

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX120321\
 Data File : VX025504.D
 Acq On : 04 Dec 2021 00:30
 Operator : JC/MD
 Sample : M4923-03DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 38 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Dec 04 11:06:14 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 17 15:36:16 2021
 Response via : Initial Calibration

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

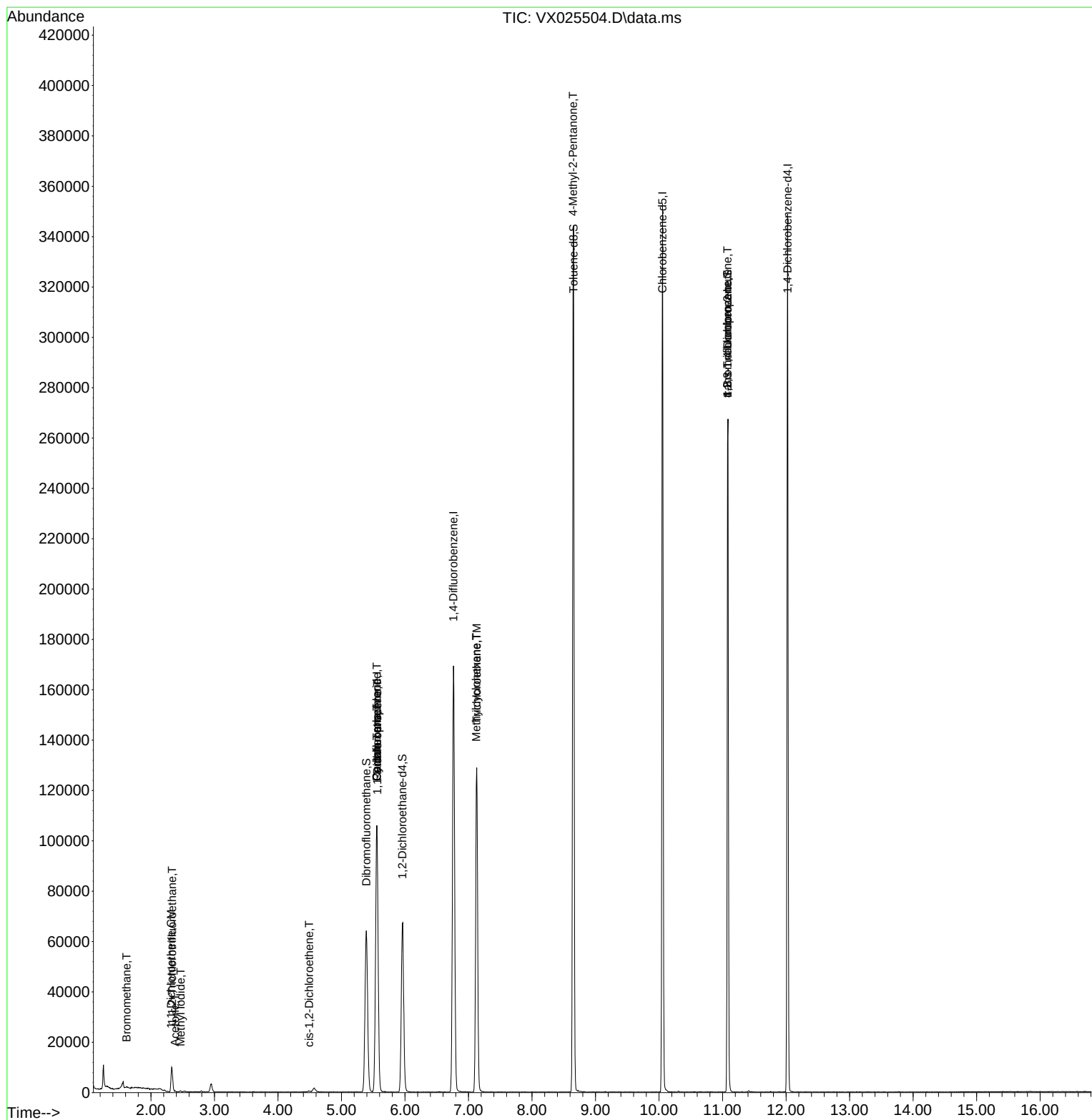
Internal Standards						
1) Pentafluorobenzene	5.556	168	105491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	179981	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	161567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	70867	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	63615	57.210	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 114.420%	
35) Dibromofluoromethane	5.391	113	55392	50.160	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.320%	
50) Toluene-d8	8.653	98	206885	49.827	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 99.660%	
62) 4-Bromofluorobenzene	11.079	95	72497	46.154	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 92.300%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.618	94	229	0.428	ug/l #	71
9) 1,1,2-Trichlorotrifluo...	2.331	101	2749	2.800	ug/l	99
10) Methyl Iodide	2.465	142	429	0.349	ug/l #	81
11) Tert butyl alcohol	2.953	59	2046	Below Cal	#	72
12) 1,1-Dichloroethene	2.319	96	1377	1.408	ug/l	92
16) Acetone	2.380	43	470	0.761	ug/l #	83
27) cis-1,2-Dichloroethene	4.489	96	279	0.223	ug/l	48
31) Cyclohexane	5.556	56	2008	1.169	ug/l #	1
36) 1,1-Dichloropropene	5.562	75	7299	4.648	ug/l #	50
38) Carbon Tetrachloride	5.556	117	10174	5.883	ug/l #	16
39) Methylcyclohexane	7.123	83	616	0.306	ug/l #	1
44) Trichloroethene	7.129	130	52310	37.855	ug/l	98
51) 4-Methyl-2-Pentanone	8.647	43	852	0.457	ug/l #	1
76) 1,2,3-Trichloropropane	11.079	75	35525	24.480	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	35525	61.668	ug/l #	9
95) Naphthalene	13.786	128	110	Below Cal	#	69

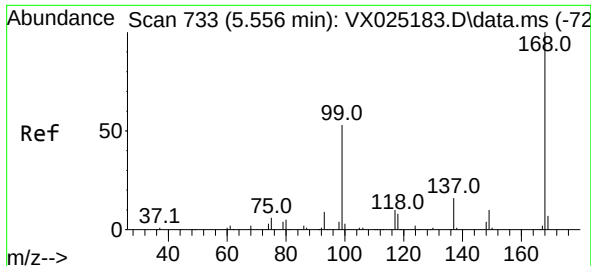
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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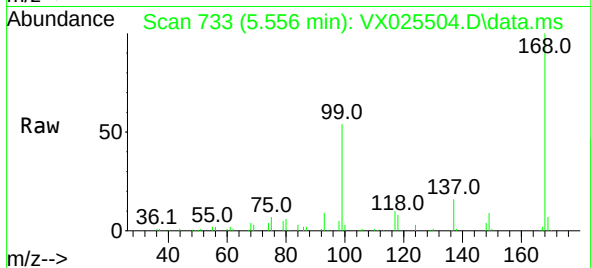
Quant Time: Dec 04 11:06:14 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X111721W.M
Quant Title : SW846 8260
QLast Update : Wed Nov 17 15:36:16 2021
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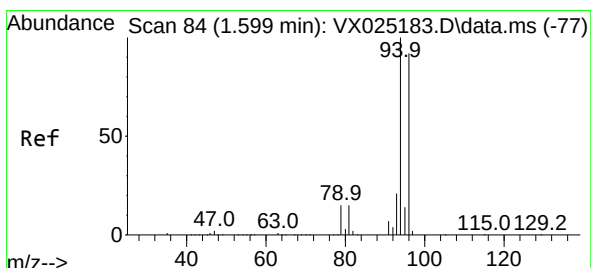
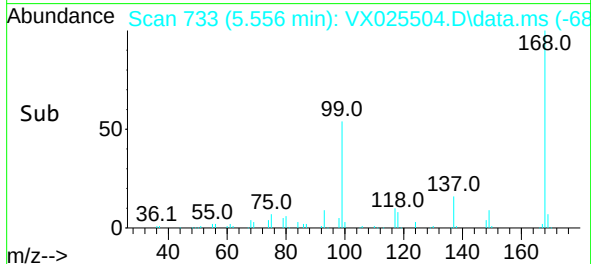
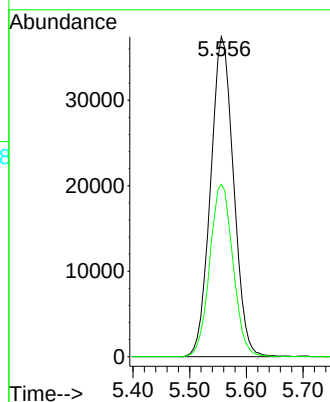


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Instrument :
MSVOA_X
ClientSampleId :

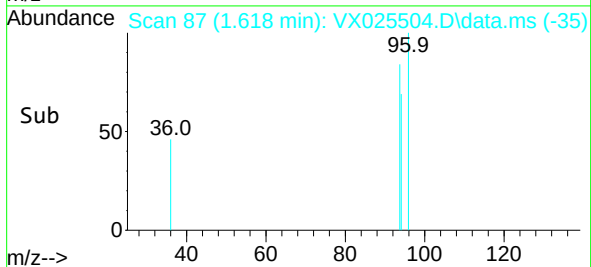
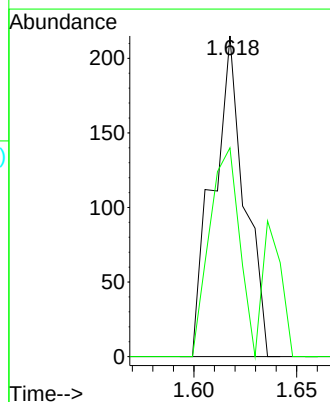
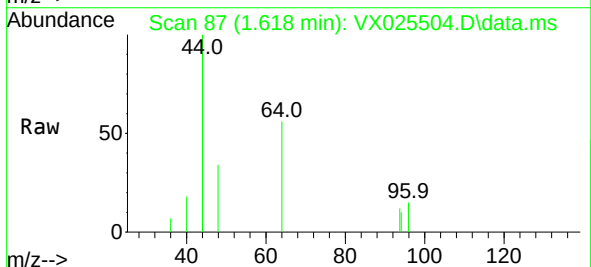


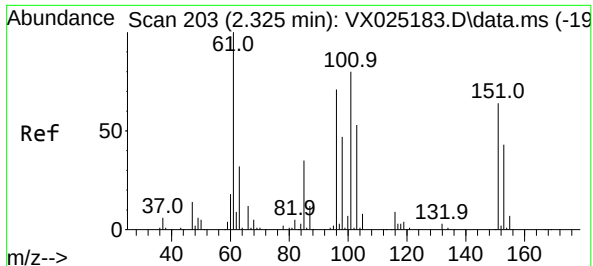
Tgt Ion:168 Resp: 105491
Ion Ratio Lower Upper
168 100
99 53.9 46.4 69.6



#5
Bromomethane
Concen: 0.428 ug/l
RT: 1.618 min Scan# 87
Delta R.T. 0.019 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion: 94 Resp: 229
Ion Ratio Lower Upper
94 100
96 65.1 74.8 112.2#

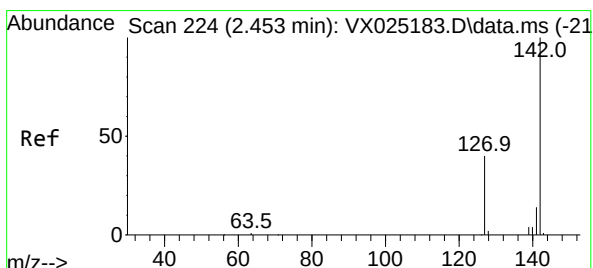
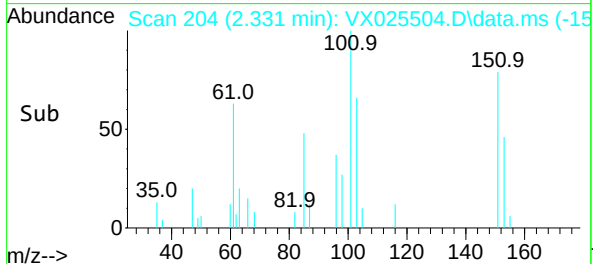
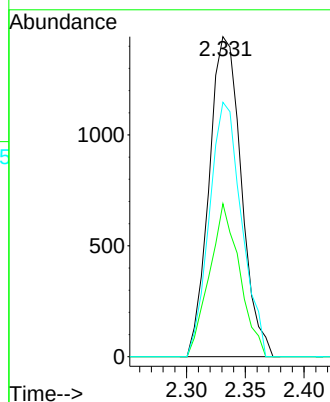
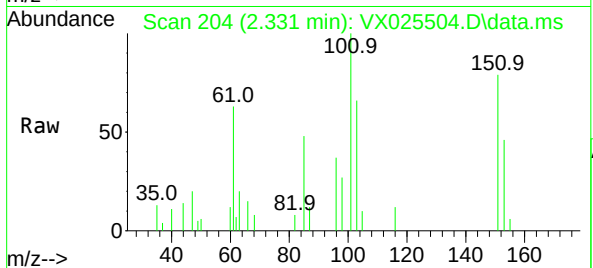




#9
1,1,2-Trichlorotrifluoroethane
Concen: 2.800 ug/l
RT: 2.331 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

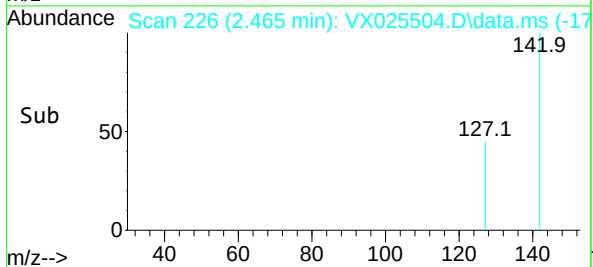
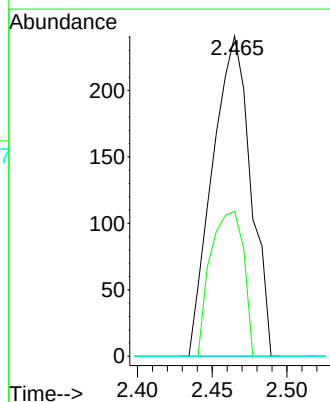
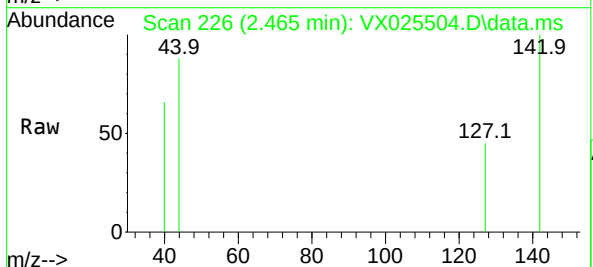
Instrument :
MSVOA_X
ClientSampleId :

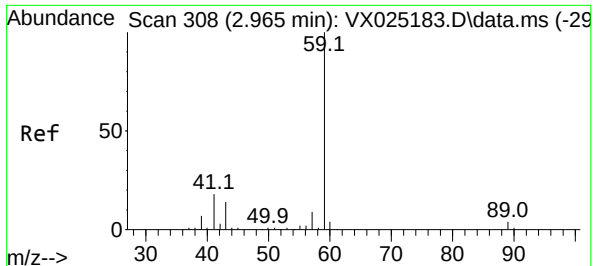
Tgt Ion:101 Resp: 2749
Ion Ratio Lower Upper
101 100
85 44.9 35.9 53.9
151 79.6 64.4 96.6



#10
Methyl Iodide
Concen: 0.349 ug/l
RT: 2.465 min Scan# 226
Delta R.T. 0.012 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion:142 Resp: 429
Ion Ratio Lower Upper
142 100
127 38.9 38.9 58.3
141 0.0 11.7 17.5#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.953 min Scan# 308

Delta R.T. -0.012 min

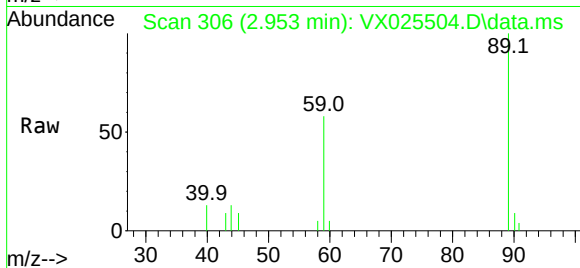
Lab File: VX025504.D

Acq: 04 Dec 2021 00:30

Instrument :

MSVOA_X

ClientSampleId :

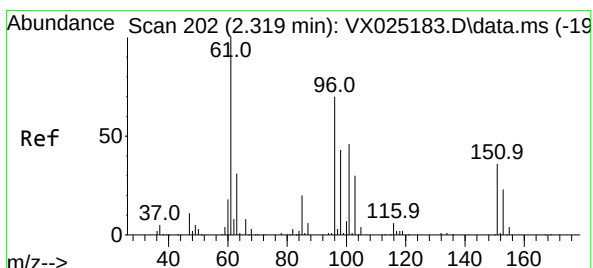
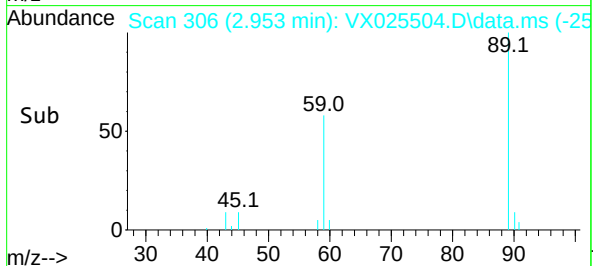
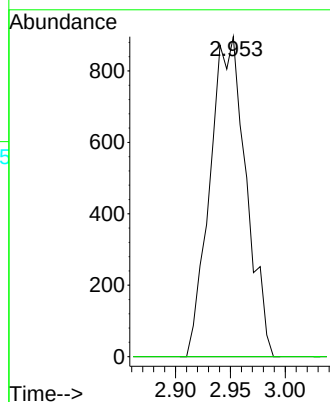


Tgt Ion: 59 Resp: 2046

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#12

1,1-Dichloroethene

Concen: 1.408 ug/l

RT: 2.319 min Scan# 202

Delta R.T. -0.000 min

Lab File: VX025504.D

Acq: 04 Dec 2021 00:30

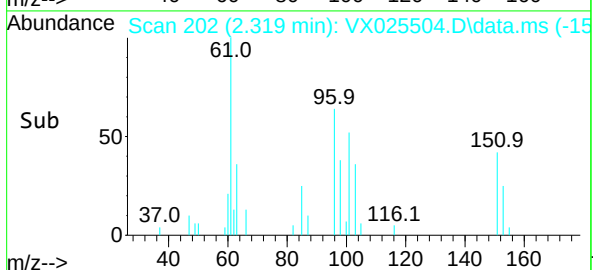
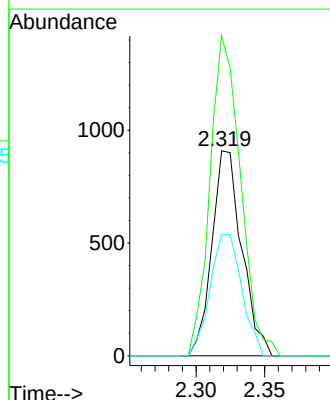
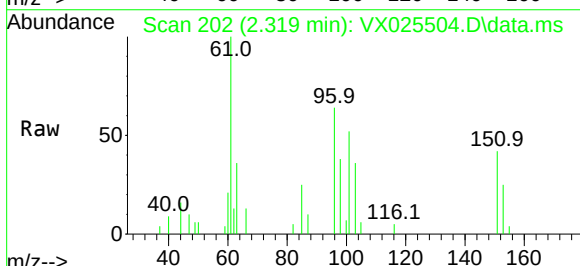
Tgt Ion: 96 Resp: 1377

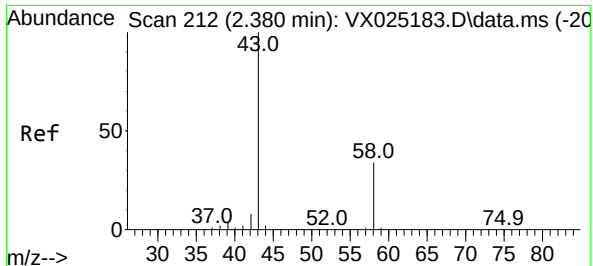
Ion Ratio Lower Upper

96 100

61 156.0 134.1 201.1

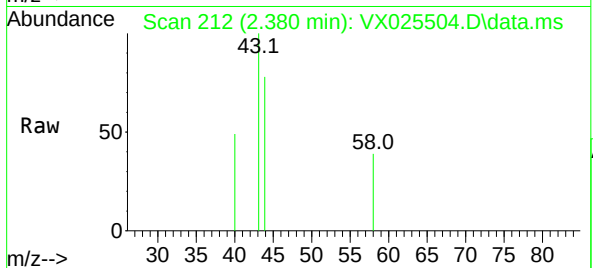
98 59.2 51.5 77.3



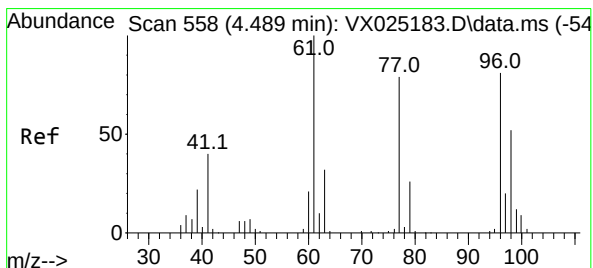
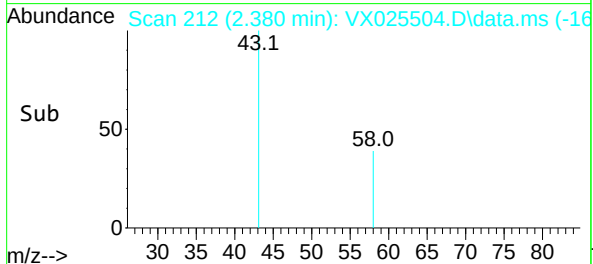
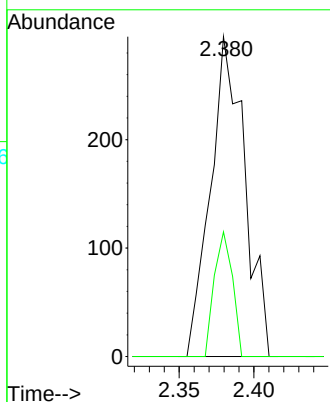


#16
Acetone
Concen: 0.761 ug/l
RT: 2.380 min Scan# 212
Delta R.T. -0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Instrument :
MSVOA_X
ClientSampleId :

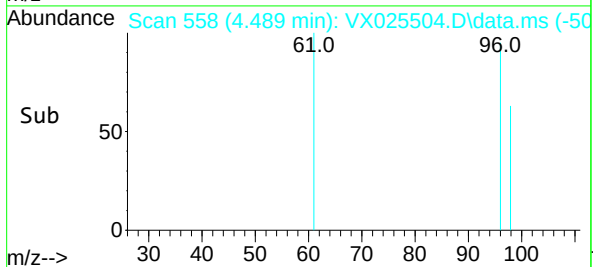
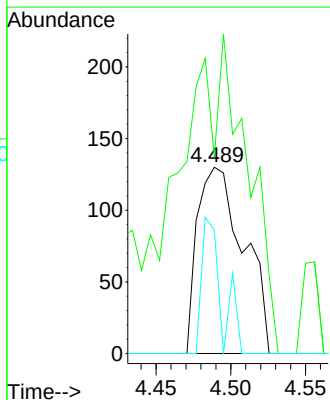
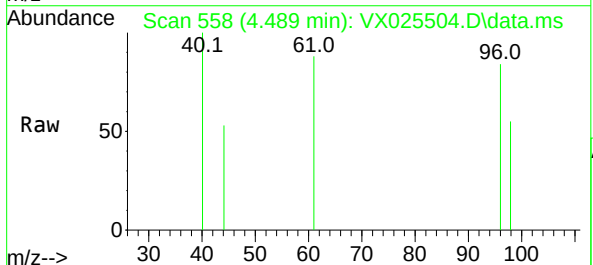


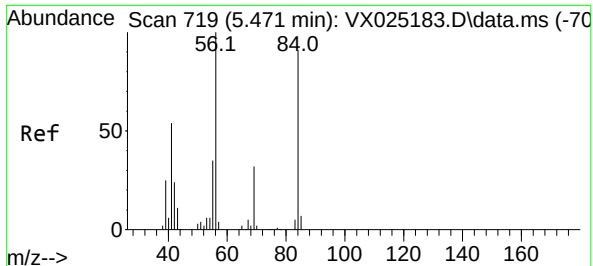
Tgt Ion: 43 Resp: 470
Ion Ratio Lower Upper
43 100
58 39.0 24.0 36.0#



#27
cis-1,2-Dichloroethene
Concen: 0.223 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

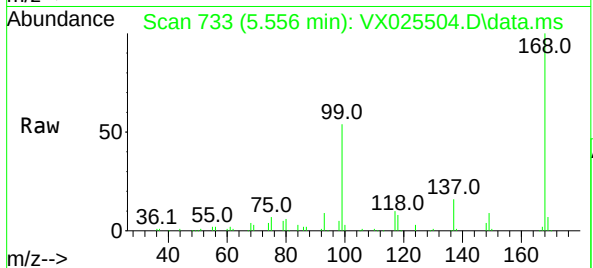
Tgt Ion: 96 Resp: 279
Ion Ratio Lower Upper
96 100
61 80.6 0.0 302.2
98 31.2 0.0 131.4



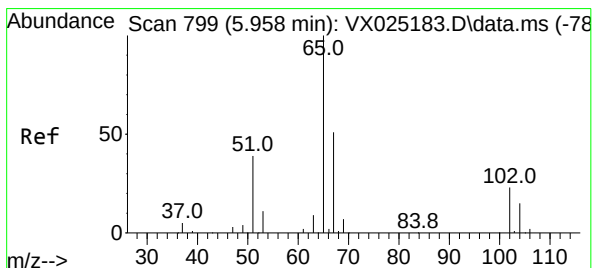
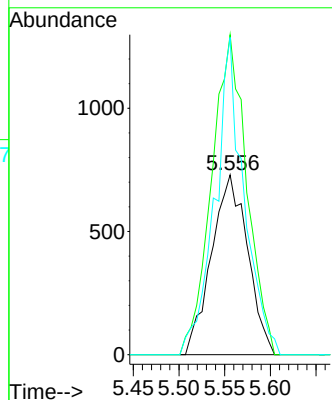
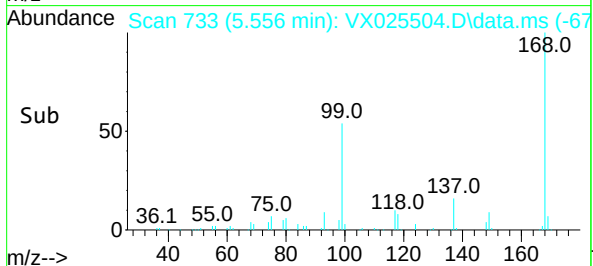


#31
Cyclohexane
Concen: 1.169 ug/l
RT: 5.556 min Scan# 719
Delta R.T. 0.085 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Instrument :
MSVOA_X
ClientSampleId :

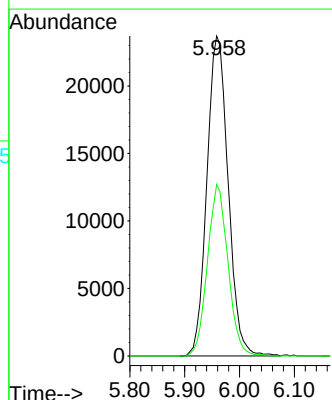
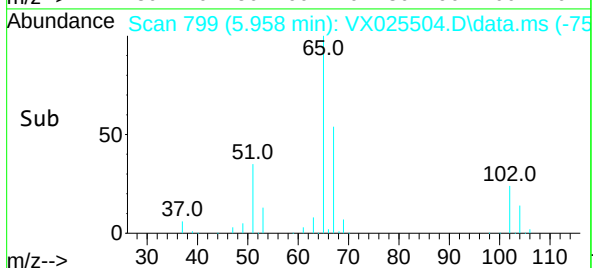
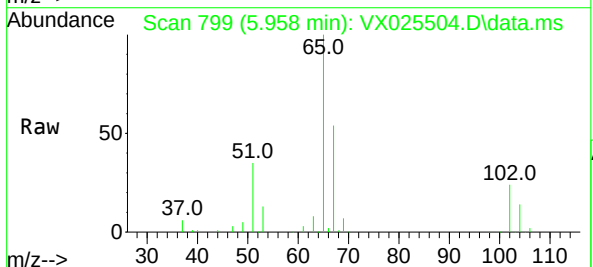


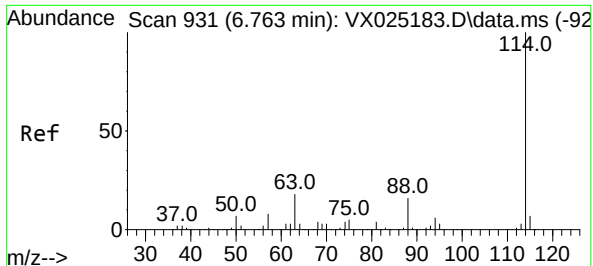
Tgt Ion: 56 Resp: 2008
Ion Ratio Lower Upper
56 100
69 177.9 24.2 36.2#
84 176.4 71.5 107.3#



#33
1,2-Dichloroethane-d4
Concen: 57.210 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion: 65 Resp: 63615
Ion Ratio Lower Upper
65 100
67 51.9 0.0 101.0

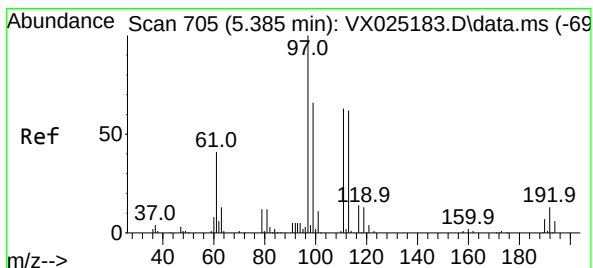
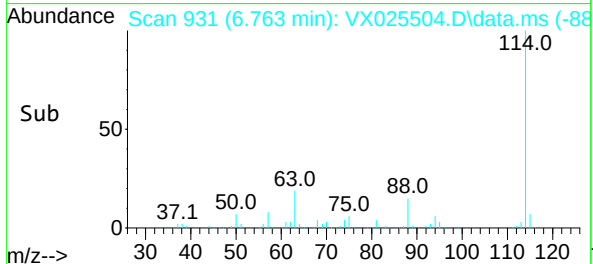
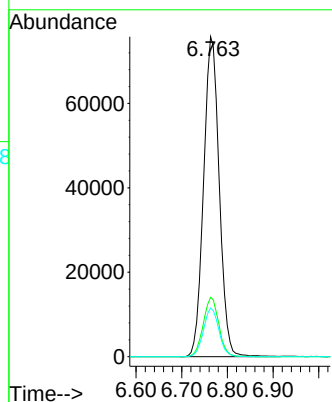
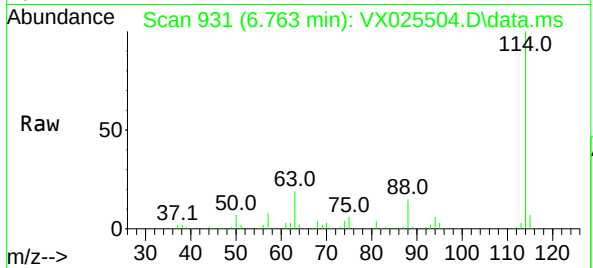




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

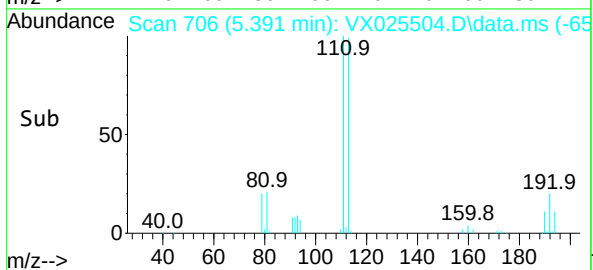
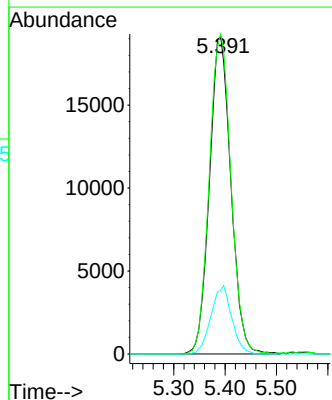
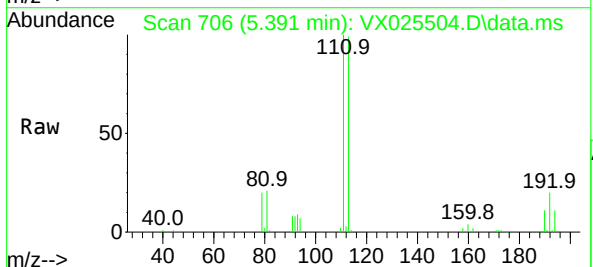
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MSVOA_X
ClientSampleId :

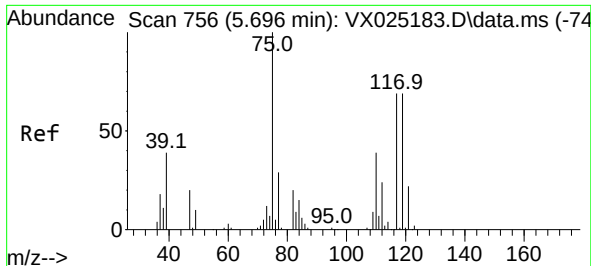
Tgt Ion:114 Resp: 179981
Ion Ratio Lower Upper
114 100
63 18.6 0.0 41.0
88 15.2 0.0 34.8



#35
Dibromofluoromethane
Concen: 50.160 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

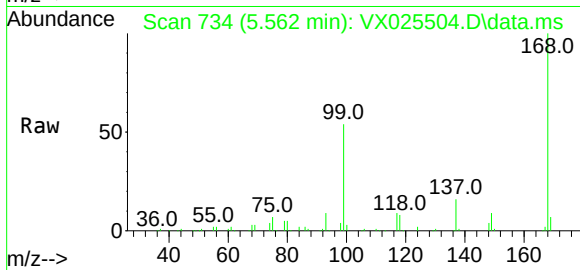
Tgt Ion:113 Resp: 55392
Ion Ratio Lower Upper
113 100
111 102.3 82.1 123.1
192 20.8 15.6 23.4



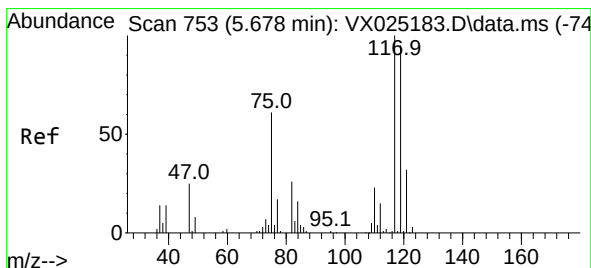
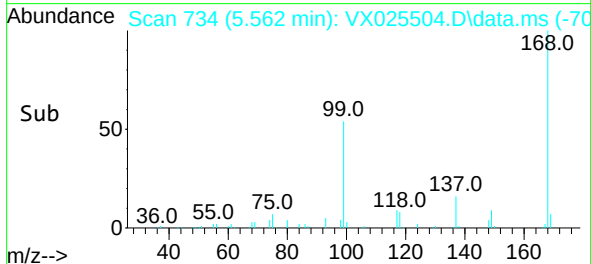
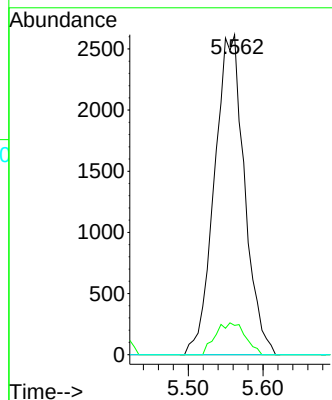


#36
1,1-Dichloropropene
Concen: 4.648 ug/l
RT: 5.562 min Scan# 713
Delta R.T. -0.134 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Instrument :
MSVOA_X
ClientSampleId :

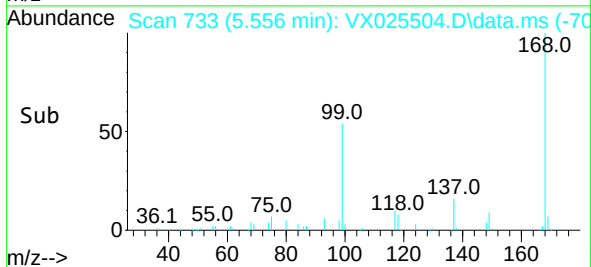
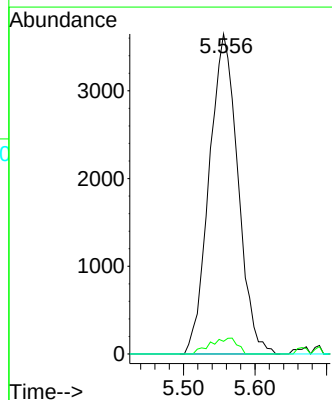
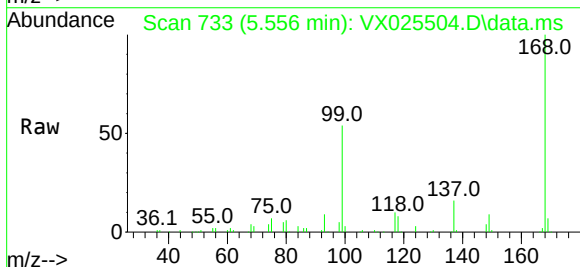


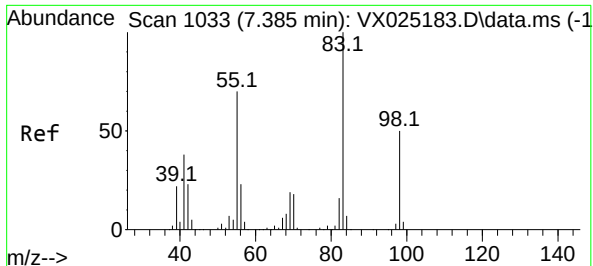
Tgt Ion: 75 Resp: 7299
Ion Ratio Lower Upper
75 100
110 9.9 18.1 54.3#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.883 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.122 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion: 117 Resp: 10174
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 23.7 35.5#





#39

Methylcyclohexane

Concen: 0.306 ug/l

RT: 7.123 min Scan# 990

Delta R.T. -0.262 min

Lab File: VX025504.D

Acq: 04 Dec 2021 00:30

Instrument :

MSVOA_X

ClientSampleId :

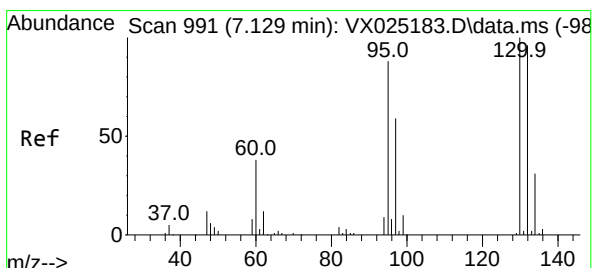
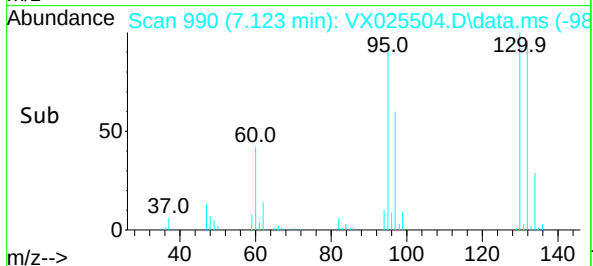
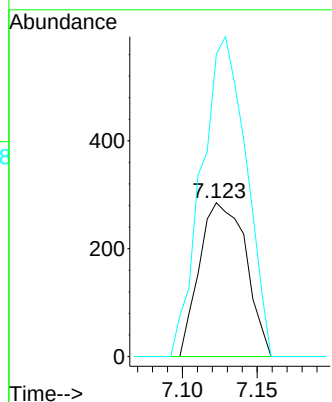
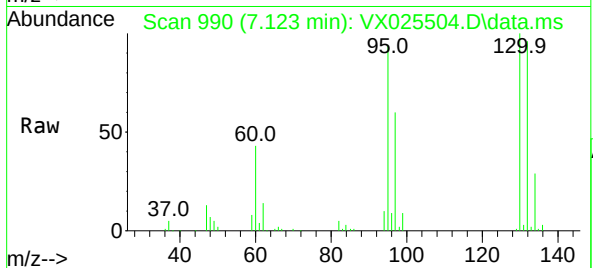
Tgt Ion: 83 Resp: 616

Ion Ratio Lower Upper

83 100

55 0.0 60.8 91.2#

98 196.8 37.0 55.4#



#44

Trichloroethene

Concen: 37.855 ug/l

RT: 7.129 min Scan# 991

Delta R.T. -0.000 min

Lab File: VX025504.D

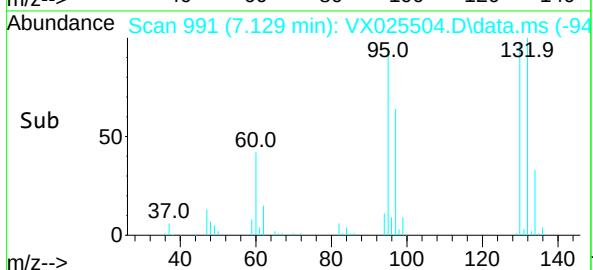
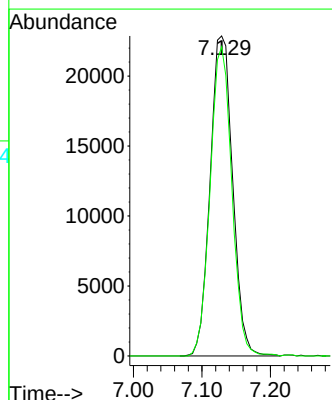
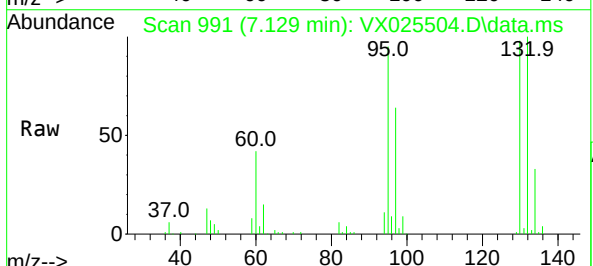
Acq: 04 Dec 2021 00:30

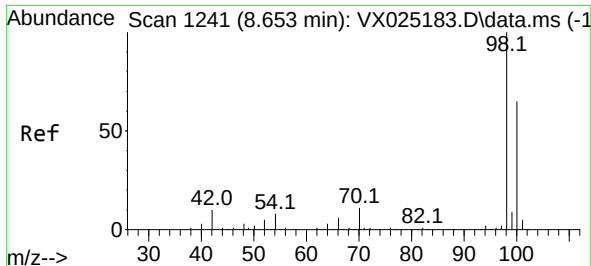
Tgt Ion:130 Resp: 52310

Ion Ratio Lower Upper

130 100

95 96.6 0.0 196.8

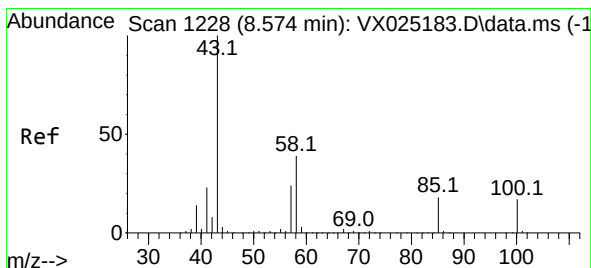
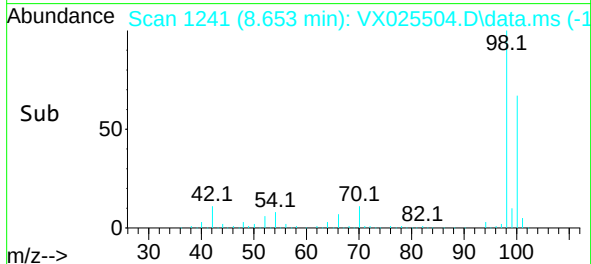
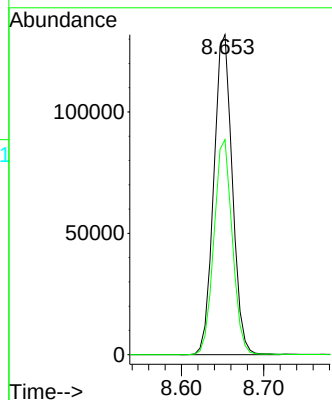
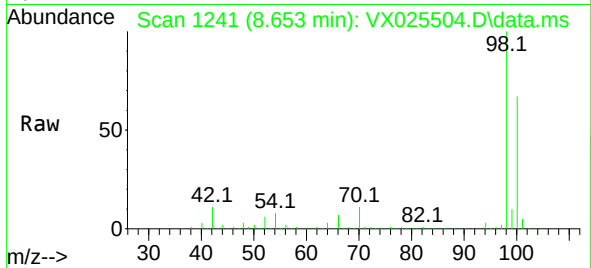




#50
Toluene-d8
Concen: 49.827 ug/l
RT: 8.653 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

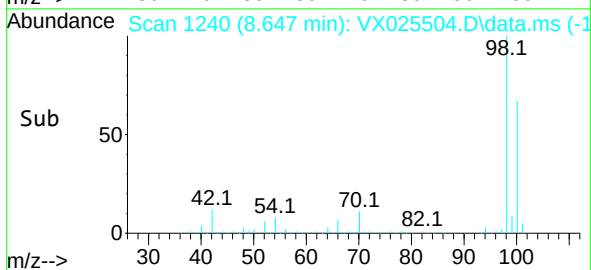
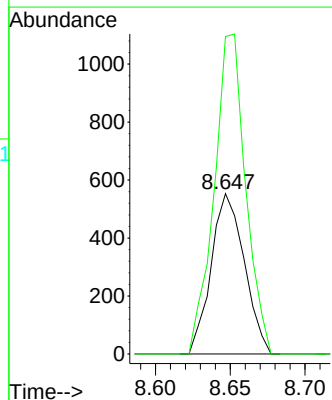
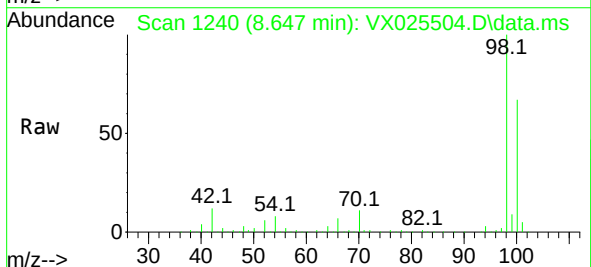
Instrument :
MSVOA_X
ClientSampleId :

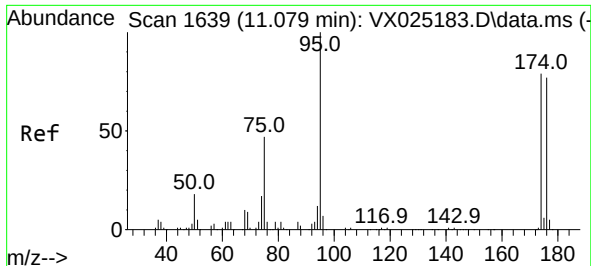
Tgt Ion: 98 Resp: 206885
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion: 43 Resp: 852
Ion Ratio Lower Upper
43 100
58 190.0 30.9 46.3#





#62

4-Bromofluorobenzene

Concen: 46.154 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX025504.D

Acq: 04 Dec 2021 00:30

Instrument :

MSVOA_X

ClientSampleId :

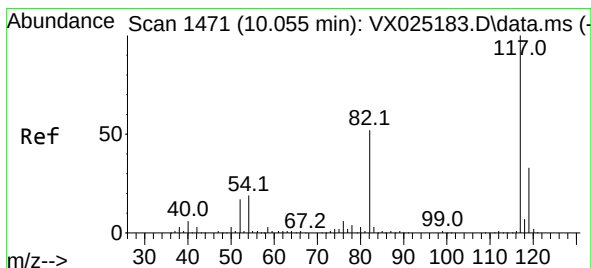
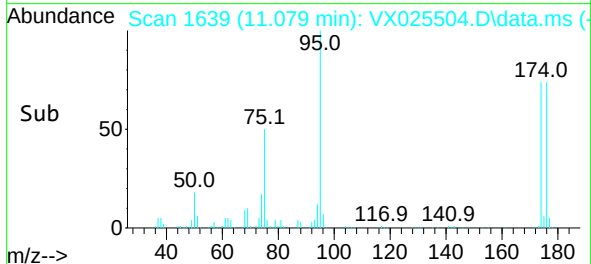
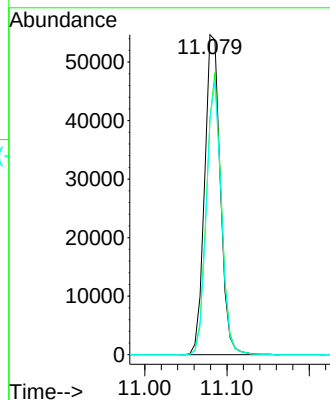
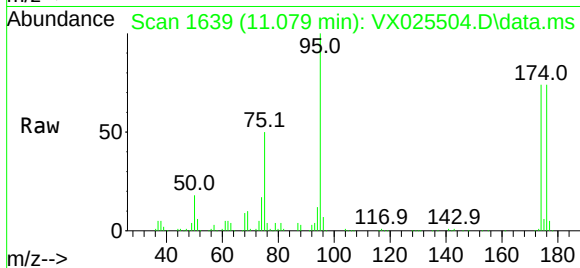
Tgt Ion: 95 Resp: 72497

Ion Ratio Lower Upper

95 100

174 84.1 0.0 158.0

176 81.1 0.0 153.6



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX025504.D

Acq: 04 Dec 2021 00:30

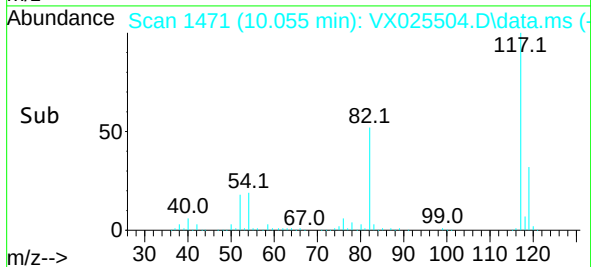
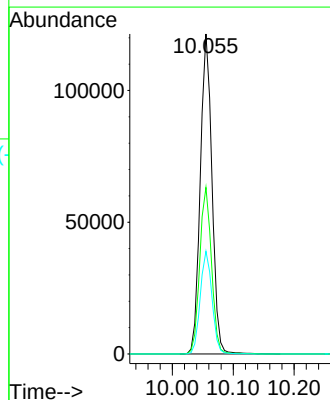
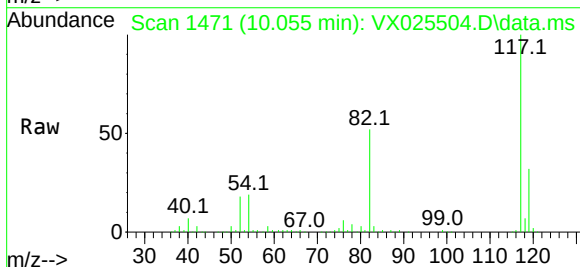
Tgt Ion: 117 Resp: 161567

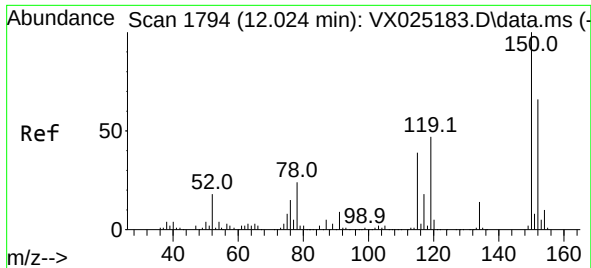
Ion Ratio Lower Upper

117 100

82 52.1 44.6 67.0

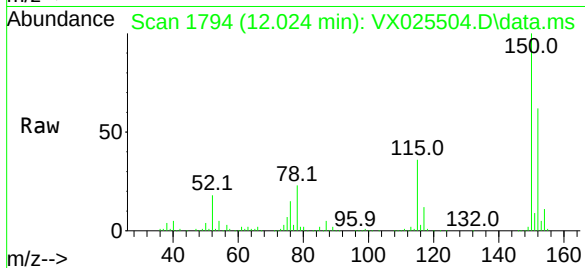
119 32.1 24.8 37.2



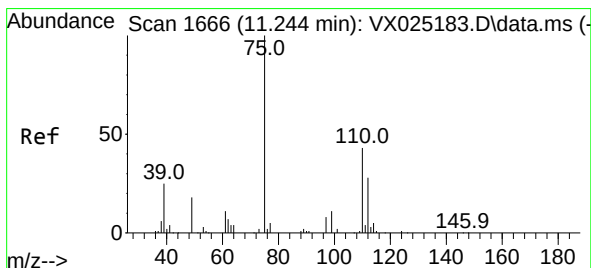
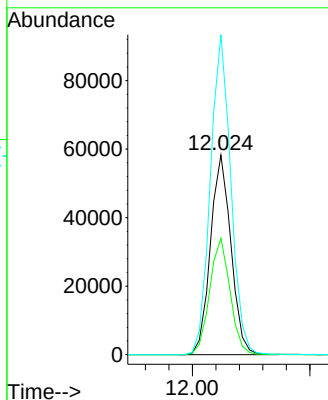
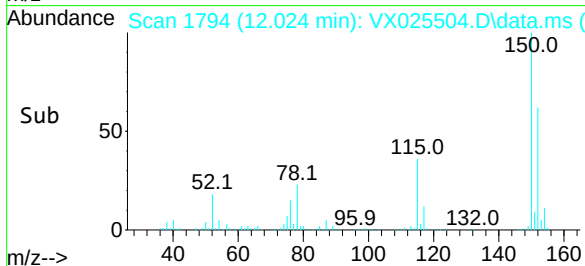


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX025504.D
 Acq: 04 Dec 2021 00:30

Instrument :
 MSVOA_X
 ClientSampleId :

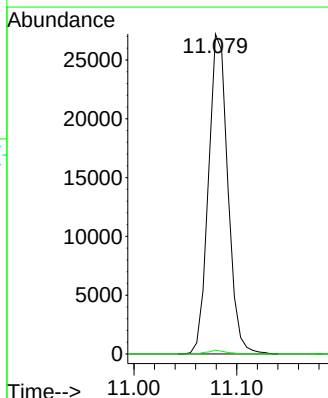
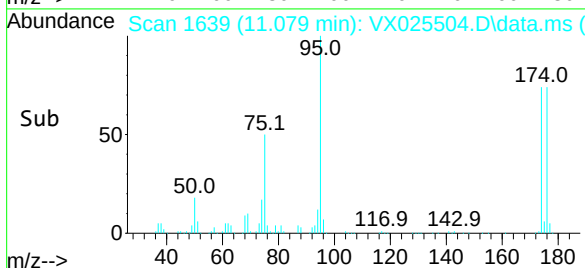
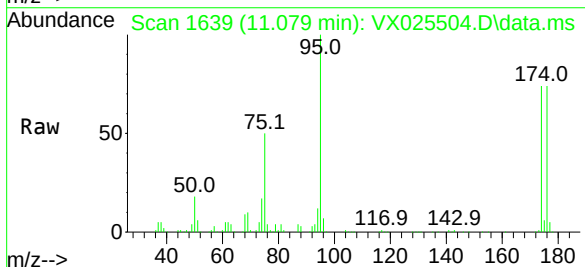


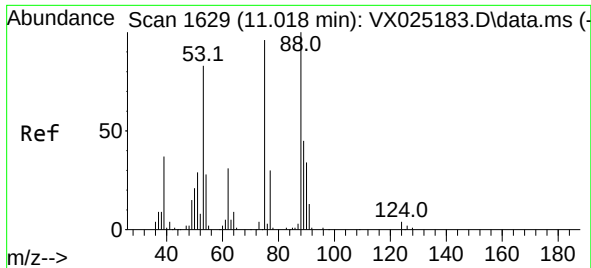
Tgt Ion:152 Resp: 70867
 Ion Ratio Lower Upper
 152 100
 115 57.9 43.3 129.8
 150 159.6 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 24.480 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.165 min
 Lab File: VX025504.D
 Acq: 04 Dec 2021 00:30

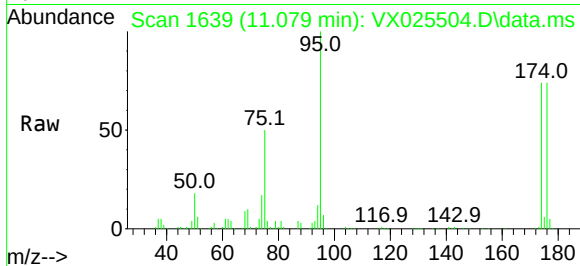
Tgt Ion: 75 Resp: 35525
 Ion Ratio Lower Upper
 75 100
 77 1.1 20.0 59.9#



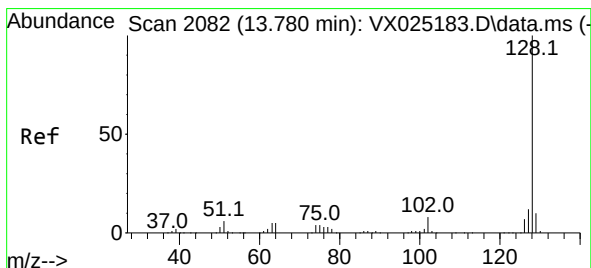
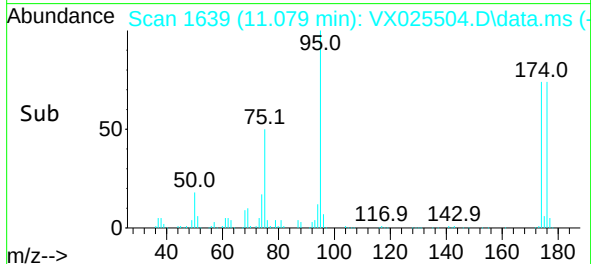
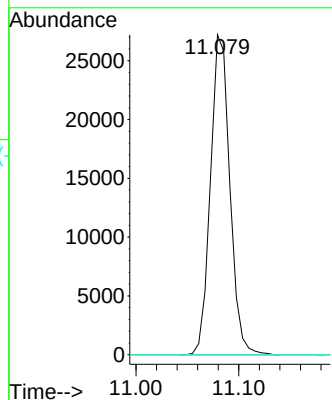


#81
trans-1,4-Dichloro-2-butene
Concen: 61.668 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 35525
Ion Ratio Lower Upper
75 100
53 0.0 81.9 122.9#
89 0.0 38.2 57.2#



#95
Naphthalene
Concen: Below Cal
RT: 13.786 min Scan# 2083
Delta R.T. 0.006 min
Lab File: VX025504.D
Acq: 04 Dec 2021 00:30

Tgt Ion: 128 Resp: 110
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.8 13.2#

