

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
 Data File : VX024063.D
 Acq On : 01 Sep 2021 14:14
 Operator : JC/MD
 Sample : M3580-01 4X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Sep 02 07:09:30 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 03 12:05:42 2021
 Response via : Initial Calibration

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

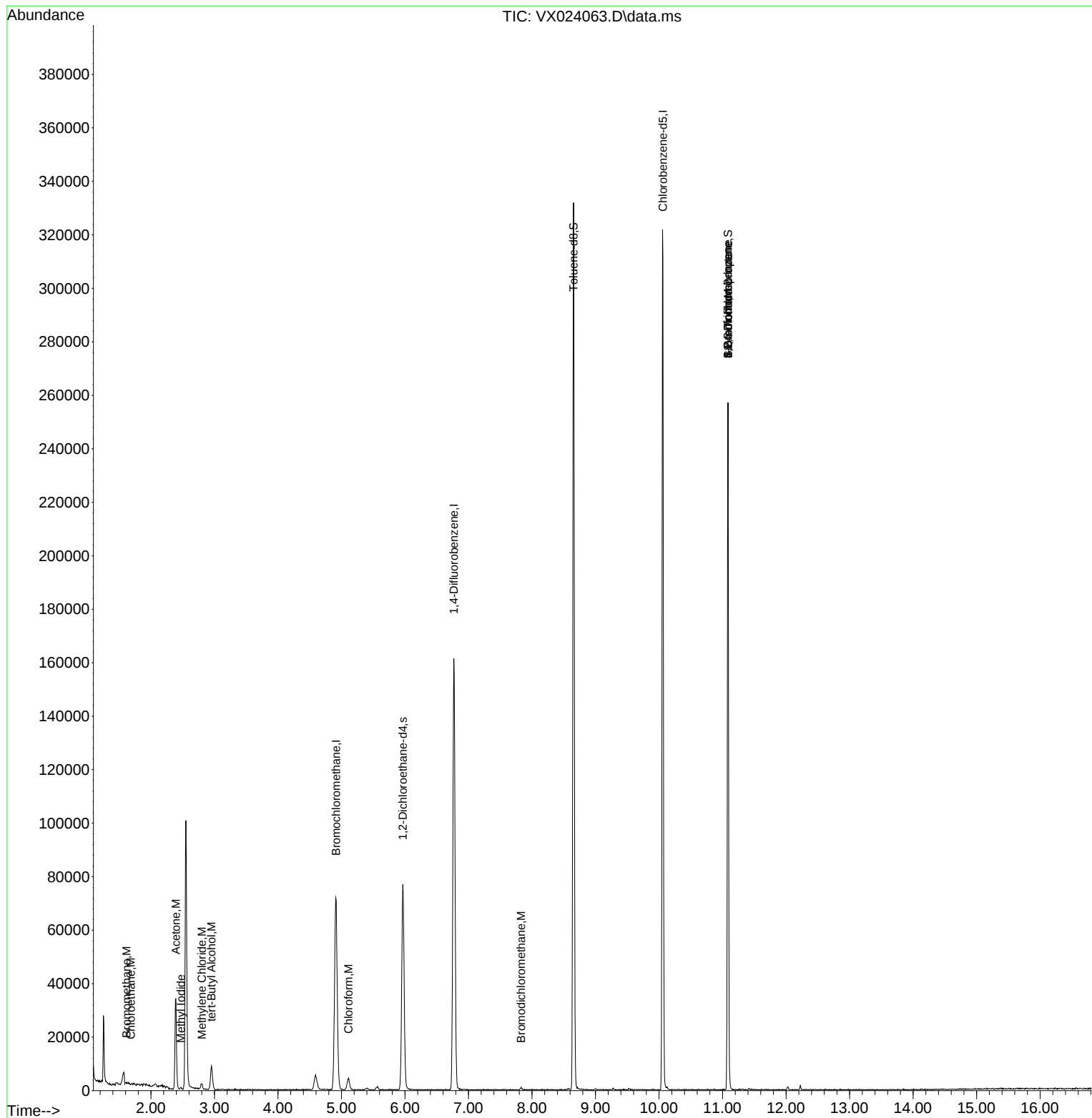
Internal Standards						
1) Bromochloromethane	4.916	128	29479	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.769	114	157586	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.061	117	141707	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.964	65	76270	33.46	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	111.53%	#	
60) 4-Bromofluorobenzene	11.085	95	65168	28.08	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	93.60%		
63) Toluene-d8	8.653	98	191455	30.02	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	100.07%		
Target Compounds						
						Qvalue
5) Bromomethane	1.617	94	352	0.31	ug/l #	66
6) Chloroethane	1.684	64	269	0.22	ug/l #	41
11) Methyl Iodide	2.471	142	608	0.25	ug/l #	68
15) Acetone	2.392	58	10688	31.30	ug/l	100
18) Methylene Chloride	2.800	84	934	0.46	ug/l #	56
23) tert-Butyl Alcohol	2.953	59	5188	10.15	ug/l #	100
25) Chloroform	5.111	83	4714	1.34	ug/l	95
41) Bromodichloromethane	7.830	83	580	0.23	ug/l #	90
56) Bromoform	11.085	173	537	0.38	ug/l #	1
72) 1,2,3-Trichloropropane	11.085	75	34758	13.03	ug/l	38
77) t-1,4-Dichloro-2-butene	11.085	75	34758	36.51	ug/l #	7

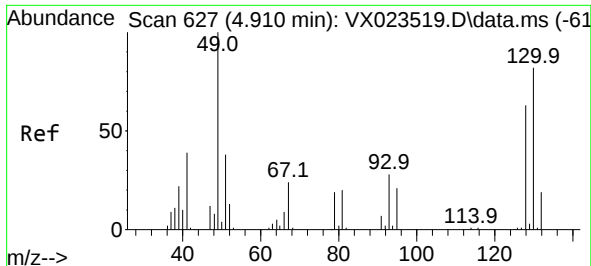
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX090121\
Data File : VX024063.D
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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

Quant Time: Sep 02 07:09:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X080321W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 03 12:05:42 2021
Response via : Initial Calibration

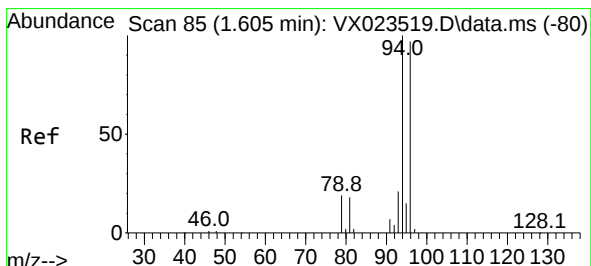
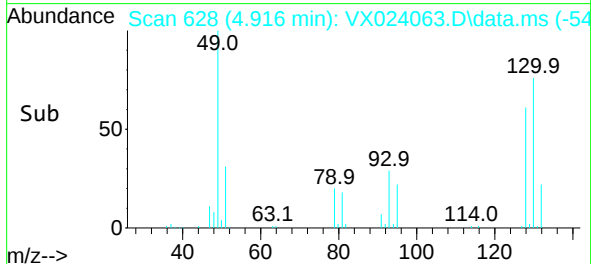
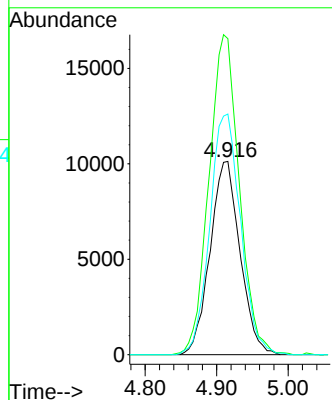
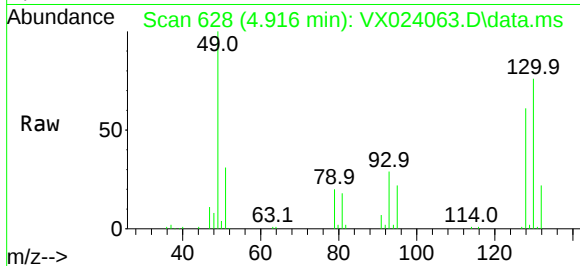




#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.006 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

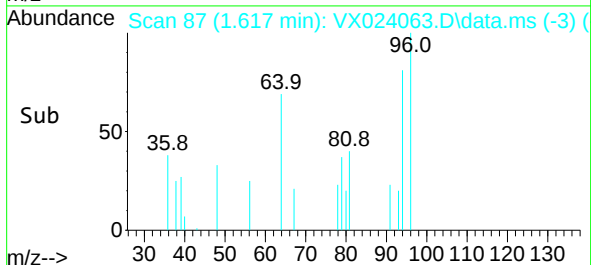
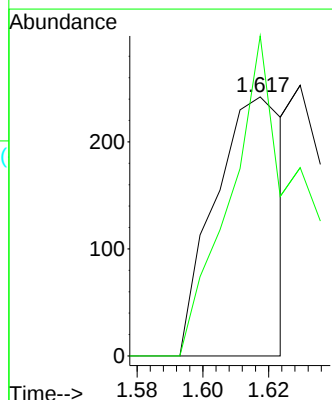
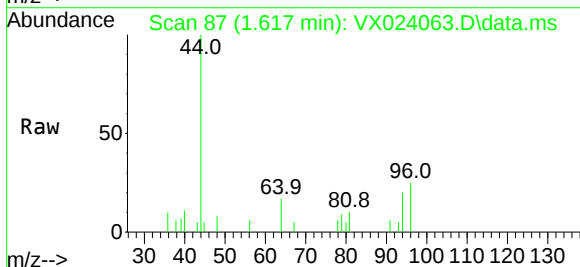
Instrument :
MSVOA_X
ClientSampled :

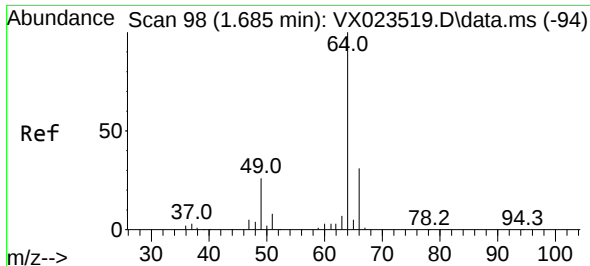
Tgt Ion:128 Resp: 29479
Ion Ratio Lower Upper
128 100
49 167.1 0.0 402.5
130 128.0 0.0 326.5



#5
Bromomethane
Concen: 0.31 ug/l
RT: 1.617 min Scan# 87
Delta R.T. 0.012 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 123.6 72.8 109.2#

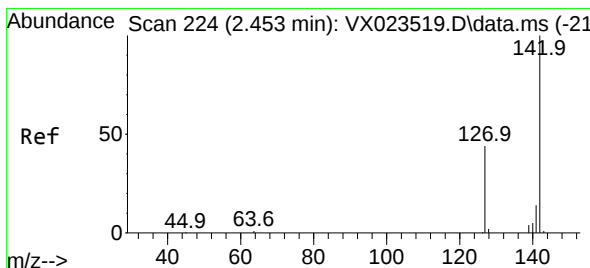
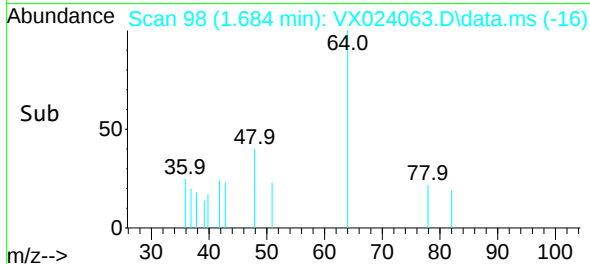
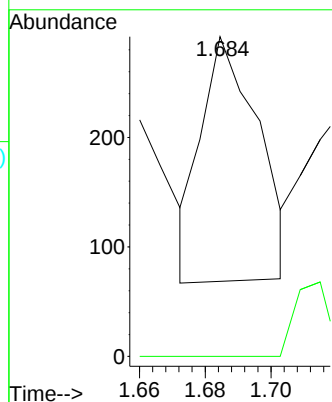
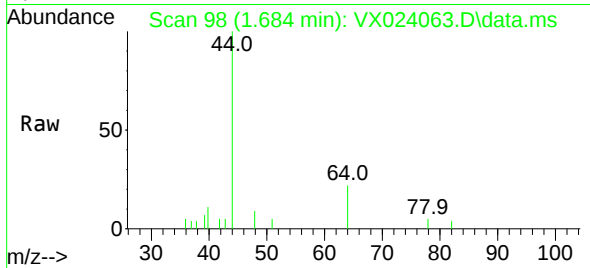




#6
Chloroethane
Concen: 0.22 ug/l
RT: 1.684 min Scan# 98
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

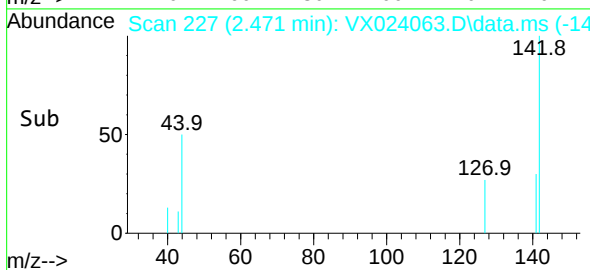
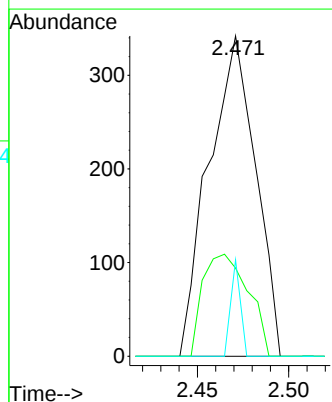
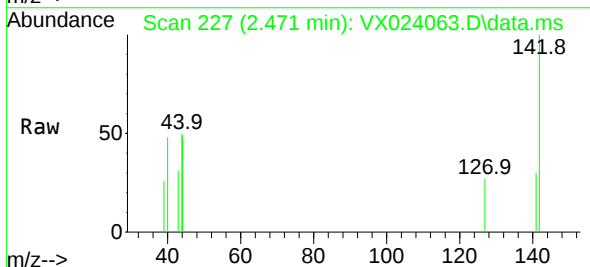
Instrument :
MSVOA_X
ClientSampled :

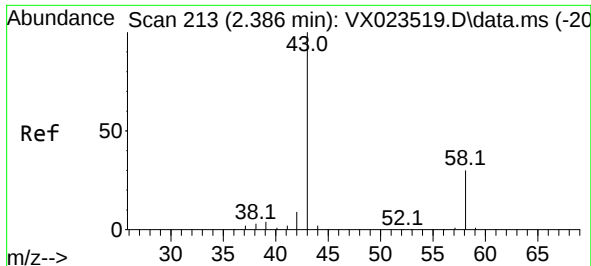
Tgt Ion: 64 Resp: 269
Ion Ratio Lower Upper
64 100
66 0.0 26.8 40.2#



#11
Methyl Iodide
Concen: 0.25 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.018 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 142 Resp: 608
Ion Ratio Lower Upper
142 100
127 27.5 23.6 71.0
141 30.1 7.1 21.3#

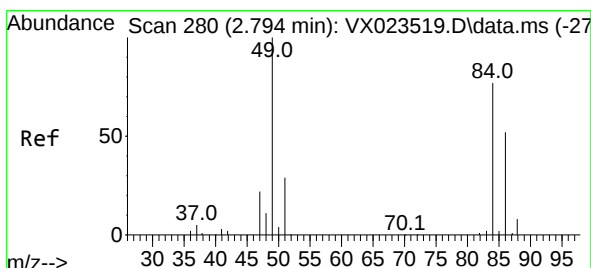
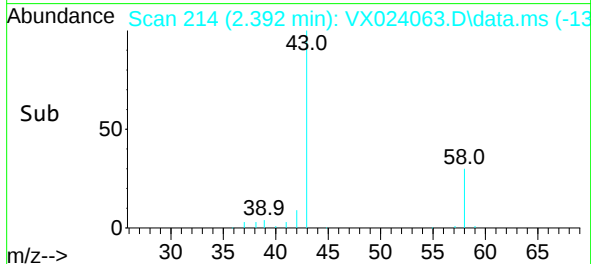
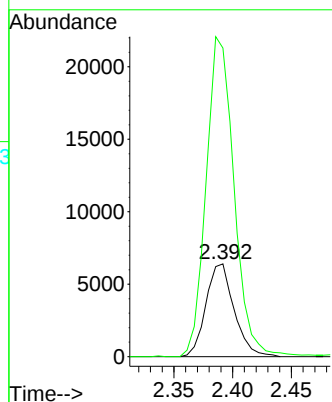
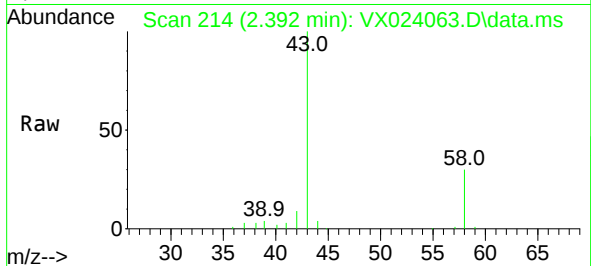




#15
Acetone
Concen: 31.30 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

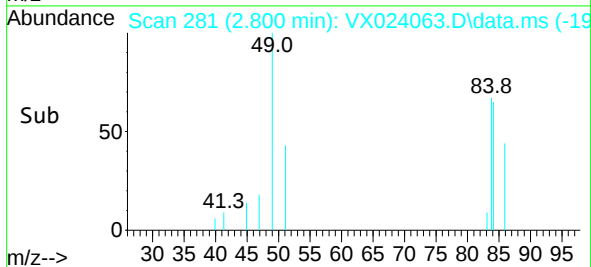
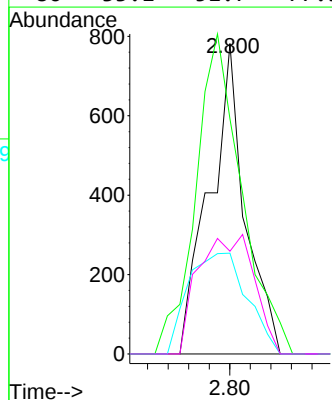
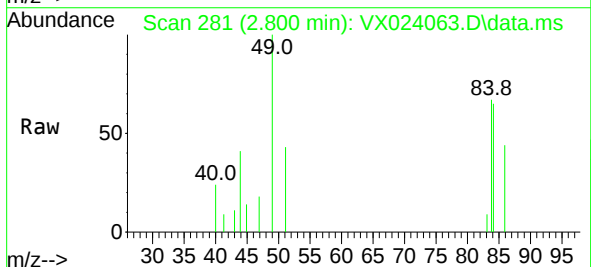
Instrument :
MSVOA_X
ClientSampled :

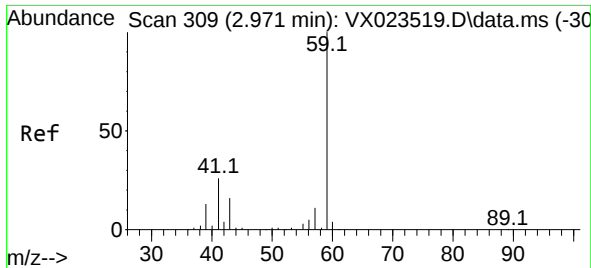
Tgt Ion: 58 Resp: 10688
Ion Ratio Lower Upper
58 100
43 332.4 266.6 400.0



#18
Methylene Chloride
Concen: 0.46 ug/l
RT: 2.800 min Scan# 281
Delta R.T. 0.006 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 84 Resp: 934
Ion Ratio Lower Upper
84 100
49 65.6 104.3 156.5#
51 32.5 30.3 45.5
86 33.1 51.7 77.5#

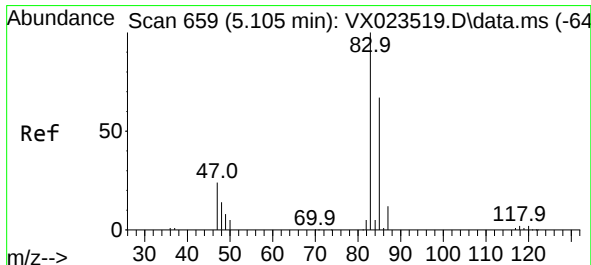
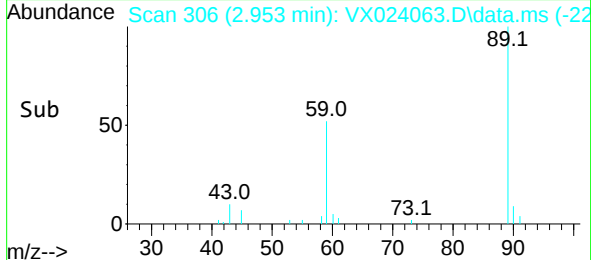
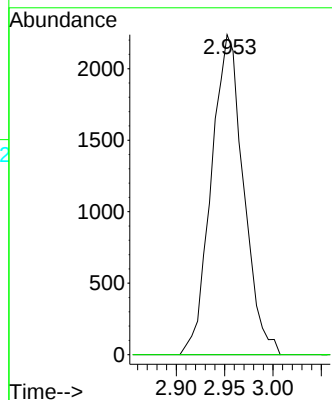
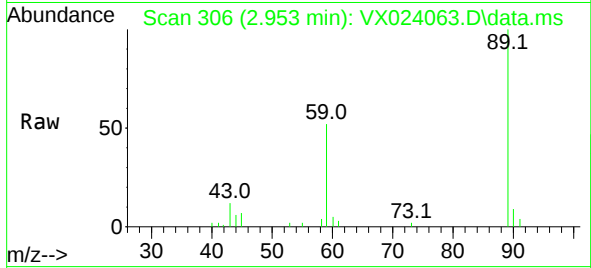




#23
tert-Butyl Alcohol
Concen: 10.15 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

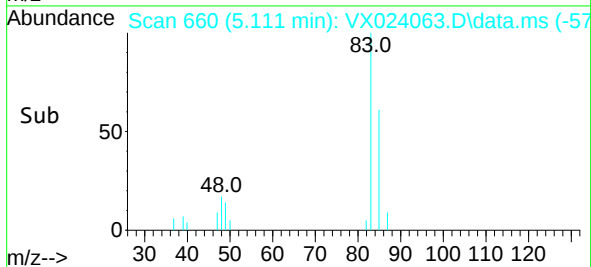
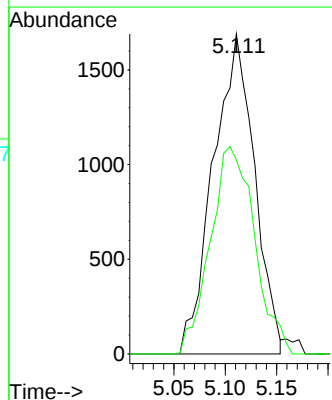
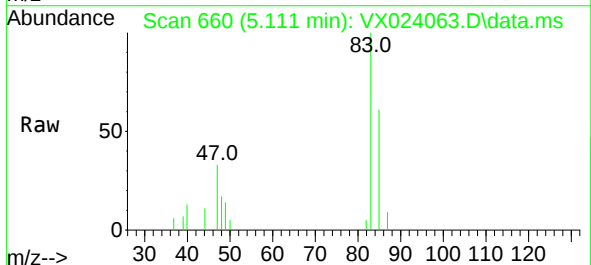
Instrument :
MSVOA_X
ClientSampled :

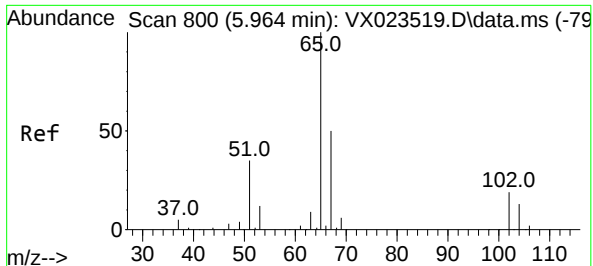
Tgt Ion: 59 Resp: 5188
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#25
Chloroform
Concen: 1.34 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 83 Resp: 4714
Ion Ratio Lower Upper
83 100
85 60.7 51.8 77.8

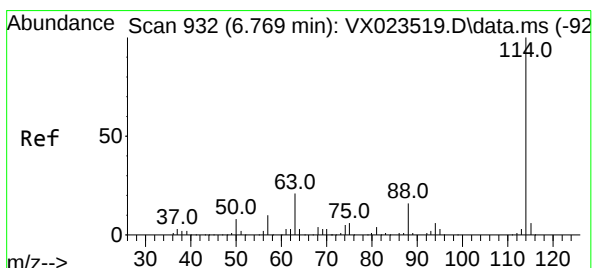
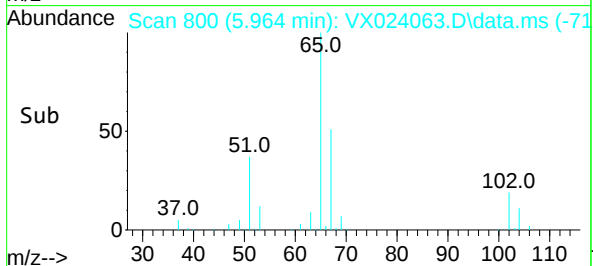
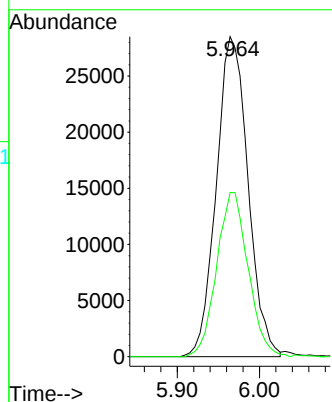
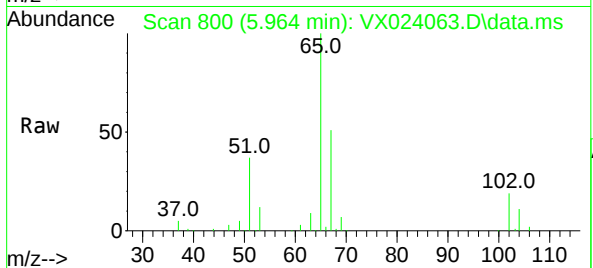




#27
1,2-Dichloroethane-d4
Concen: 33.46 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

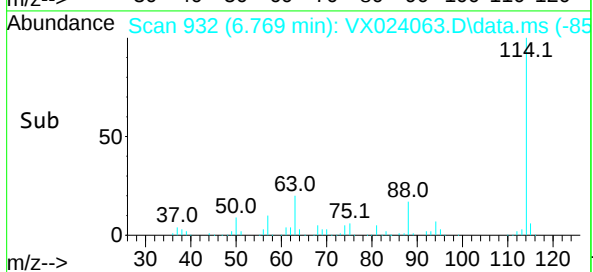
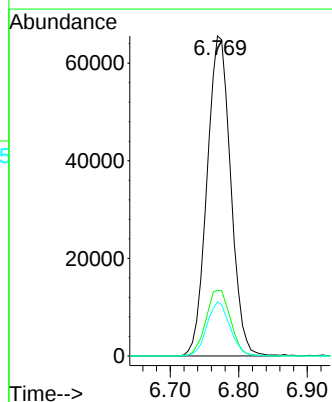
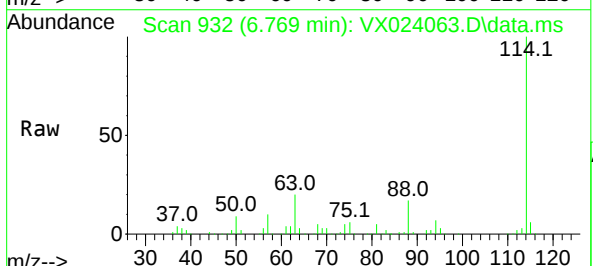
Instrument :
MSVOA_X
ClientSampled :

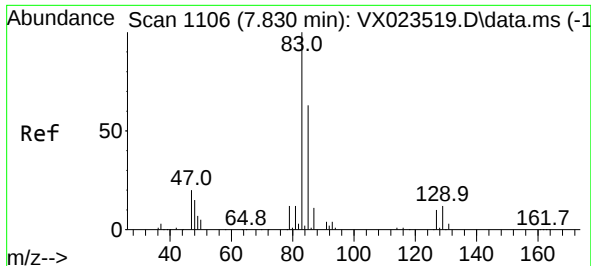
Tgt Ion: 65 Resp: 76270
Ion Ratio Lower Upper
65 100
67 50.9 42.4 63.6



#28
1,4-Difluorobenzene
Concen: 30.00 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 114 Resp: 157586
Ion Ratio Lower Upper
114 100
63 21.4 16.4 24.6
88 16.4 12.7 19.1

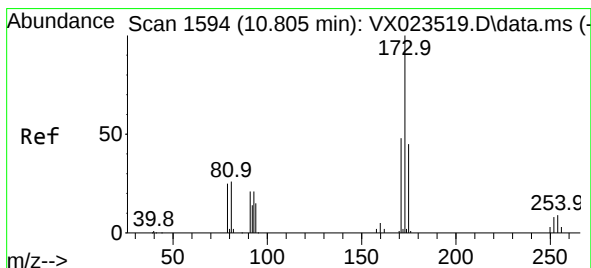
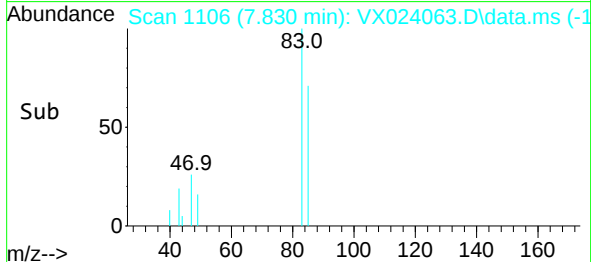
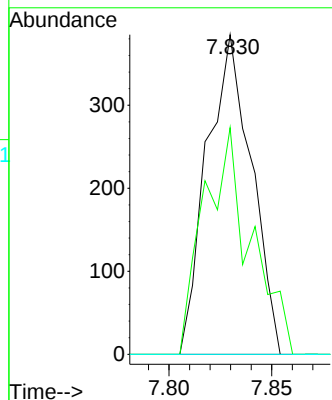
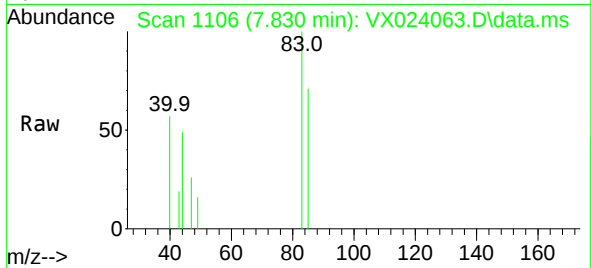




#41
Bromodichloromethane
Concen: 0.23 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

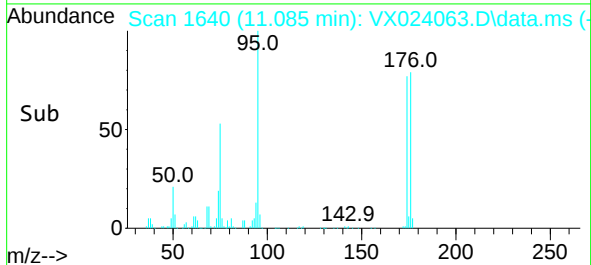
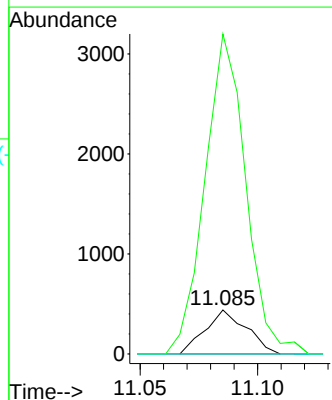
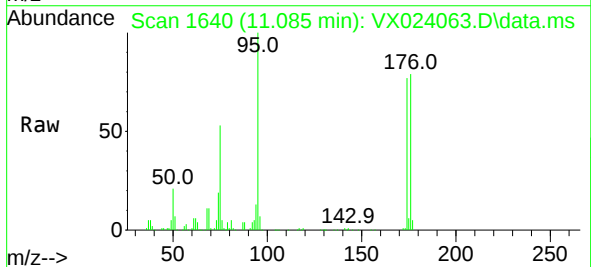
Instrument :
MSVOA_X
ClientSampled :

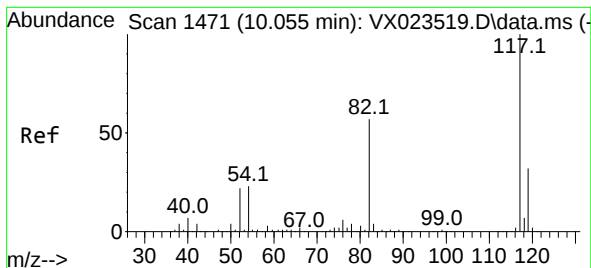
Tgt Ion: 83 Resp: 580
Ion Ratio Lower Upper
83 100
85 70.9 51.7 77.5
127 0.0 7.4 11.0#



#56
Bromoform
Concen: 0.38 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.280 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion:173 Resp: 537
Ion Ratio Lower Upper
173 100
175 720.9 38.4 57.6#
254 0.0 7.3 10.9#

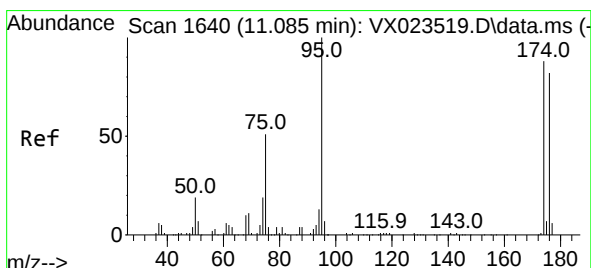
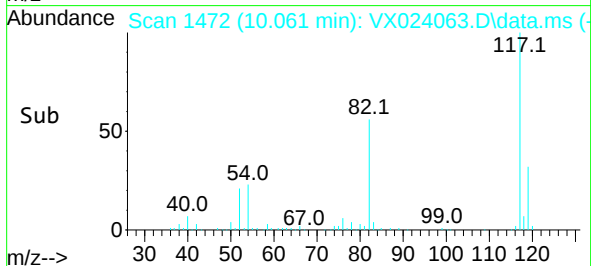
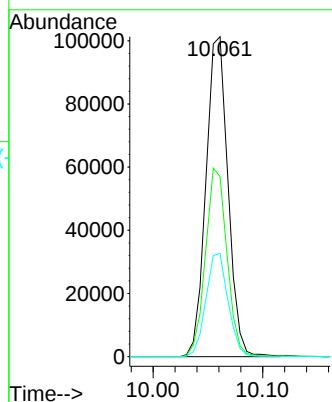
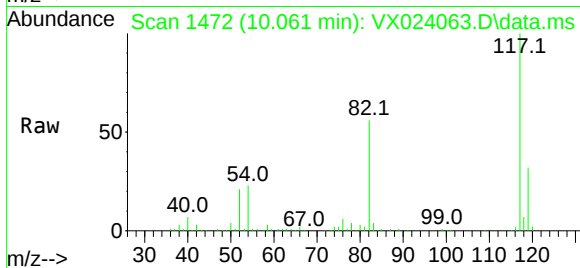




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.061 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

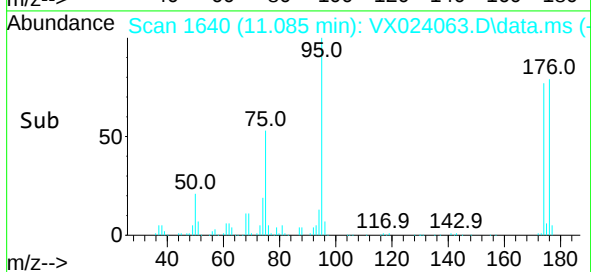
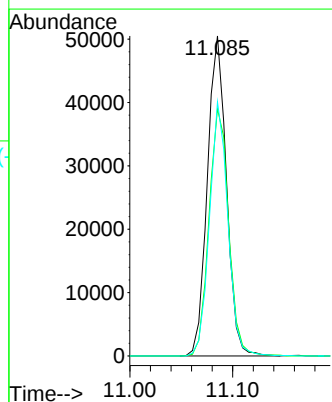
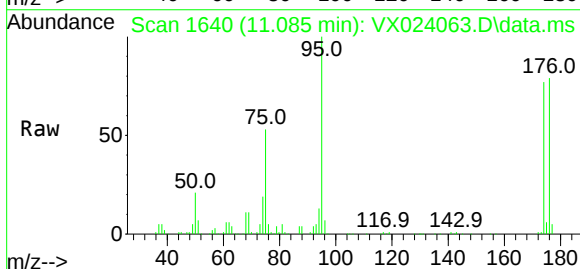
Instrument :
MSVOA_X
ClientSampled :

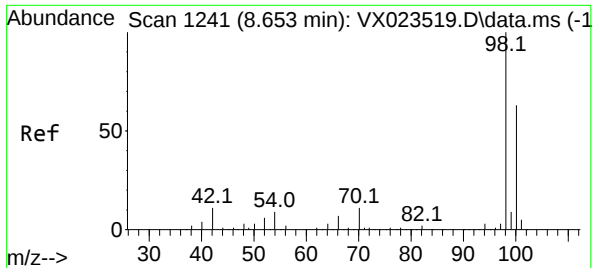
Tgt Ion:117 Resp: 141707
Ion Ratio Lower Upper
117 100
82 57.6 45.0 67.4
119 32.6 26.2 39.2



#60
4-Bromofluorobenzene
Concen: 28.08 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

Tgt Ion: 95 Resp: 65168
Ion Ratio Lower Upper
95 100
174 78.8 63.5 95.3
176 76.3 63.0 94.4

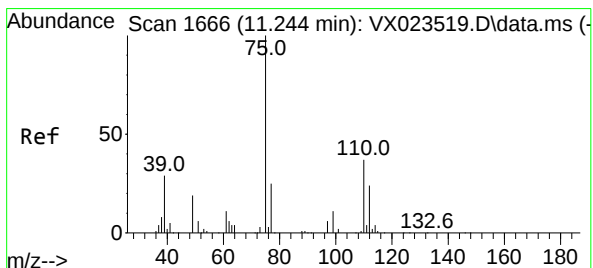
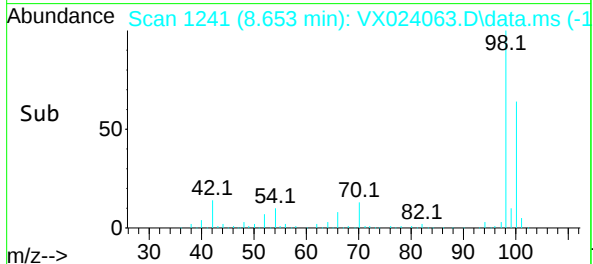
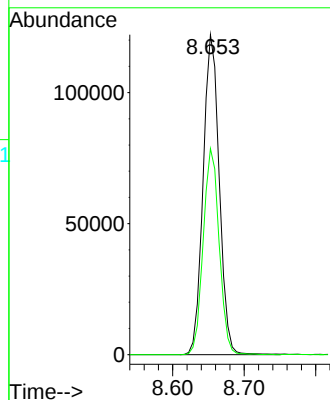
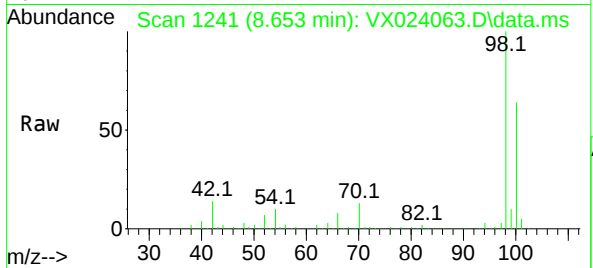




#63
Toluene-d8
Concen: 30.02 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

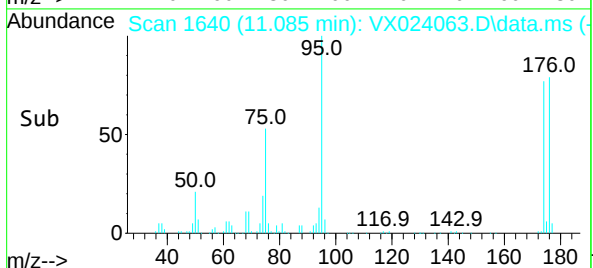
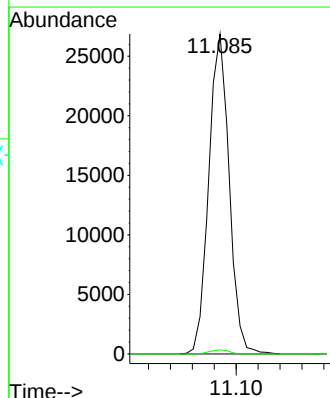
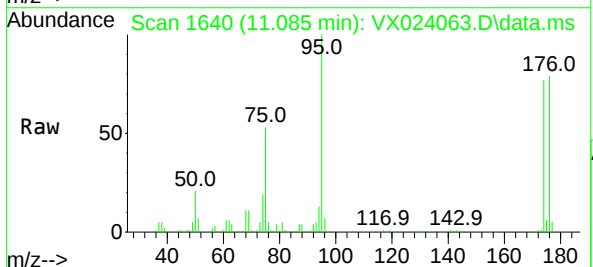
Instrument :
MSVOA_X
ClientSampled :

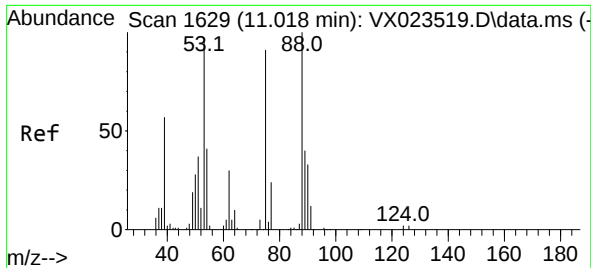
Tgt Ion: 98 Resp: 191455
Ion Ratio Lower Upper
98 100
100 63.6 51.4 77.0



#72
1,2,3-Trichloropropane
Concen: 13.03 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.159 min
Lab File: VX024063.D
Acq: 01 Sep 2021 14:14

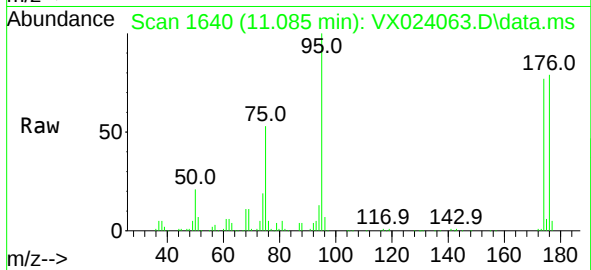
Tgt Ion: 75 Resp: 34758
Ion Ratio Lower Upper
75 100
77 1.2 0.0 77.4





#77
 t-1,4-Dichloro-2-butene
 Concen: 36.51 ug/l
 RT: 11.085 min Scan# 1640
 Delta R.T. 0.067 min
 Lab File: VX024063.D
 Acq: 01 Sep 2021 14:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	34758
Ion	Ratio	Lower	Upper
75	100		
53	0.0	53.9	161.7#
89	0.0	22.9	68.7#

