

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX051322\
 Data File : VX028696.D
 Acq On : 13 May 2022 23:06
 Operator : JC/MD
 Sample : VX0513WBL02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

Quant Time: May 16 02:28:06 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	230580	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	426478	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	408626	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	185860	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	167238	52.911	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 105.820%	
35) Dibromofluoromethane	5.391	113	141127	50.507	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.020%	
50) Toluene-d8	8.653	98	519043	49.270	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 98.540%	
62) 4-Bromofluorobenzene	11.079	95	190103	48.313	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 96.620%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	953	Below Cal		81
6) Chloroethane	1.685	64	572	Below Cal	#	43
10) Methyl Iodide	2.459	142	928	0.302	ug/l	96
11) Tert butyl alcohol	2.947	59	7391	3.140	ug/l #	73
16) Acetone	2.386	43	1215	0.896	ug/l	89
20) Methylene Chloride	2.794	84	700	0.246	ug/l #	84
31) Cyclohexane	5.550	56	5514	1.257	ug/l #	9
36) 1,1-Dichloropropene	5.562	75	19839	4.727	ug/l #	50
38) Carbon Tetrachloride	5.556	117	24073	5.700	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	100253	23.033	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	100253	67.263	ug/l #	15
94) Hexachlorobutadiene	13.731	225	364	0.241	ug/l	84

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

Quant Time: May 16 02:28:06 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
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QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

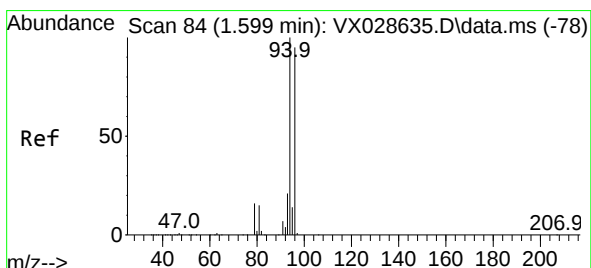
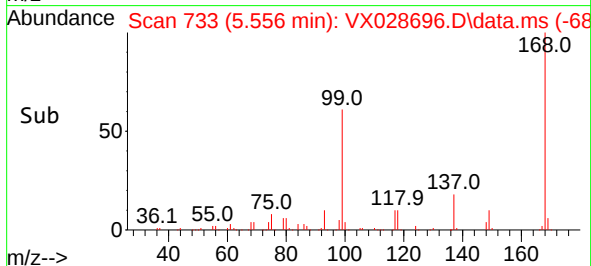
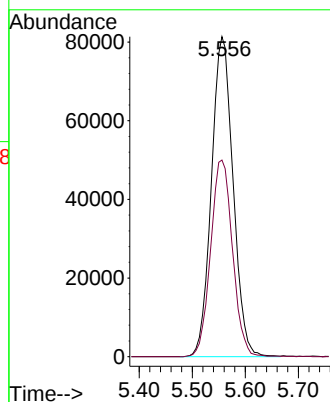
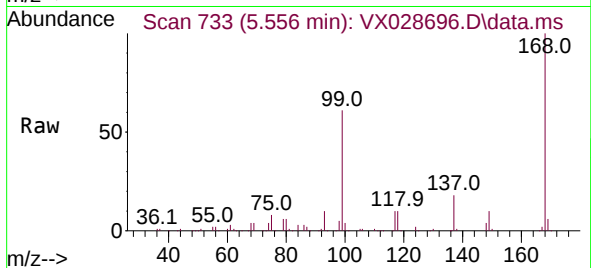




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

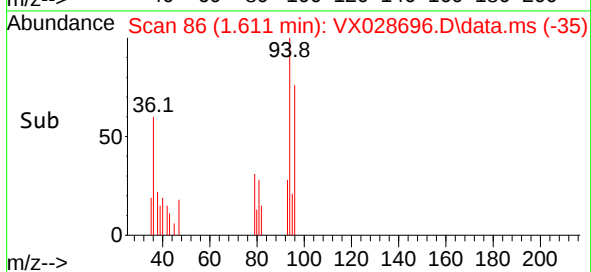
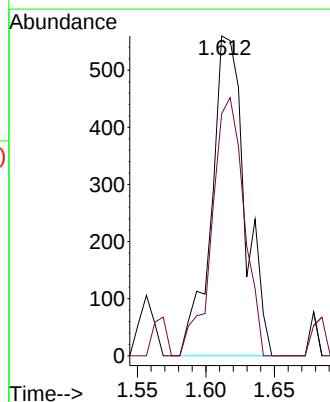
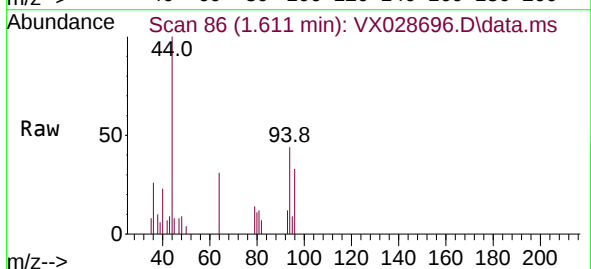
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

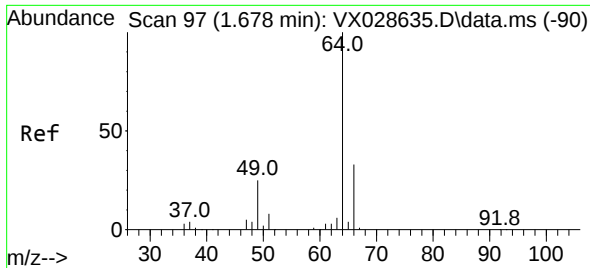
Tgt Ion:168 Resp: 230580
Ion Ratio Lower Upper
168 100
99 61.4 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion: 94 Resp: 953
Ion Ratio Lower Upper
94 100
96 75.7 75.3 112.9

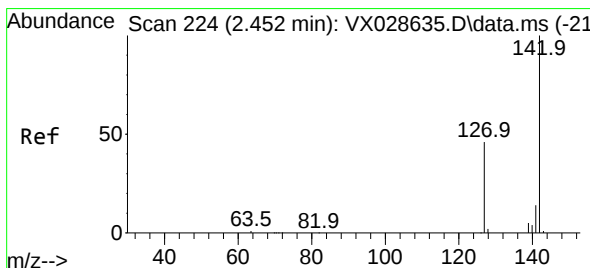
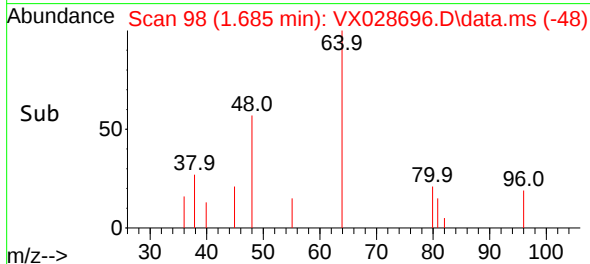
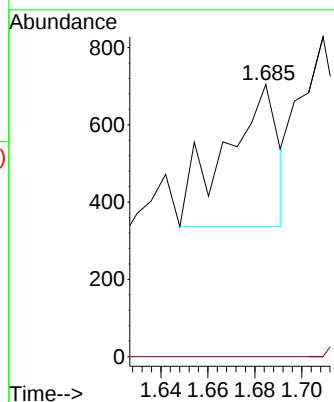
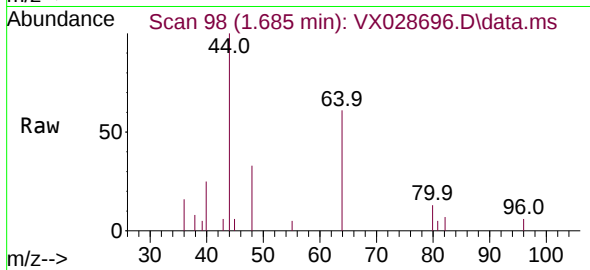




#6
Chloroethane
Concen: Below Cal
RT: 1.685 min Scan# 91
Delta R.T. 0.007 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

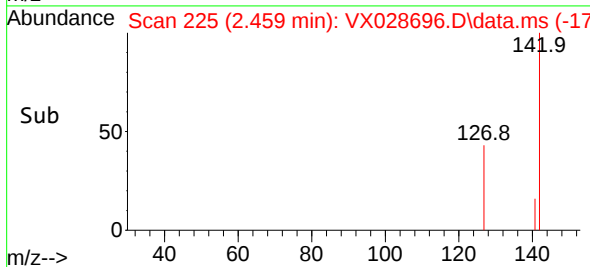
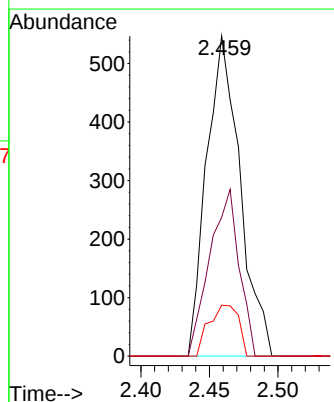
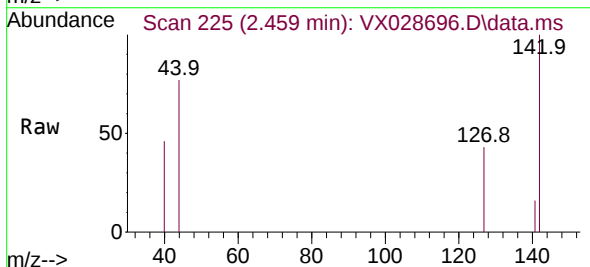
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

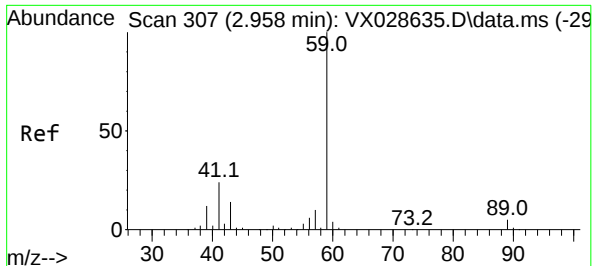
Tgt Ion: 64 Resp: 572
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



#10
Methyl Iodide
Concen: 0.302 ug/l
RT: 2.459 min Scan# 225
Delta R.T. 0.007 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion: 142 Resp: 928
Ion Ratio Lower Upper
142 100
127 45.8 33.9 50.9
141 14.1 11.4 17.2





#11

Tert butyl alcohol

Concen: 3.140 ug/l

RT: 2.947 min Scan# 307

Delta R.T. -0.011 min

Lab File: VX028696.D

Acq: 13 May 2022 23:06

Instrument :

MSVOA_X

ClientSampleId :

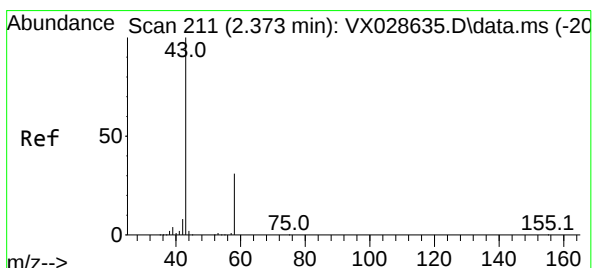
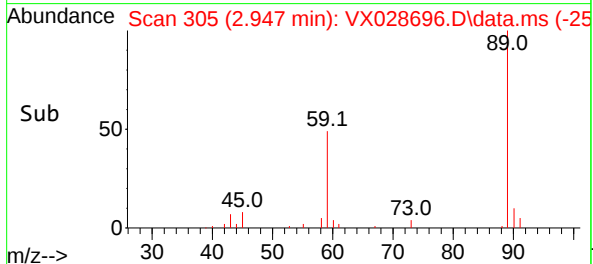
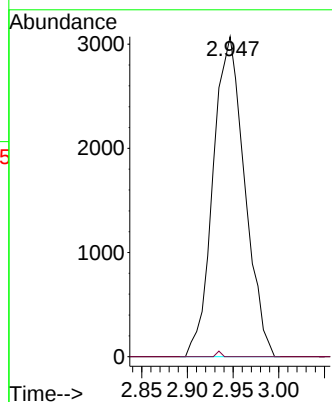
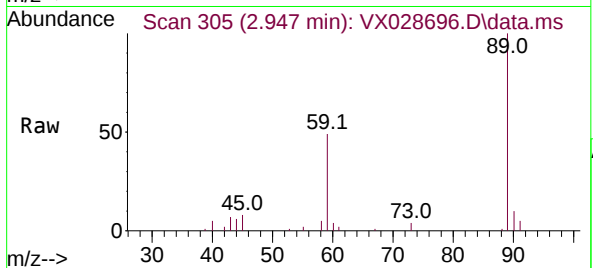
VX0513WBL02

Tgt Ion: 59 Resp: 7391

Ion Ratio Lower Upper

59 100

57 0.3 8.3 12.5#



#16

Acetone

Concen: 0.896 ug/l

RT: 2.386 min Scan# 213

Delta R.T. 0.013 min

Lab File: VX028696.D

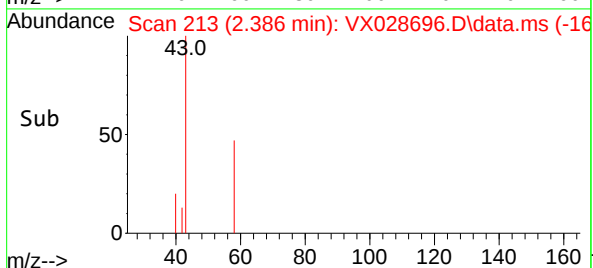
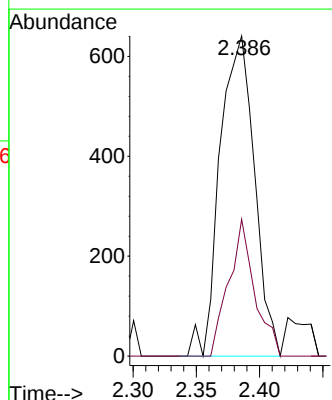
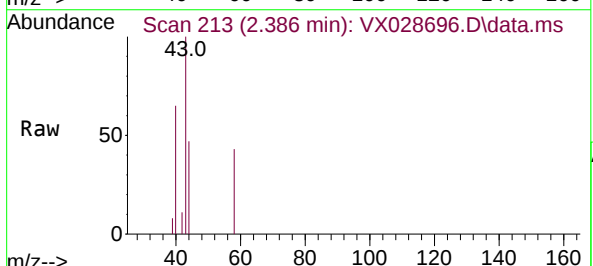
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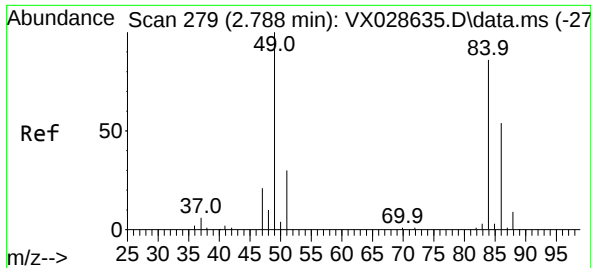
Tgt Ion: 43 Resp: 1215

Ion Ratio Lower Upper

43 100

58 42.7 28.8 43.2

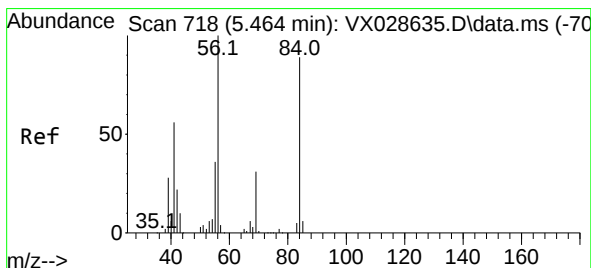
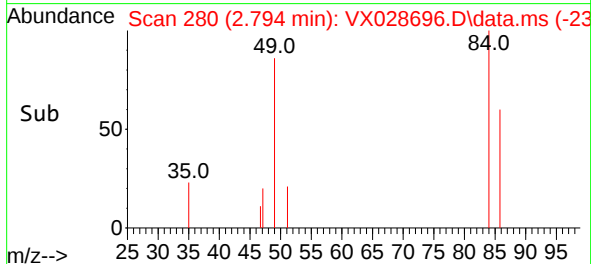
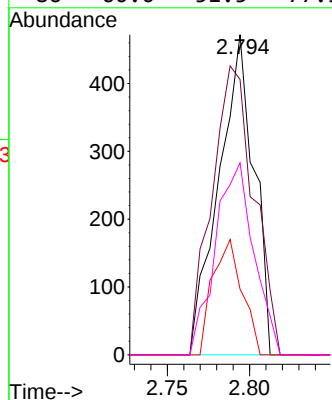
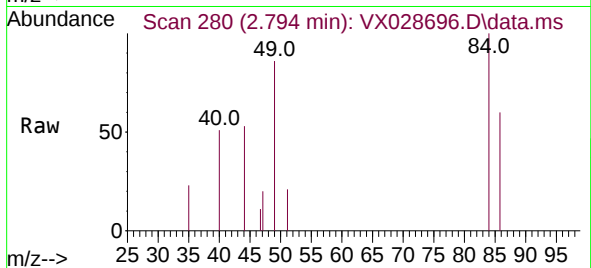




#20
Methylene Chloride
Concen: 0.246 ug/l
RT: 2.794 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

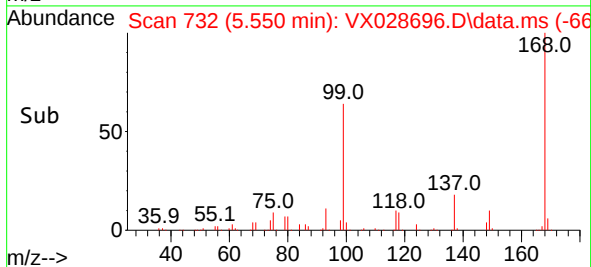
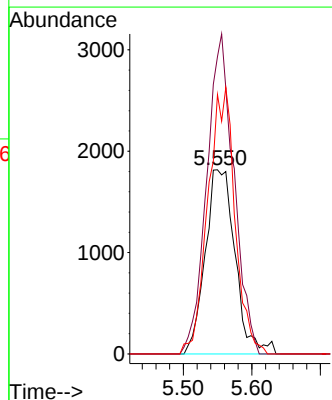
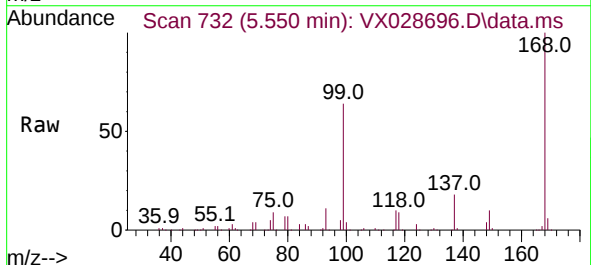
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

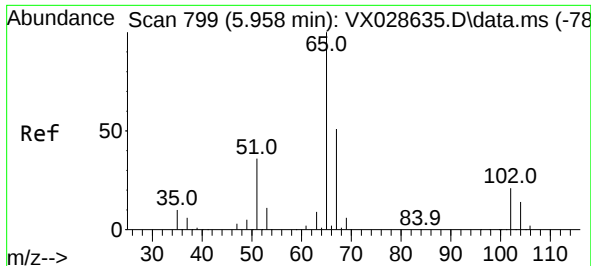
Tgt Ion:	84	Resp:	700
Ion	Ratio	Lower	Upper
84	100		
49	86.0	85.5	128.3
51	20.6	26.6	39.8#
86	60.0	51.5	77.3



#31
Cyclohexane
Concen: 1.257 ug/l
RT: 5.550 min Scan# 732
Delta R.T. 0.086 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion:	56	Resp:	5514
Ion	Ratio	Lower	Upper
56	100		
69	161.4	26.7	40.1#
84	140.8	77.2	115.8#

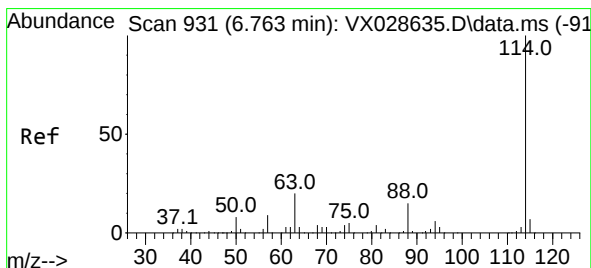
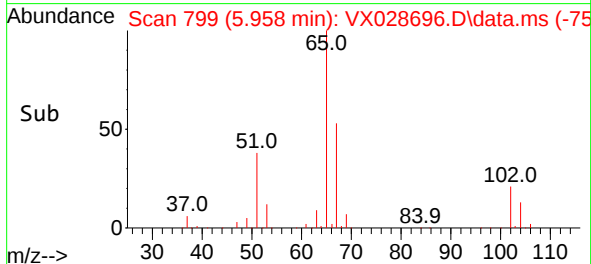
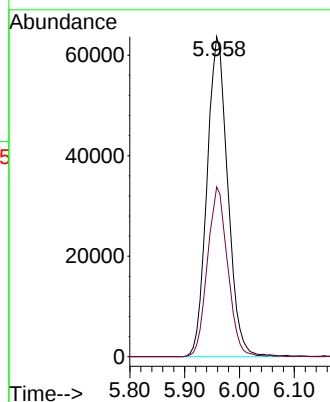
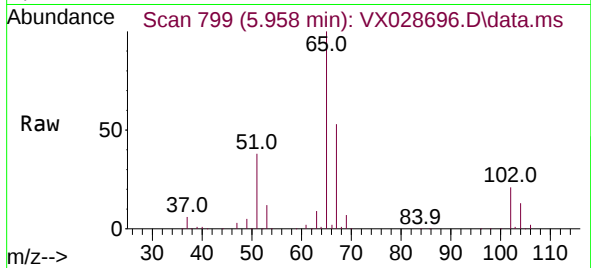




#33
 1,2-Dichloroethane-d4
 Concen: 52.911 ug/l
 RT: 5.958 min Scan# 799
 Delta R.T. 0.000 min
 Lab File: VX028696.D
 Acq: 13 May 2022 23:06

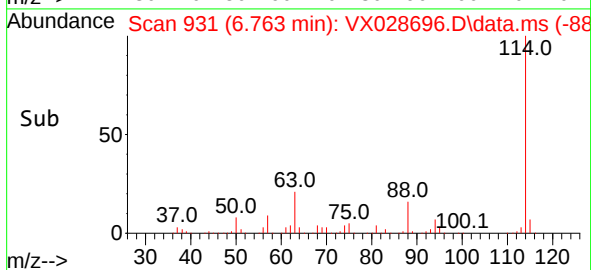
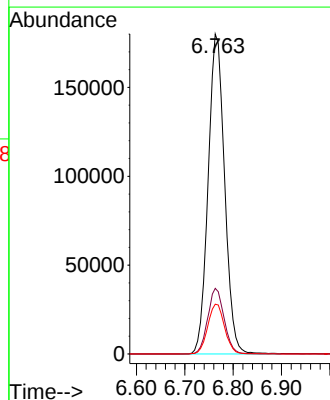
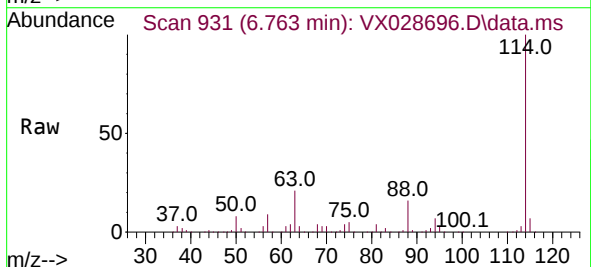
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

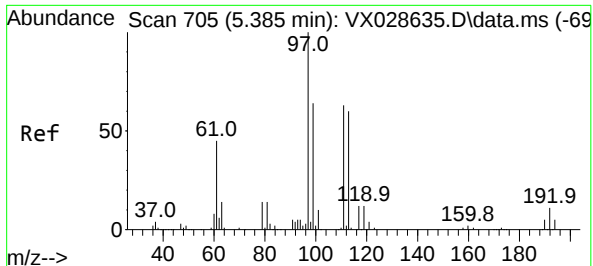
Tgt Ion: 65 Resp: 167238
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. 0.000 min
 Lab File: VX028696.D
 Acq: 13 May 2022 23:06

Tgt Ion: 114 Resp: 426478
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 36.8
 88 15.6 0.0 32.4

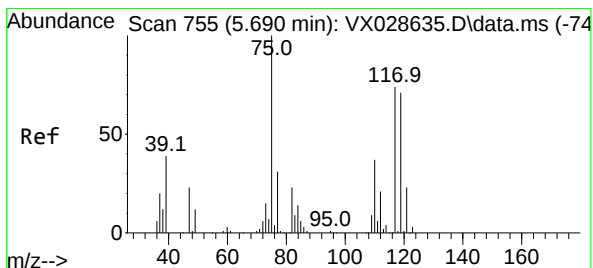
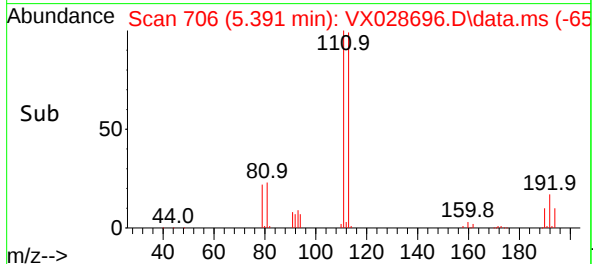
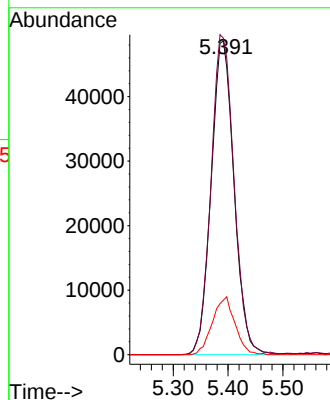
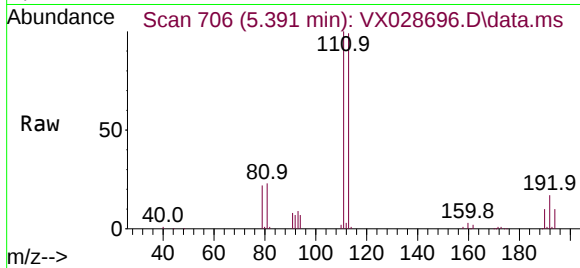




#35
Dibromofluoromethane
Concen: 50.507 ug/l
RT: 5.391 min Scan# 705
Delta R.T. 0.006 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

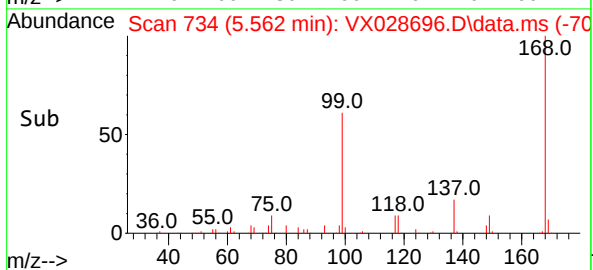
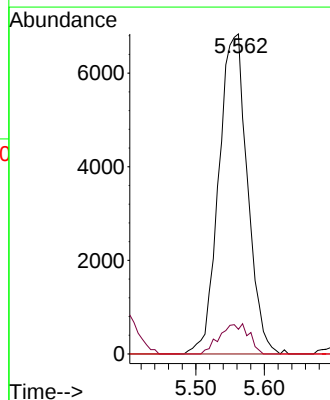
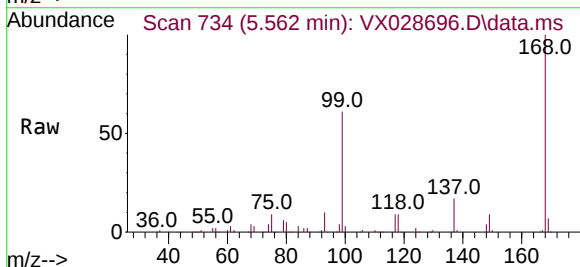
Instrument :
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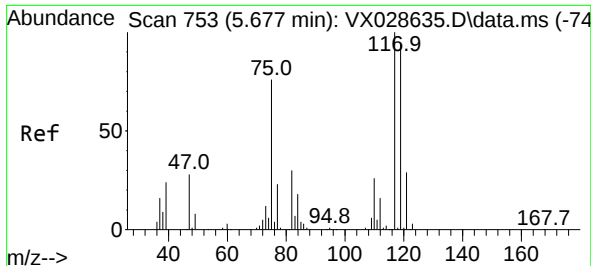
Tgt Ion:113 Resp: 141127
Ion Ratio Lower Upper
113 100
111 102.7 82.8 124.2
192 18.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.727 ug/l
RT: 5.562 min Scan# 734
Delta R.T. -0.128 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

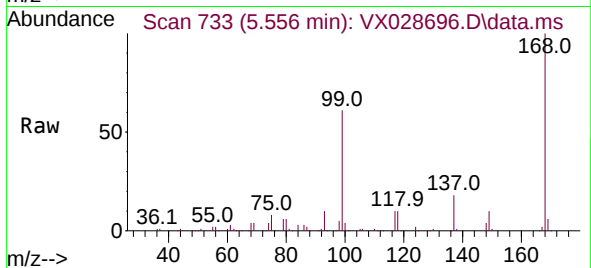
Tgt Ion: 75 Resp: 19839
Ion Ratio Lower Upper
75 100
110 9.6 18.3 54.8#
77 0.0 24.8 37.2#



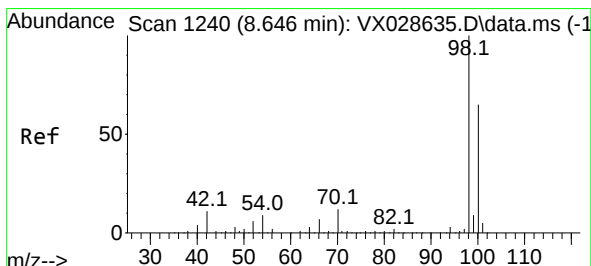
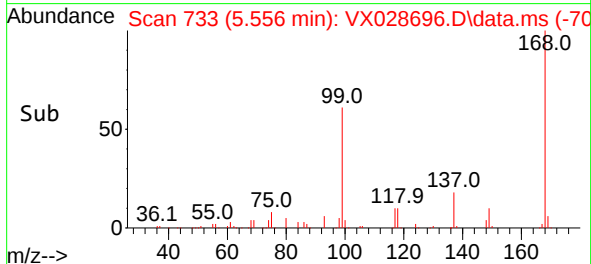
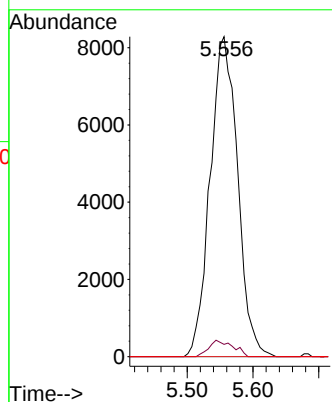


#38
Carbon Tetrachloride
Concen: 5.700 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.121 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

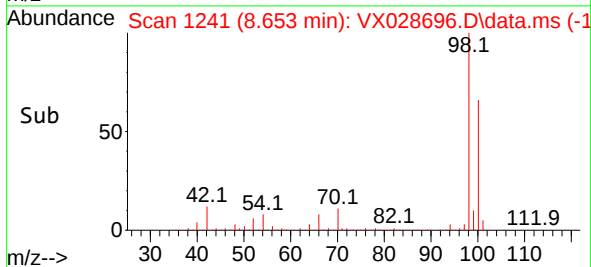
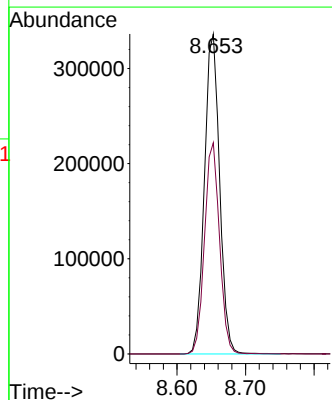
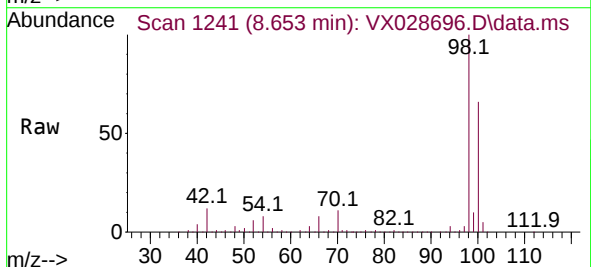


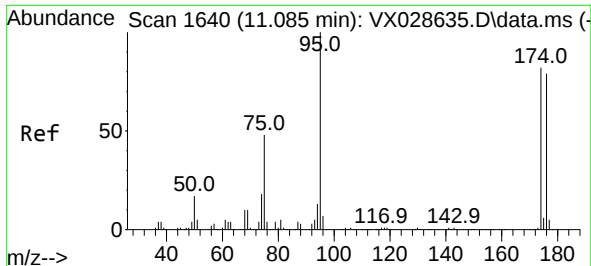
Tgt Ion:117 Resp: 24073
Ion Ratio Lower Upper
117 100
119 3.8 77.3 115.9#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.270 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.007 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion: 98 Resp: 519043
Ion Ratio Lower Upper
98 100
100 65.2 52.6 78.8

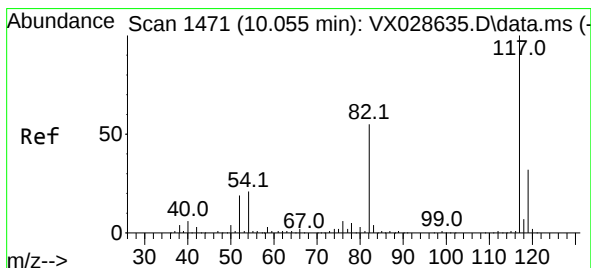
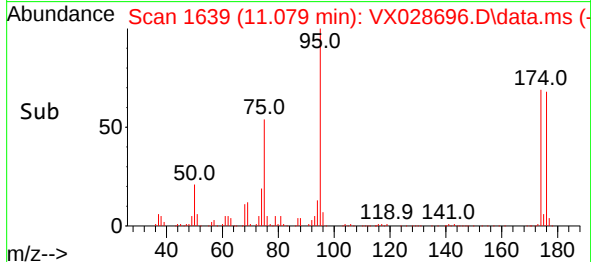
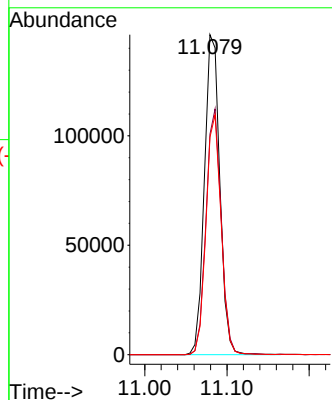
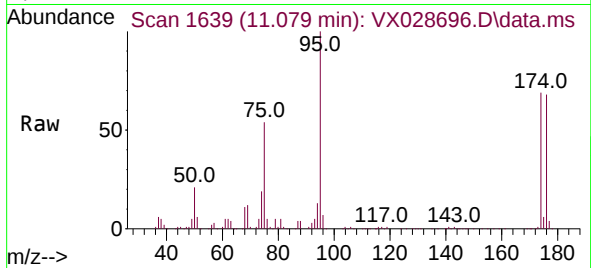




#62
4-Bromofluorobenzene
Concen: 48.313 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

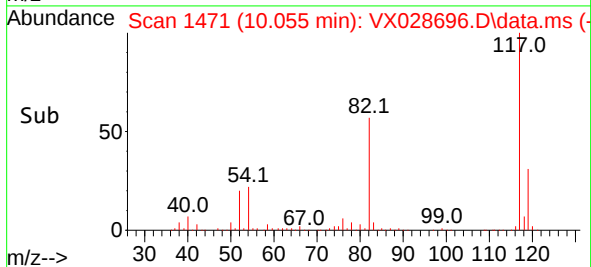
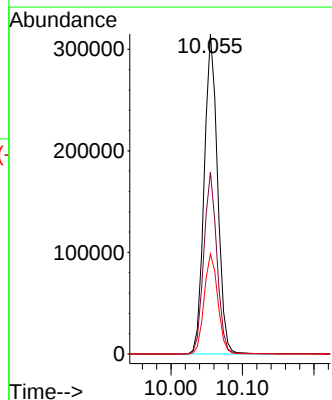
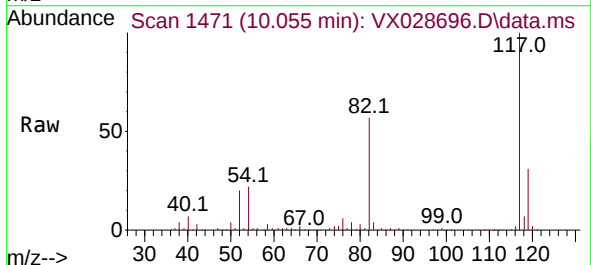
Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

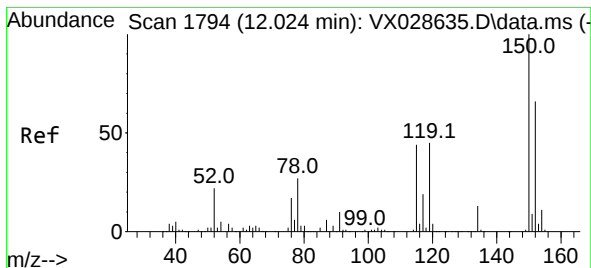
Tgt Ion: 95 Resp: 190103
Ion Ratio Lower Upper
95 100
174 75.8 0.0 163.0
176 73.6 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion: 117 Resp: 408626
Ion Ratio Lower Upper
117 100
82 56.8 41.8 62.8
119 31.3 24.8 37.2

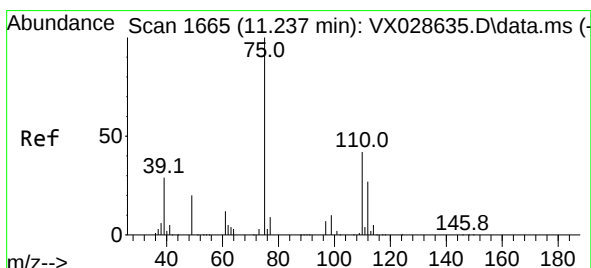
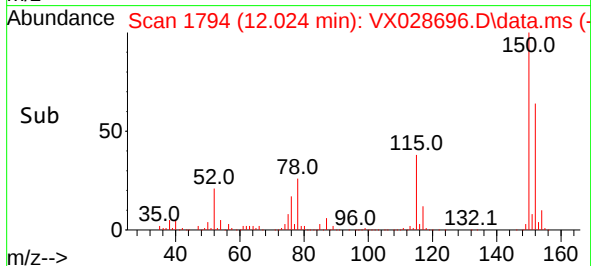
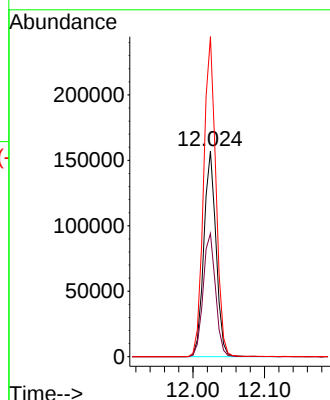
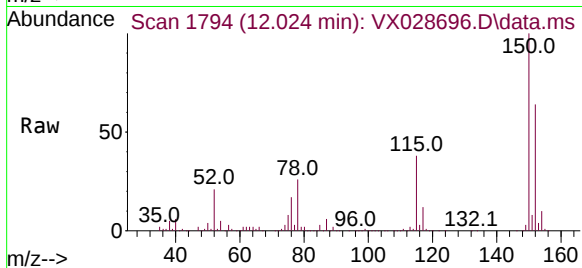




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.024 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VX028696.D
 Acq: 13 May 2022 23:06

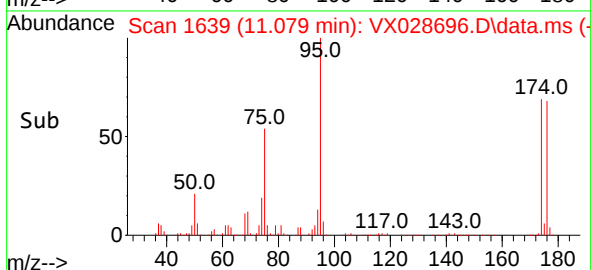
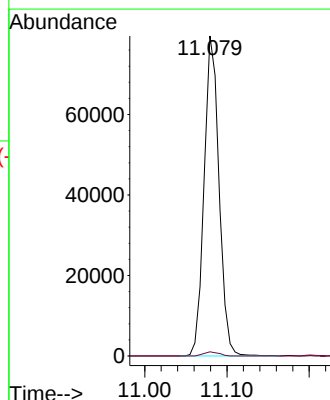
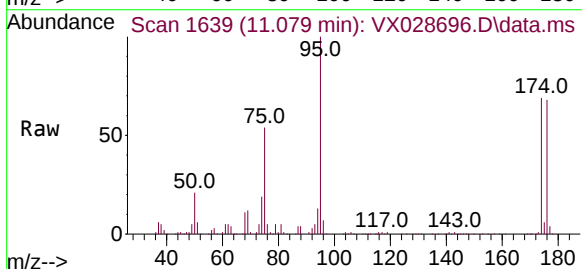
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0513WBL02

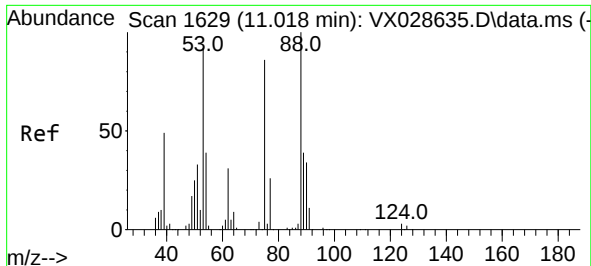
Tgt Ion:152 Resp: 185860
 Ion Ratio Lower Upper
 152 100
 115 61.1 37.5 112.7
 150 156.9 0.0 338.2



#76
 1,2,3-Trichloropropane
 Concen: 23.033 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. -0.158 min
 Lab File: VX028696.D
 Acq: 13 May 2022 23:06

Tgt Ion: 75 Resp: 100253
 Ion Ratio Lower Upper
 75 100
 77 1.3 19.4 58.2#

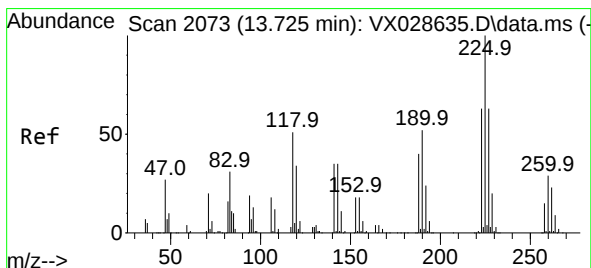
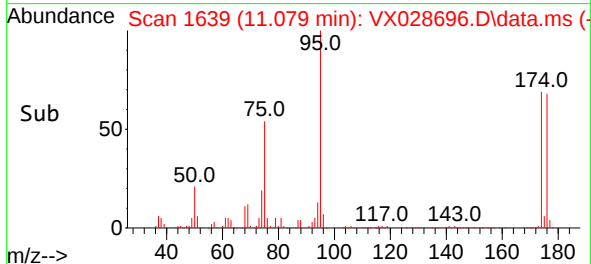
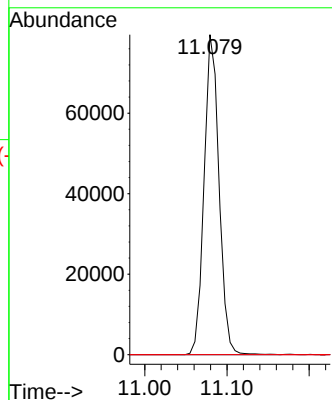
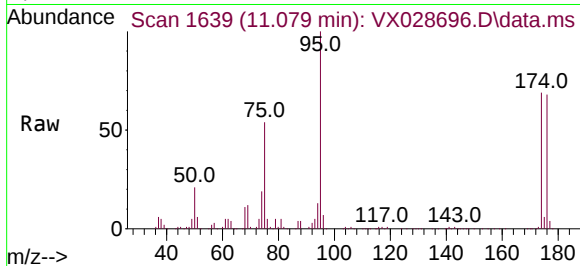




#81
trans-1,4-Dichloro-2-butene
Concen: 67.263 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Instrument :
MSVOA_X
ClientSampleId :
VX0513WBL02

Tgt Ion: 75 Resp: 100253
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#



#94
Hexachlorobutadiene
Concen: 0.241 ug/l
RT: 13.731 min Scan# 2074
Delta R.T. 0.006 min
Lab File: VX028696.D
Acq: 13 May 2022 23:06

Tgt Ion: 225 Resp: 364
Ion Ratio Lower Upper
225 100
223 54.7 34.2 102.5
227 54.9 33.9 101.7

