

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112723\
 Data File : VX039036.D
 Acq On : 27 Nov 2023 13:07
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Nov 28 01:12:26 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)

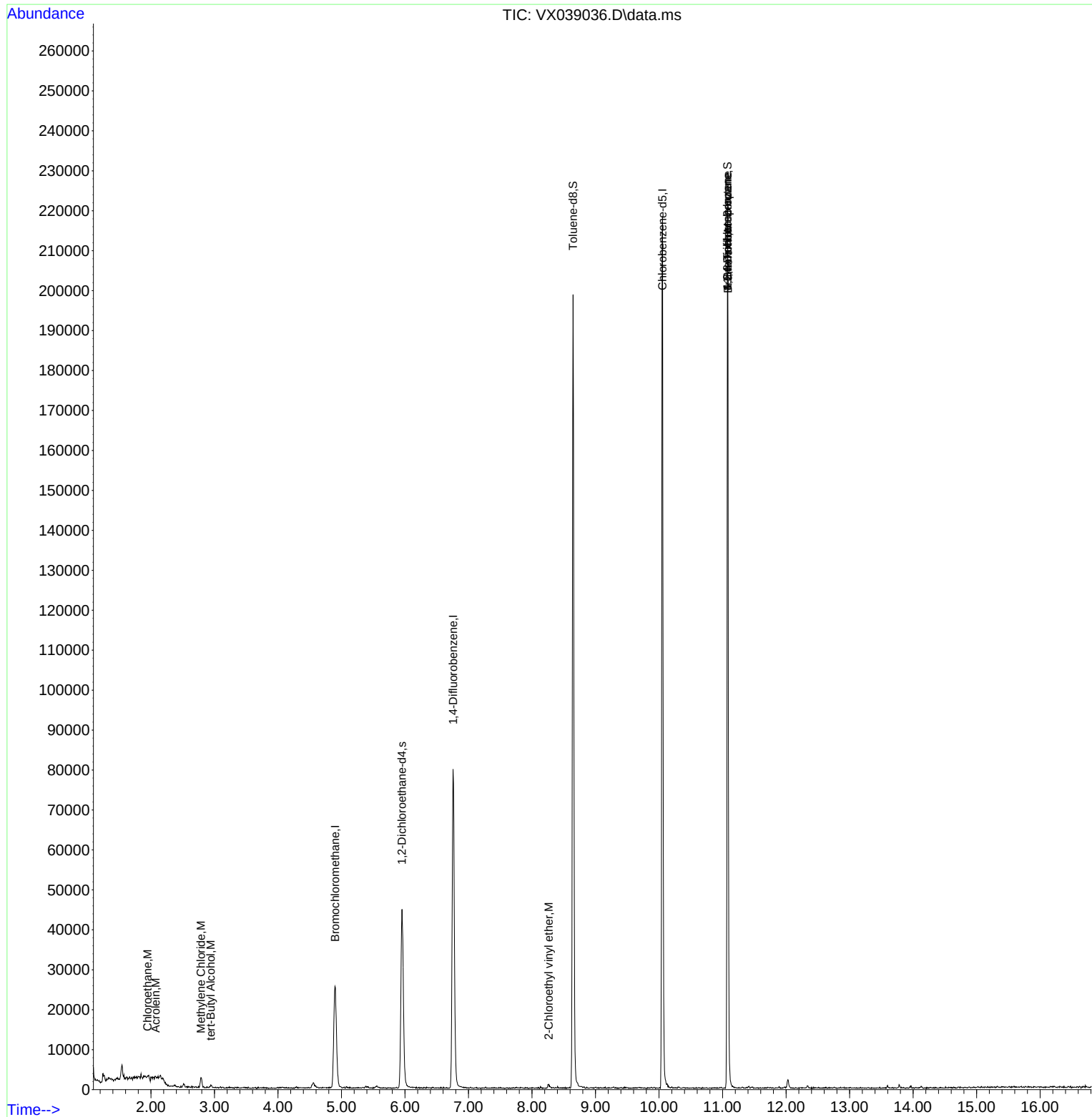
Internal Standards						
1) Bromochloromethane	4.897	128	9637	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	78944	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	95717	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	43572	33.049	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	= 110.167%#	
60) 4-Bromofluorobenzene	11.079	95	62111	29.709	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	= 99.033%	
63) Toluene-d8	8.647	98	116179	30.700	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	= 102.333%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.947	64	361	0.372	ug/l	99
13) Acrolein	2.075	56	93	0.260	ug/l	94
18) Methylene Chloride	2.788	84	1188	0.765	ug/l #	81
23) tert-Butyl Alcohol	2.941	59	455	0.822	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.263	63	556	0.429	ug/l #	86
56) Bromoform	11.085	173	292	0.231	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	33576	14.343	ug/l	39
77) t-1,4-Dichloro-2-butene	11.079	75	33576	36.197	ug/l #	12

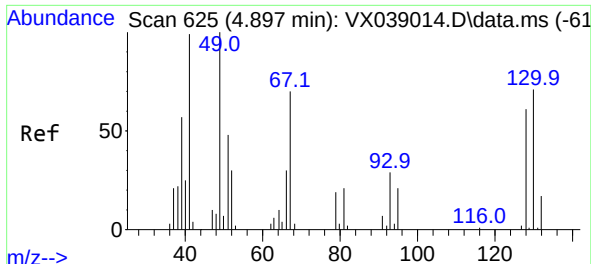
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_X
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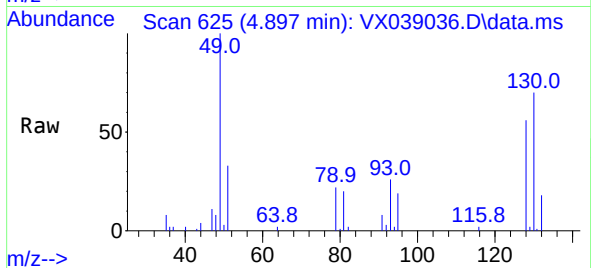
Quant Time: Nov 28 01:12:26 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X112423W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Mon Nov 27 03:22:25 2023
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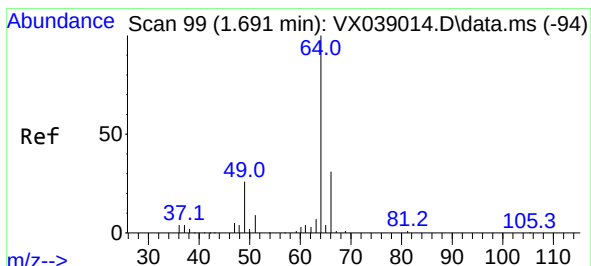
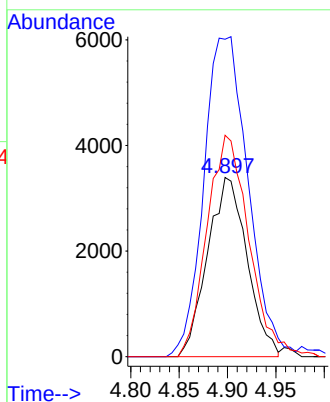
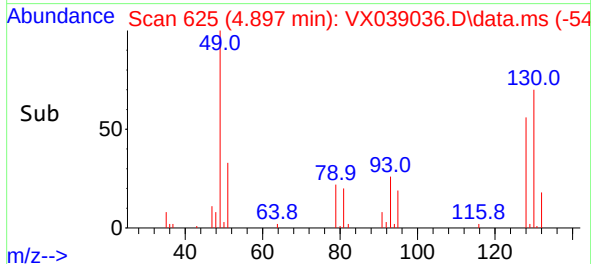


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Instrument :
MSVOA_X
ClientSampleId :

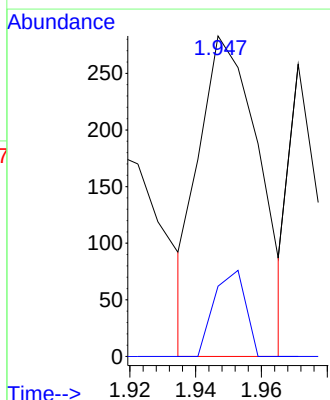
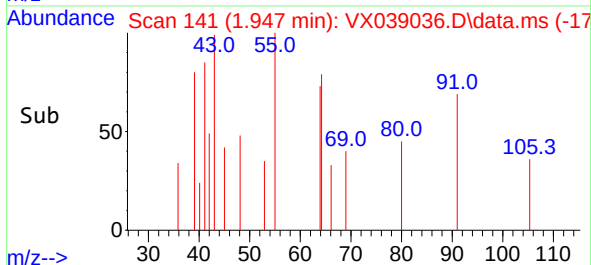
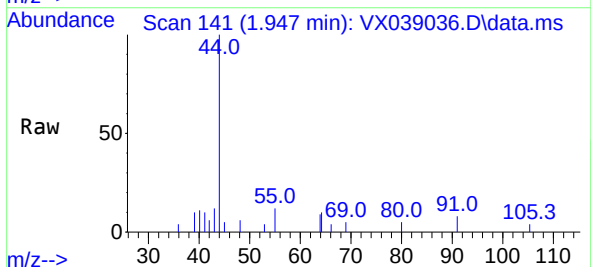


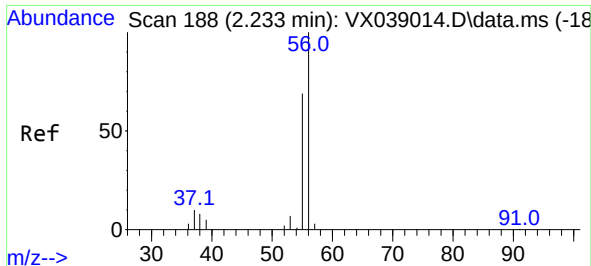
Tgt Ion:128 Resp: 9637
Ion Ratio Lower Upper
128 100
49 199.9 0.0 444.0
130 130.7 0.0 297.8



#6
Chloroethane
Concen: 0.372 ug/l
RT: 1.947 min Scan# 141
Delta R.T. 0.256 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion: 64 Resp: 361
Ion Ratio Lower Upper
64 100
66 31.6 25.0 37.6

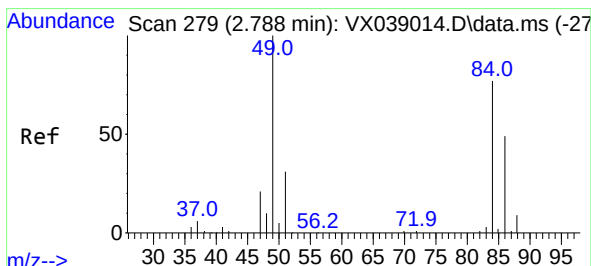
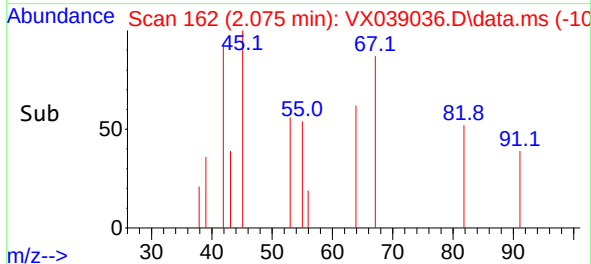
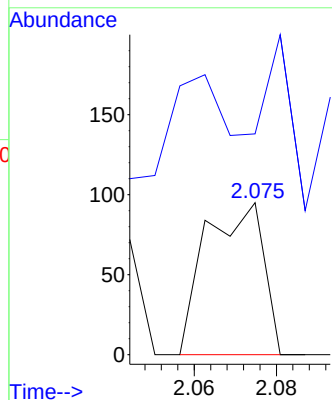
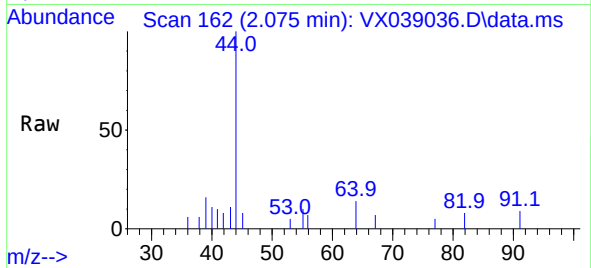




#13
Acrolein
Concen: 0.260 ug/l
RT: 2.075 min Scan# 1
Delta R.T. -0.158 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

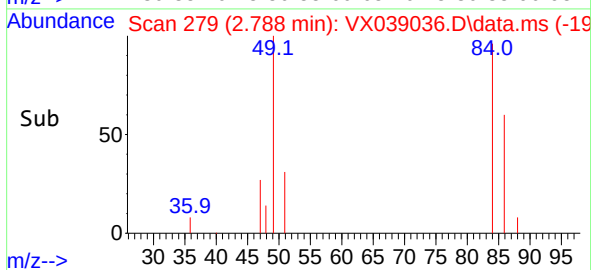
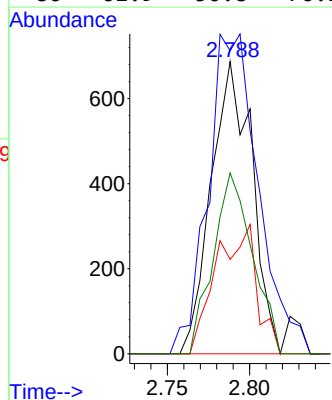
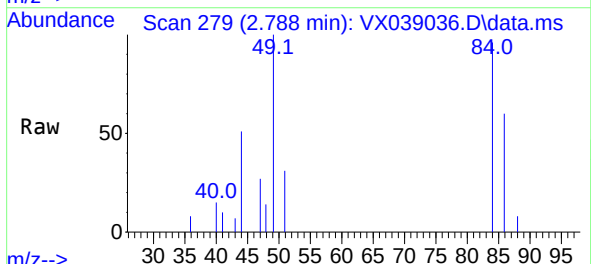
Instrument :
MSVOA_X
ClientSampleId :

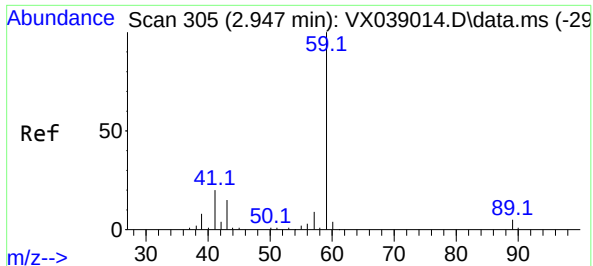
Tgt Ion: 56 Resp: 93
Ion Ratio Lower Upper
56 100
55 76.3 57.2 85.8



#18
Methylene Chloride
Concen: 0.765 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion: 84 Resp: 1188
Ion Ratio Lower Upper
84 100
49 94.8 103.8 155.8#
51 32.3 31.8 47.6
86 61.9 50.8 76.2

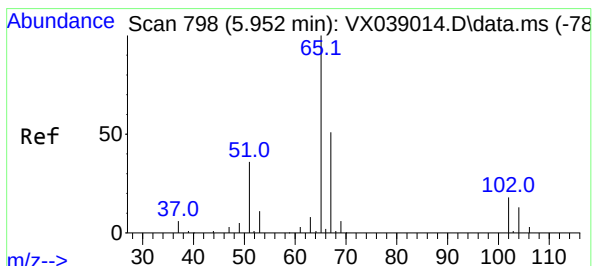
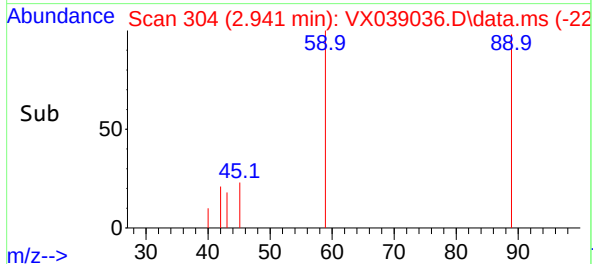
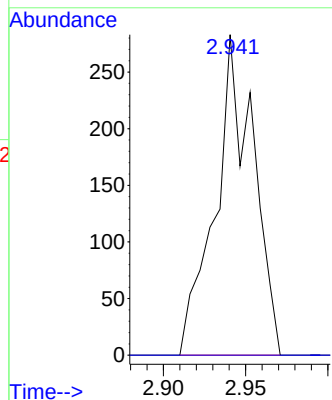
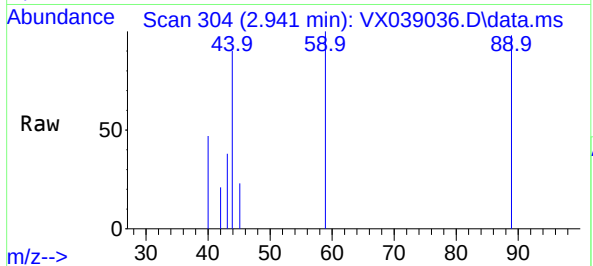




#23
tert-Butyl Alcohol
Concen: 0.822 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.006 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

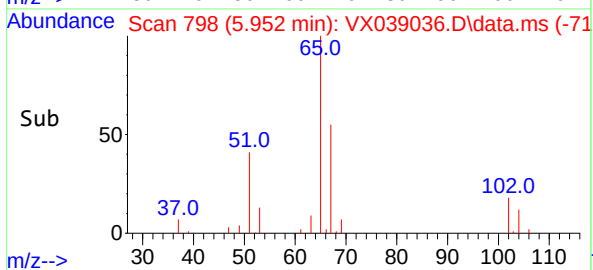
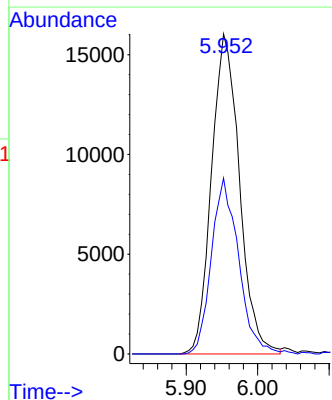
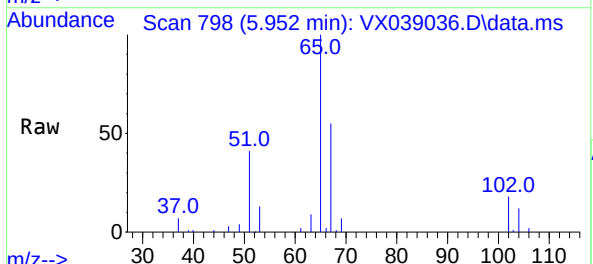
Instrument :
MSVOA_X
ClientSampleId :

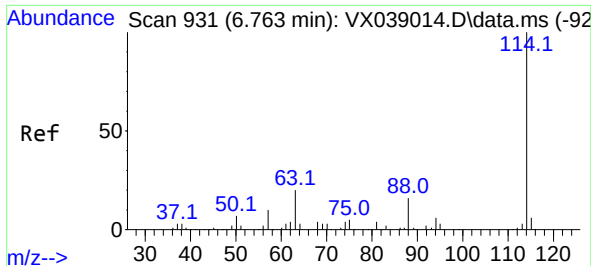
Tgt Ion: 59 Resp: 455
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 33.049 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion: 65 Resp: 43572
Ion Ratio Lower Upper
65 100
67 53.2 42.5 63.7





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX039036.D

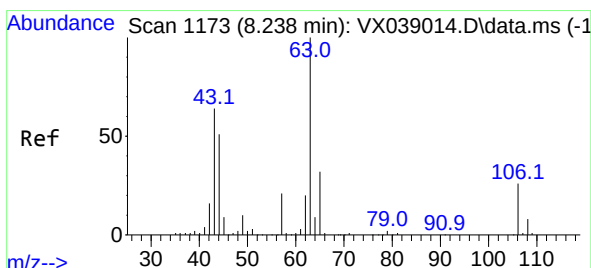
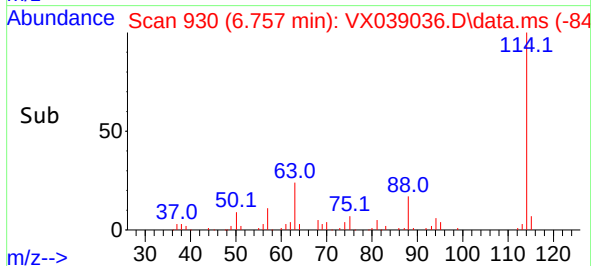
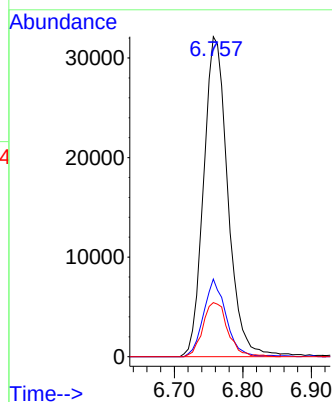
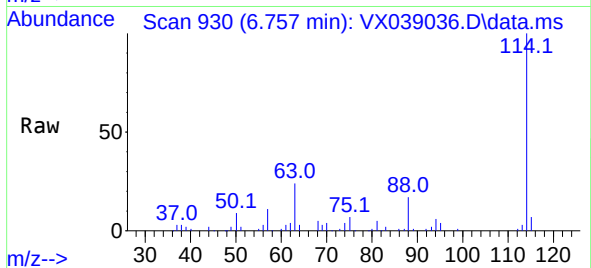
Acq: 27 Nov 2023 13:07

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion:114	Resp:	78944
Ion	Ratio	Lower Upper
114	100	
63	22.4	17.0 25.4
88	17.1	12.7 19.1



#55

2-Chloroethyl vinyl ether

Concen: 0.429 ug/l

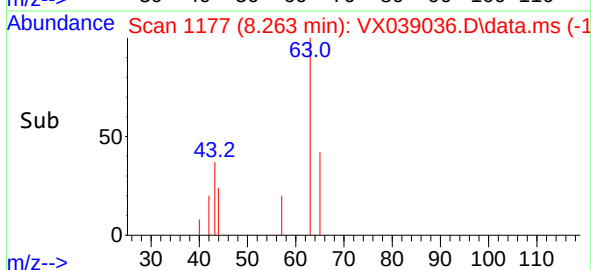
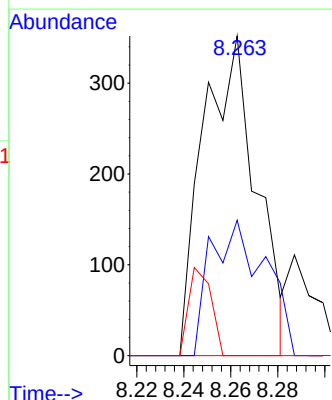
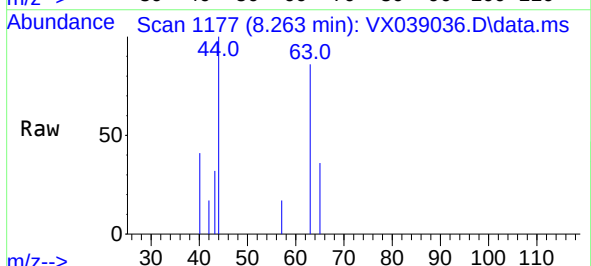
RT: 8.263 min Scan# 1177

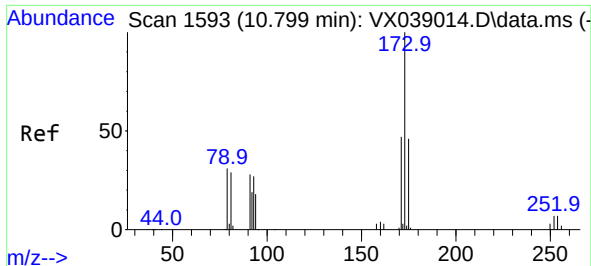
Delta R.T. 0.024 min

Lab File: VX039036.D

Acq: 27 Nov 2023 13:07

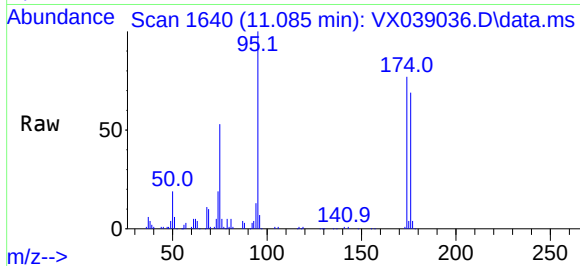
Tgt Ion: 63	Resp:	556
Ion	Ratio	Lower Upper
63	100	
65	30.9	25.8 38.6
106	11.5	20.6 31.0



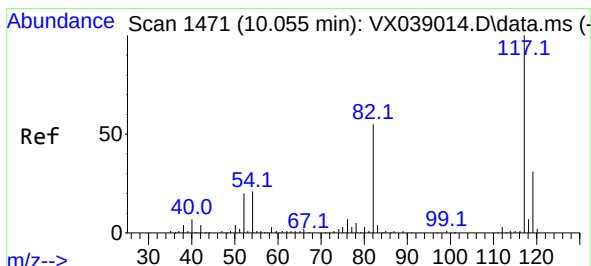
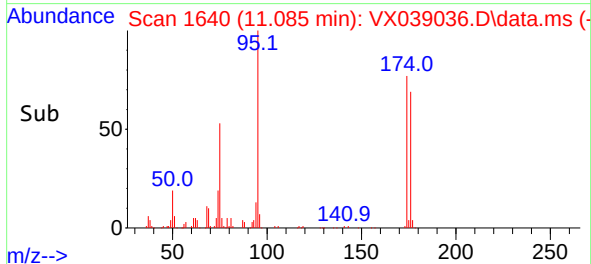
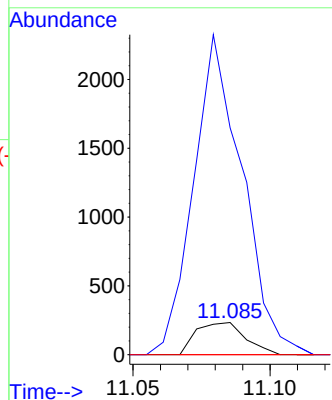


#56
Bromoform
Concen: 0.231 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.287 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Instrument :
MSVOA_X
ClientSampleId :

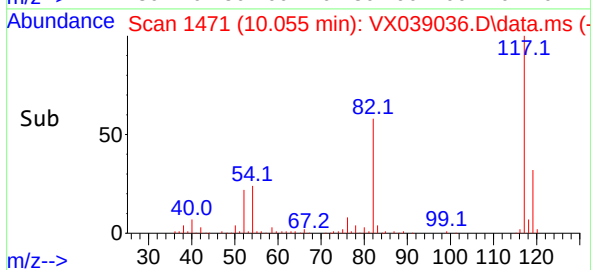
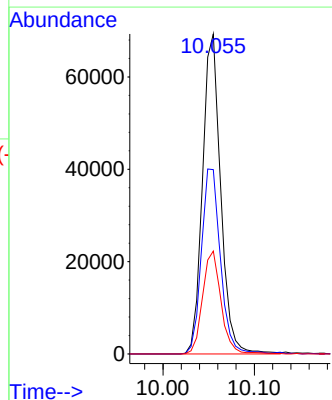
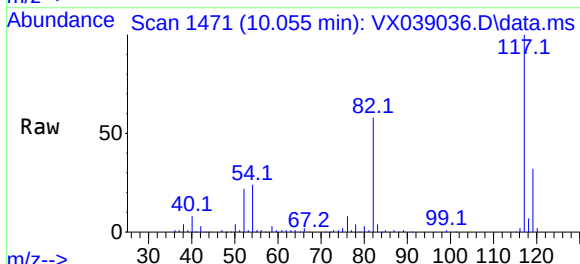


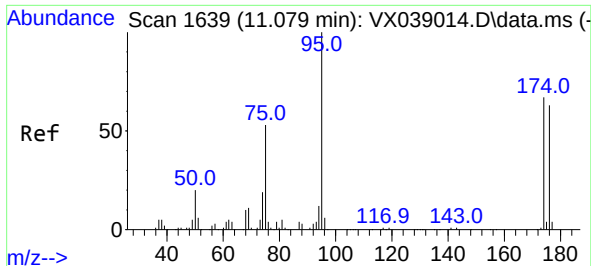
Tgt Ion:173 Resp: 292
Ion Ratio Lower Upper
173 100
175 983.2 37.6 56.4#
254 0.0 5.8 8.8#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion:117 Resp: 95717
Ion Ratio Lower Upper
117 100
82 60.6 47.0 70.6
119 32.2 25.2 37.8

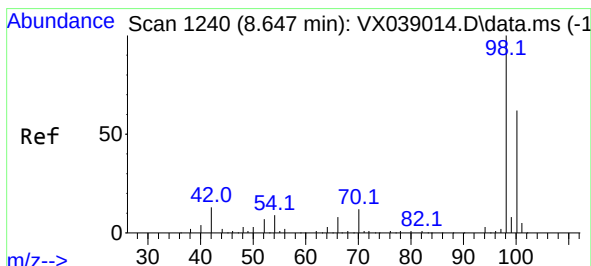
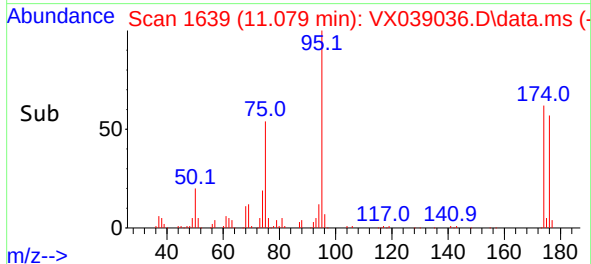
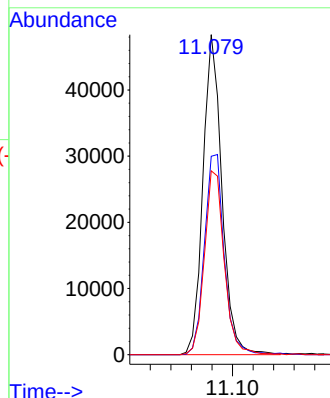
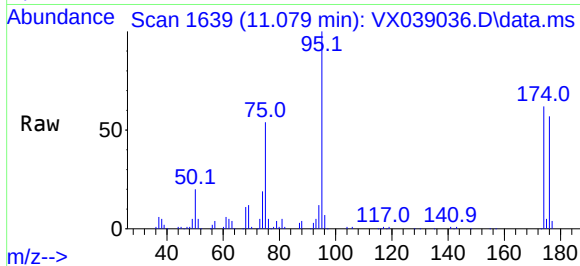




#60
4-Bromofluorobenzene
Concen: 29.709 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

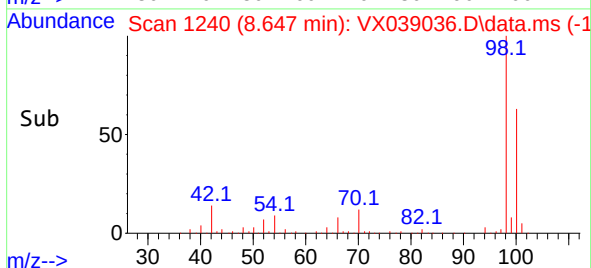
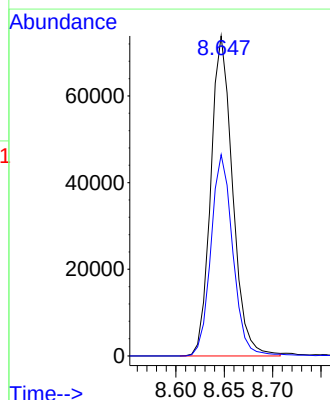
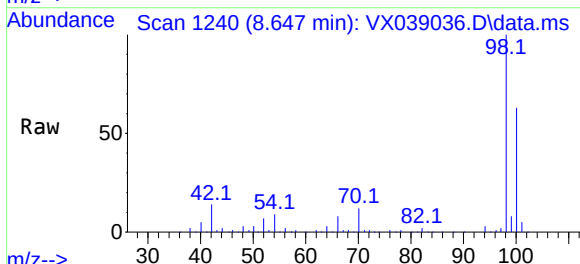
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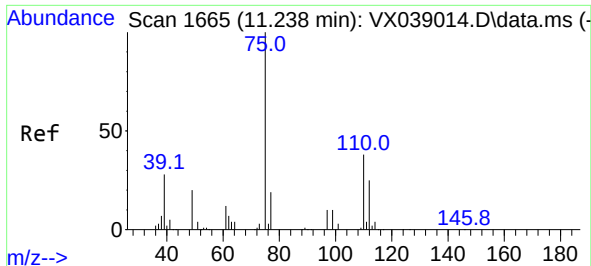
Tgt Ion: 95 Resp: 62111
Ion Ratio Lower Upper
95 100
174 65.2 55.4 83.2
176 60.0 52.6 78.8



#63
Toluene-d8
Concen: 30.700 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion: 98 Resp: 116179
Ion Ratio Lower Upper
98 100
100 63.0 51.0 76.4

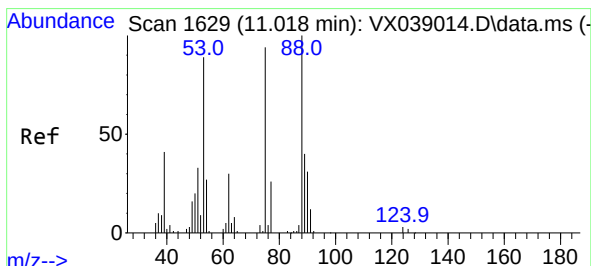
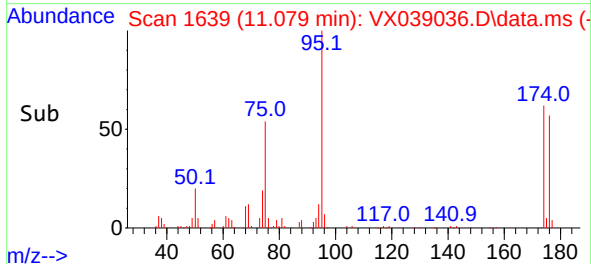
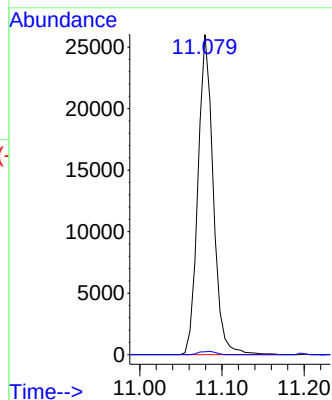
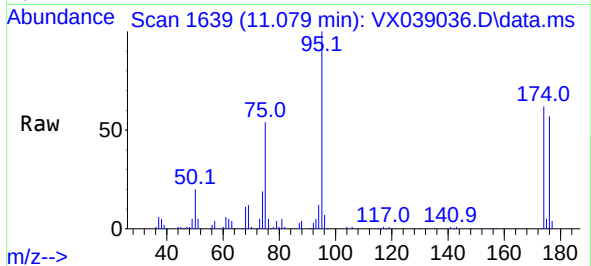




#72
1,2,3-Trichloropropane
Concen: 14.343 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 75 Resp: 33576
Ion Ratio Lower Upper
75 100
77 1.1 0.0 76.4



#77
t-1,4-Dichloro-2-butene
Concen: 36.197 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX039036.D
Acq: 27 Nov 2023 13:07

Tgt Ion: 75 Resp: 33576
Ion Ratio Lower Upper
75 100
53 0.0 46.9 140.8#
89 0.0 21.3 63.7#

