

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039039.D
 Acq On : 27 Nov 2023 14:37
 Operator : JC/MD
 Sample : 05525-03RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:12:54 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Mon Nov 27 03:22:25 2023
 Response via : Initial Calibration

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

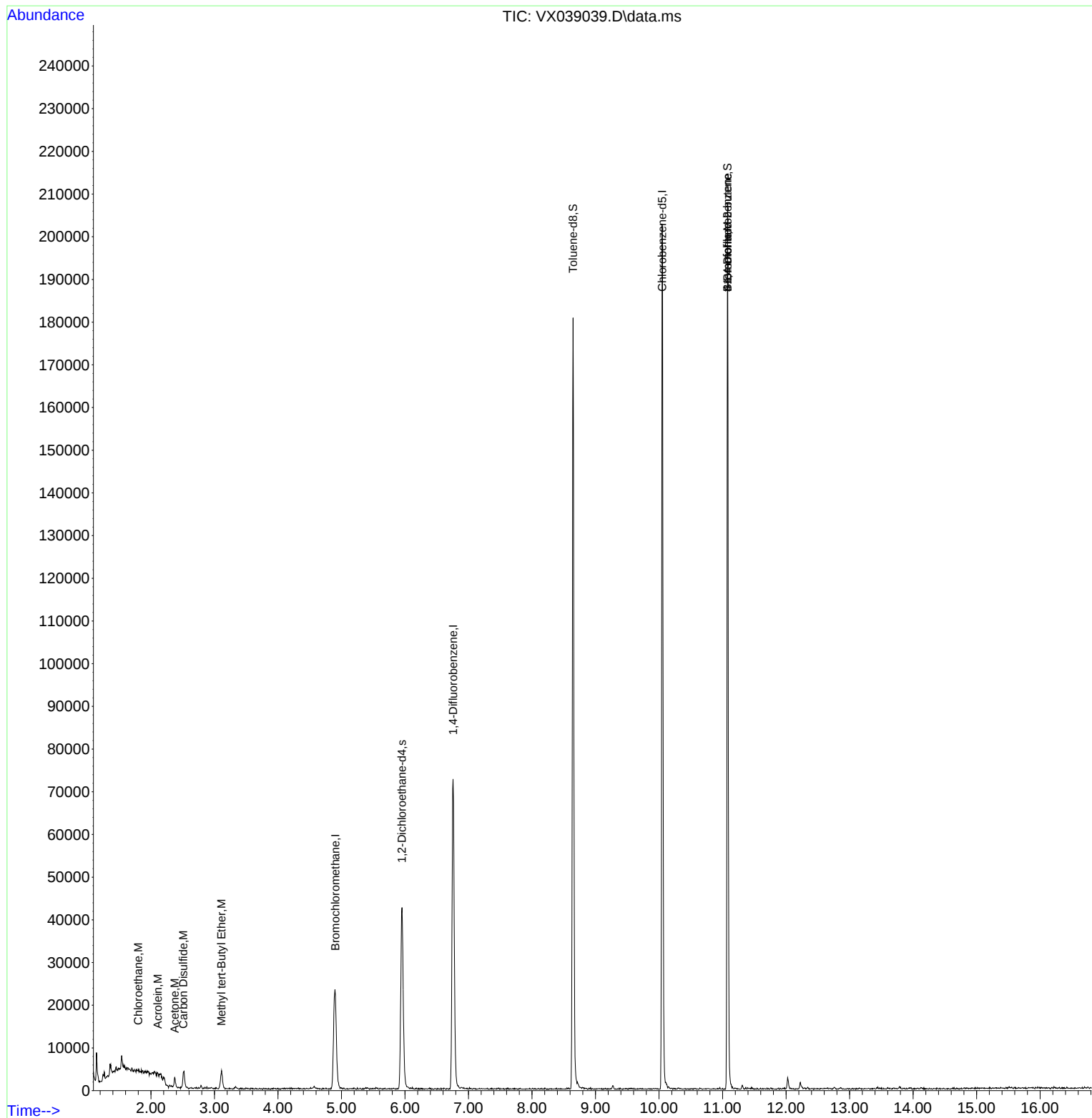
Internal Standards						
1) Bromochloromethane	4.904	128	9357	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	72128	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	89504	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	41017	32.042	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	106.800%
60) 4-Bromofluorobenzene	11.079	95	56423	28.862	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	96.200%
63) Toluene-d8	8.647	98	107857	30.479	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	101.600%
Target Compounds						
					Qvalue	
6) Chloroethane	1.801	64	229	0.243	ug/l	93
13) Acrolein	2.105	56	94	0.270	ug/l	98
15) Acetone	2.374	58	549	1.556	ug/l	94
16) Carbon Disulfide	2.508	76	3402	0.883	ug/l	97
24) Methyl tert-Butyl Ether	3.111	73	4149	0.885	ug/l #	83
56) Bromoform	11.079	173	273	0.236	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	31470	36.281	ug/l #	12

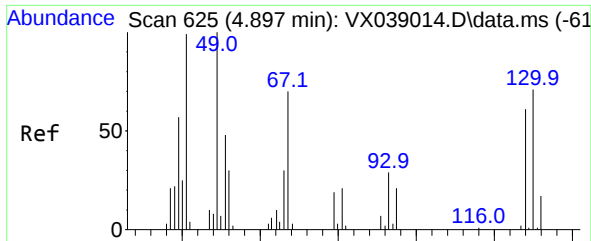
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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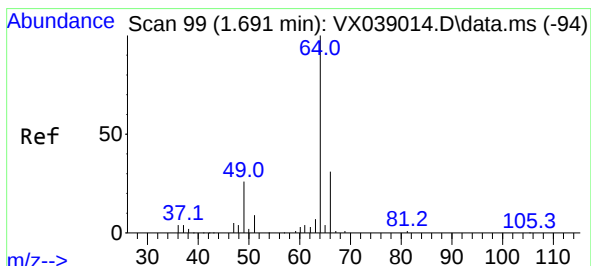
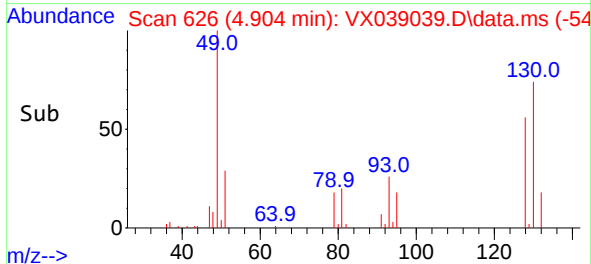
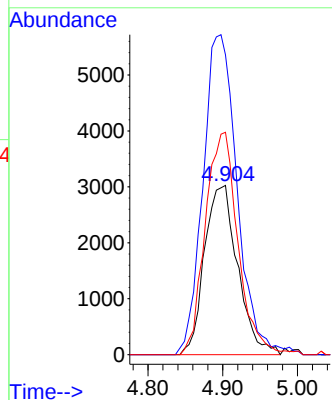
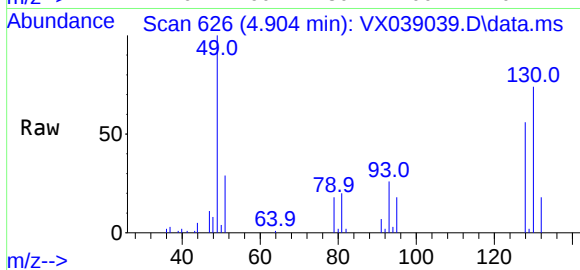




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

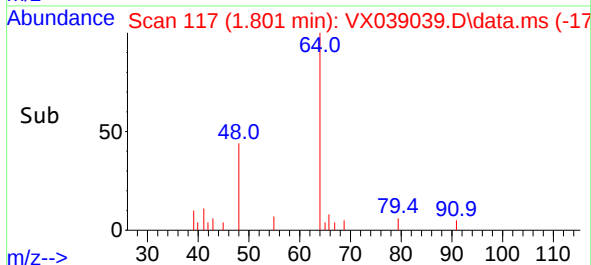
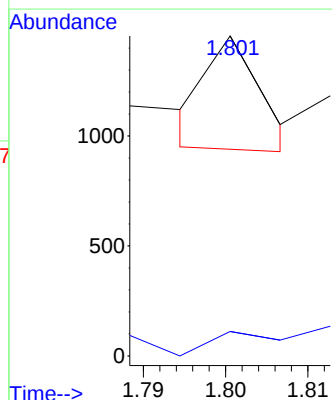
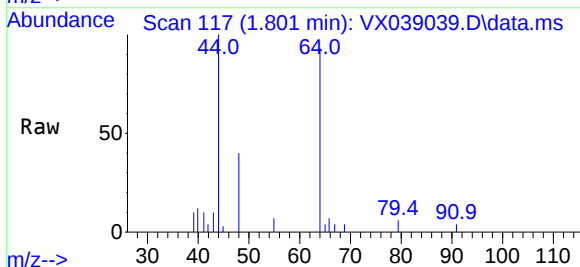
Instrument :
MSVOA_X
ClientSampleId :

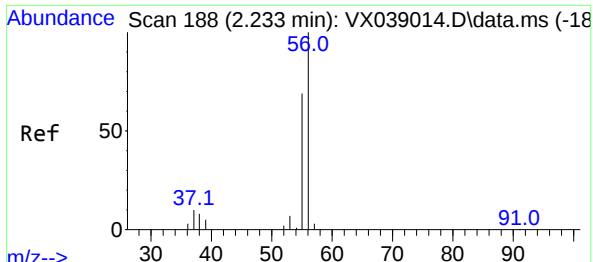
Tgt Ion:128 Resp: 9357
Ion Ratio Lower Upper
128 100
49 192.3 0.0 444.0
130 129.4 0.0 297.8



#6
Chloroethane
Concen: 0.243 ug/l
RT: 1.801 min Scan# 117
Delta R.T. 0.110 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 27.5 25.0 37.6

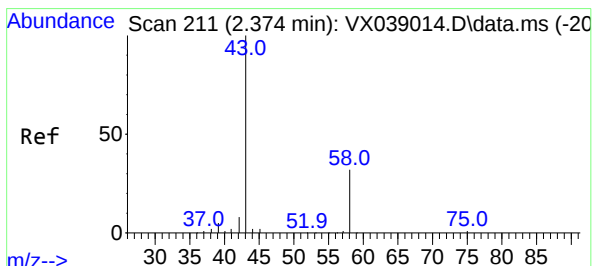
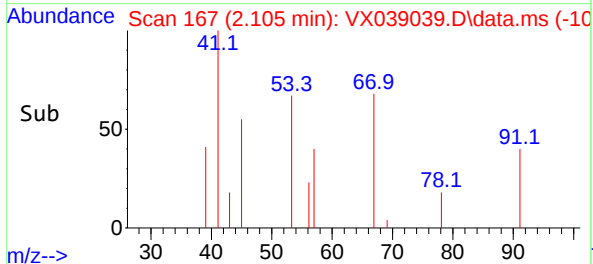
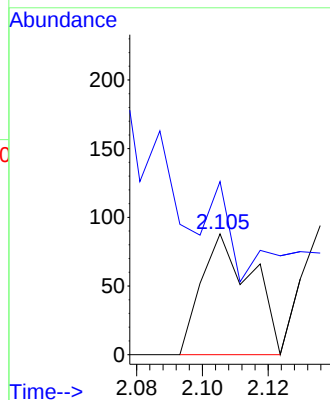
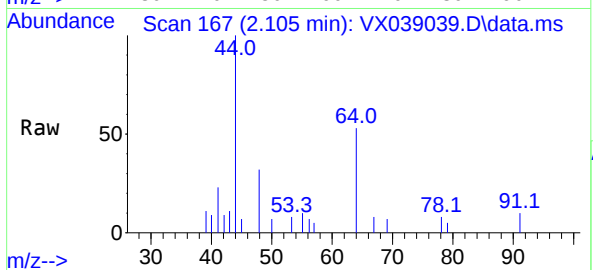




#13
Acrolein
Concen: 0.270 ug/l
RT: 2.105 min Scan# 11
Delta R.T. -0.128 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

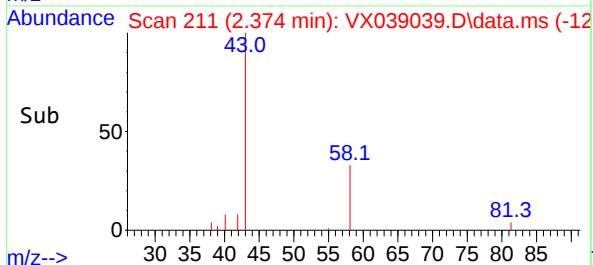
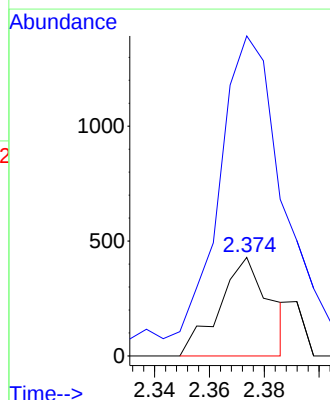
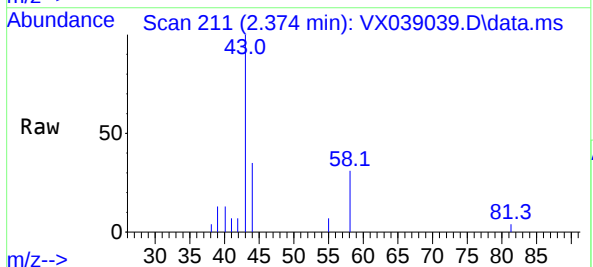
Instrument :
MSVOA_X
ClientSampleId :

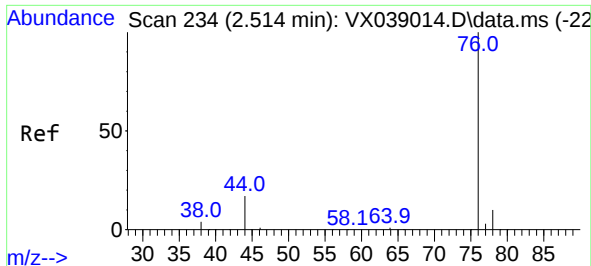
Tgt Ion: 56 Resp: 94
Ion Ratio Lower Upper
56 100
55 70.2 57.2 85.8



#15
Acetone
Concen: 1.556 ug/l
RT: 2.374 min Scan# 211
Delta R.T. 0.000 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

Tgt Ion: 58 Resp: 549
Ion Ratio Lower Upper
58 100
43 300.0 249.9 374.9

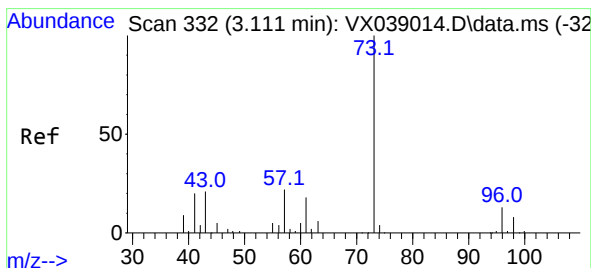
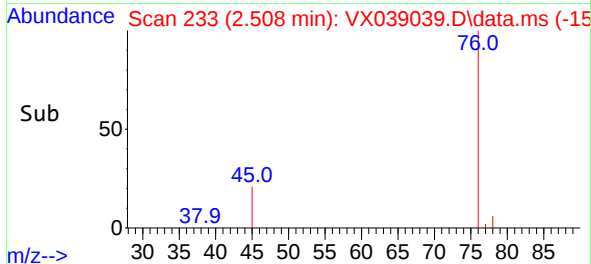
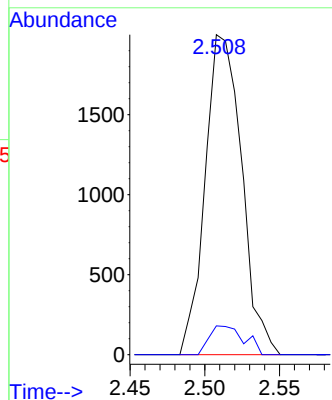
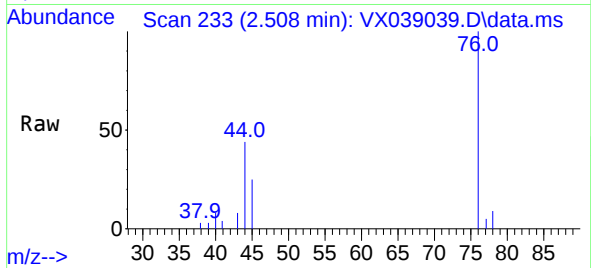




#16
Carbon Disulfide
Concen: 0.883 ug/l
RT: 2.508 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

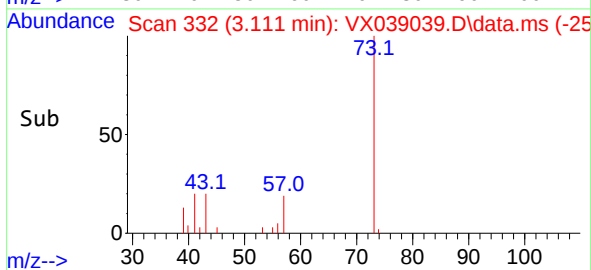
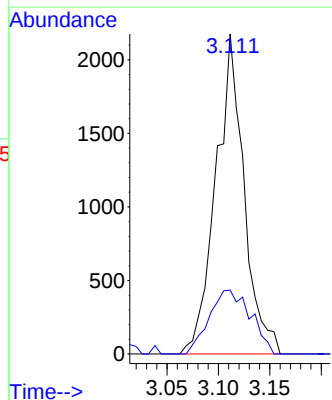
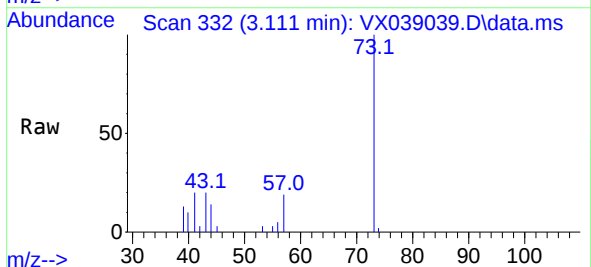
Instrument :
MSVOA_X
ClientSampleId :

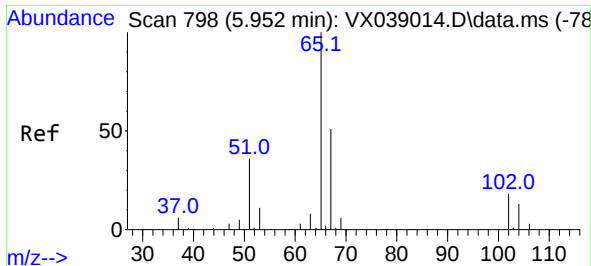
Tgt Ion: 76 Resp: 3402
Ion Ratio Lower Upper
76 100
78 9.0 8.0 12.0



#24
Methyl tert-Butyl Ether
Concen: 0.885 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.000 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

Tgt Ion: 73 Resp: 4149
Ion Ratio Lower Upper
73 100
43 29.3 17.0 25.6#

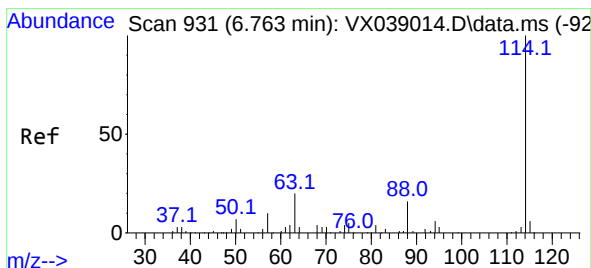
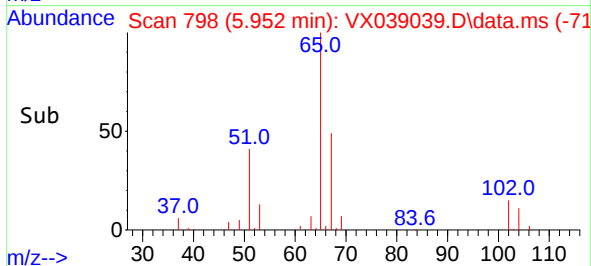
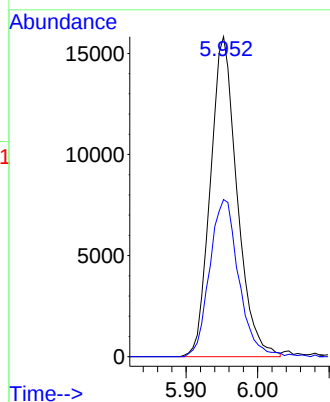
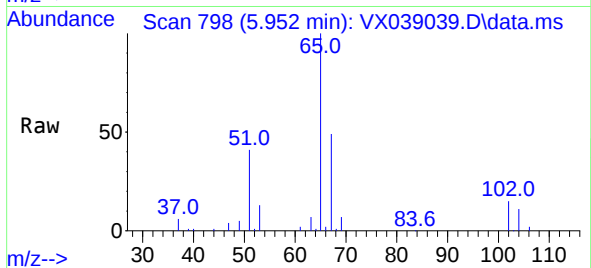




#27
1,2-Dichloroethane-d4
Concen: 32.042 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

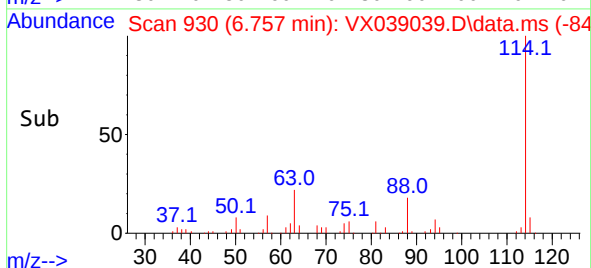
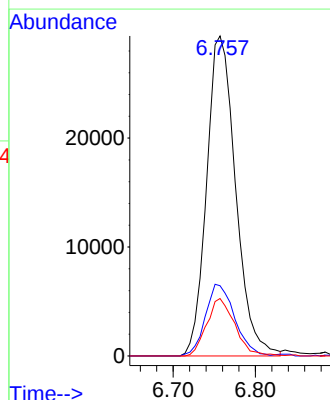
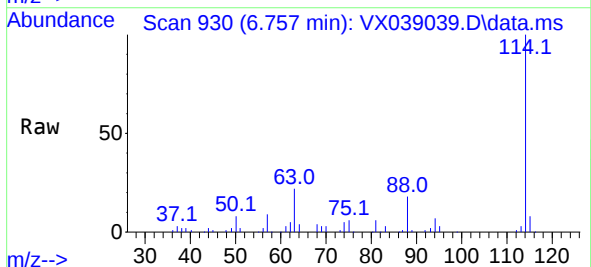
Instrument :
MSVOA_X
ClientSampleId :

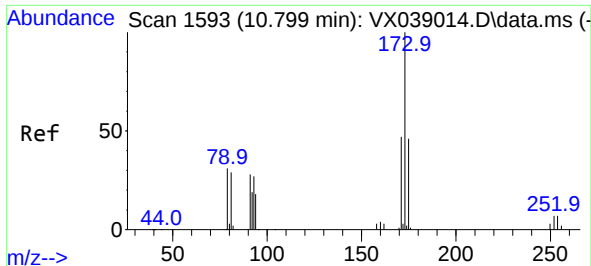
Tgt Ion: 65 Resp: 41017
Ion Ratio Lower Upper
65 100
67 53.4 42.5 63.7



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

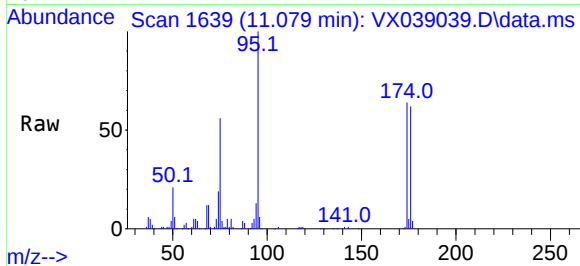
Tgt Ion: 114 Resp: 72128
Ion Ratio Lower Upper
114 100
63 22.6 17.0 25.4
88 17.5 12.7 19.1



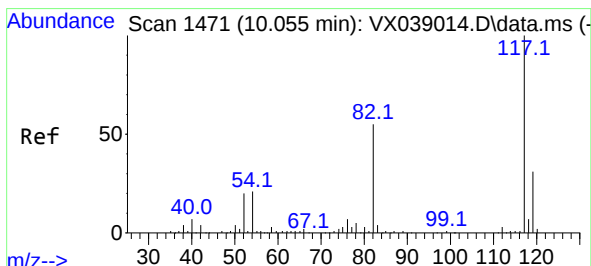
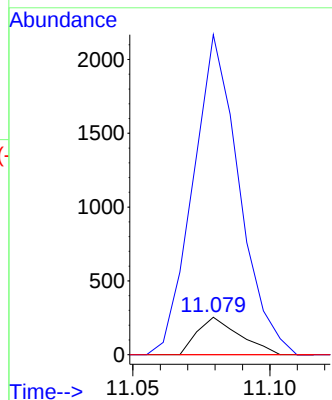
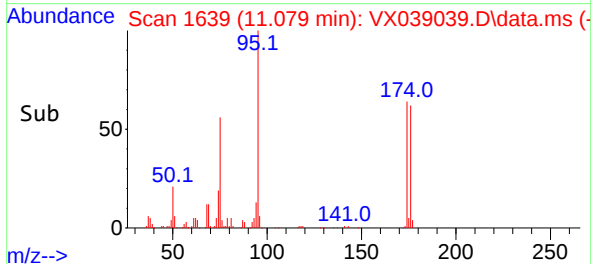


#56
Bromoform
Concen: 0.236 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.281 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

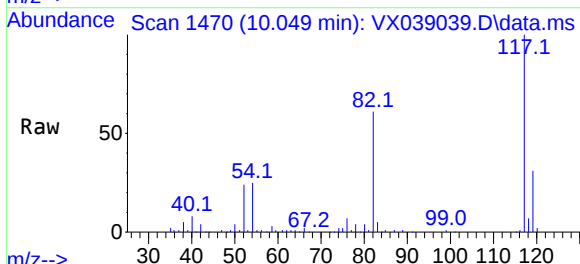
Instrument :
MSVOA_X
ClientSampleId :



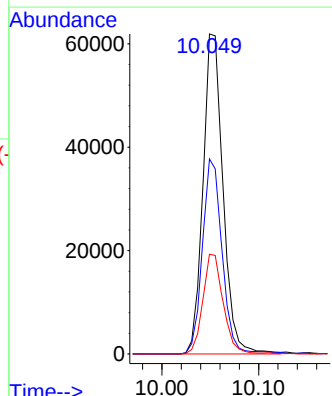
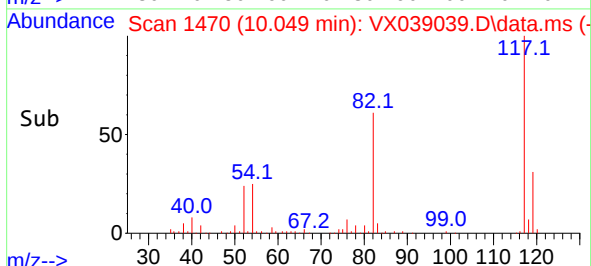
Tgt Ion:173 Resp: 273
Ion Ratio Lower Upper
173 100
175 932.6 37.6 56.4#
254 0.0 5.8 8.8#

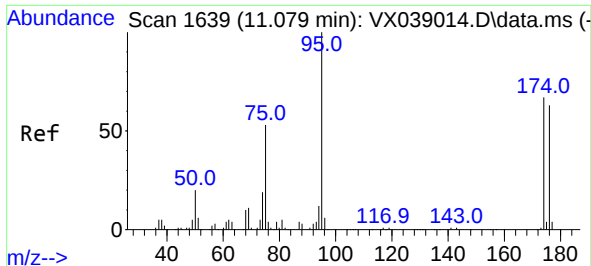


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.006 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37



Tgt Ion:117 Resp: 89504
Ion Ratio Lower Upper
117 100
82 59.5 47.0 70.6
119 31.5 25.2 37.8

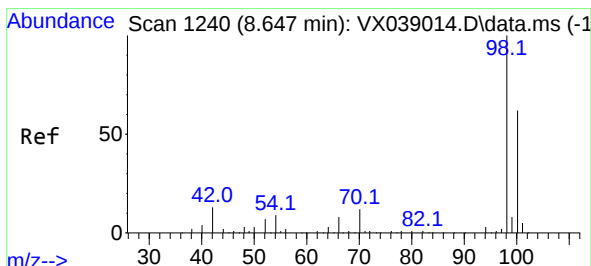
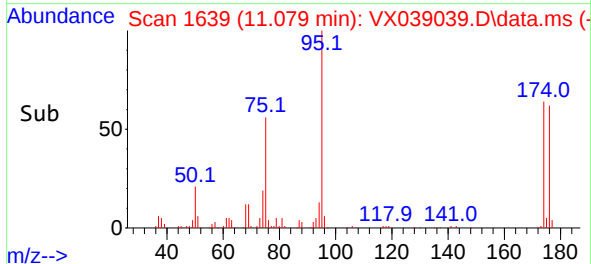
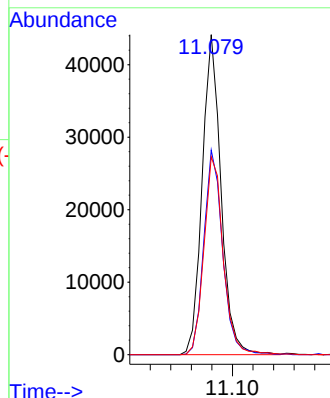
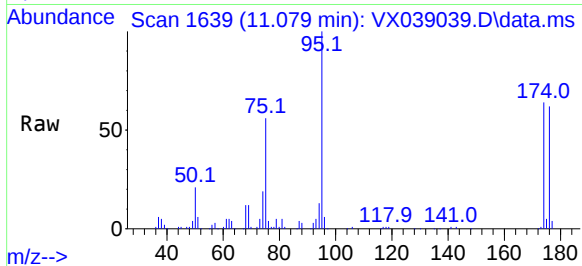




#60
4-Bromofluorobenzene
Concen: 28.862 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

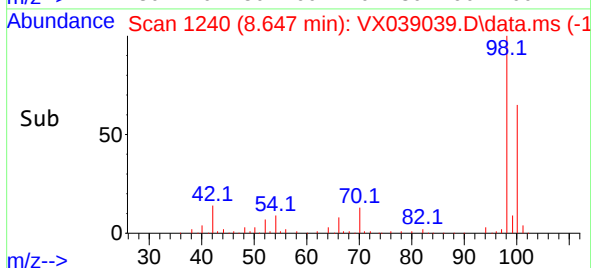
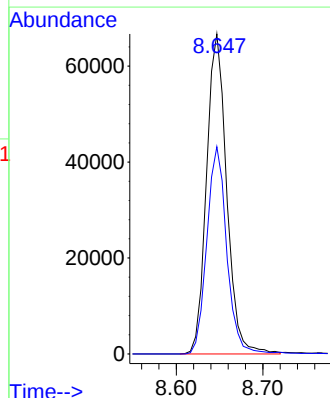
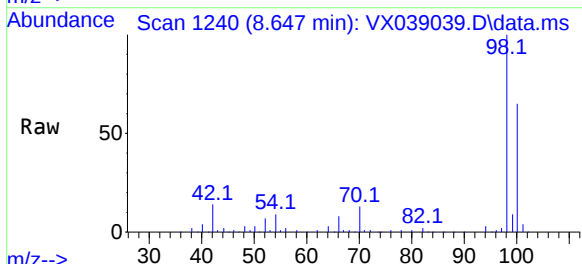
Instrument :
MSVOA_X
ClientSampleId :

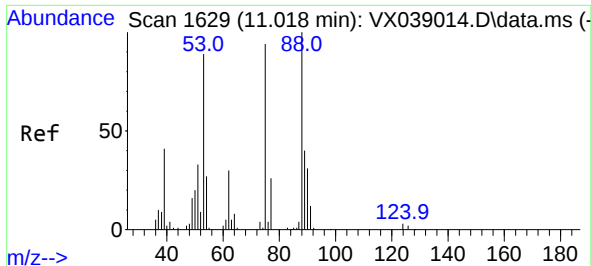
Tgt Ion: 95 Resp: 56423
Ion Ratio Lower Upper
95 100
174 63.6 55.4 83.2
176 63.3 52.6 78.8



#63
Toluene-d8
Concen: 30.479 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

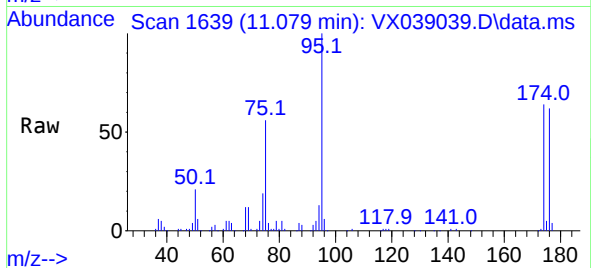
Tgt Ion: 98 Resp: 107857
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.4





#77
t-1,4-Dichloro-2-butene
Concen: 36.281 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX039039.D
Acq: 27 Nov 2023 14:37

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 31470
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

