

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
 Data File : VX043019.D
 Acq On : 13 Aug 2024 16:53
 Operator : JC/MD
 Sample : P3536-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 14 04:35:17 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

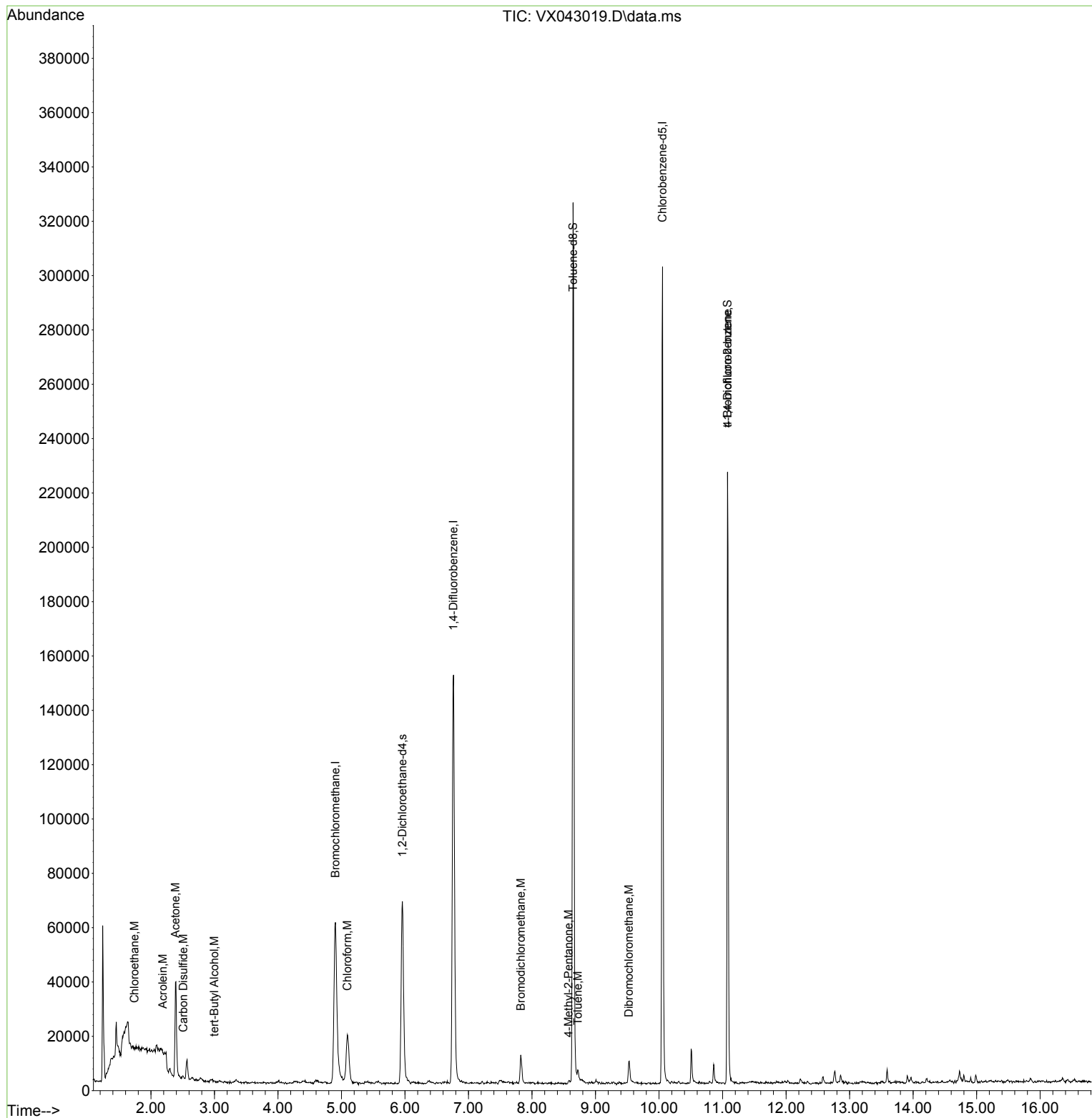
Internal Standards						
1) Bromochloromethane	4.904	128	27483	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	161919	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	141159	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	60788	27.324	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	91.067%
60) 4-Bromofluorobenzene	11.079	95	63347	26.435	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.100%
63) Toluene-d8	8.647	98	194927	30.061	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.200%
Target Compounds						
					Qvalue	
6) Chloroethane	1.740	64	137	0.235	ug/l	96
13) Acrolein	2.185	56	212	0.377	ug/l	100
15) Acetone	2.386	58	14113	38.940	ug/l	75
16) Carbon Disulfide	2.508	76	1205	0.215	ug/l	98
23) tert-Butyl Alcohol	2.995	59	163	0.288	ug/l #	100
25) Chloroform	5.093	83	21829	6.033	ug/l	100
41) Bromodichloromethane	7.824	83	7232	2.636	ug/l	99
53) Dibromochloromethane	9.525	129	2778	1.351	ug/l	94
58) 4-Methyl-2-Pentanone	8.574	43	1047	0.321	ug/l #	55
62) Toluene	8.720	91	2772	0.344	ug/l	95
77) t-1,4-Dichloro-2-butene	11.079	75	30960	25.435	ug/l #	11

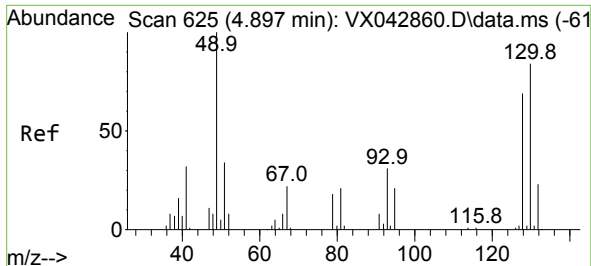
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081324\
Data File : VX043019.D
Acq On : 13 Aug 2024 16:53
Operator : JC/MD
Sample : P3536-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

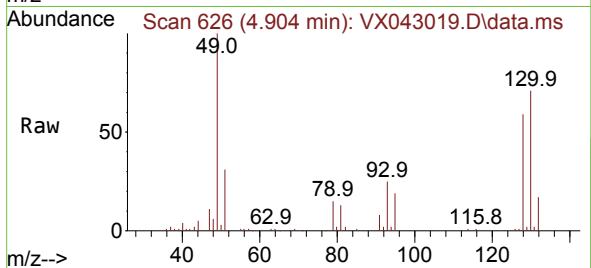
Quant Time: Aug 14 04:35:17 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 13 13:22:56 2024
Response via : Initial Calibration



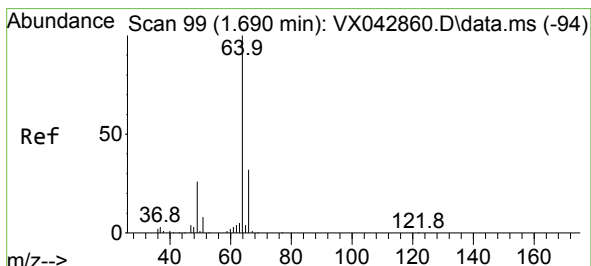
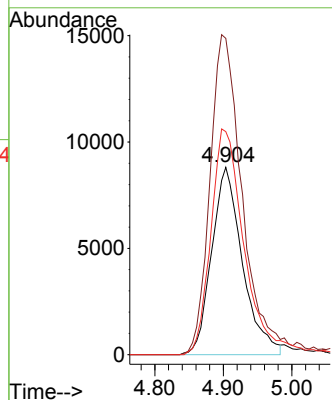
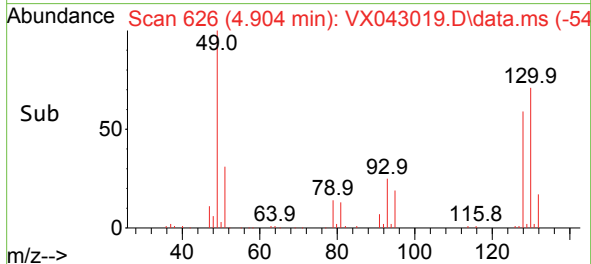


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Instrument :
MSVOA_X
ClientSampleId :

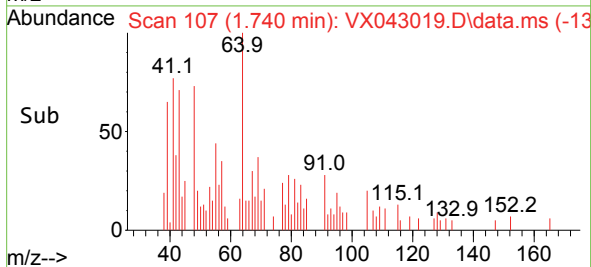
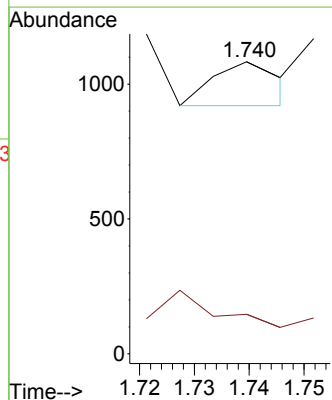
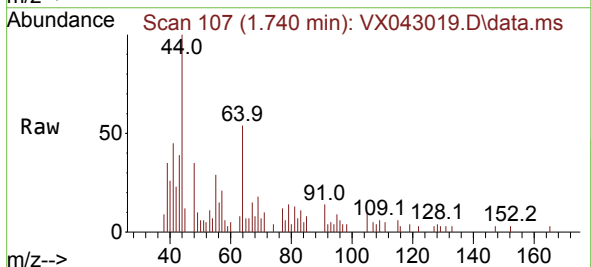


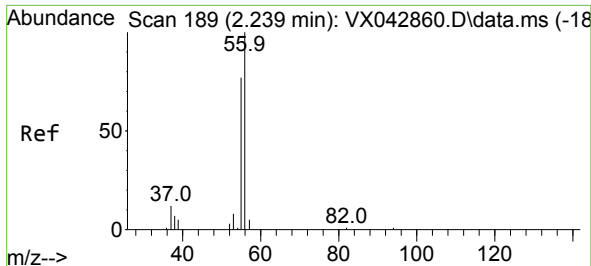
Tgt Ion:128 Resp: 27483
Ion Ratio Lower Upper
128 100
49 178.9 0.0 400.5
130 130.3 0.0 333.0



#6
Chloroethane
Concen: 0.235 ug/l
RT: 1.740 min Scan# 107
Delta R.T. 0.073 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

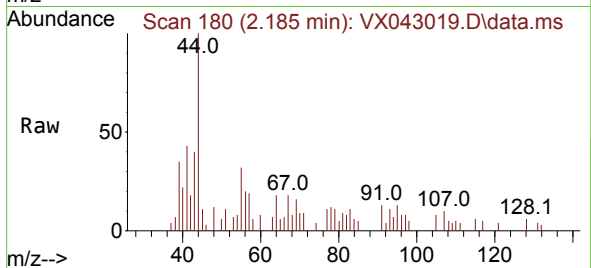
Tgt Ion: 64 Resp: 137
Ion Ratio Lower Upper
64 100
66 30.1 25.9 38.9



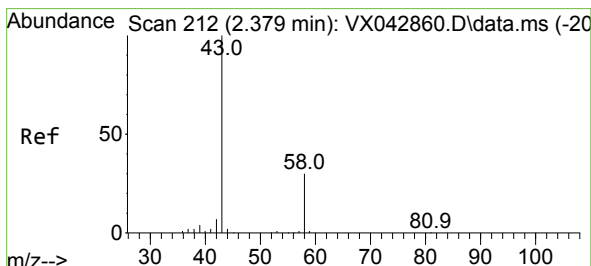
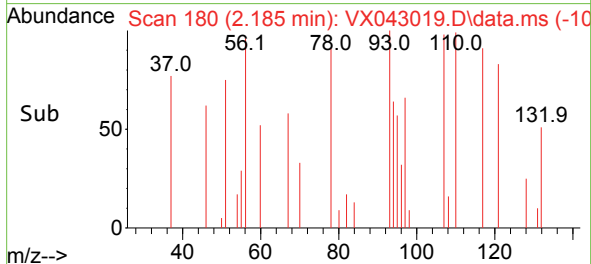
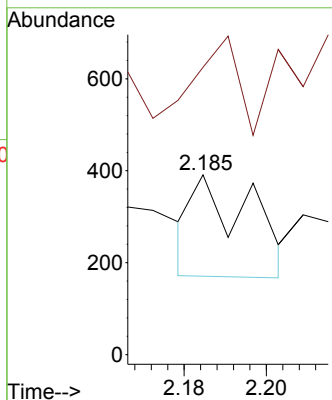


#13
Acrolein
Concen: 0.377 ug/l
RT: 2.185 min Scan# 11
Delta R.T. -0.055 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Instrument :
MSVOA_X
ClientSampleId :

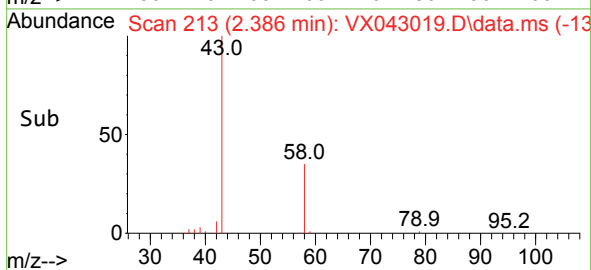
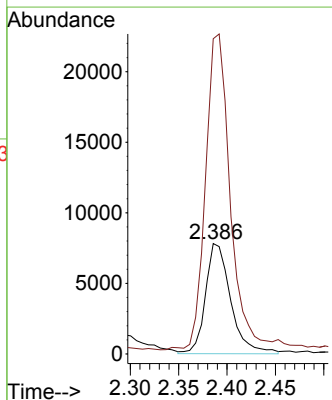
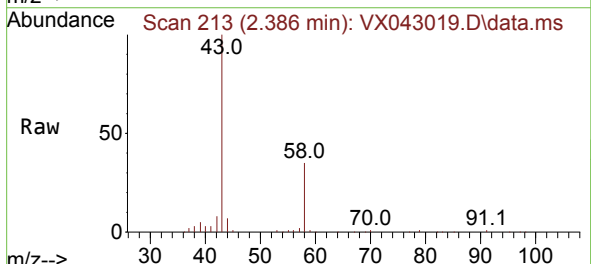


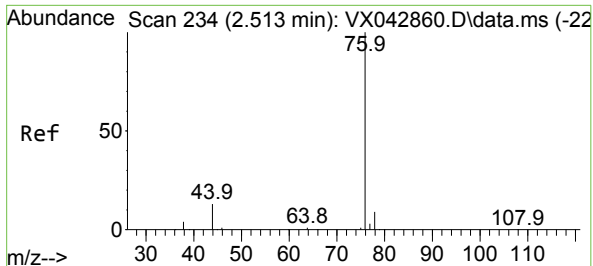
Tgt Ion: 56 Resp: 212
Ion Ratio Lower Upper
56 100
55 75.9 60.6 90.8



#15
Acetone
Concen: 38.940 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

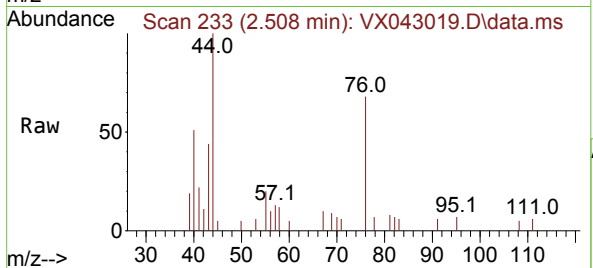
Tgt Ion: 58 Resp: 14113
Ion Ratio Lower Upper
58 100
43 285.5 269.9 404.9



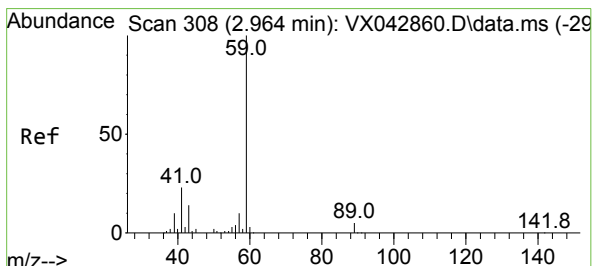
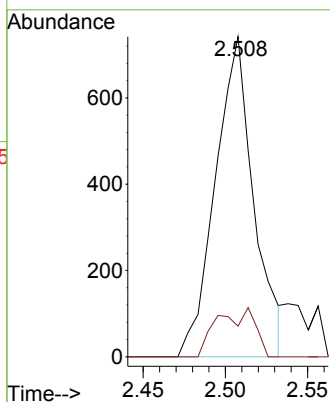
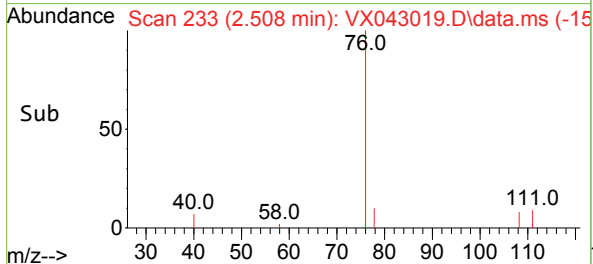


#16
Carbon Disulfide
Concen: 0.215 ug/l
RT: 2.508 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Instrument :
MSVOA_X
ClientSampleId :

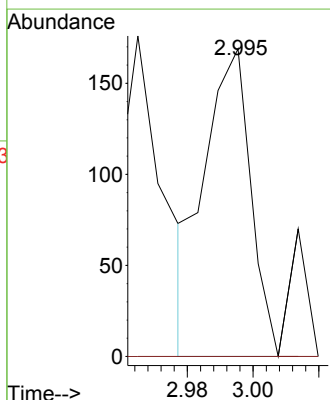
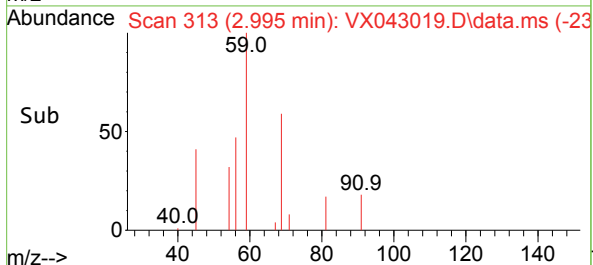
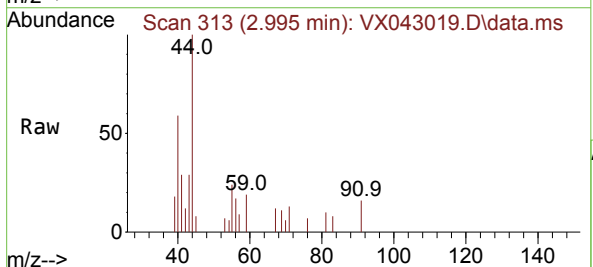


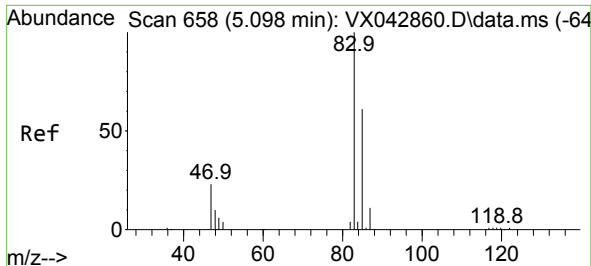
Tgt Ion: 76 Resp: 1205
Ion Ratio Lower Upper
76 100
78 9.6 7.1 10.7



#23
tert-Butyl Alcohol
Concen: 0.288 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 59 Resp: 163
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

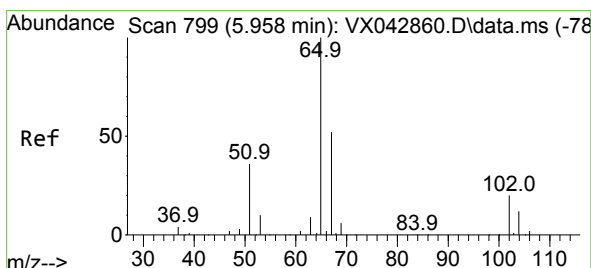
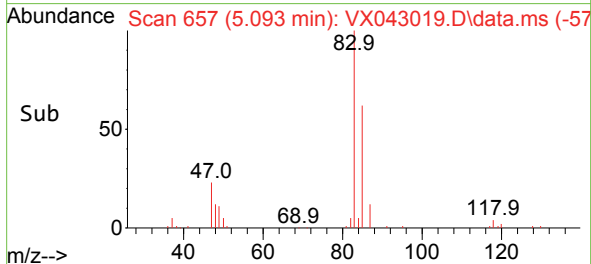
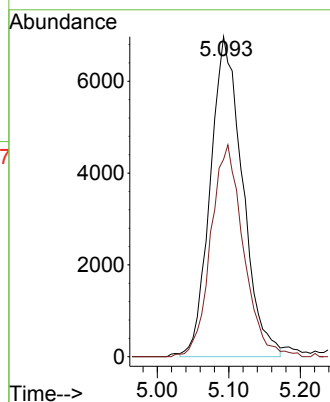
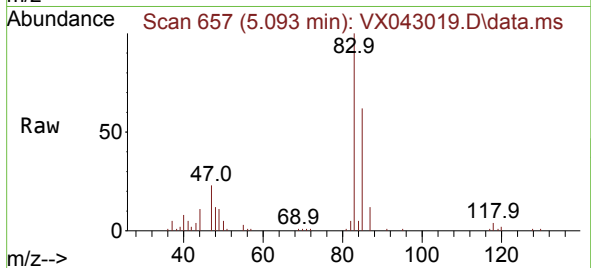




#25
Chloroform
Concen: 6.033 ug/l
RT: 5.093 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

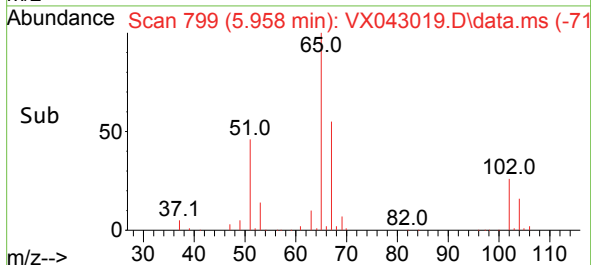
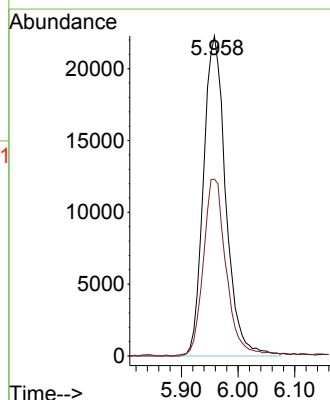
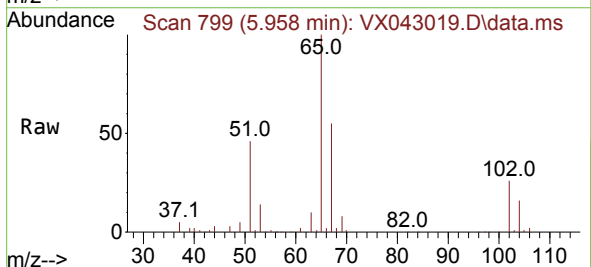
Instrument :
MSVOA_X
ClientSampleId :

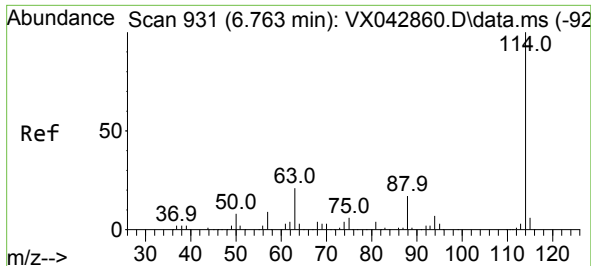
Tgt Ion: 83 Resp: 21829
Ion Ratio Lower Upper
83 100
85 61.4 49.2 73.8



#27
1,2-Dichloroethane-d4
Concen: 27.324 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 65 Resp: 60788
Ion Ratio Lower Upper
65 100
67 56.2 40.6 60.8

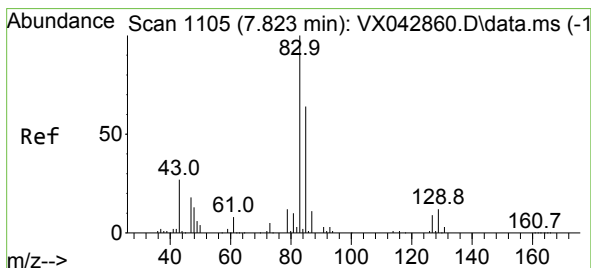
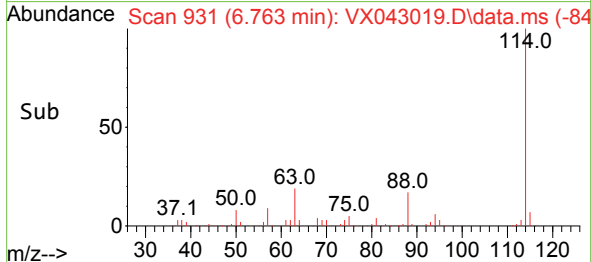
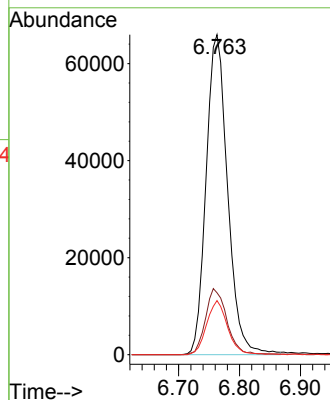
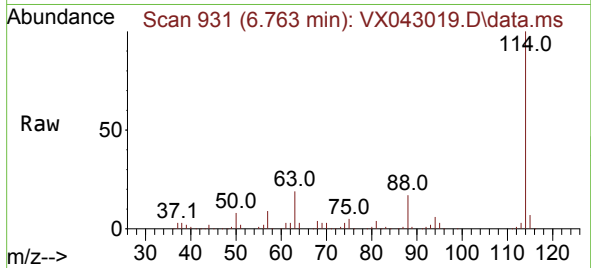




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.006 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

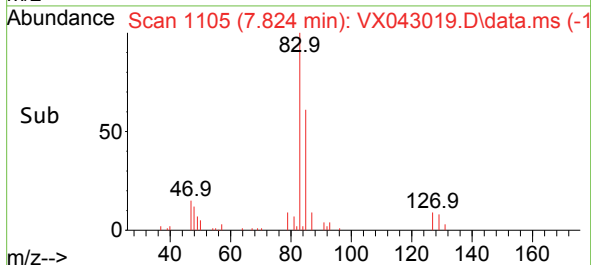
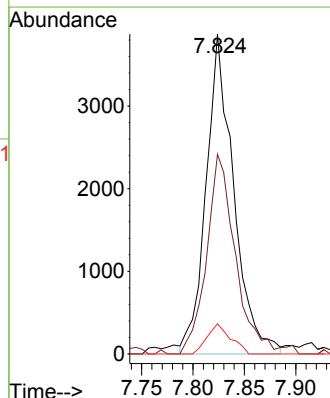
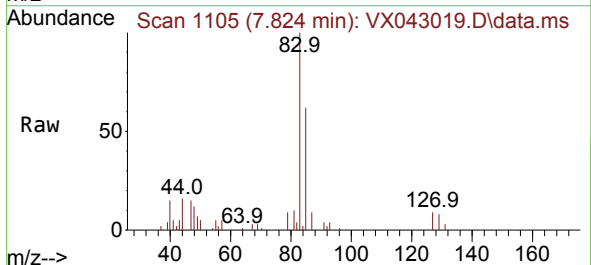
Instrument :
MSVOA_X
ClientSampleId :

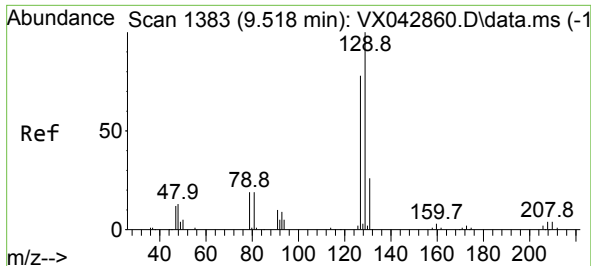
Tgt Ion:114 Resp: 161919
Ion Ratio Lower Upper
114 100
63 20.4 16.0 24.0
88 16.4 12.5 18.7



#41
Bromodichloromethane
Concen: 2.636 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 83 Resp: 7232
Ion Ratio Lower Upper
83 100
85 63.8 50.8 76.2
127 9.6 6.9 10.3

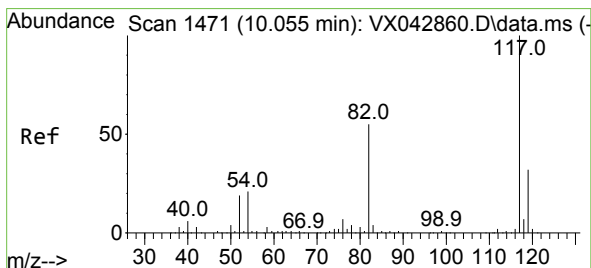
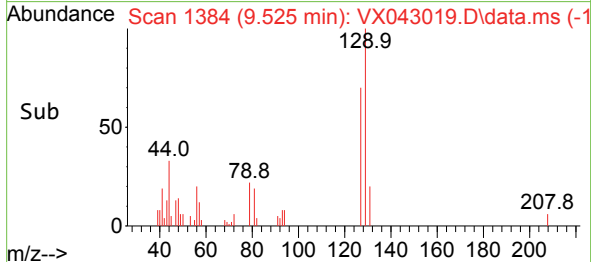
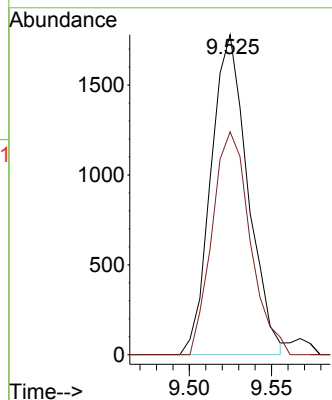
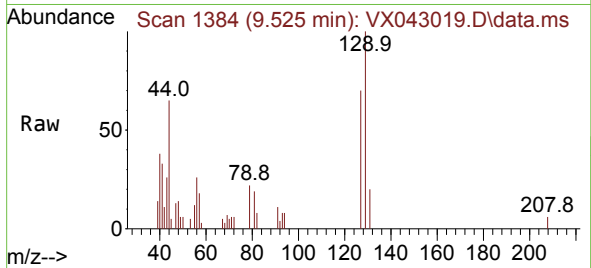




#53
Dibromochloromethane
Concen: 1.351 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

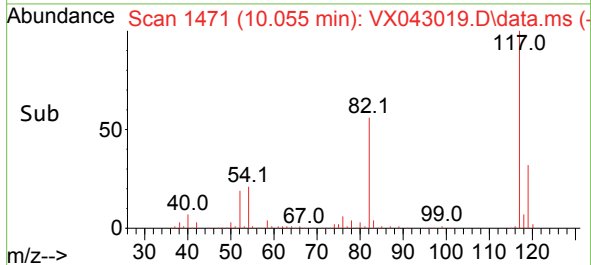
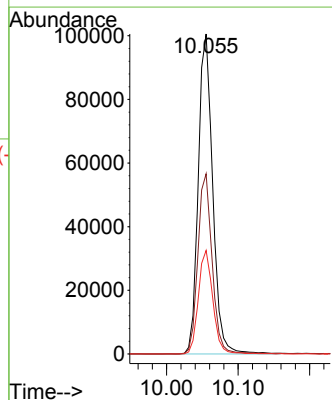
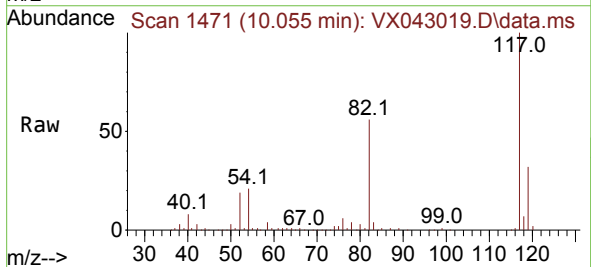
Instrument :
MSVOA_X
ClientSampleId :

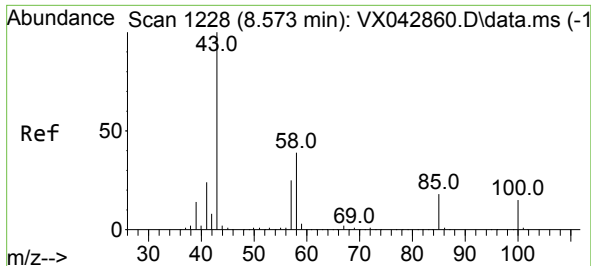
Tgt Ion:129 Resp: 2778
Ion Ratio Lower Upper
129 100
127 71.8 38.5 115.3



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Tgt Ion:117 Resp: 141159
Ion Ratio Lower Upper
117 100
82 55.7 44.9 67.3
119 32.2 25.4 38.2

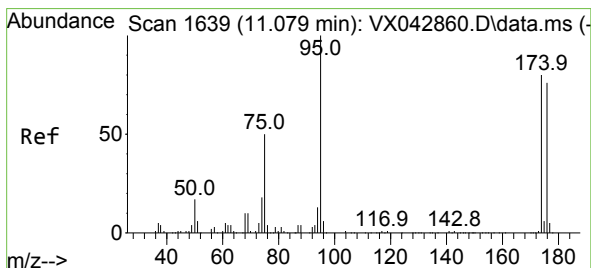
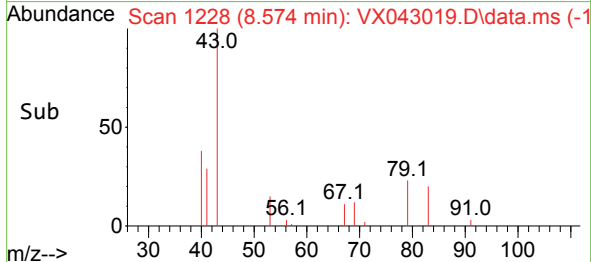
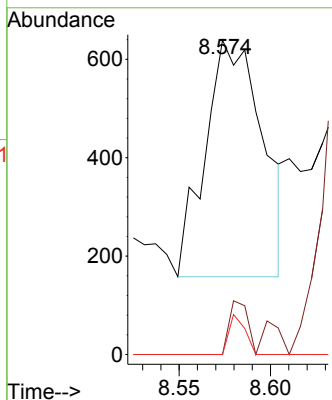
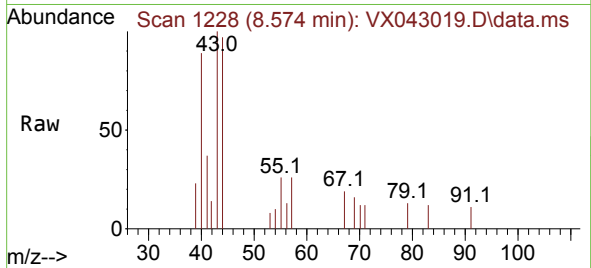




#58
4-Methyl-2-Pentanone
Concen: 0.321 ug/l
RT: 8.574 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

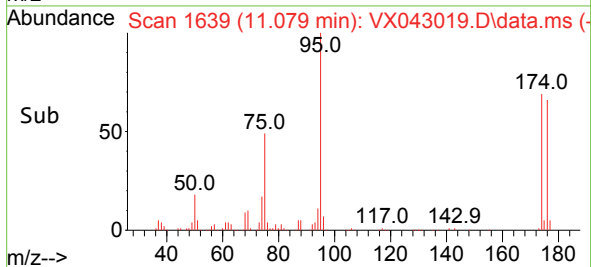
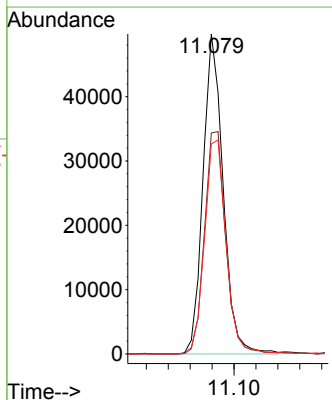
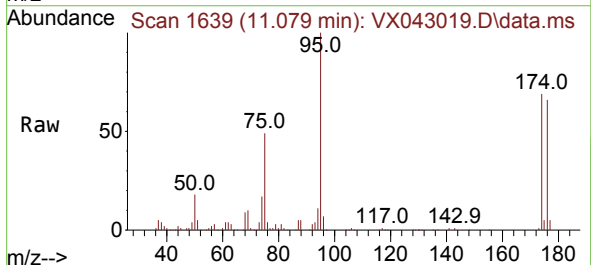
Instrument :
MSVOA_X
ClientSampleId :

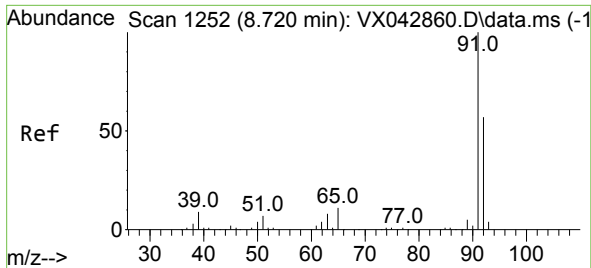
Tgt Ion: 43 Resp: 1047
Ion Ratio Lower Upper
43 100
58 7.3 31.4 47.0#
85 4.7 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 26.435 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

Tgt Ion: 95 Resp: 63347
Ion Ratio Lower Upper
95 100
174 73.7 65.0 97.6
176 71.7 63.4 95.0

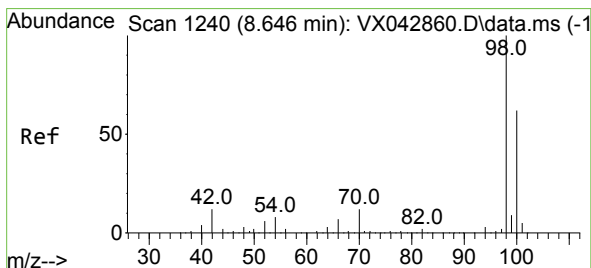
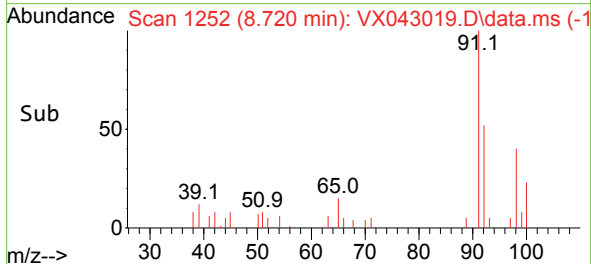
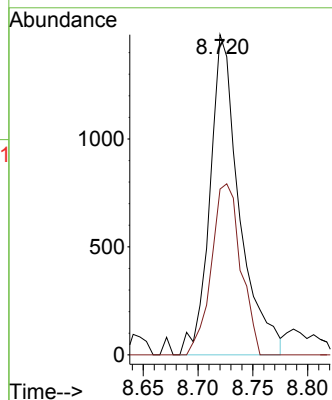
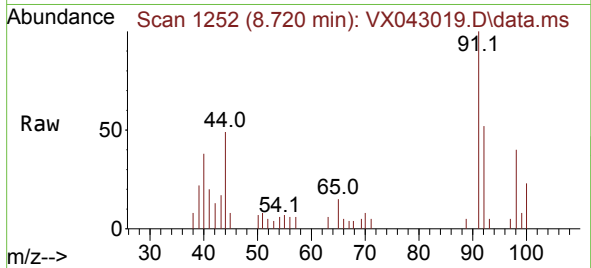




#62
Toluene
Concen: 0.344 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

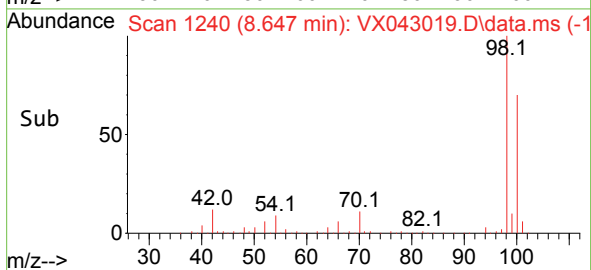
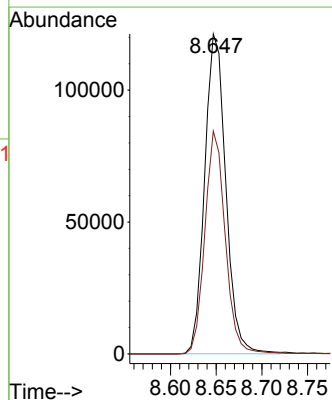
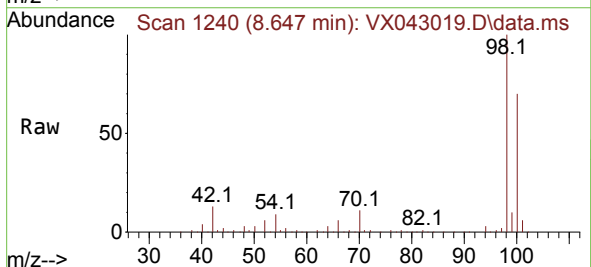
Instrument :
MSVOA_X
ClientSampleId :

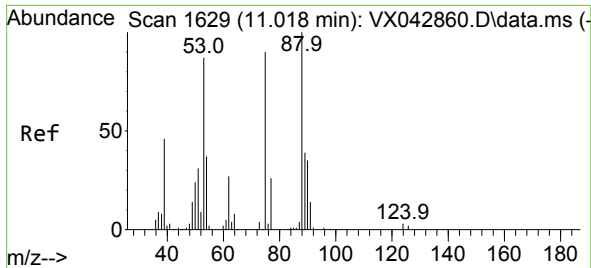
Tgt Ion: 91 Resp: 2772
Ion Ratio Lower Upper
91 100
92 53.3 45.7 68.5



#63
Toluene-d8
Concen: 30.061 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043019.D
Acq: 13 Aug 2024 16:53

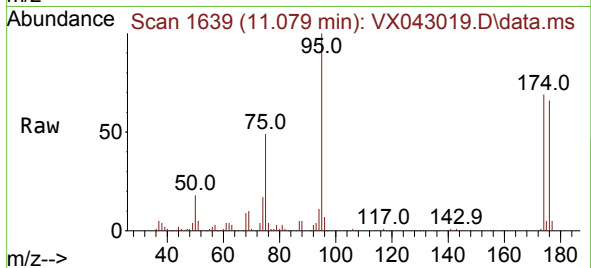
Tgt Ion: 98 Resp: 194927
Ion Ratio Lower Upper
98 100
100 67.4 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 25.435 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043019.D
 Acq: 13 Aug 2024 16:53

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 30960
 Ion Ratio Lower Upper
 75 100
 53 0.0 48.5 145.5#
 89 0.0 21.9 65.5#

