

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062422\Not Reviewed Data\
 Data File : VX029789.D
 Acq On : 25 Jun 2022 00:47
 Operator : JC/MD
 Sample : VX0624WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBL02

Quant Time: Jul 07 13:20:00 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)

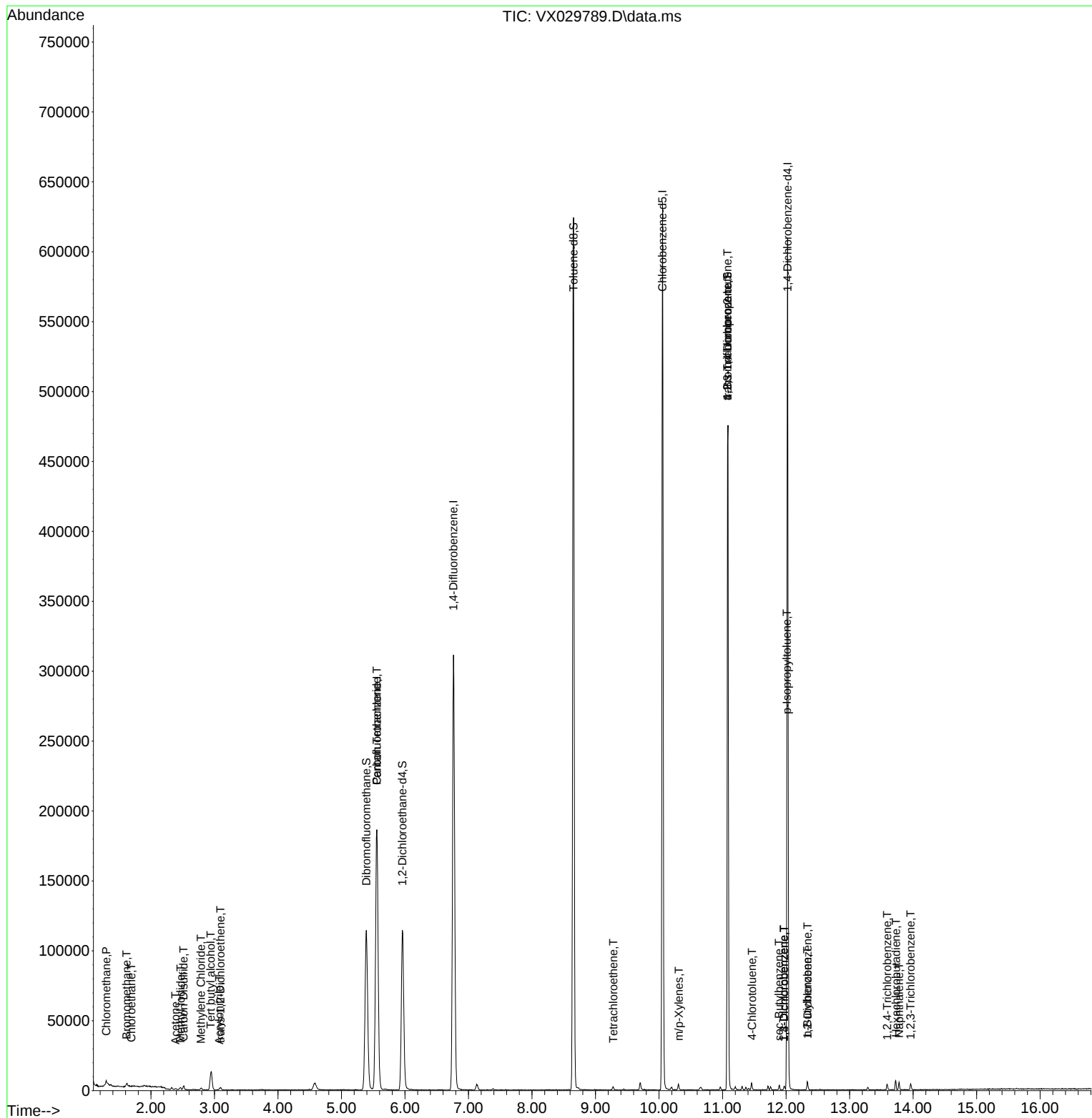
Internal Standards						
1) Pentafluorobenzene	5.556	168	183716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	337366	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	298956	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	126514	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	108684	44.691	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	89.380%		
35) Dibromofluoromethane	5.391	113	102755	46.737	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.480%		
50) Toluene-d8	8.653	98	394406	49.106	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.220%		
62) 4-Bromofluorobenzene	11.079	95	138209	45.630	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	91.260%		
Target Compounds					Qvalue	
3) Chloromethane	1.294	50	997	0.416	ug/l #	79
5) Bromomethane	1.617	94	880	0.782	ug/l	97
6) Chloroethane	1.691	64	184	1.396	ug/l	95
10) Methyl Iodide	2.465	142	1689	3.740	ug/l	96
11) Tert butyl alcohol	2.940	59	7765	5.606	ug/l #	74
15) Acrylonitrile	3.075	53	655	0.576	ug/l #	95
16) Acetone	2.386	43	1037	1.070	ug/l #	68
17) Carbon Disulfide	2.514	76	3478	0.721	ug/l #	91
20) Methylene Chloride	2.788	84	670	0.310	ug/l #	74
21) trans-1,2-Dichloroethene	3.093	96	568	0.279	ug/l #	63
38) Carbon Tetrachloride	5.556	117	18563	6.344	ug/l #	16
44) Trichloroethene	7.141	130	1685	Below Cal		90
64) Tetrachloroethene	9.281	164	477	0.221	ug/l	90
68) m/p-Xylenes	10.311	106	1200	0.292	ug/l	90
76) 1,2,3-Trichloropropane	11.079	75	65940	23.925	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	65940	79.593	ug/l #	15
82) 4-Chlorotoluene	11.463	91	1710	0.227	ug/l	100
85) sec-Butylbenzene	11.890	105	2002	0.207	ug/l	97
86) p-Isopropyltoluene	12.012	119	1767	0.219	ug/l #	71
87) 1,3-Dichlorobenzene	11.969	146	1293	0.314	ug/l	92
88) 1,4-Dichlorobenzene	11.969	146	1293	0.314	ug/l	91
89) n-Butylbenzene	12.335	91	1888	0.277	ug/l	94
91) 1,2-Dichlorobenzene	12.341	146	930	0.229	ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	1367	0.553	ug/l	93
94) Hexachlorobutadiene	13.731	225	1088	1.075	ug/l	93
95) Naphthalene	13.780	128	3882	0.437	ug/l	98
96) 1,2,3-Trichlorobenzene	13.963	180	1231	0.497	ug/l	93

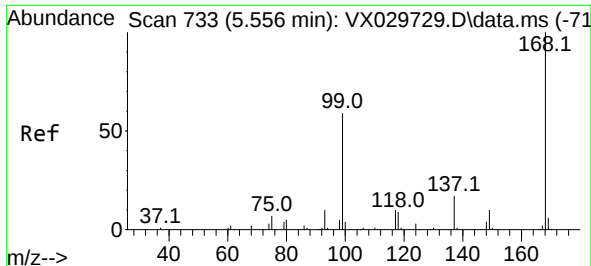
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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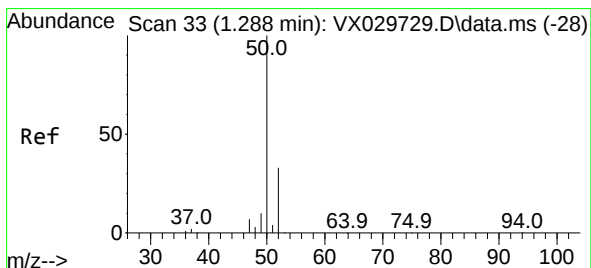
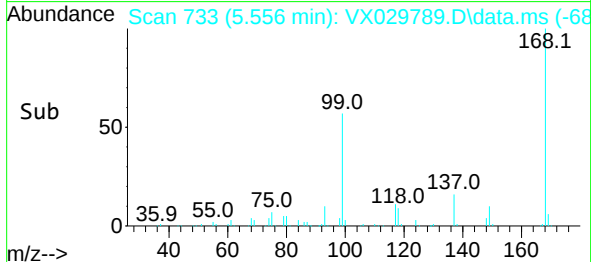
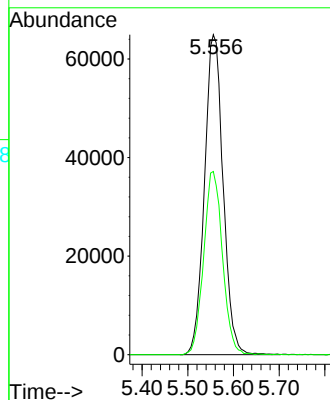
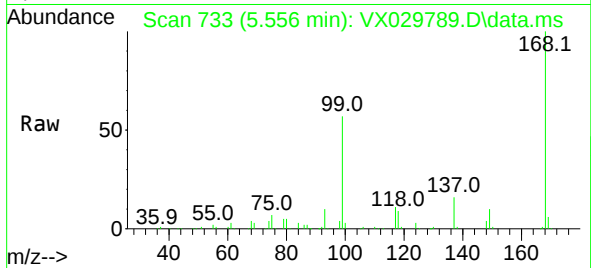




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

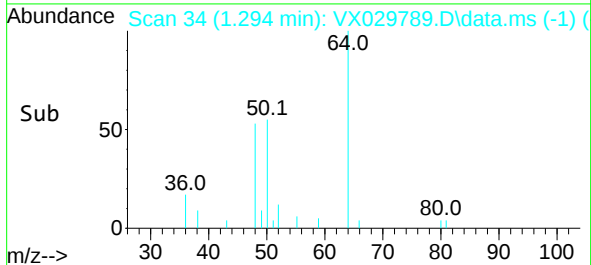
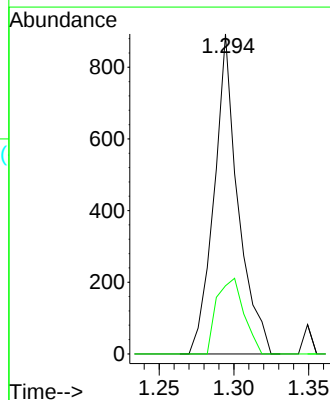
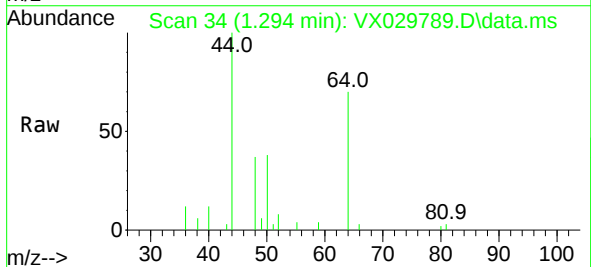
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

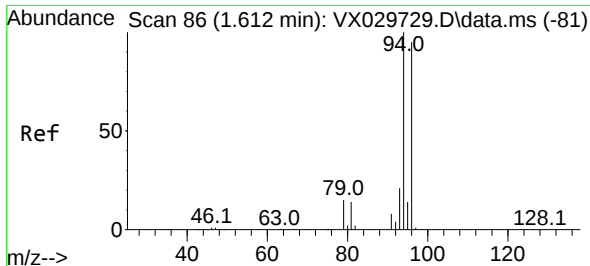
Tgt Ion:168 Resp: 183716
Ion Ratio Lower Upper
168 100
99 57.3 41.7 62.5



#3
Chloromethane
Concen: 0.416 ug/l
RT: 1.294 min Scan# 34
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 50 Resp: 997
Ion Ratio Lower Upper
50 100
52 21.3 26.4 39.6#

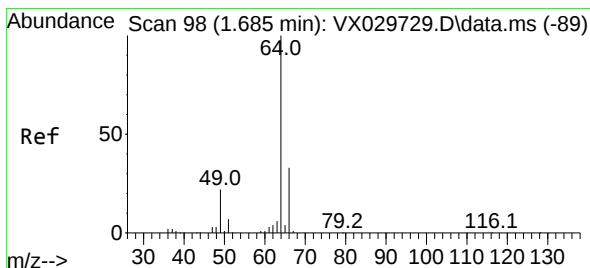
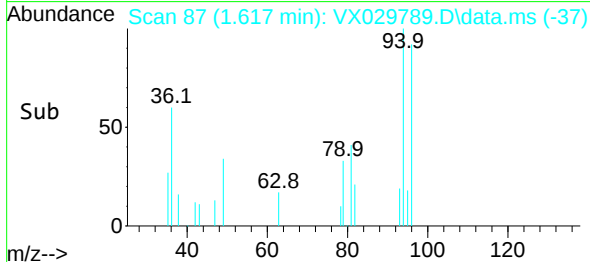
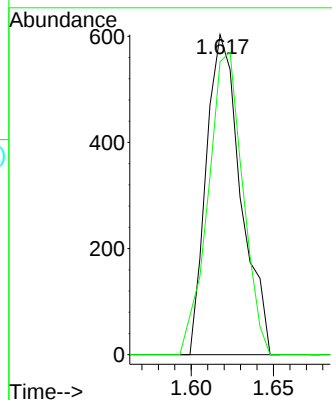
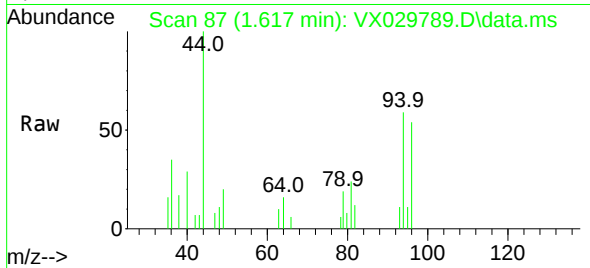




#5
Bromomethane
Concen: 0.782 ug/l
RT: 1.617 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

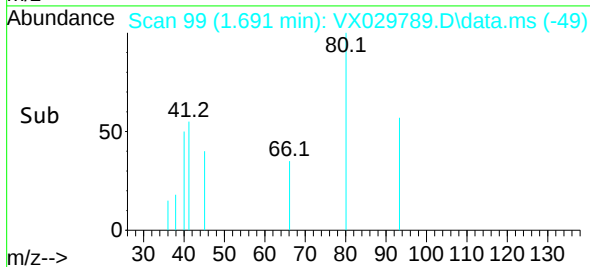
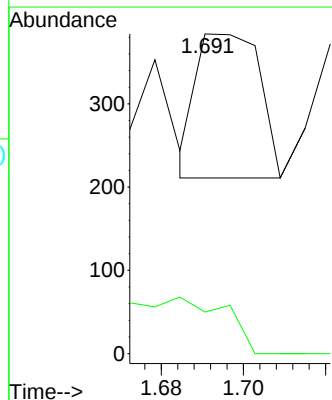
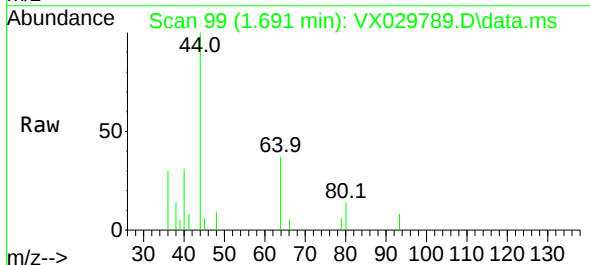
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

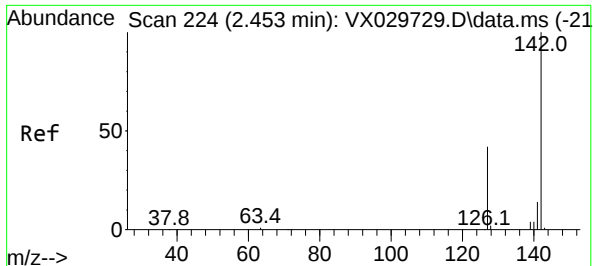
Tgt Ion: 94 Resp: 880
Ion Ratio Lower Upper
94 100
96 91.5 75.3 112.9



#6
Chloroethane
Concen: 1.396 ug/l
RT: 1.691 min Scan# 99
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

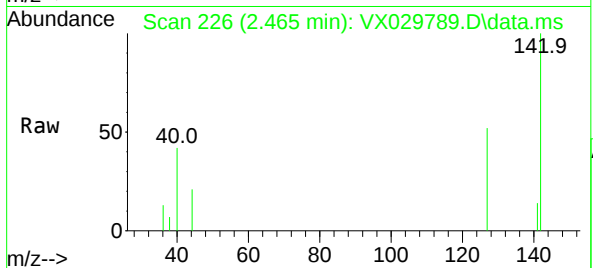
Tgt Ion: 64 Resp: 184
Ion Ratio Lower Upper
64 100
66 28.9 25.3 37.9



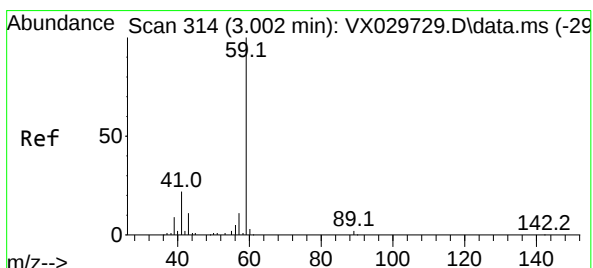
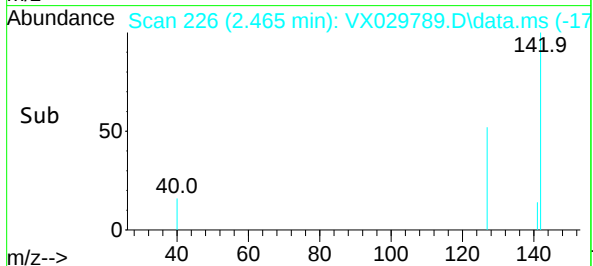
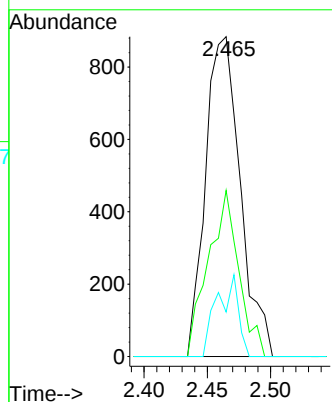


#10
Methyl Iodide
Concen: 3.740 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

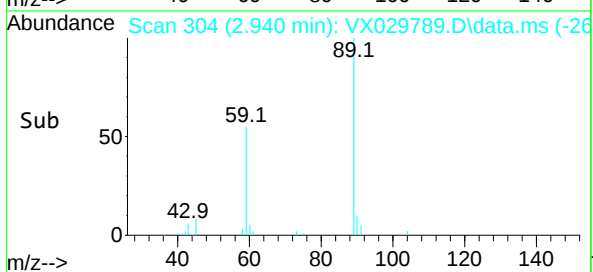
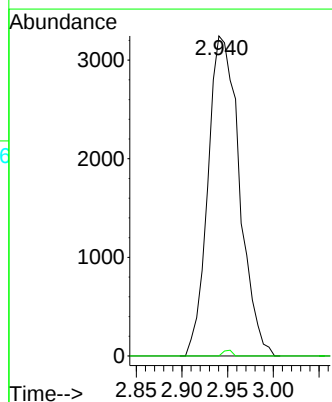
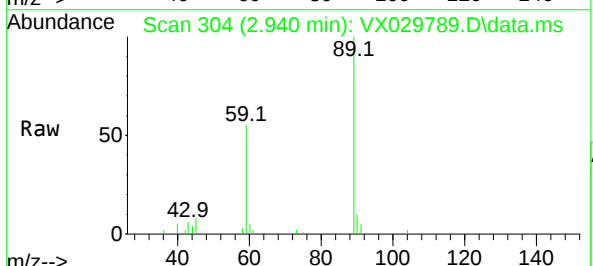


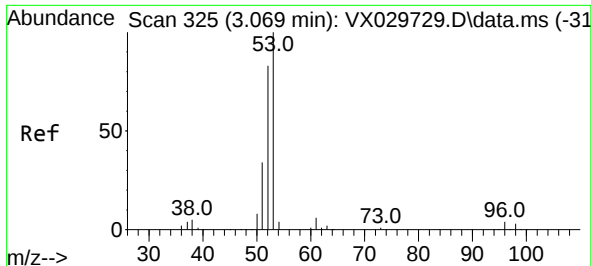
Tgt Ion:142 Resp: 1689
Ion Ratio Lower Upper
142 100
127 45.5 33.9 50.9
141 15.6 11.4 17.2



#11
Tert butyl alcohol
Concen: 5.606 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 59 Resp: 7765
Ion Ratio Lower Upper
59 100
57 0.5 8.3 12.5#





#15

Acrylonitrile

Concen: 0.576 ug/l

RT: 3.075 min Scan# 31

Delta R.T. 0.007 min

Lab File: VX029789.D

Acq: 25 Jun 2022 00:47

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBL02

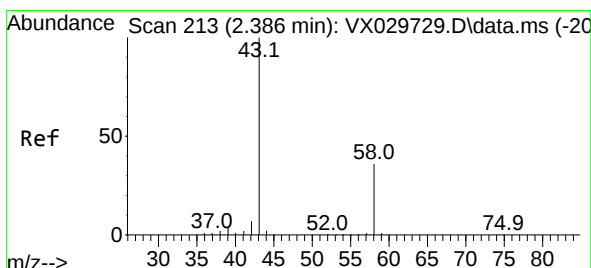
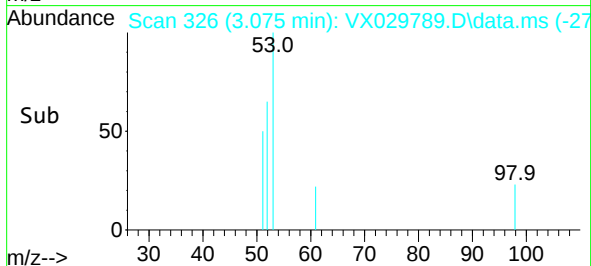
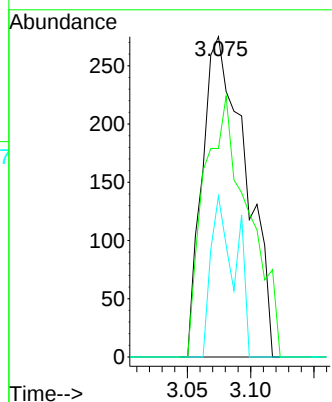
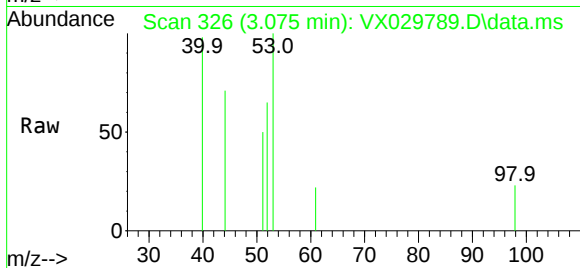
Tgt Ion: 53 Resp: 655

Ion Ratio Lower Upper

53 100

52 83.5 65.7 98.5

51 28.2 28.4 42.6#



#16

Acetone

Concen: 1.070 ug/l

RT: 2.386 min Scan# 213

Delta R.T. -0.000 min

Lab File: VX029789.D

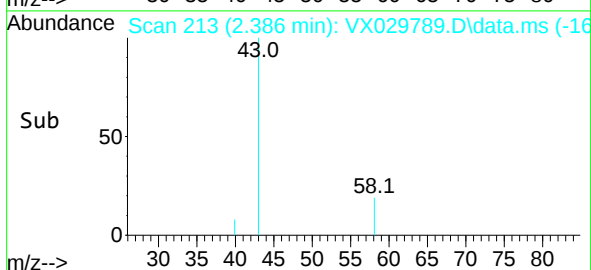
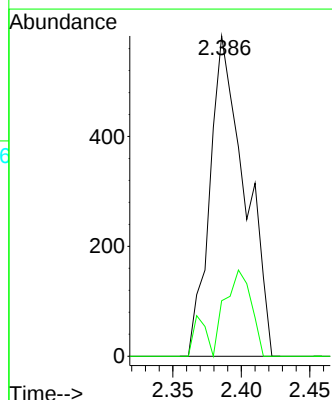
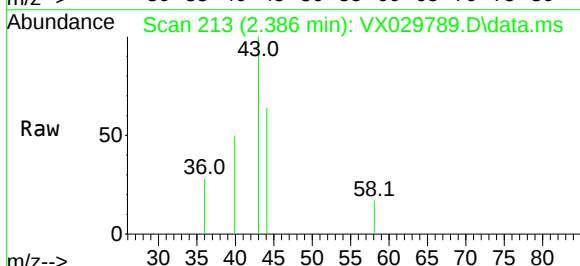
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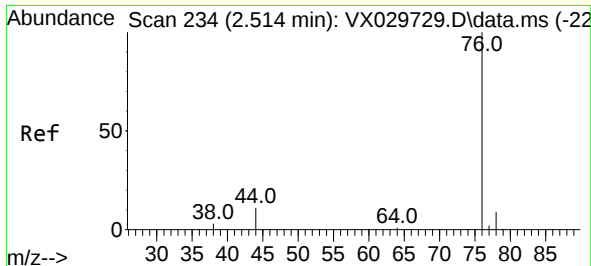
Tgt Ion: 43 Resp: 1037

Ion Ratio Lower Upper

43 100

58 17.3 28.8 43.2#





#17

Carbon Disulfide

Concen: 0.721 ug/l

RT: 2.514 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX029789.D

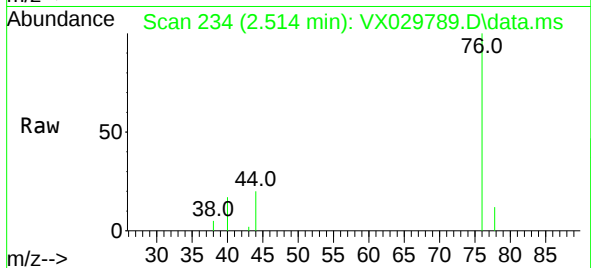
Acq: 25 Jun 2022 00:47

Instrument :

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VX0624WBL02

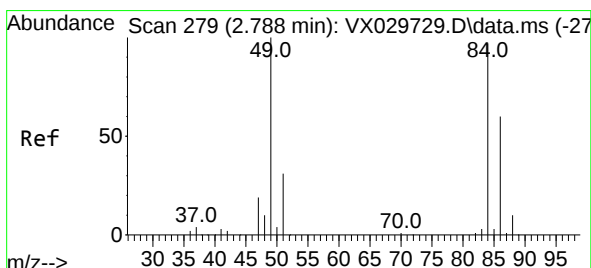
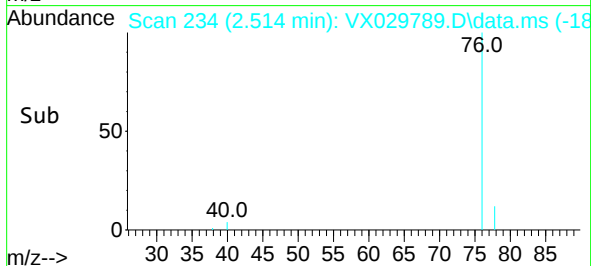
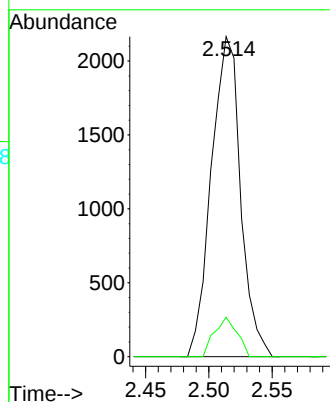


Tgt Ion: 76 Resp: 3478

Ion Ratio Lower Upper

76 100

78 12.3 7.2 10.8#



#20

Methylene Chloride

Concen: 0.310 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX029789.D

Acq: 25 Jun 2022 00:47

Tgt Ion: 84 Resp: 670

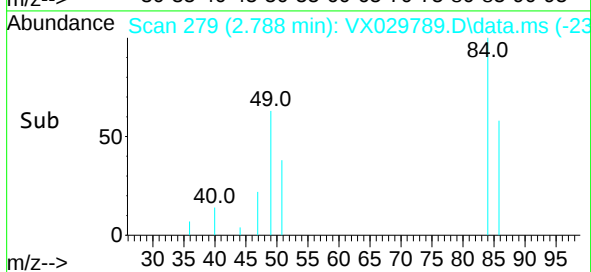
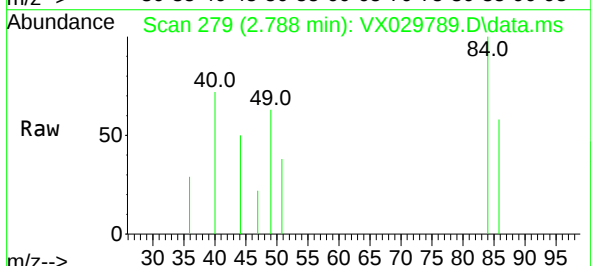
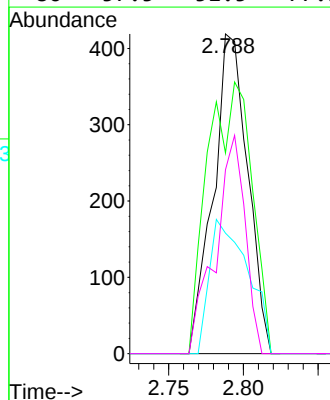
Ion Ratio Lower Upper

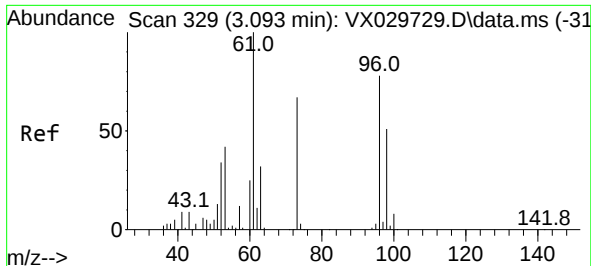
84 100

49 62.8 85.5 128.3#

51 37.7 26.6 39.8

86 57.5 51.5 77.3

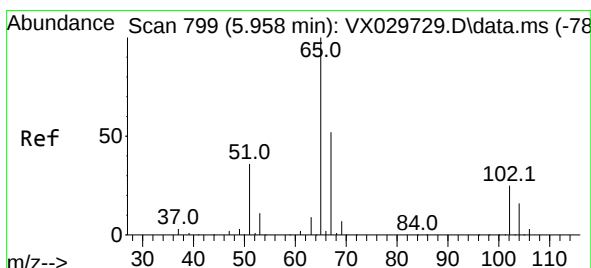
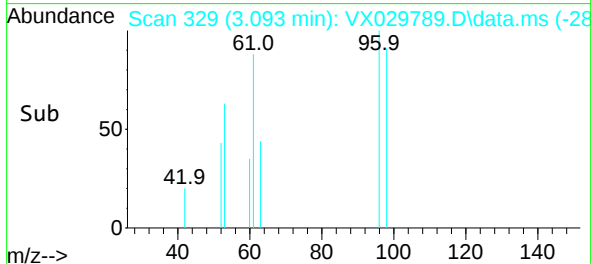
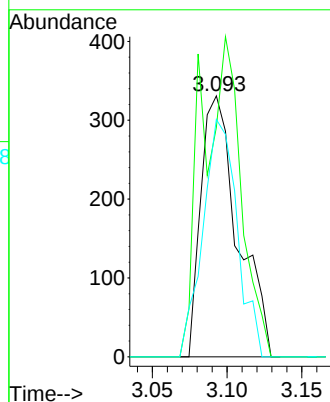
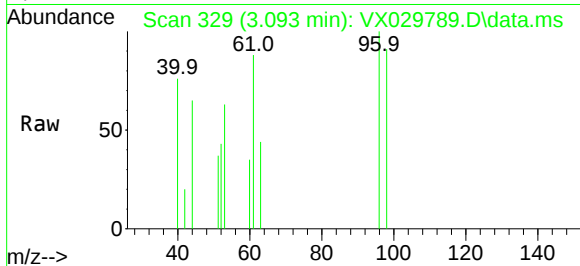




#21
trans-1,2-Dichloroethene
Concen: 0.279 ug/l
RT: 3.093 min Scan# 31
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

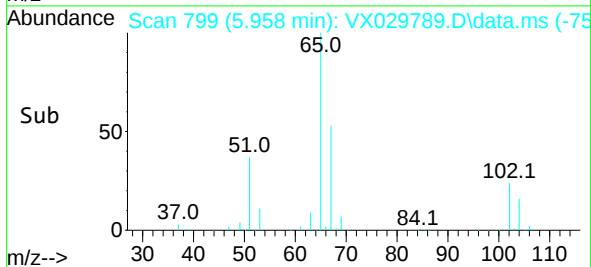
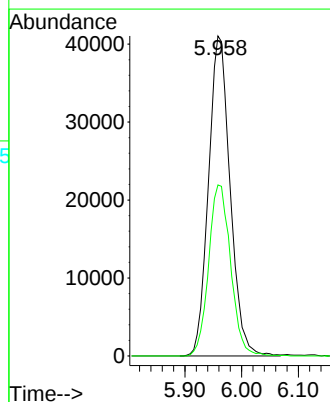
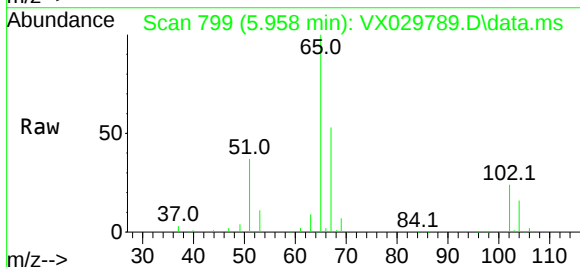
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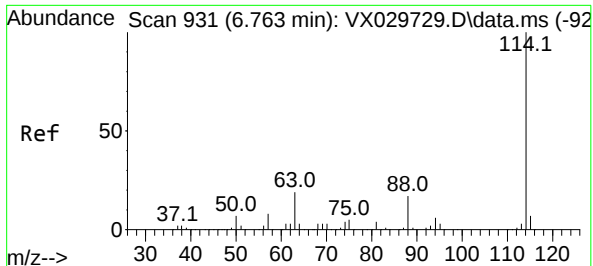
Tgt Ion: 96 Resp: 568
Ion Ratio Lower Upper
96 100
61 87.9 105.4 158.2#
98 90.9 50.0 75.0#



#33
1,2-Dichloroethane-d4
Concen: 44.691 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 65 Resp: 108684
Ion Ratio Lower Upper
65 100
67 54.4 0.0 107.4

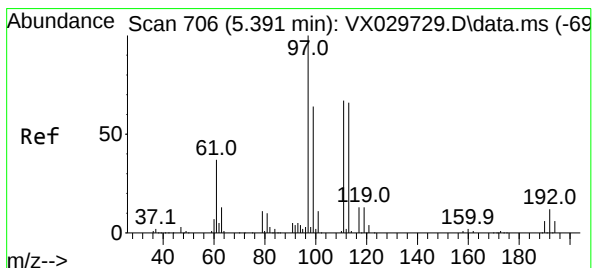
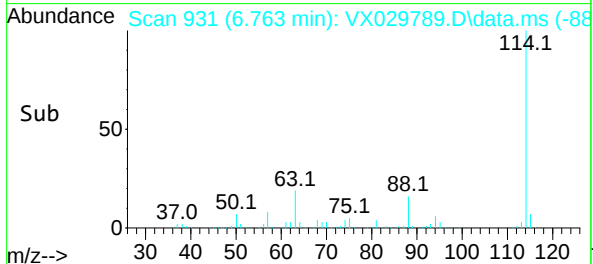
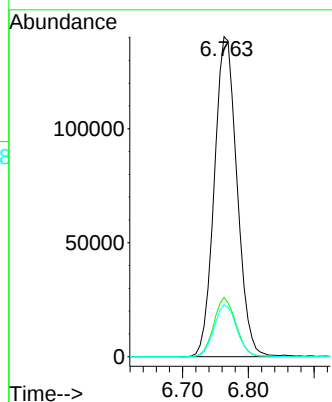
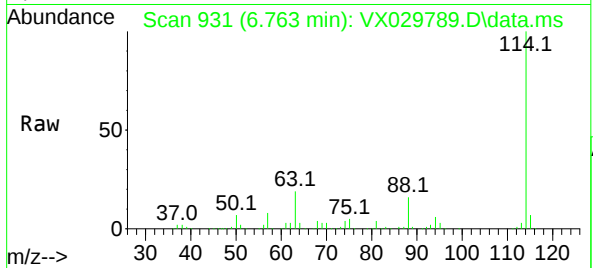




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

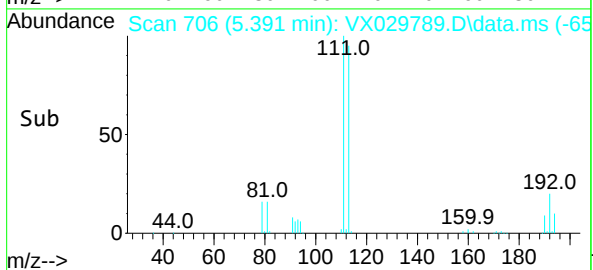
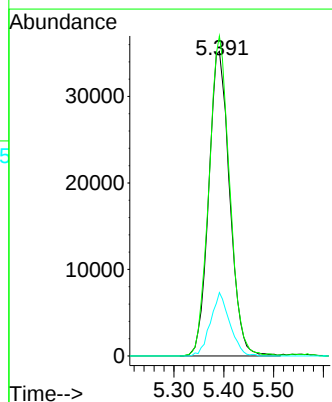
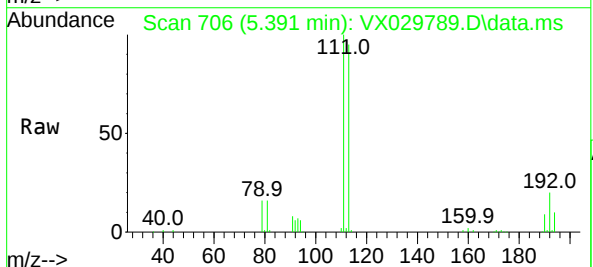
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

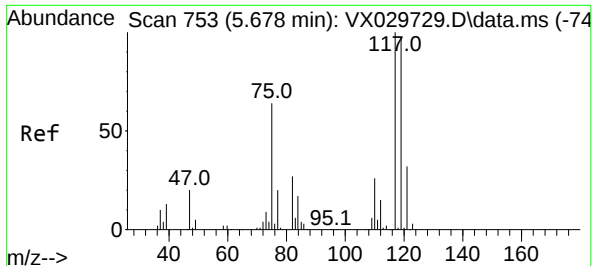
Tgt Ion:114 Resp: 337366
Ion Ratio Lower Upper
114 100
63 18.6 0.0 36.8
88 16.3 0.0 32.4



#35
Dibromofluoromethane
Concen: 46.737 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

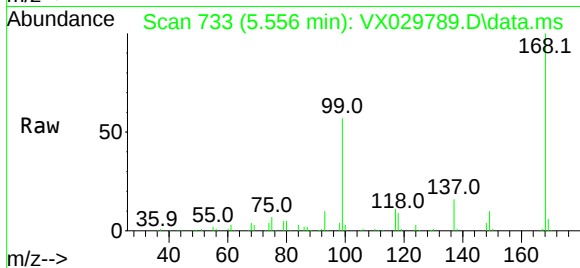
Tgt Ion:113 Resp: 102755
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 19.1 16.9 25.3



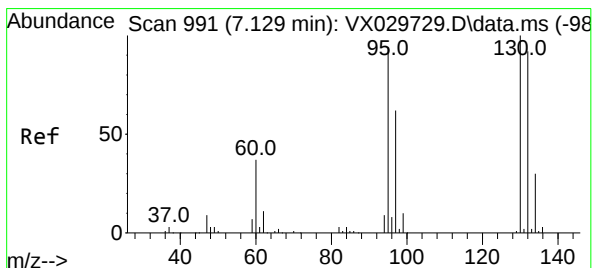
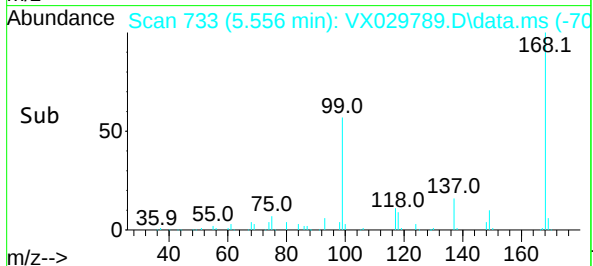
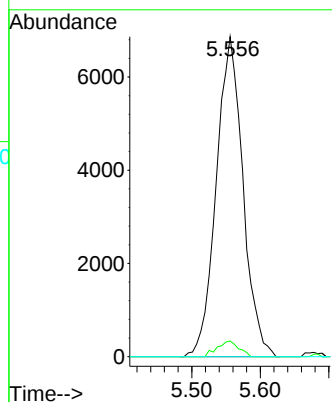


#38
Carbon Tetrachloride
Concen: 6.344 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.128 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

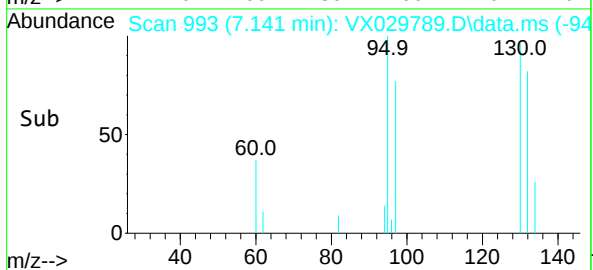
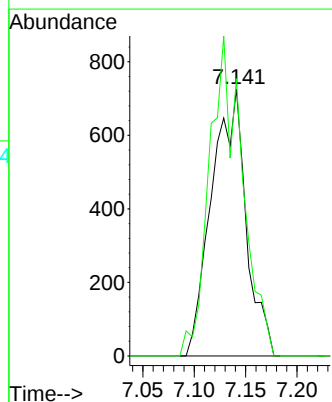
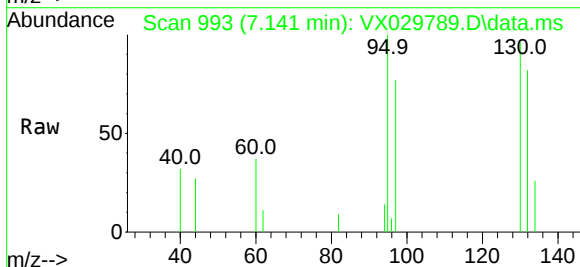


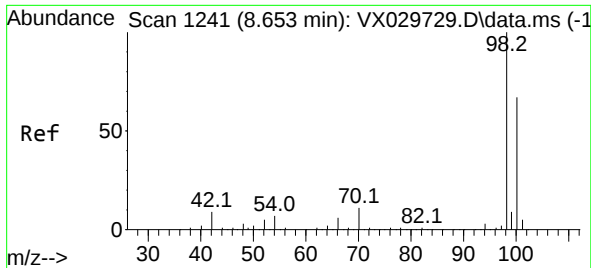
Tgt Ion:117 Resp: 18563
Ion Ratio Lower Upper
117 100
119 4.9 77.3 115.9#
121 0.0 24.2 36.2#



#44
Trichloroethene
Concen: Below Cal
RT: 7.141 min Scan# 993
Delta R.T. 0.012 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion:130 Resp: 1685
Ion Ratio Lower Upper
130 100
95 104.0 0.0 188.8

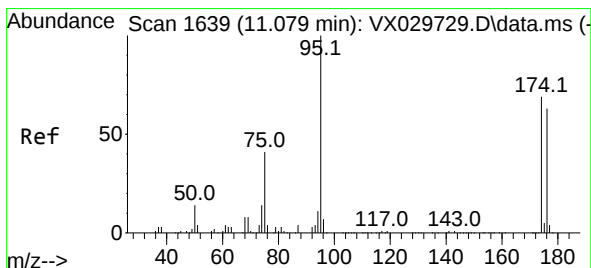
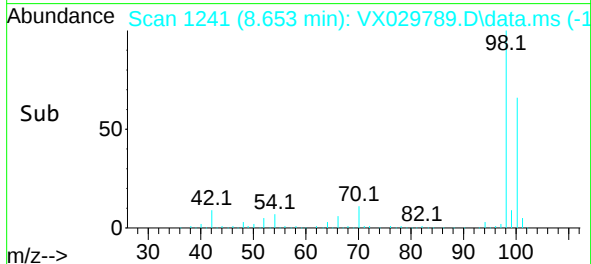
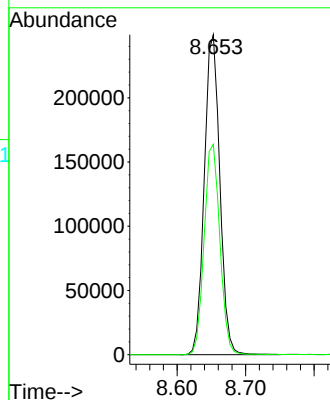
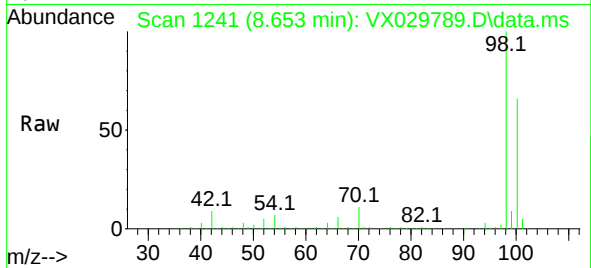




#50
Toluene-d8
Concen: 49.106 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

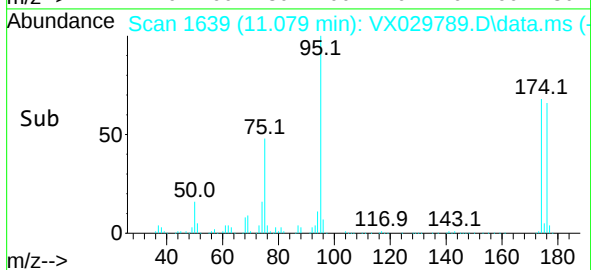
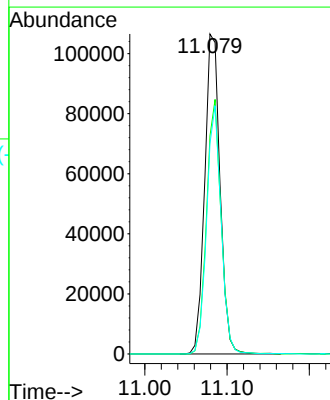
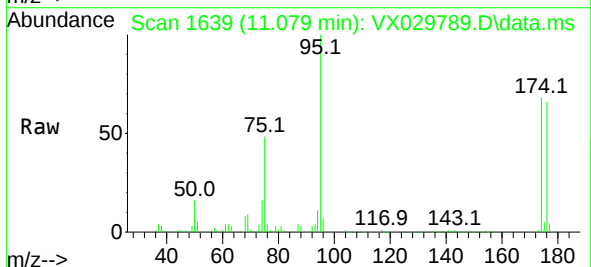
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

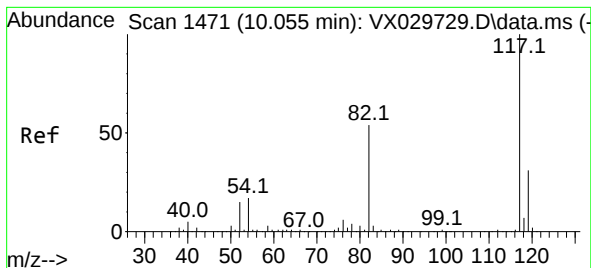
Tgt Ion: 98 Resp: 394406
Ion Ratio Lower Upper
98 100
100 66.5 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 45.630 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 95 Resp: 138209
Ion Ratio Lower Upper
95 100
174 75.3 0.0 163.0
176 72.9 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: VX029789.D

Acq: 25 Jun 2022 00:47

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBL02

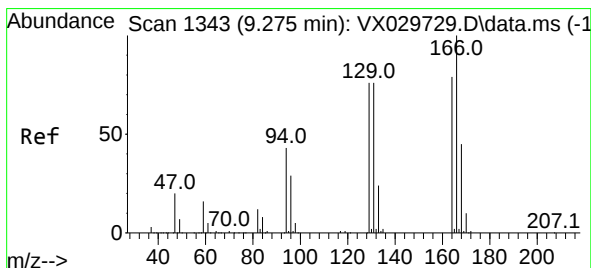
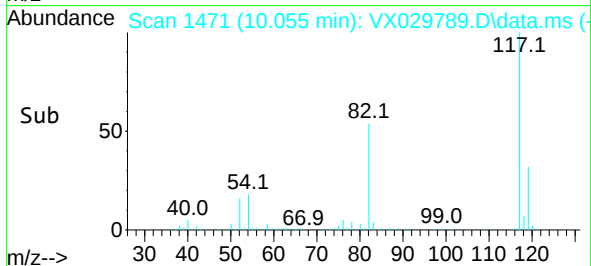
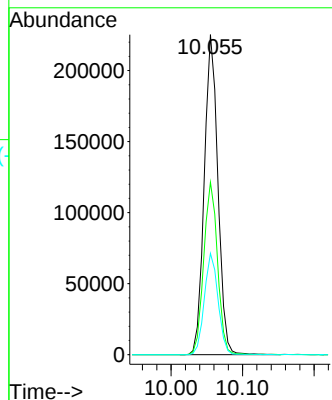
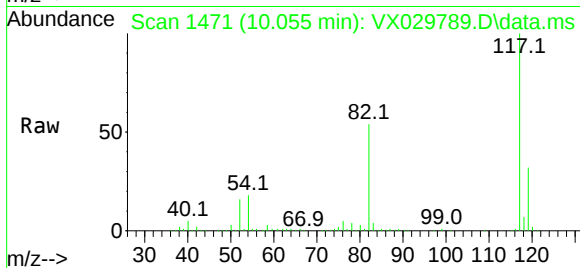
Tgt Ion:117 Resp: 298956

Ion Ratio Lower Upper

117 100

82 53.9 41.8 62.8

119 31.7 24.8 37.2



#64

Tetrachloroethene

Concen: 0.221 ug/l

RT: 9.281 min Scan# 1344

Delta R.T. 0.006 min

Lab File: VX029789.D

Acq: 25 Jun 2022 00:47

Tgt Ion:164 Resp: 477

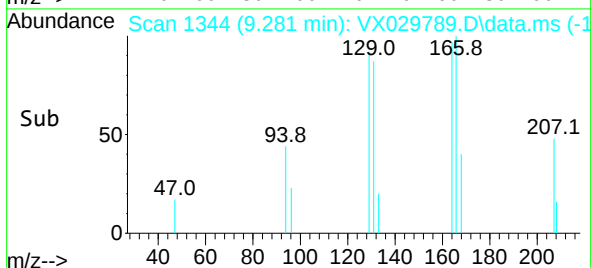
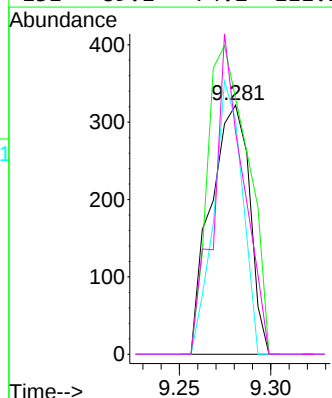
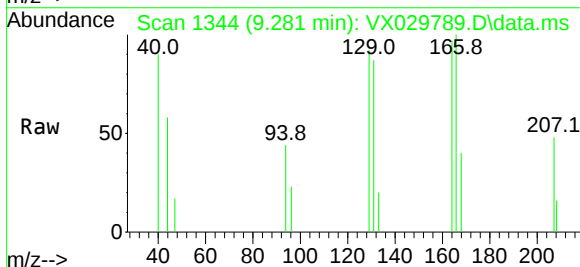
Ion Ratio Lower Upper

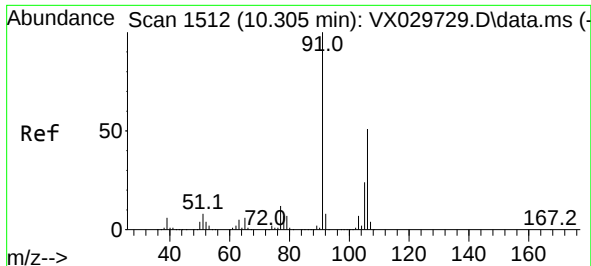
164 100

166 102.8 101.2 151.8

129 94.1 73.0 109.4

131 89.1 74.2 111.2

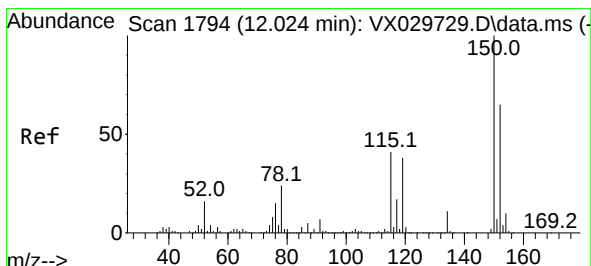
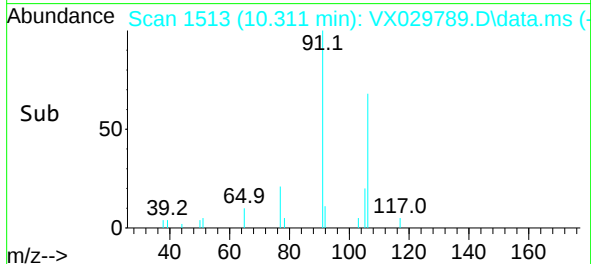
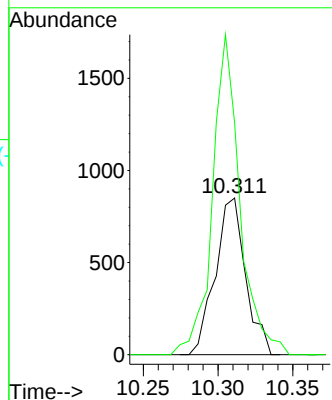
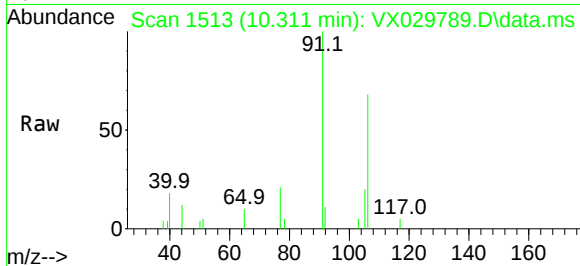




#68
m/p-Xylenes
Concen: 0.292 ug/l
RT: 10.311 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

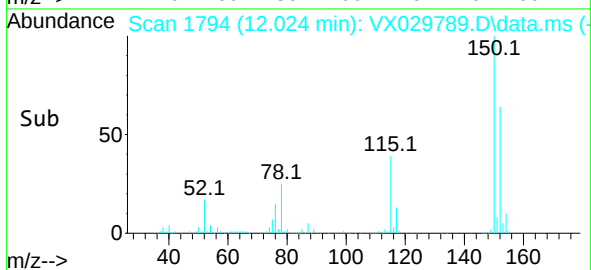
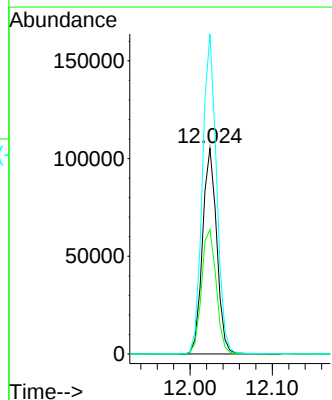
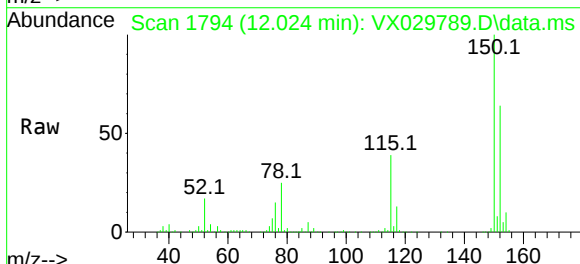
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

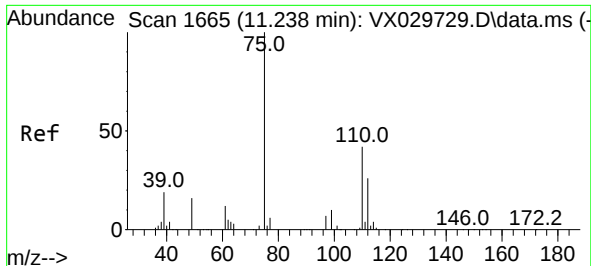
Tgt Ion:106 Resp: 1200
Ion Ratio Lower Upper
106 100
91 185.1 160.4 240.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion:152 Resp: 126514
Ion Ratio Lower Upper
152 100
115 62.4 37.5 112.7
150 154.4 0.0 338.2

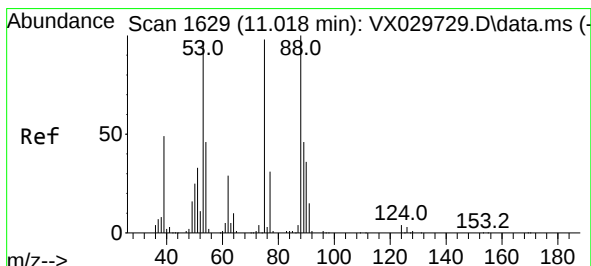
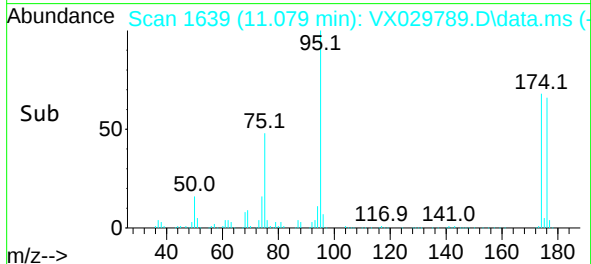
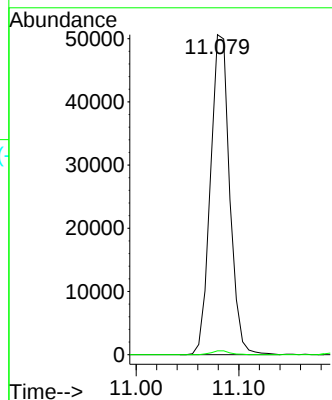
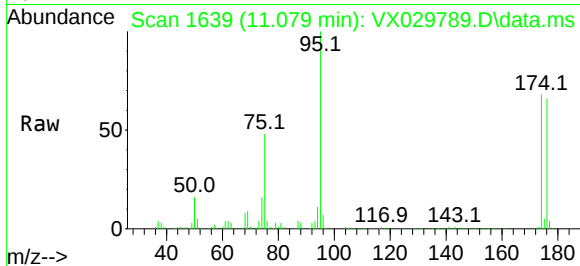




#76
1,2,3-Trichloropropane
Concen: 23.925 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

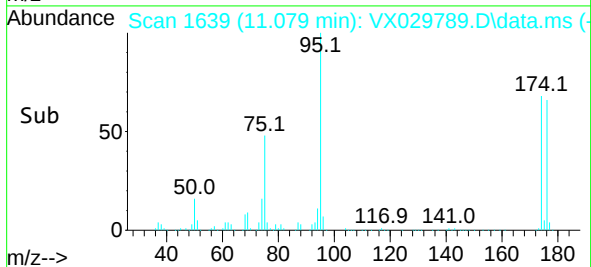
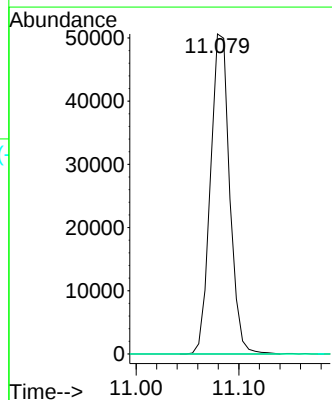
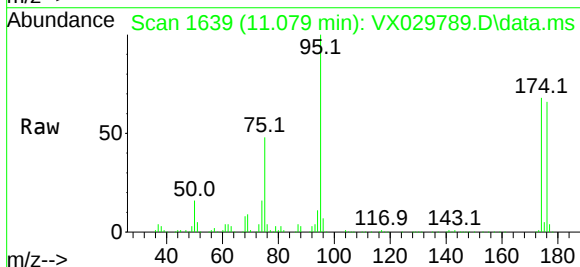
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

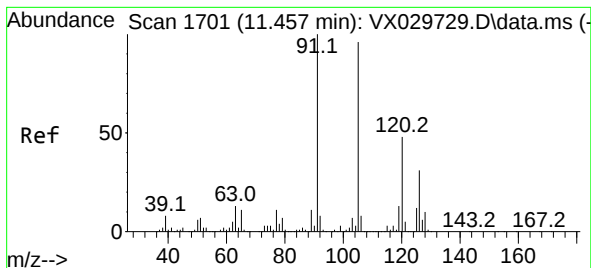
Tgt Ion: 75 Resp: 65940
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 79.593 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 75 Resp: 65940
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

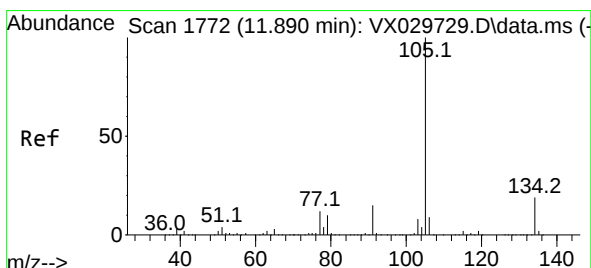
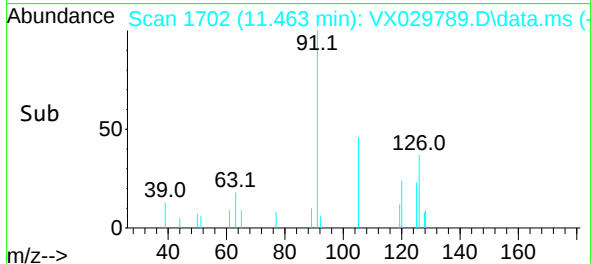
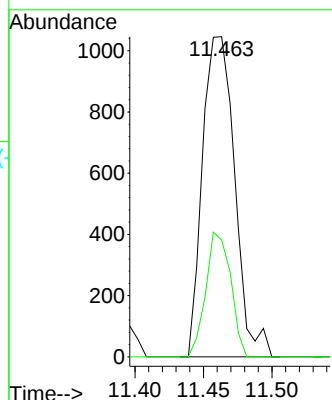
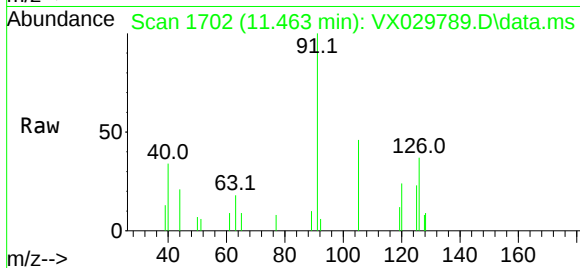




#82
4-Chlorotoluene
Concen: 0.227 ug/l
RT: 11.463 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

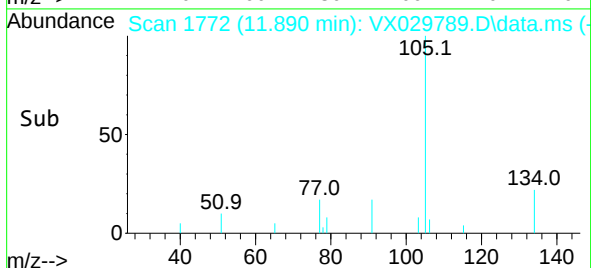
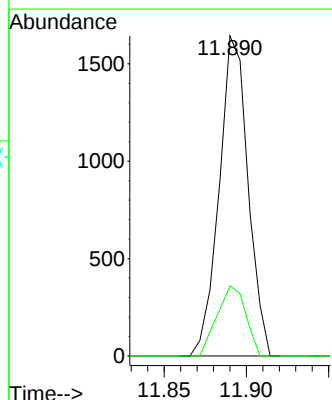
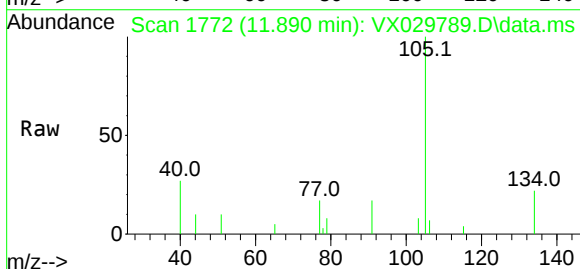
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

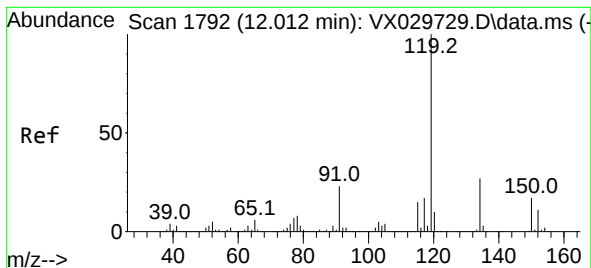
Tgt Ion: 91 Resp: 1710
Ion Ratio Lower Upper
91 100
126 29.9 14.9 44.5



#85
sec-Butylbenzene
Concen: 0.207 ug/l
RT: 11.890 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 105 Resp: 2002
Ion Ratio Lower Upper
105 100
134 21.7 10.2 30.4





#86

p-Isopropyltoluene

Concen: 0.219 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX029789.D

Acq: 25 Jun 2022 00:47

Instrument :

MSVOA_X

ClientSampleId :

VX0624WBL02

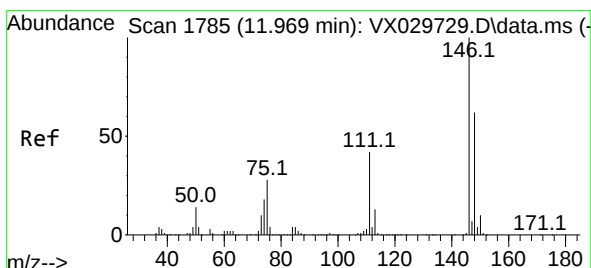
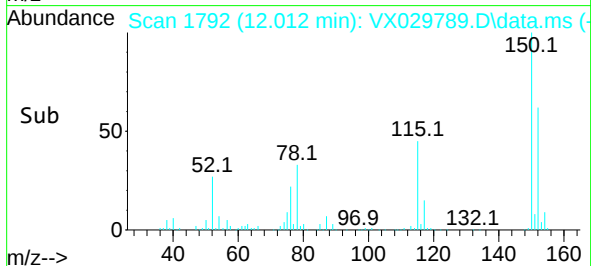
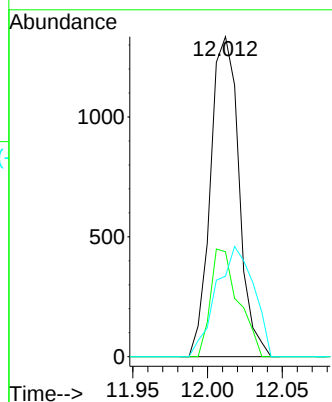
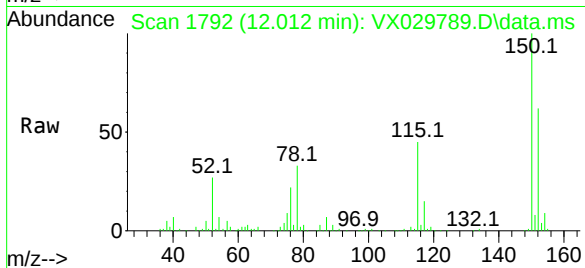
Tgt Ion:119 Resp: 1767

Ion Ratio Lower Upper

119 100

134 32.8 13.0 39.0

91 45.4 11.3 33.9#



#87

1,3-Dichlorobenzene

Concen: 0.314 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. 0.000 min

Lab File: VX029789.D

Acq: 25 Jun 2022 00:47

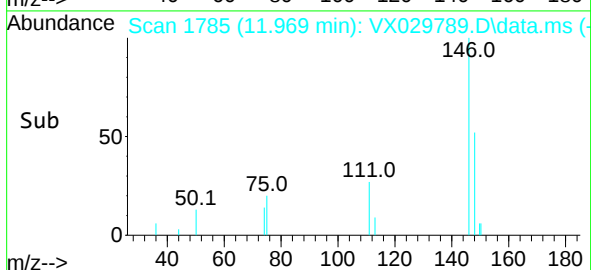
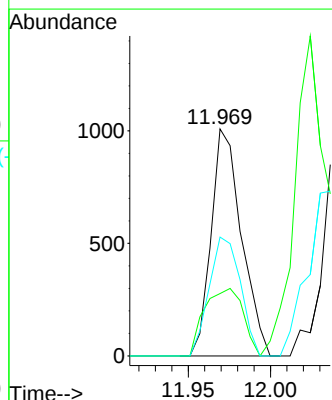
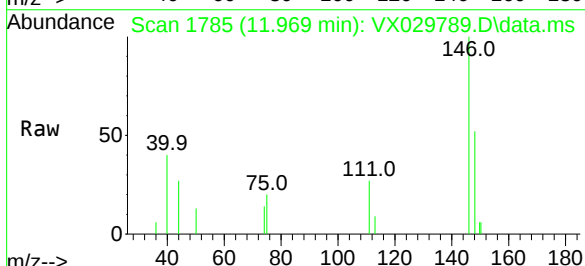
Tgt Ion:146 Resp: 1293

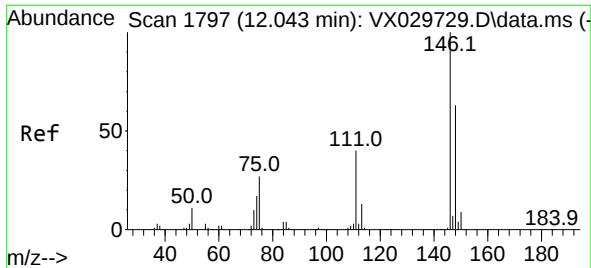
Ion Ratio Lower Upper

146 100

111 37.8 19.7 59.1

148 54.1 31.6 94.7

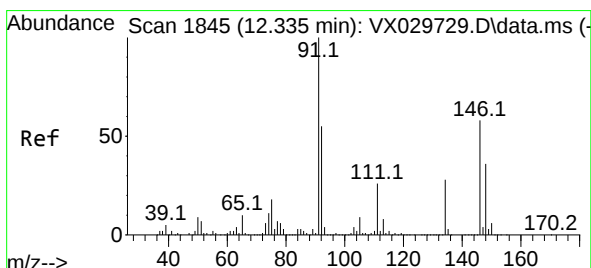
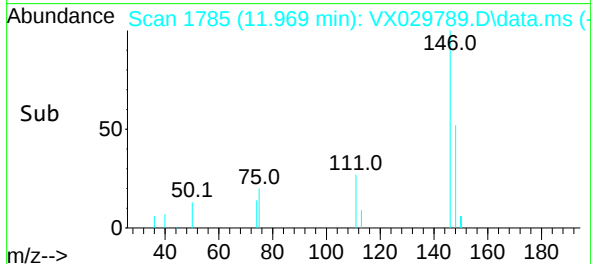
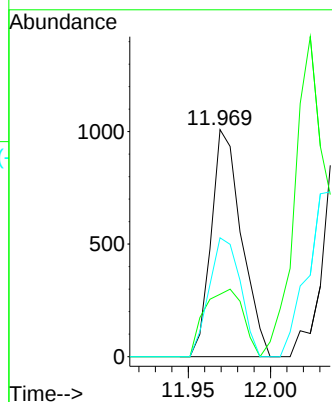
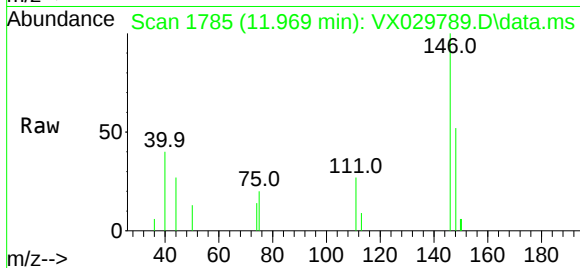




#88
1,4-Dichlorobenzene
Concen: 0.314 ug/l
RT: 11.969 min Scan# 11
Delta R.T. -0.073 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

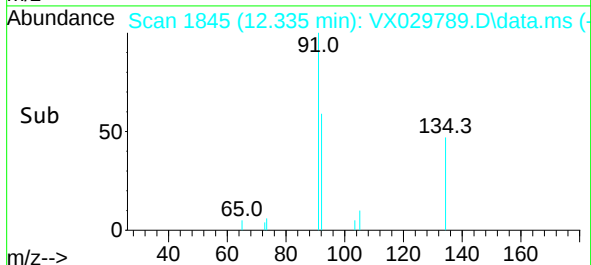
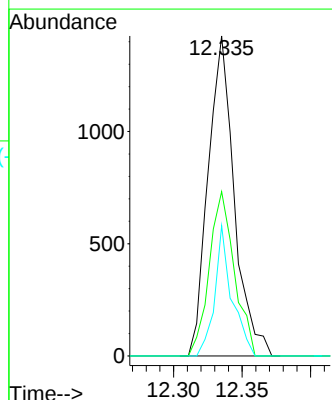
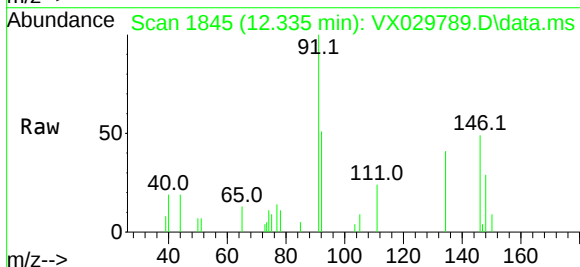
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

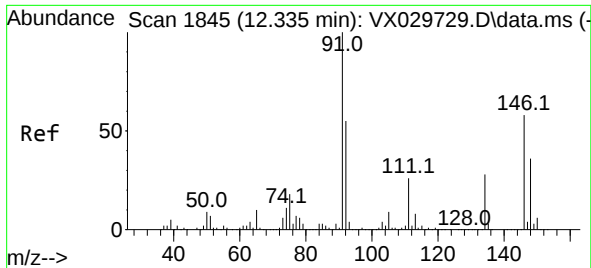
Tgt Ion:146 Resp: 1293
Ion Ratio Lower Upper
146 100
111 37.8 19.2 57.6
148 54.1 32.3 96.9



#89
n-Butylbenzene
Concen: 0.277 ug/l
RT: 12.335 min Scan# 1845
Delta R.T. 0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion: 91 Resp: 1888
Ion Ratio Lower Upper
91 100
92 49.3 27.8 83.3
134 26.6 13.3 39.8

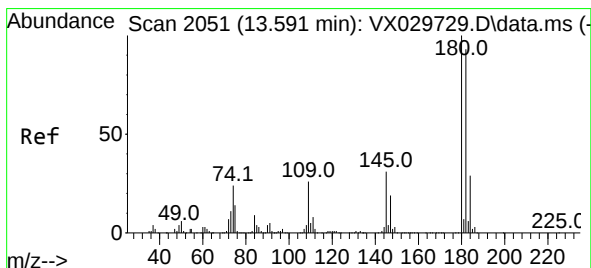
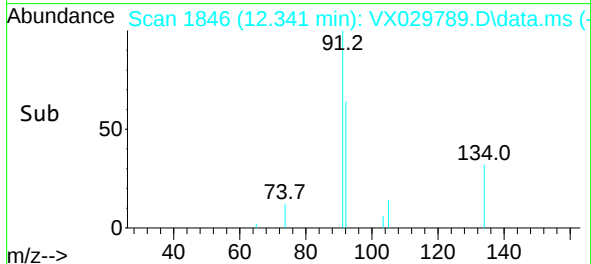
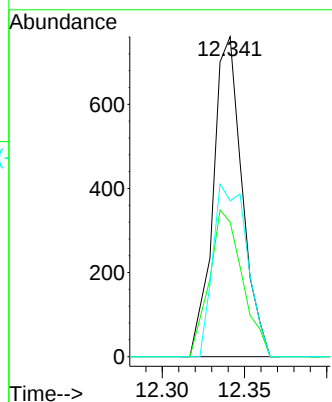
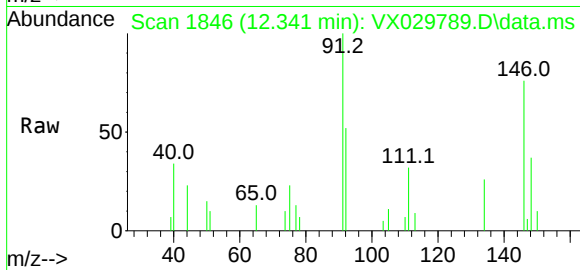




#91
1,2-Dichlorobenzene
Concen: 0.229 ug/l
RT: 12.341 min Scan# 1845
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

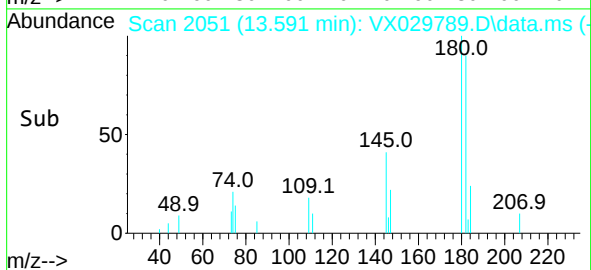
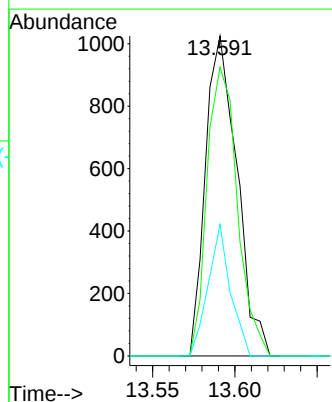
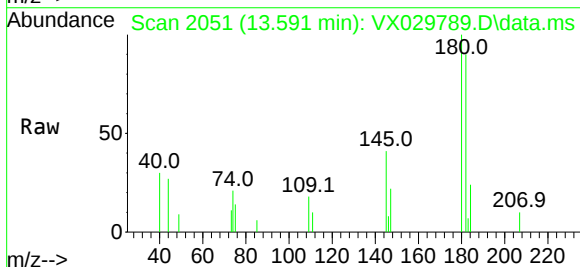
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

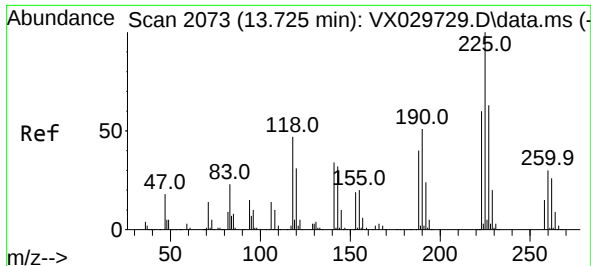
Tgt Ion:146 Resp: 930
Ion Ratio Lower Upper
146 100
111 51.9 21.0 63.0
148 63.3 32.6 97.7



#93
1,2,4-Trichlorobenzene
Concen: 0.553 ug/l
RT: 13.591 min Scan# 2051
Delta R.T. -0.000 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

Tgt Ion:180 Resp: 1367
Ion Ratio Lower Upper
180 100
182 86.5 47.7 143.1
145 29.0 15.2 45.5

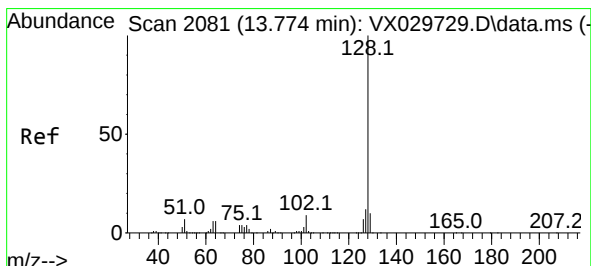
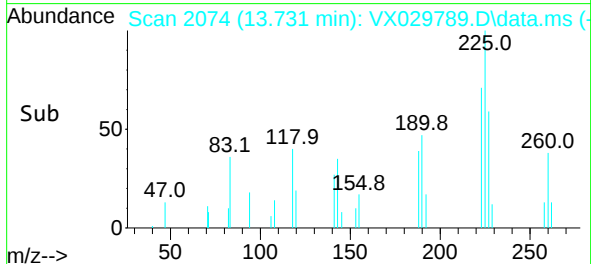
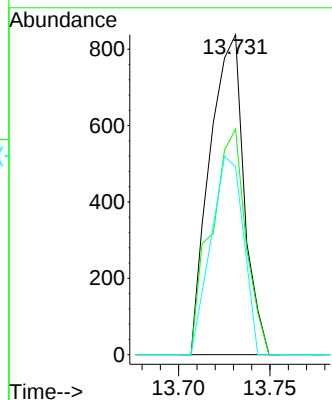
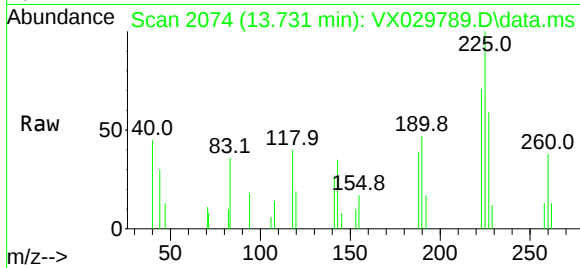




#94
Hexachlorobutadiene
Concen: 1.075 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

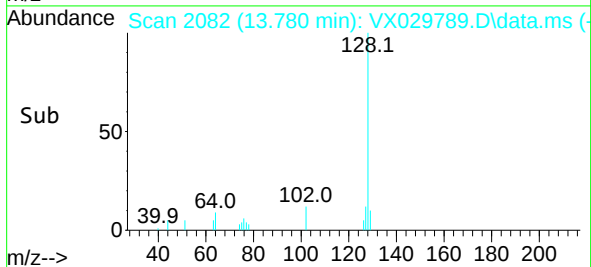
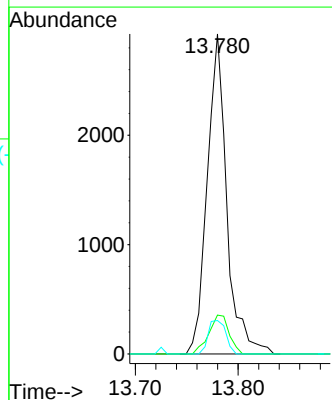
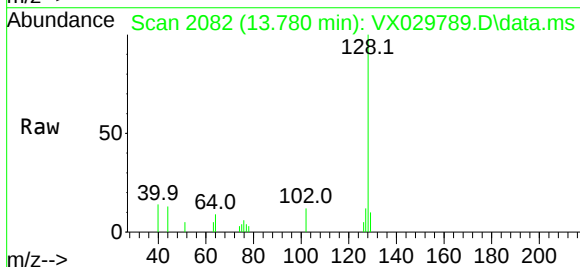
Instrument :
MSVOA_X
ClientSampleId :
VX0624WBL02

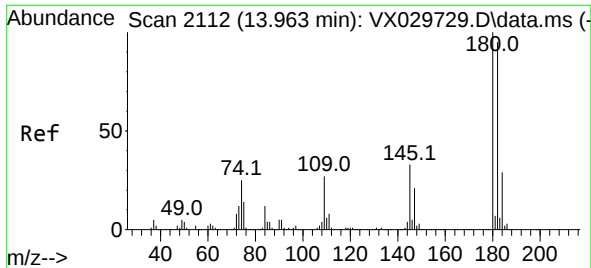
Tgt Ion:225 Resp: 1088
Ion Ratio Lower Upper
225 100
223 71.3 34.2 102.5
227 59.0 33.9 101.7



#95
Naphthalene
Concen: 0.437 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX029789.D
Acq: 25 Jun 2022 00:47

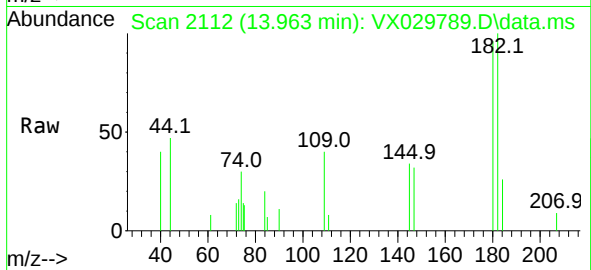
Tgt Ion:128 Resp: 3882
Ion Ratio Lower Upper
128 100
127 12.6 10.2 15.4
129 9.4 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 0.497 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX029789.D
 Acq: 25 Jun 2022 00:47

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0624WBL02



Tgt Ion:	180	Resp:	1231
Ion	Ratio	Lower	Upper
180	100		
182	104.9	50.0	149.8
145	39.5	16.2	48.5

