.0 188.8

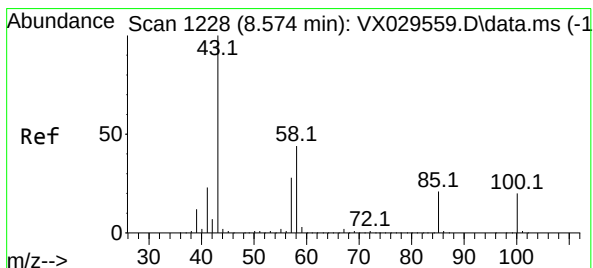
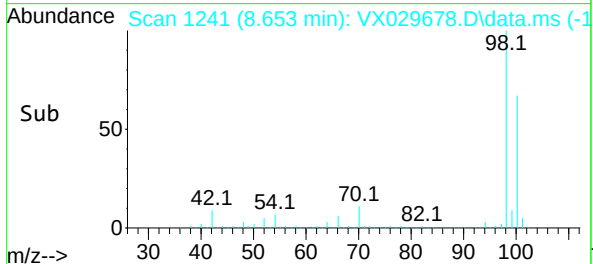
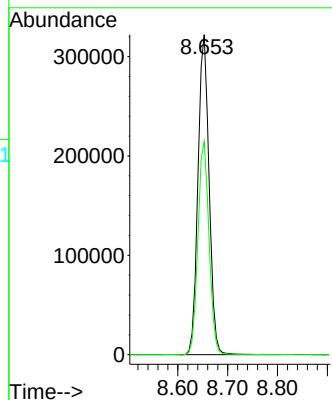
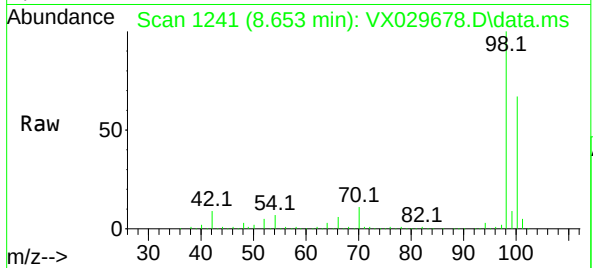




#50
Toluene-d8
Concen: 48.025 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

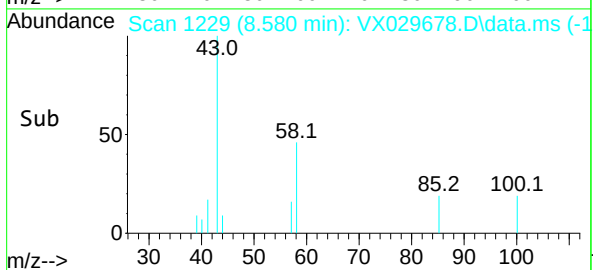
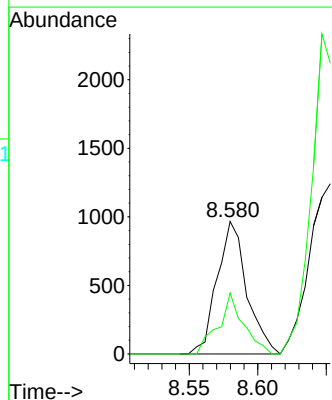
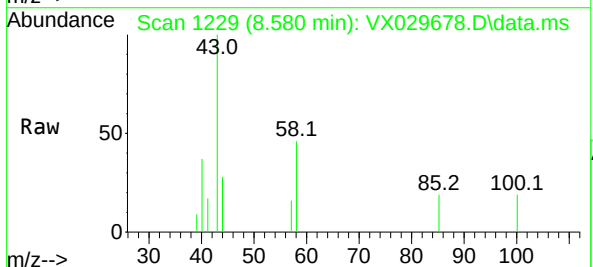
Instrument :
MSVOA_X
ClientSampleId :
FB061322

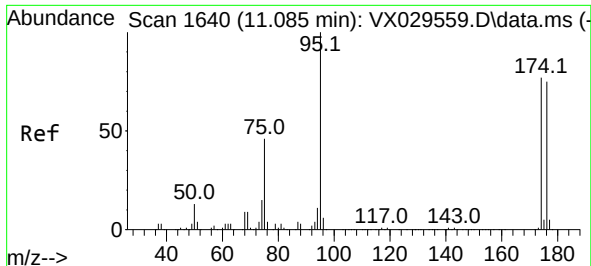
Tgt Ion: 98 Resp: 497586
Ion Ratio Lower Upper
98 100
100 66.7 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.369 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.006 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 43 Resp: 1455
Ion Ratio Lower Upper
43 100
58 39.0 36.1 54.1

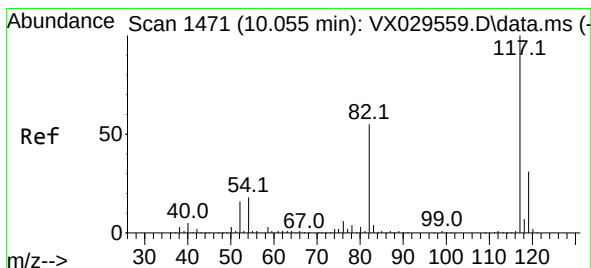
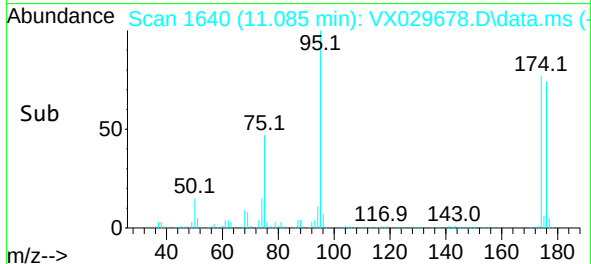
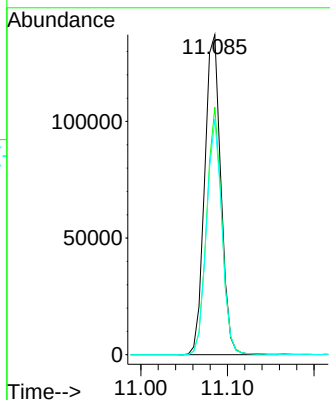
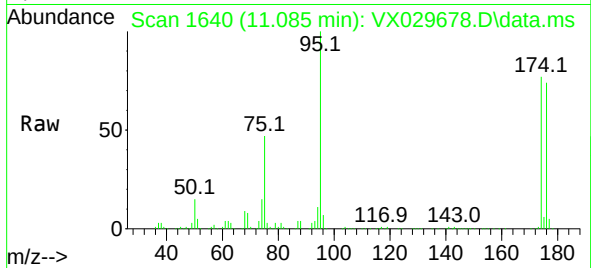




#62
4-Bromofluorobenzene
Concen: 45.658 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

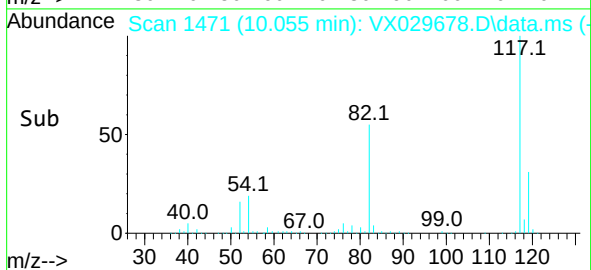
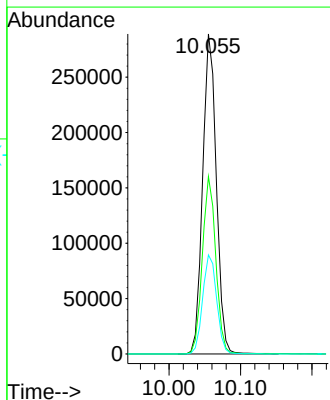
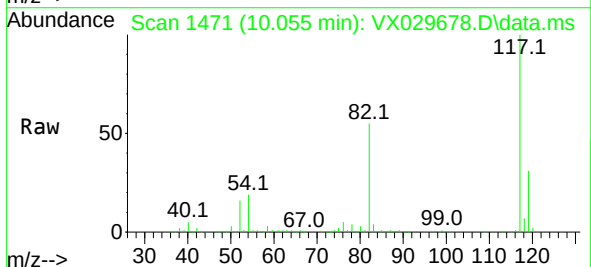
Instrument :
MSVOA_X
ClientSampleId :
FB061322

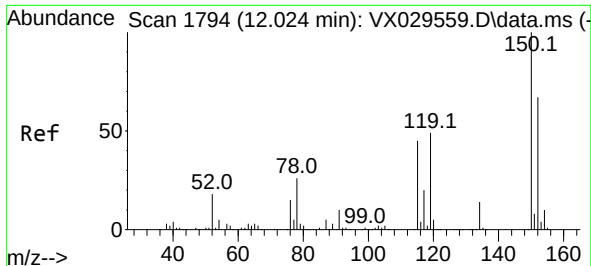
Tgt Ion: 95 Resp: 178398
Ion Ratio Lower Upper
95 100
174 72.5 0.0 163.0
176 70.1 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029678.D
Acq: 21 Jun 2022 21:36

Tgt Ion: 117 Resp: 383813
Ion Ratio Lower Upper
117 100
82 55.5 41.8 62.8
119 31.0 24.8 37.2

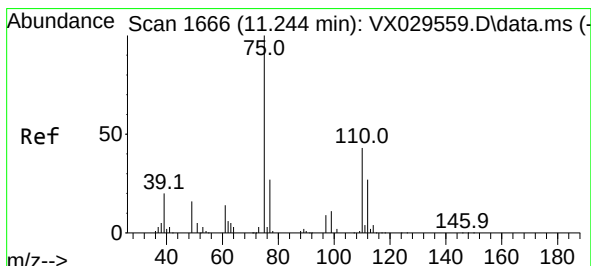
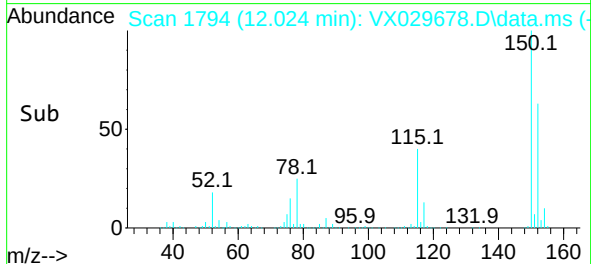
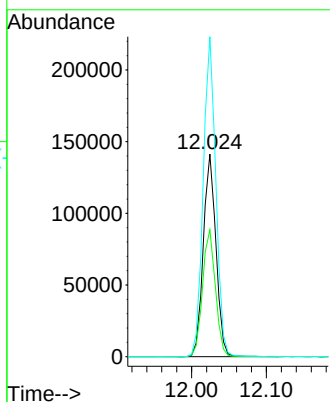
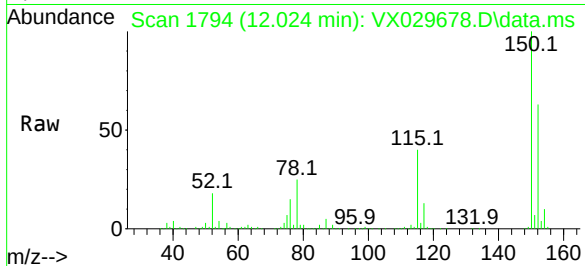




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX029678.D
 Acq: 21 Jun 2022 21:36

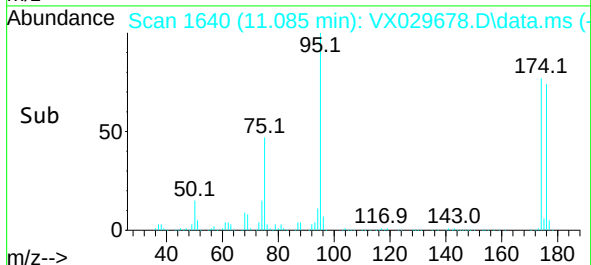
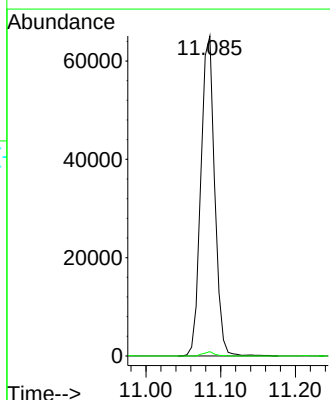
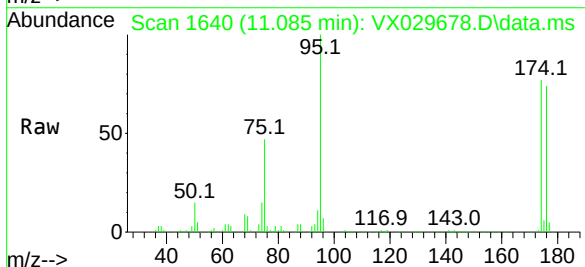
Instrument :
 MSVOA_X
 ClientSampleId :
 FB061322

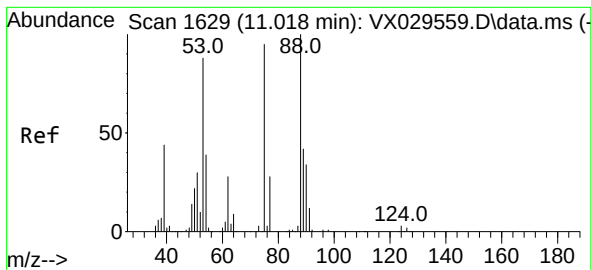
Tgt Ion:152 Resp: 166315
 Ion Ratio Lower Upper
 152 100
 115 63.8 37.5 112.7
 150 157.3 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.111 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. -0.159 min
 Lab File: VX029678.D
 Acq: 21 Jun 2022 21:36

Tgt Ion: 75 Resp: 83734
 Ion Ratio Lower Upper
 75 100
 77 1.1 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 76.884 ug/l
 RT: 11.085 min Scan# 1
 Delta R.T. 0.067 min
 Lab File: VX029678.D
 Acq: 21 Jun 2022 21:36

Instrument :
 MSVOA_X
 ClientSampleId :
 FB061322

Tgt Ion: 75 Resp: 83734
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

