

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062322\
 Data File : VX029751.D
 Acq On : 23 Jun 2022 18:00
 Operator : JC/MD
 Sample : N3389-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Quant Time: Jun 24 05:40:45 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)

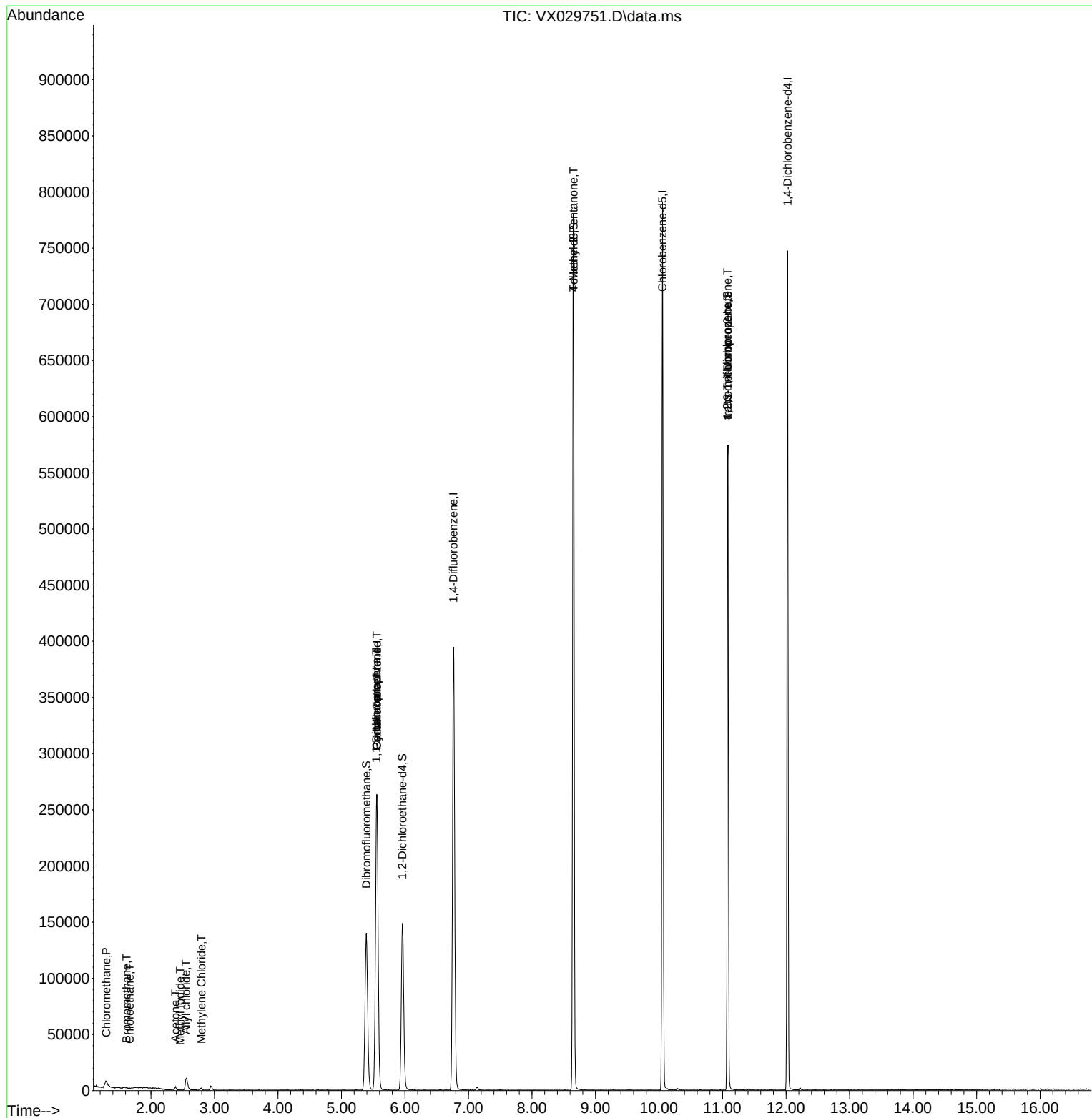
Internal Standards						
1) Pentafluorobenzene	5.556	168	251197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	422690	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	362925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	154762	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	142961	42.994	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	85.980%		
35) Dibromofluoromethane	5.391	113	124551	45.215	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.440%		
50) Toluene-d8	8.653	98	479302	47.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.260%		
62) 4-Bromofluorobenzene	11.079	95	170026	44.804	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.600%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	969	0.296	ug/l	95
5) Bromomethane	1.618	94	381	0.248	ug/l	86
6) Chloroethane	1.666	64	519	1.506	ug/l #	43
10) Methyl Iodide	2.459	142	232	3.090	ug/l #	51
11) Tert butyl alcohol	2.940	59	2257	Below Cal	#	72
14) Allyl chloride	2.550	41	1342	0.327	ug/l #	41
16) Acetone	2.386	43	2842	2.144	ug/l	100
20) Methylene Chloride	2.794	84	910	0.308	ug/l #	95
31) Cyclohexane	5.556	56	4587	1.028	ug/l #	1
36) 1,1-Dichloropropene	5.550	75	18990	5.094	ug/l #	49
38) Carbon Tetrachloride	5.556	117	25778	7.031	ug/l #	15
44) Trichloroethene	7.129	130	1179	Below Cal		80
51) 4-Methyl-2-Pentanone	8.653	43	1838	0.480	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	81225	24.092	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	81225	80.147	ug/l #	15

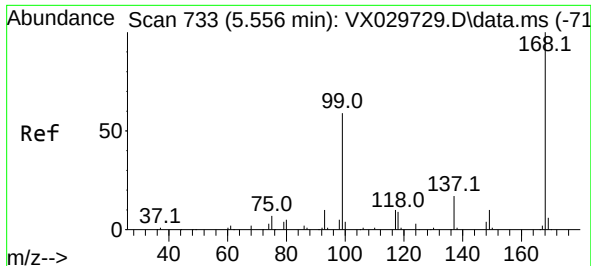
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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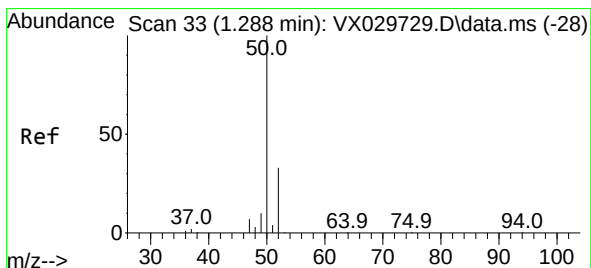
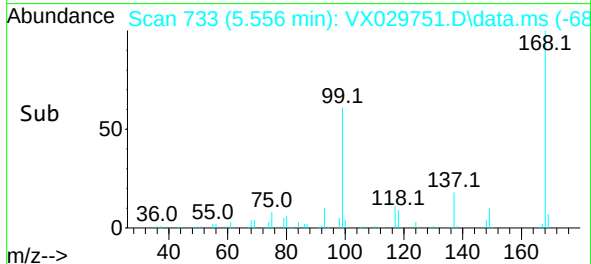
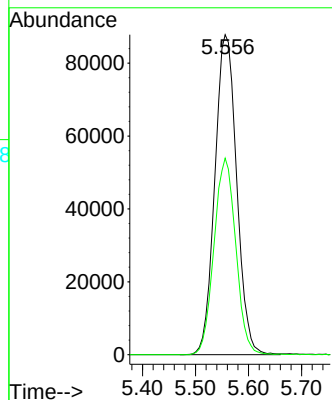
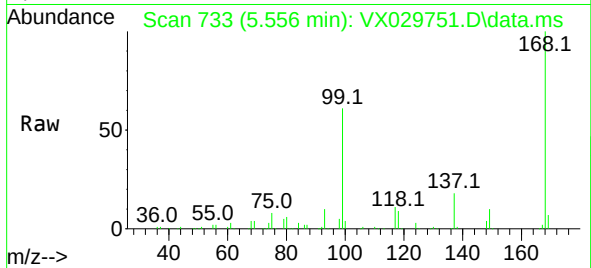




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

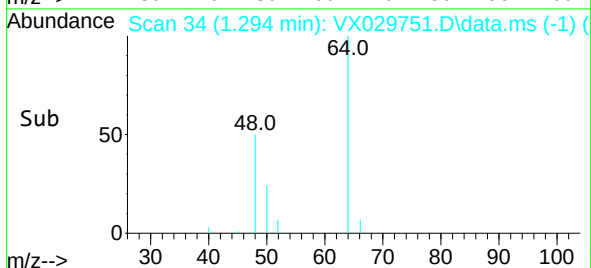
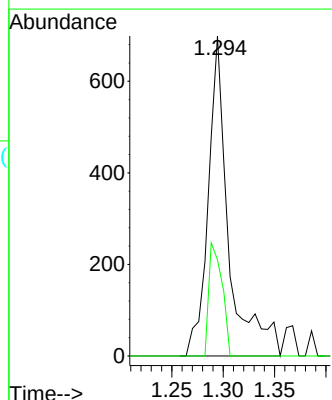
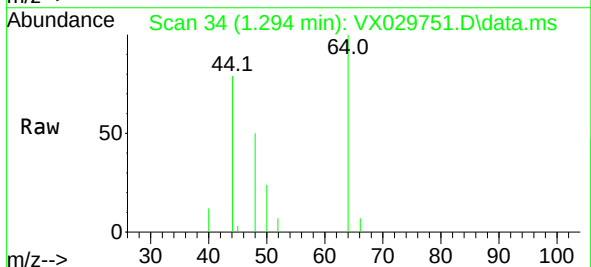
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

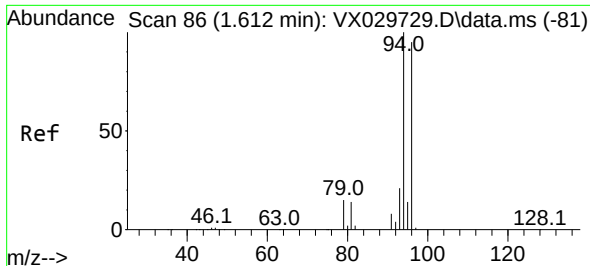
Tgt Ion:168 Resp: 251197
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#3
Chloromethane
Concen: 0.296 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 50 Resp: 969
Ion Ratio Lower Upper
50 100
52 30.0 26.4 39.6

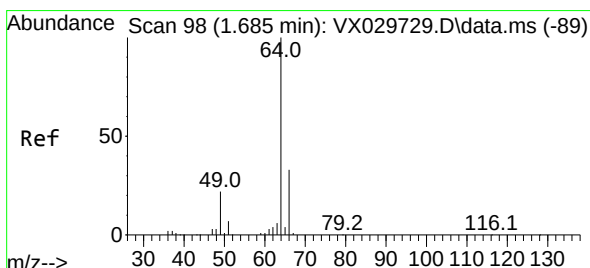
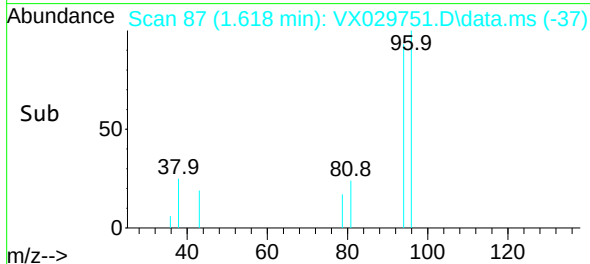
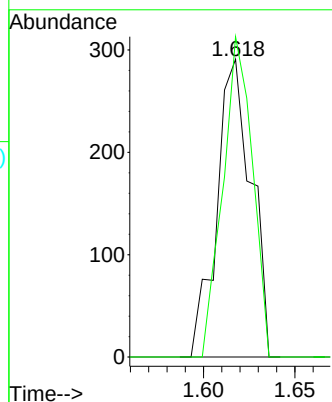
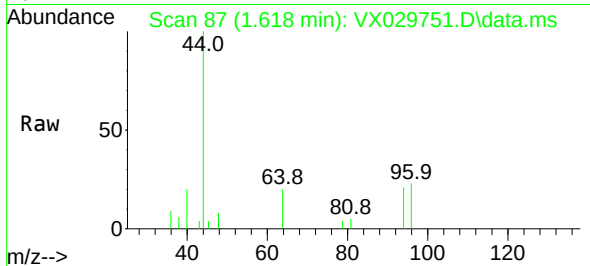




#5
Bromomethane
Concen: 0.248 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

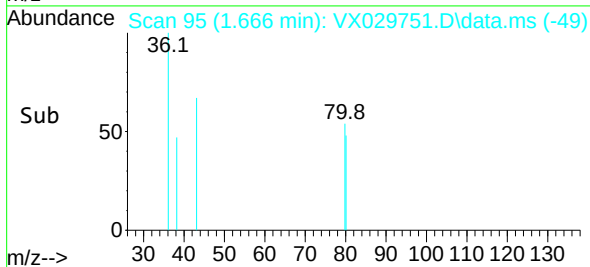
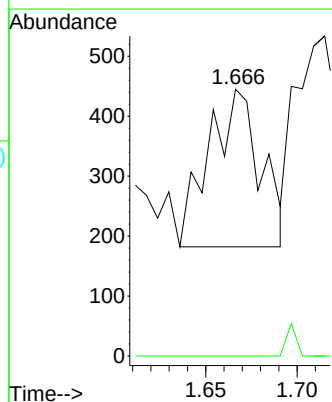
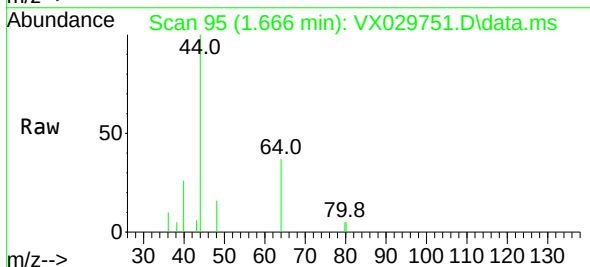
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

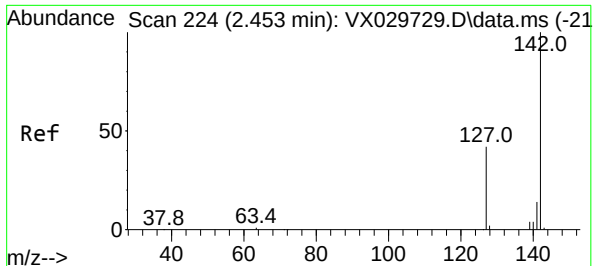
Tgt Ion: 94 Resp: 381
Ion Ratio Lower Upper
94 100
96 107.6 75.3 112.9



#6
Chloroethane
Concen: 1.506 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 64 Resp: 519
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#

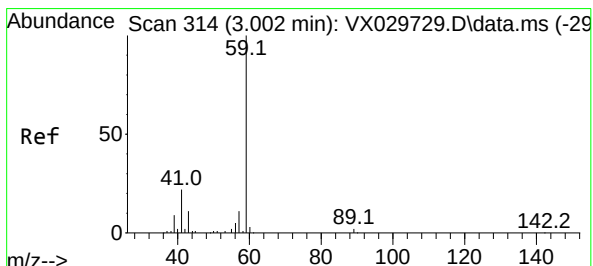
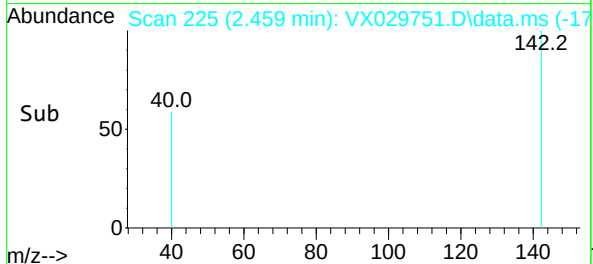
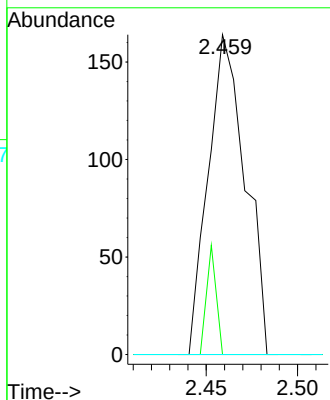
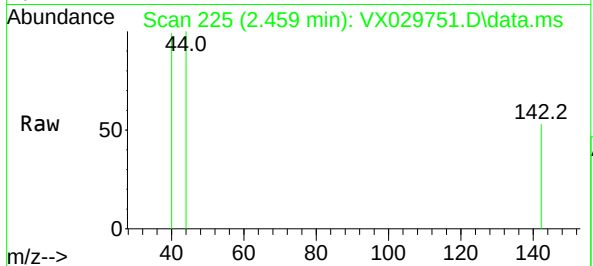




#10
Methyl Iodide
Concen: 3.090 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

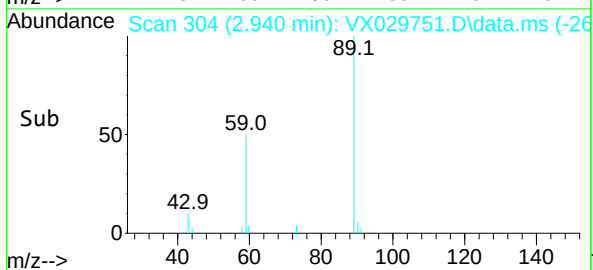
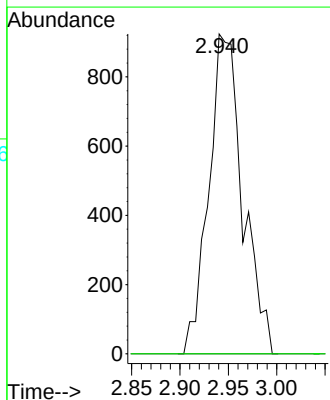
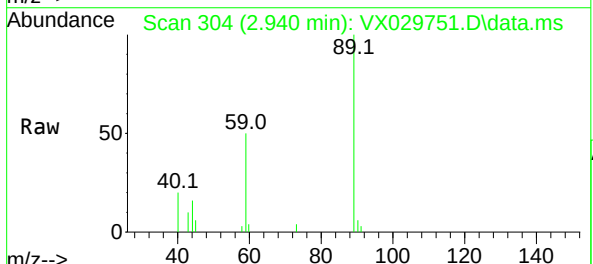
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

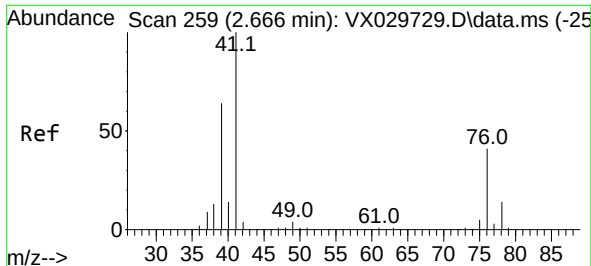
Tgt Ion:142 Resp: 232
Ion Ratio Lower Upper
142 100
127 8.6 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 59 Resp: 2257
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

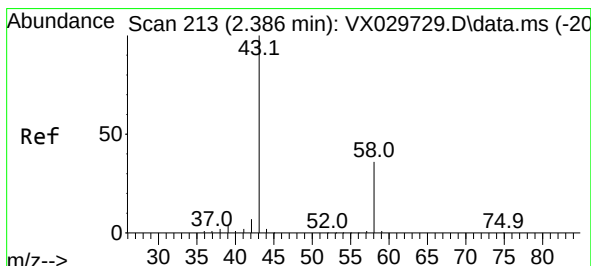
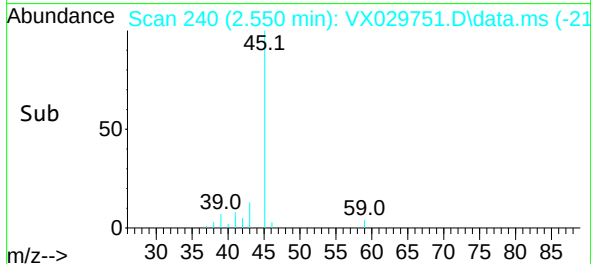
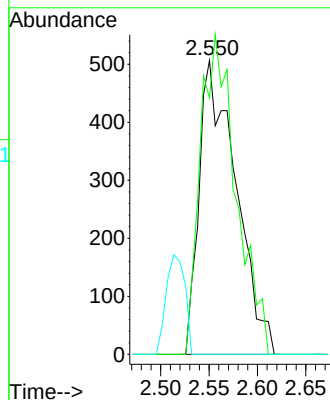
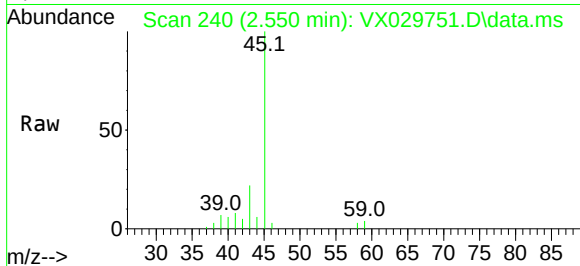




#14
 Allyl chloride
 Concen: 0.327 ug/l
 RT: 2.550 min Scan# 24
 Delta R.T. -0.116 min
 Lab File: VX029751.D
 Acq: 23 Jun 2022 18:00

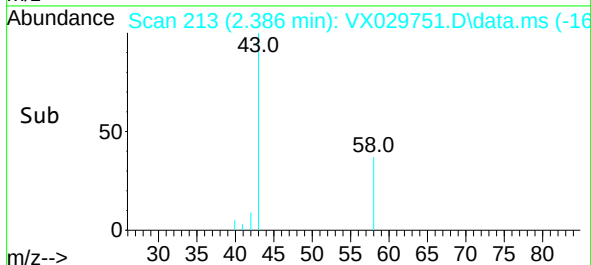
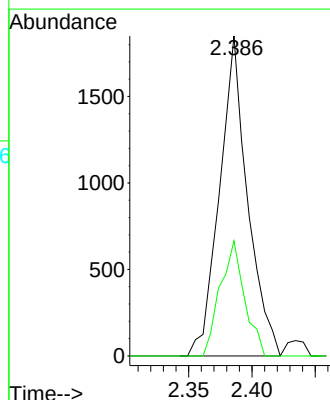
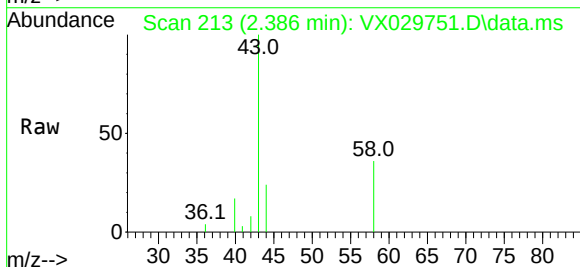
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

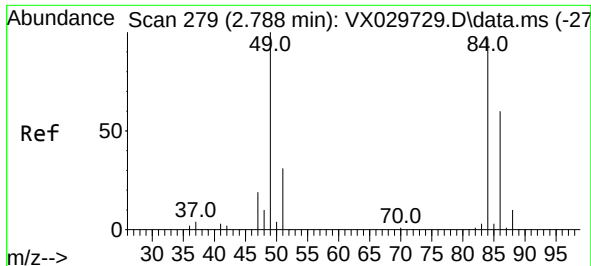
Tgt Ion: 41 Resp: 1342
 Ion Ratio Lower Upper
 41 100
 39 105.7 50.4 75.6#
 76 0.0 32.7 49.1#



#16
 Acetone
 Concen: 2.144 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. -0.000 min
 Lab File: VX029751.D
 Acq: 23 Jun 2022 18:00

Tgt Ion: 43 Resp: 2842
 Ion Ratio Lower Upper
 43 100
 58 35.9 28.8 43.2

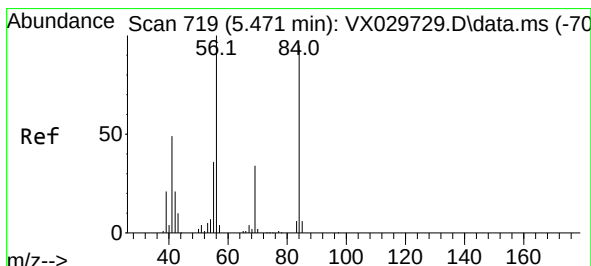
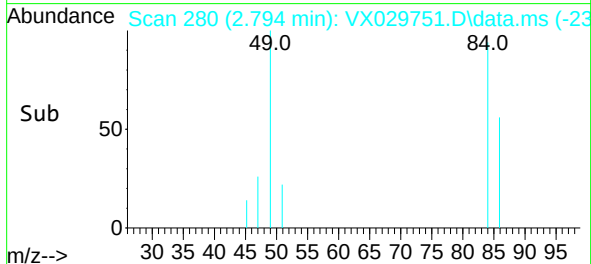
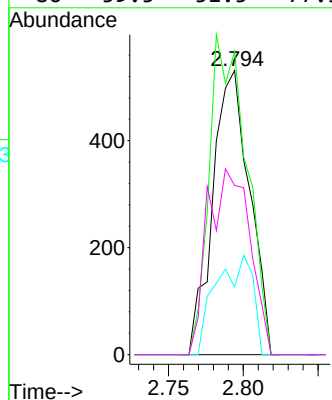
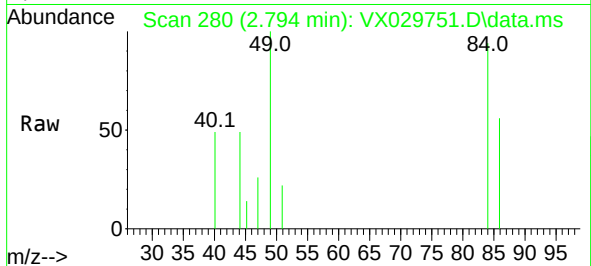




#20
Methylene Chloride
Concen: 0.308 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

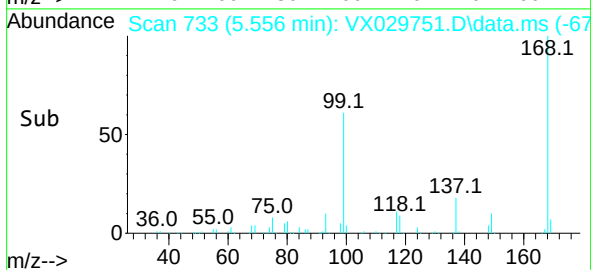
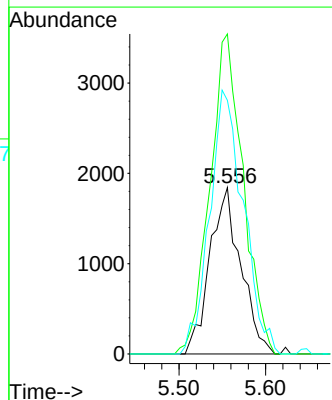
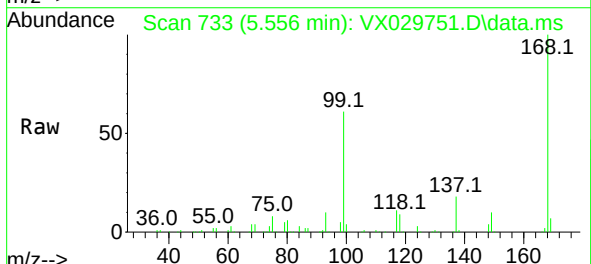
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

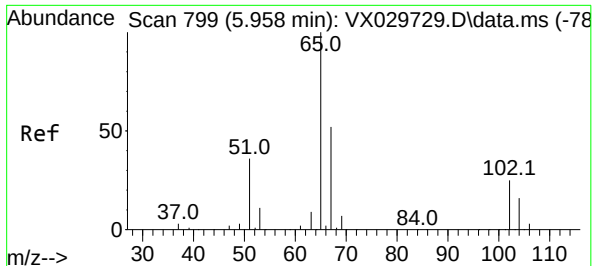
Tgt Ion: 84	Resp: 910
Ion Ratio	Lower Upper
84 100	
49 106.8	85.5 128.3
51 23.7	26.6 39.8#
86 59.5	51.5 77.3



#31
Cyclohexane
Concen: 1.028 ug/l
RT: 5.556 min Scan# 733
Delta R.T. 0.079 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 56	Resp: 4587		
Ion Ratio	Lower	Upper	
56	100		
69	192.3	26.7	40.1#
84	152.4	77.2	115.8#





#33

1,2-Dichloroethane-d4

Concen: 42.994 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029751.D

Acq: 23 Jun 2022 18:00

Instrument :

MSVOA_X

ClientSampleId :

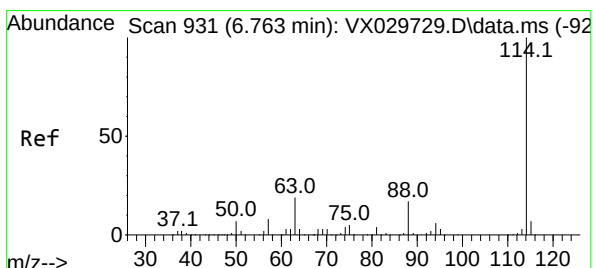
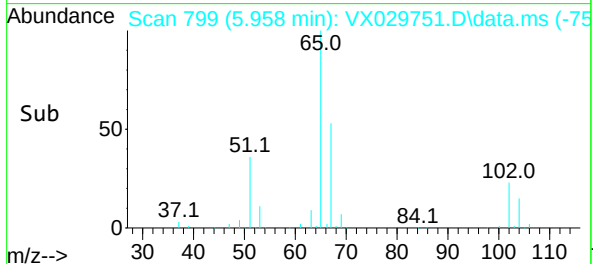
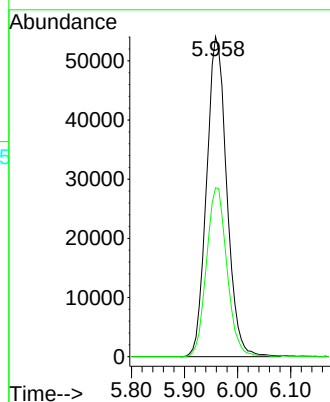
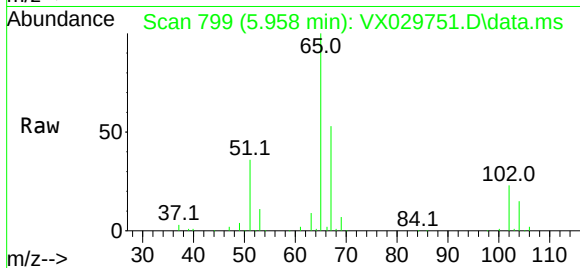
STORAGE-BLANK-WATER-REF-4

Tgt Ion: 65 Resp: 142961

Ion Ratio Lower Upper

65 100

67 53.7 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: VX029751.D

Acq: 23 Jun 2022 18:00

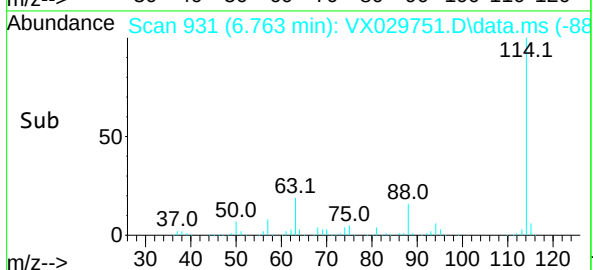
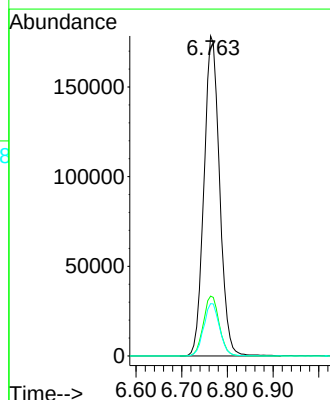
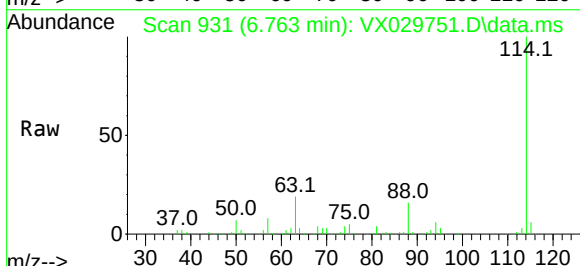
Tgt Ion: 114 Resp: 422690

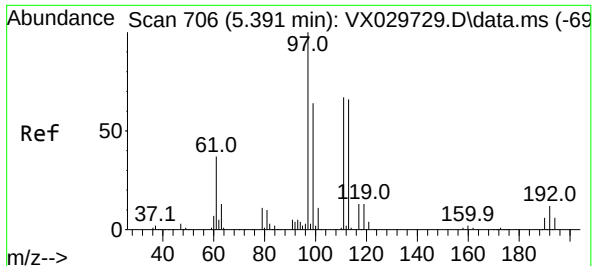
Ion Ratio Lower Upper

114 100

63 18.7 0.0 36.8

88 16.3 0.0 32.4

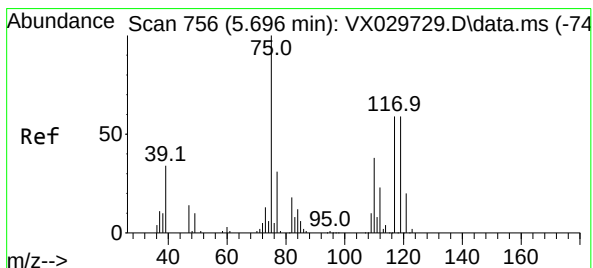
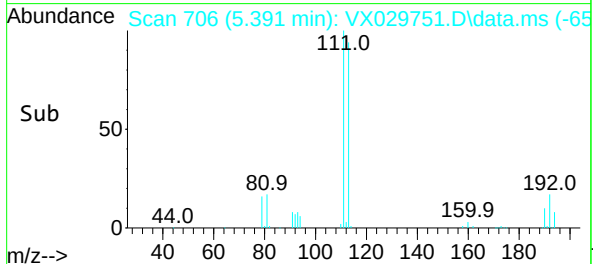
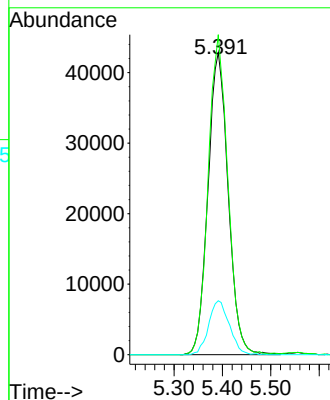
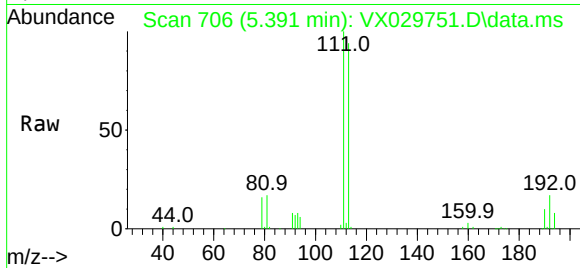




#35
Dibromofluoromethane
Concen: 45.215 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

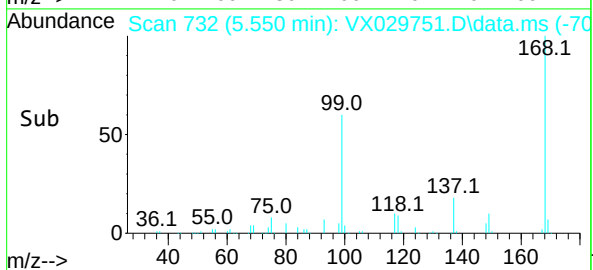
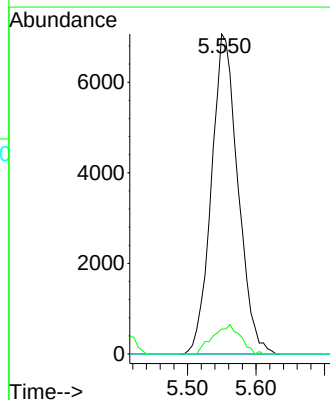
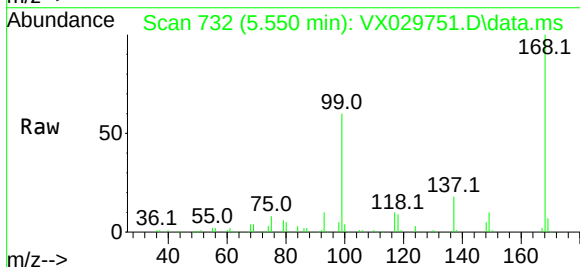
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

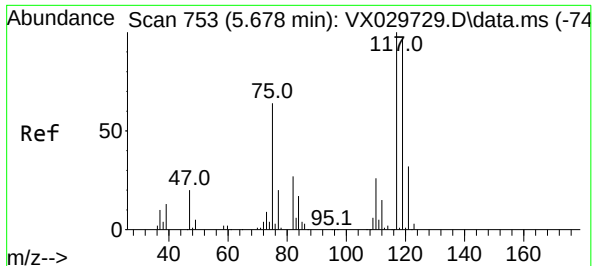
Tgt Ion:113 Resp: 124551
Ion Ratio Lower Upper
113 100
111 103.1 82.8 124.2
192 18.3 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.094 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 75 Resp: 18990
Ion Ratio Lower Upper
75 100
110 9.5 18.3 54.8#
77 0.0 24.8 37.2#

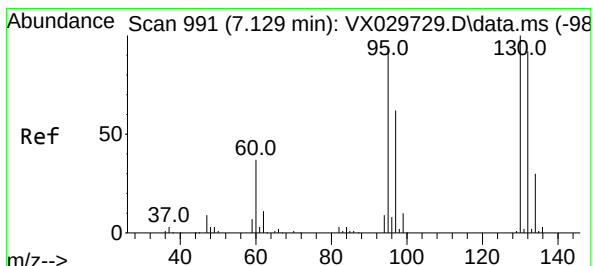
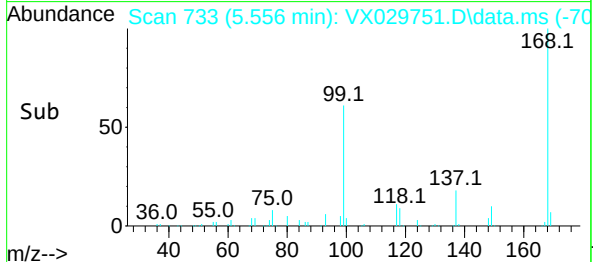
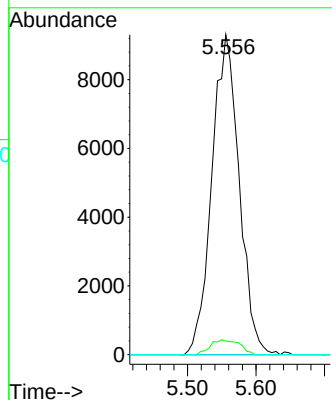
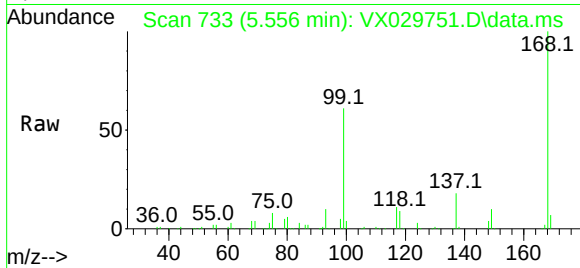




#38
Carbon Tetrachloride
Concen: 7.031 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

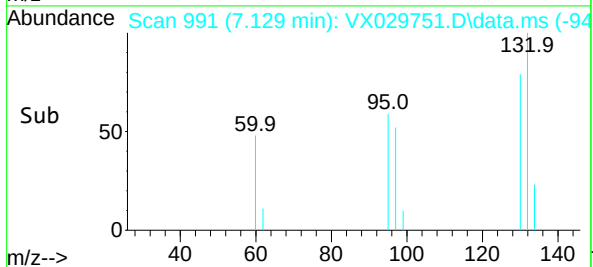
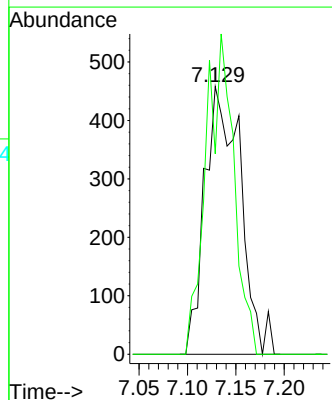
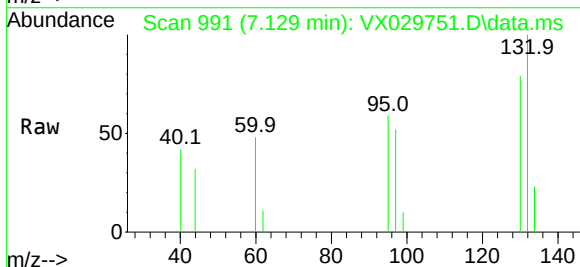
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

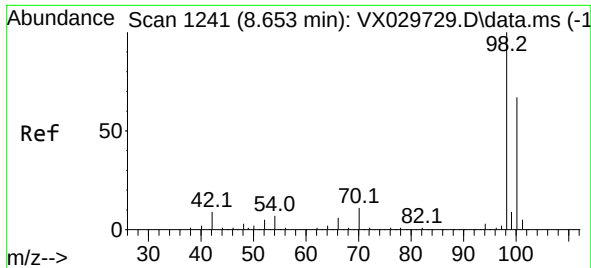
Tgt Ion:117 Resp: 25778
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.129 min Scan# 991
Delta R.T. -0.000 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion:130 Resp: 1179
Ion Ratio Lower Upper
130 100
95 74.9 0.0 188.8

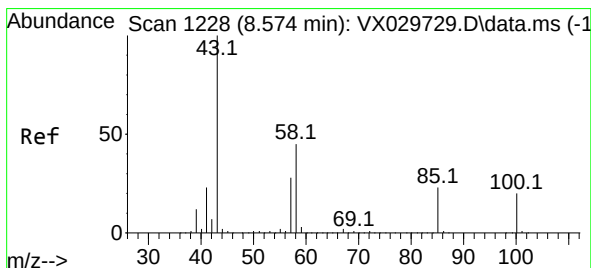
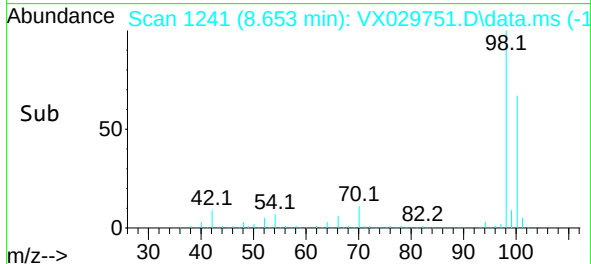
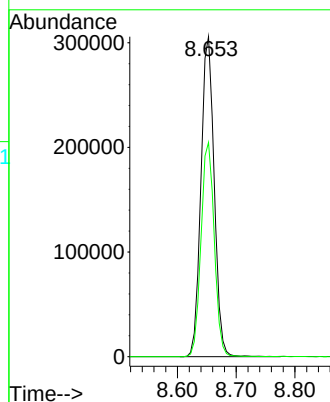
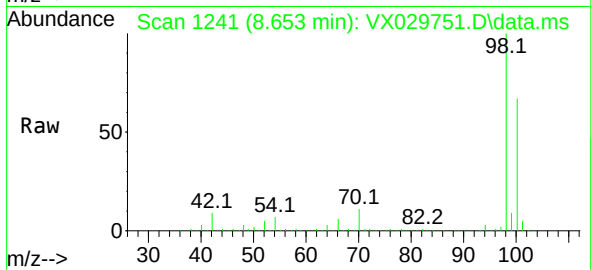




#50
Toluene-d8
Concen: 47.630 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

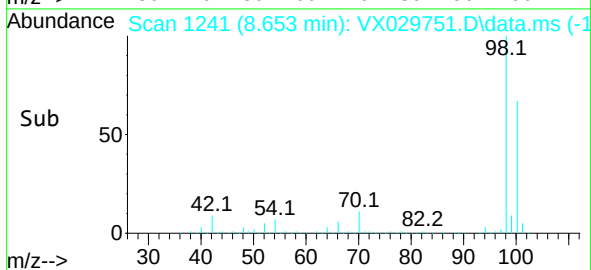
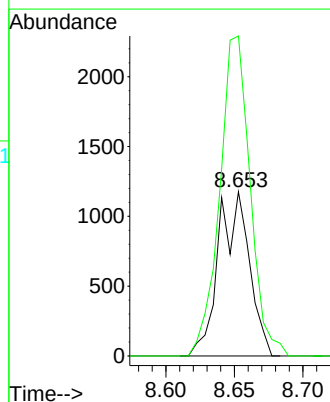
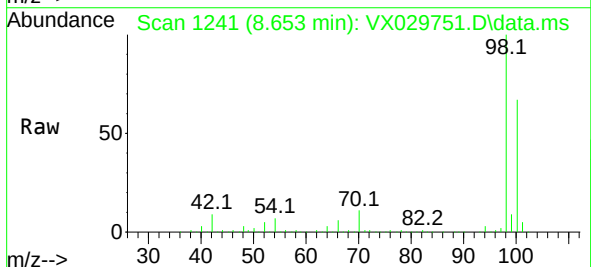
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

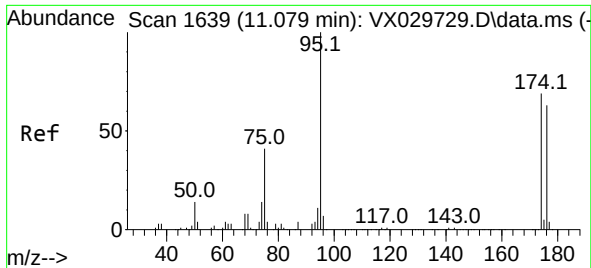
Tgt Ion: 98 Resp: 479302
Ion Ratio Lower Upper
98 100
100 67.0 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 0.480 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 43 Resp: 1838
Ion Ratio Lower Upper
43 100
58 193.2 36.1 54.1#

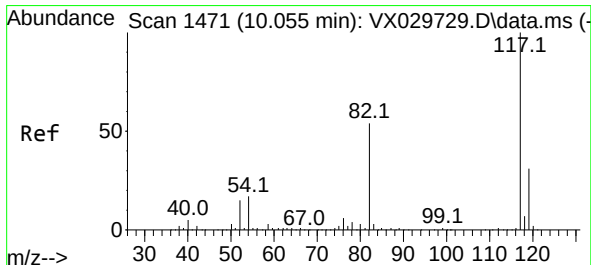
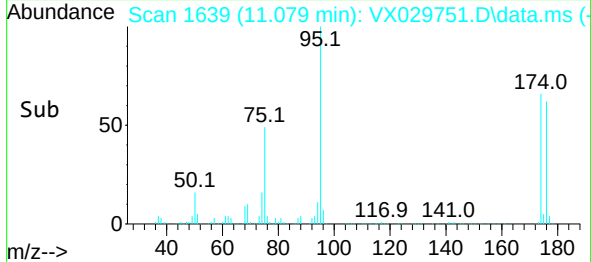
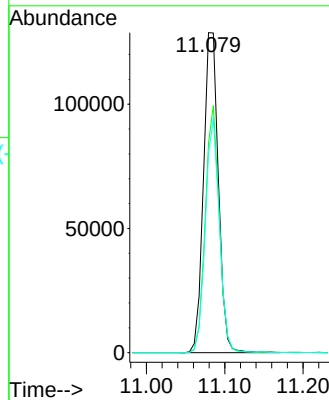
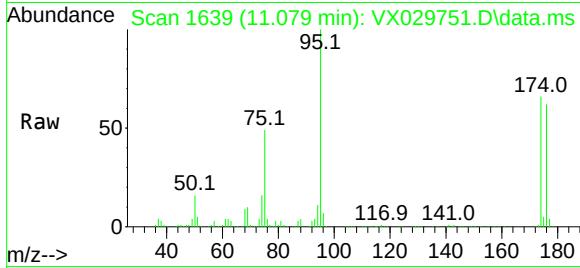




#62
4-Bromofluorobenzene
Concen: 44.804 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

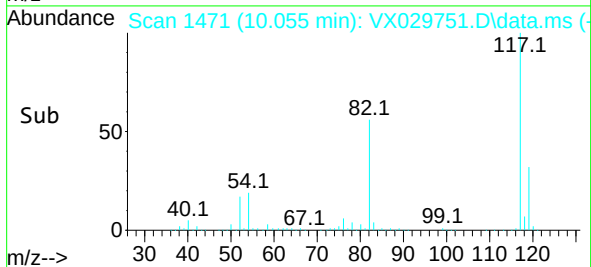
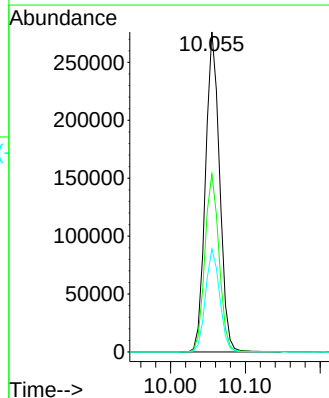
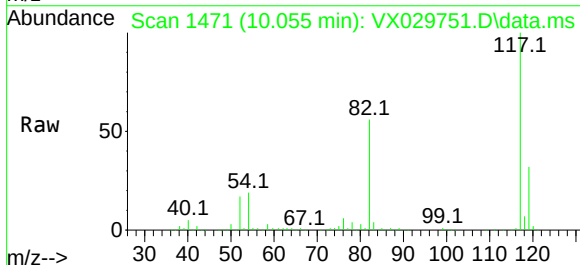
Instrument :
MSVOA_X
ClientSampleId :
STORAGE-BLANK-WATER-REF-4

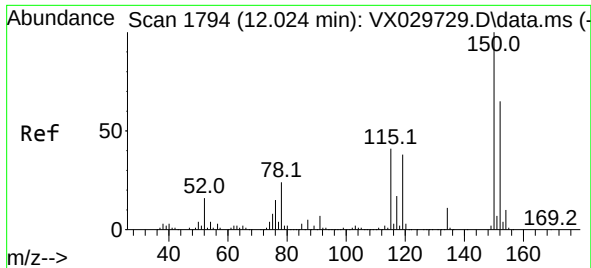
Tgt Ion: 95 Resp: 170026
Ion Ratio Lower Upper
95 100
174 72.4 0.0 163.0
176 69.0 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029751.D
Acq: 23 Jun 2022 18:00

Tgt Ion: 117 Resp: 362925
Ion Ratio Lower Upper
117 100
82 55.6 41.8 62.8
119 32.2 24.8 37.2

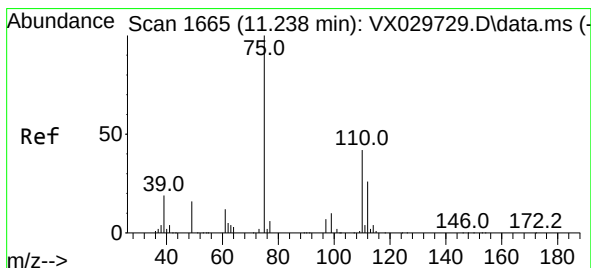
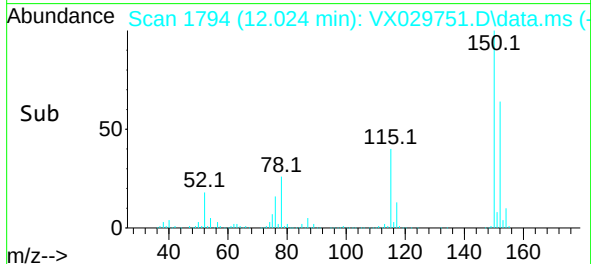
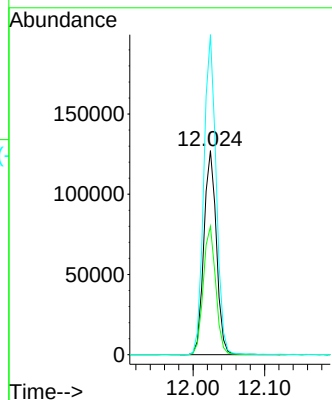
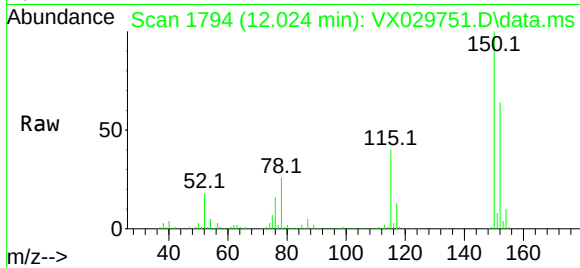




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 1
 Delta R.T. 0.000 min
 Lab File: VX029751.D
 Acq: 23 Jun 2022 18:00

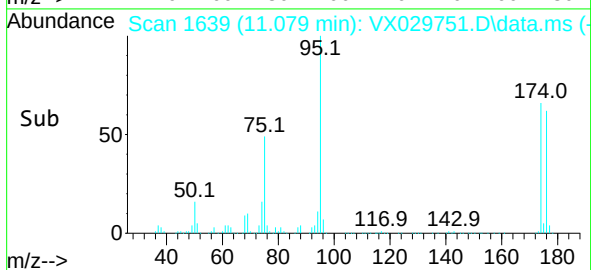
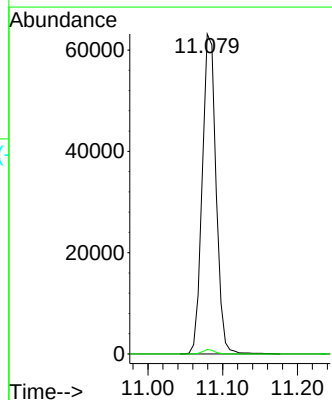
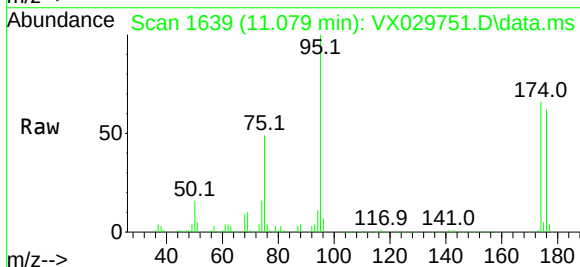
Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

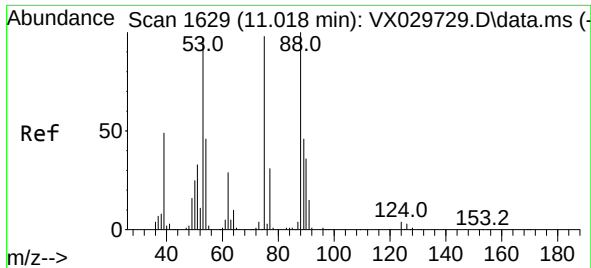
Tgt Ion:152 Resp: 154762
 Ion Ratio Lower Upper
 152 100
 115 62.3 37.5 112.7
 150 155.2 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 24.092 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX029751.D
 Acq: 23 Jun 2022 18:00

Tgt Ion: 75 Resp: 81225
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 80.147 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX029751.D
 Acq: 23 Jun 2022 18:00

Instrument :
 MSVOA_X
 ClientSampleId :
 STORAGE-BLANK-WATER-REF-4

Tgt Ion: 75 Resp: 81225
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

