

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045051.D
 Acq On : 26 Feb 2025 13:06
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 IBLK

Quant Time: Feb 27 05:14:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Feb 22 01:06:36 2025
 Response via : Initial Calibration

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

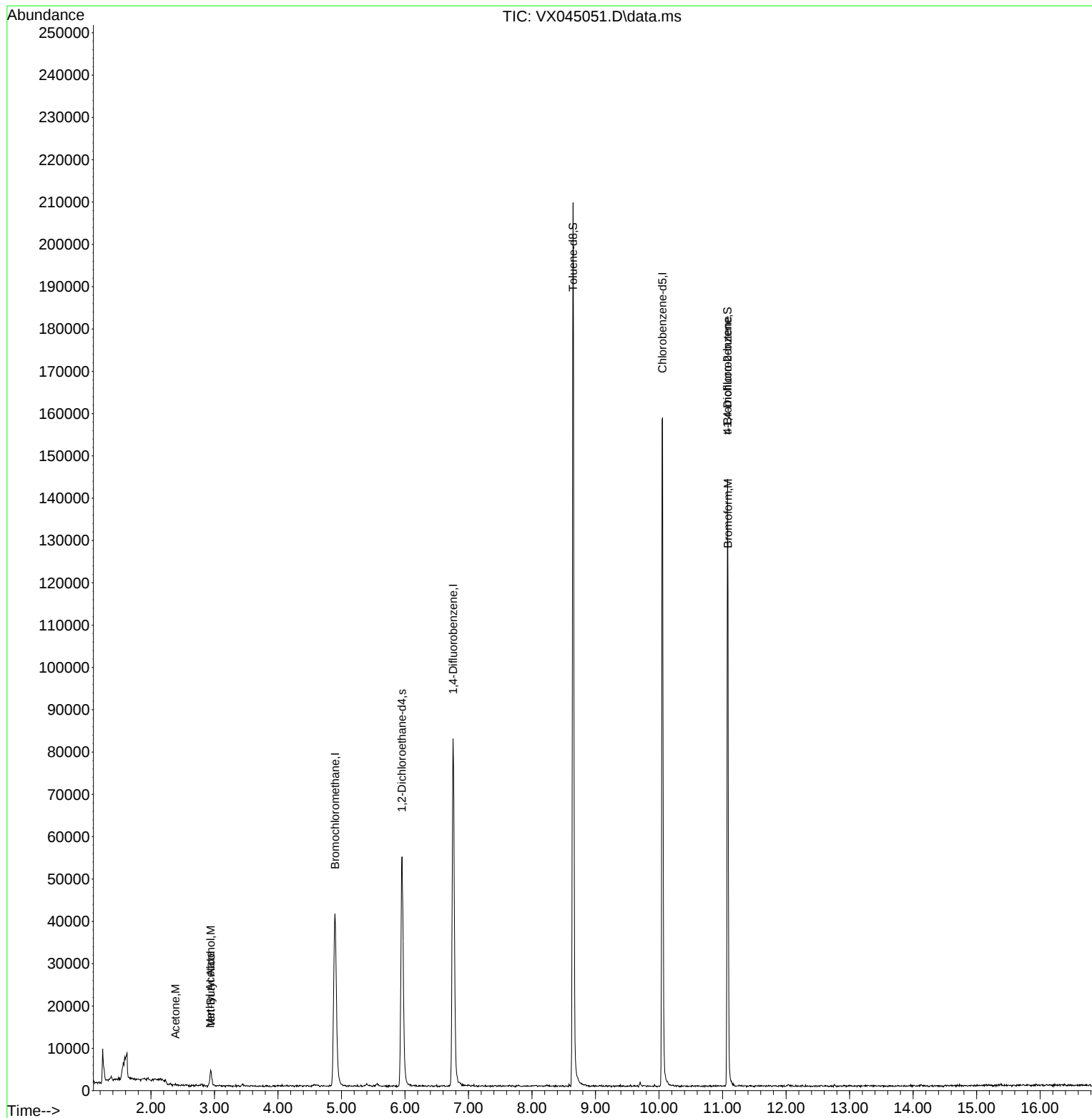
Internal Standards						
1) Bromochloromethane	4.897	128	16834	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	84452	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	74494	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	50532	30.906	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	103.033%
60) 4-Bromofluorobenzene	11.079	95	38034	27.315	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.067%
63) Toluene-d8	8.646	98	122034	29.612	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.700%
Target Compounds						
					Qvalue	
12) Methyl Acetate	2.934	43	335	0.226	ug/l #	53
15) Acetone	2.385	58	59	0.297	ug/l #	14
23) tert-Butyl Alcohol	2.940	59	2172	8.577	ug/l #	100
56) Bromoform	11.085	173	247	0.314	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	20259	43.682	ug/l #	10

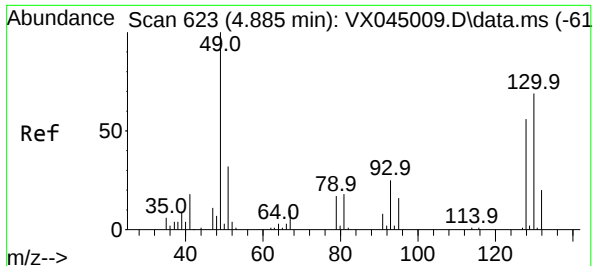
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration

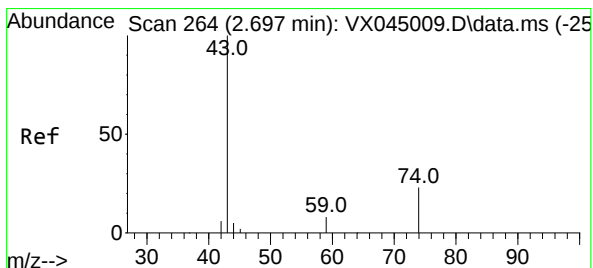
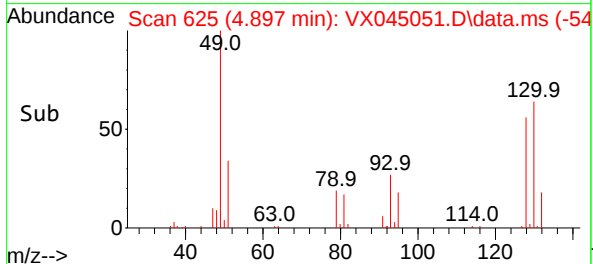
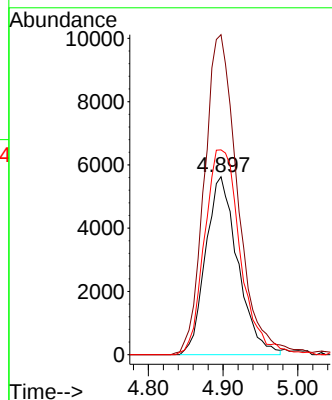
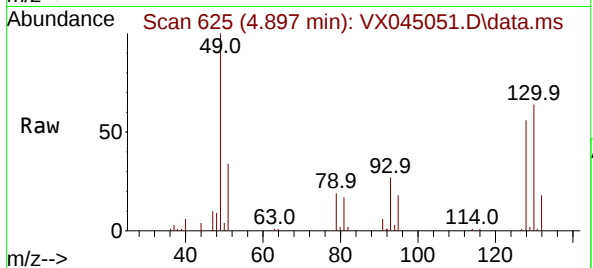




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.012 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

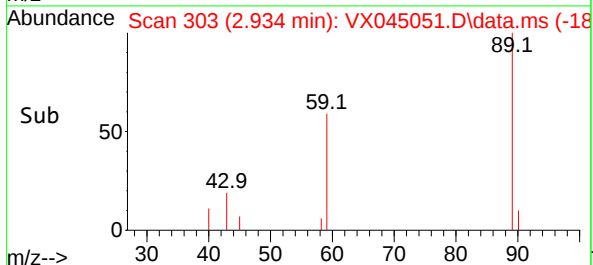
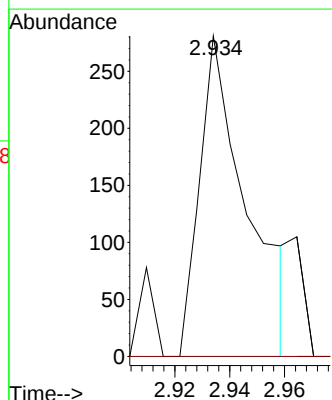
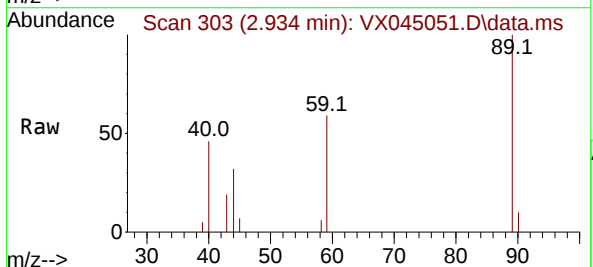
Instrument :
MSVOA_X
ClientSampleId :
IBLK

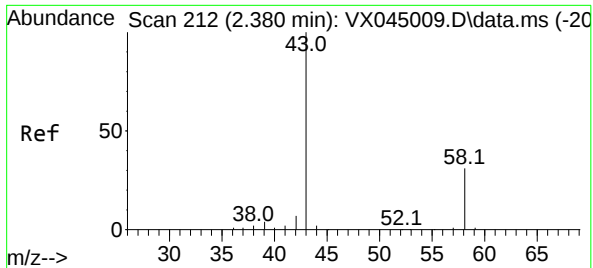
Tgt Ion:128 Resp: 16834
Ion Ratio Lower Upper
128 100
49 186.0 0.0 449.7
130 125.5 0.0 312.7



#12
Methyl Acetate
Concen: 0.226 ug/l
RT: 2.934 min Scan# 303
Delta R.T. 0.237 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

Tgt Ion: 43 Resp: 335
Ion Ratio Lower Upper
43 100
74 0.0 17.9 26.9#

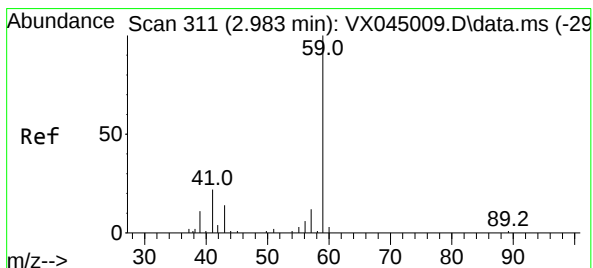
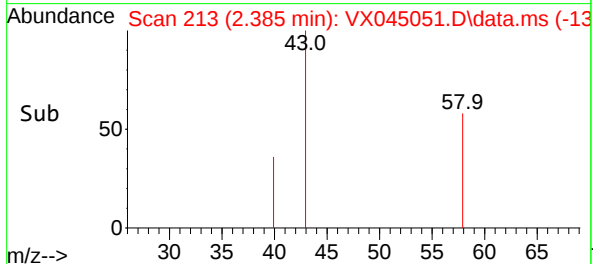
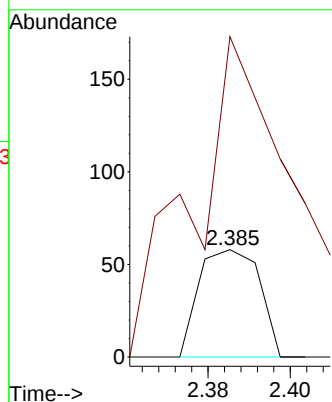
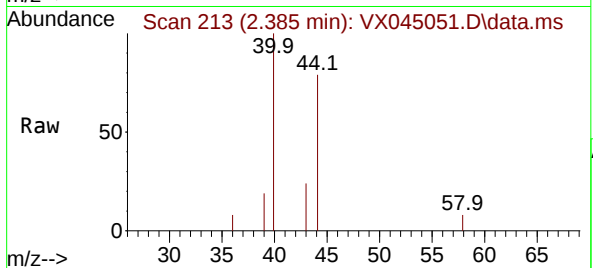




#15
Acetone
Concen: 0.297 ug/l
RT: 2.385 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

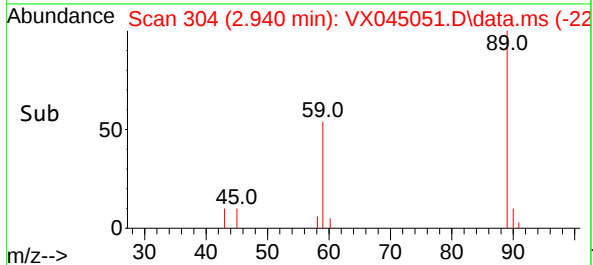
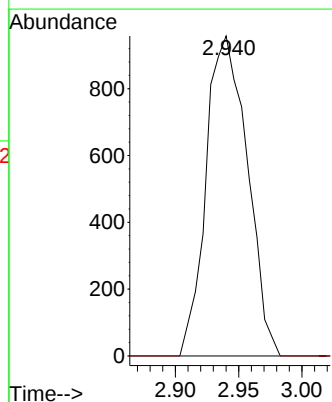
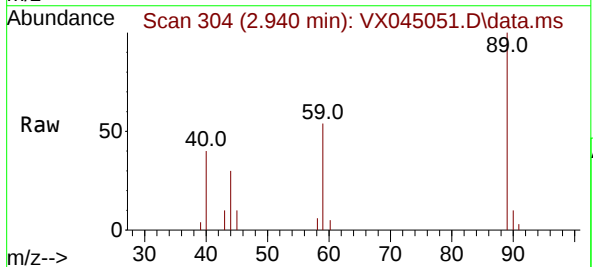
Instrument :
MSVOA_X
ClientSampleId :
IBLK

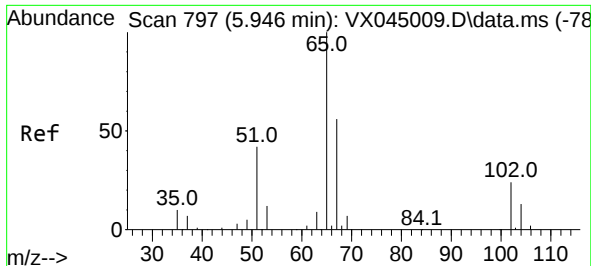
Tgt Ion: 58 Resp: 59
Ion Ratio Lower Upper
58 100
43 146.6 258.6 388.0#



#23
tert-Butyl Alcohol
Concen: 8.577 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

Tgt Ion: 59 Resp: 2172
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0





#27

1,2-Dichloroethane-d4

Concen: 30.906 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045051.D

Acq: 26 Feb 2025 13:06

Instrument :

MSVOA_X

ClientSampleId :

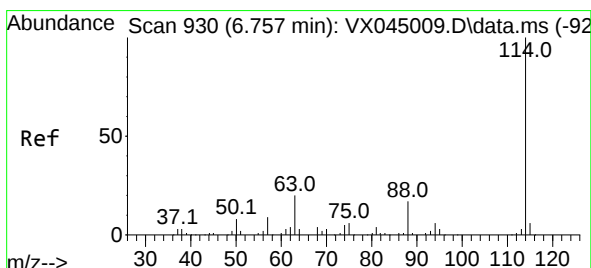
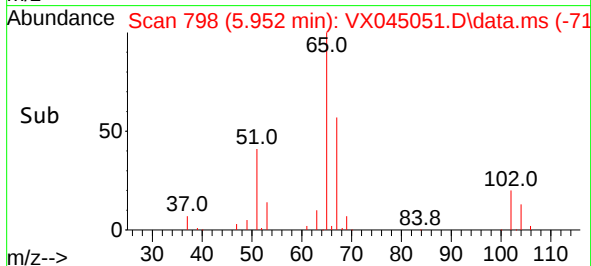
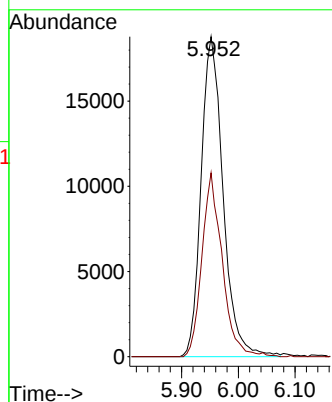
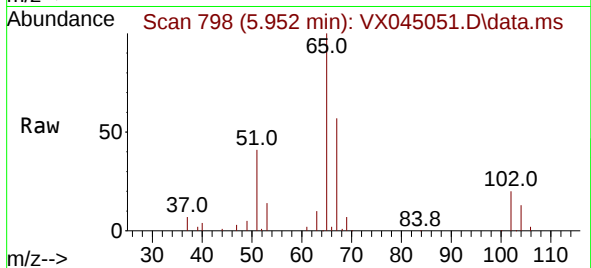
IBLK

Tgt Ion: 65 Resp: 50532

Ion Ratio Lower Upper

65 100

67 52.8 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045051.D

Acq: 26 Feb 2025 13:06

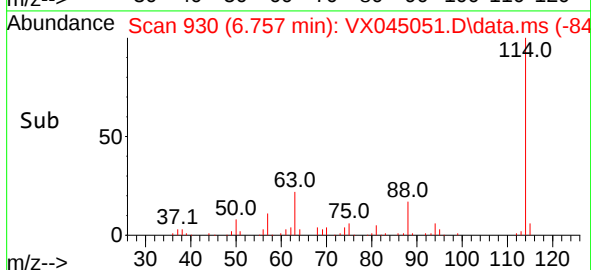
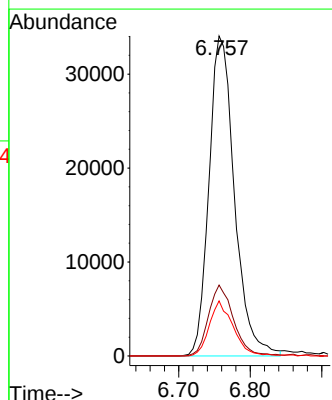
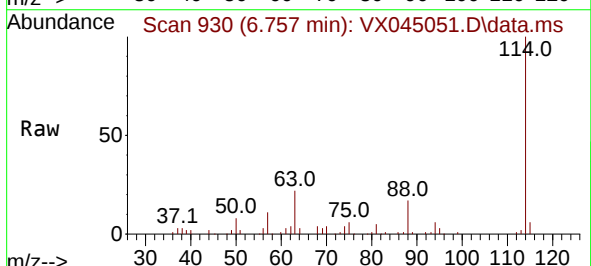
Tgt Ion: 114 Resp: 84452

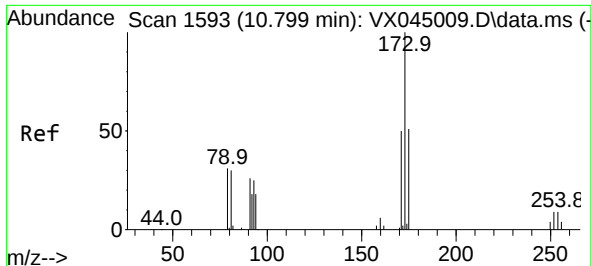
Ion Ratio Lower Upper

114 100

63 21.8 16.8 25.2

88 15.8 12.7 19.1

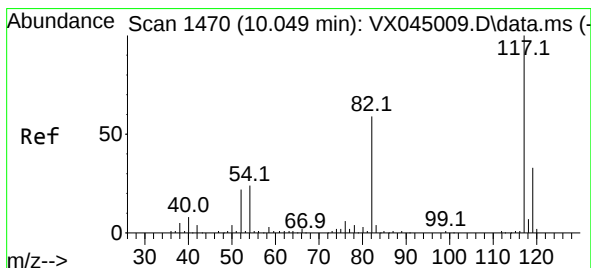
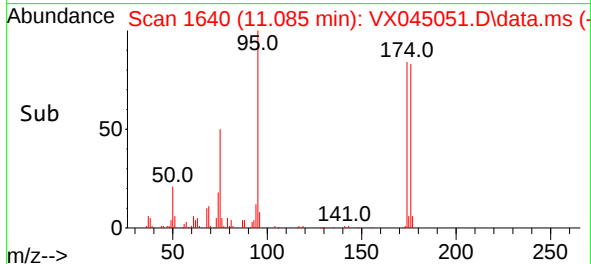
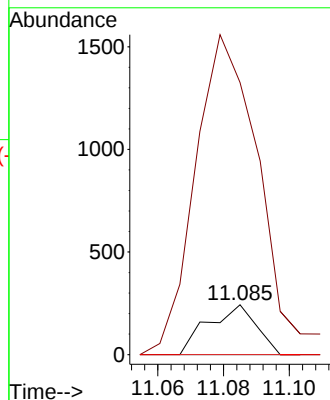
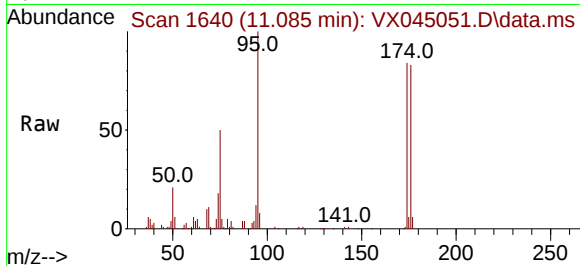




#56
Bromoform
Concen: 0.314 ug/l
RT: 11.085 min Scan# 11
Delta R.T. 0.286 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

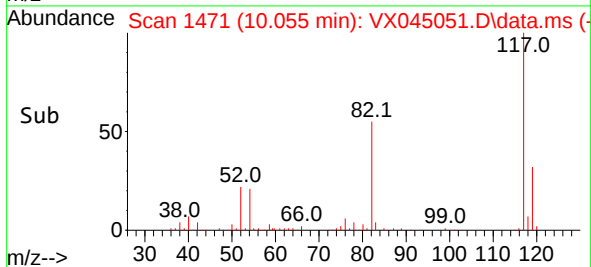
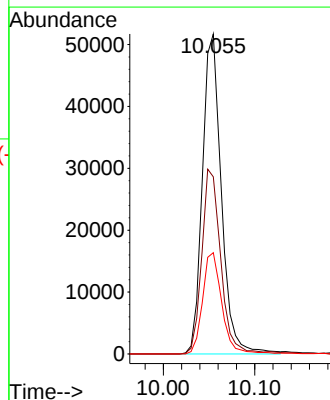
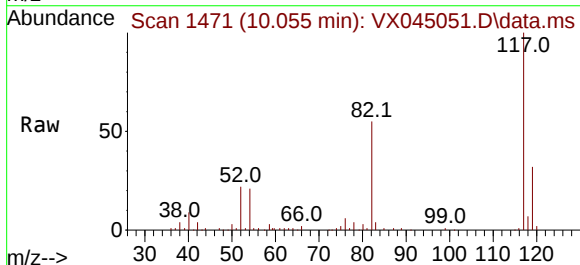
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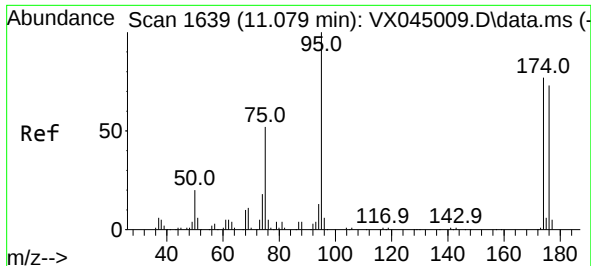
Tgt Ion:173 Resp: 247
Ion Ratio Lower Upper
173 100
175 832.8 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

Tgt Ion:117 Resp: 74494
Ion Ratio Lower Upper
117 100
82 56.9 45.8 68.8
119 31.9 25.5 38.3

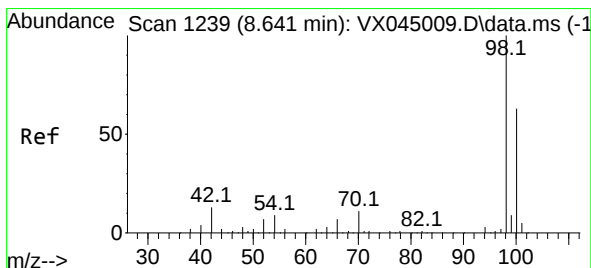
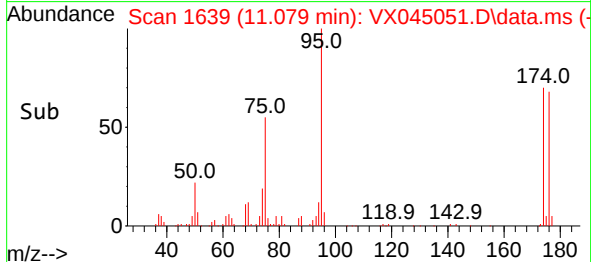
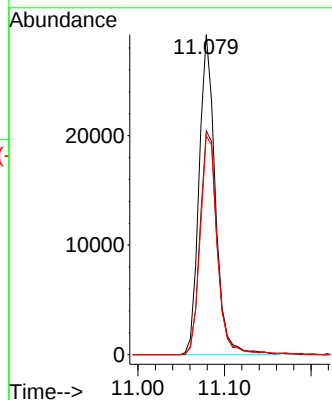
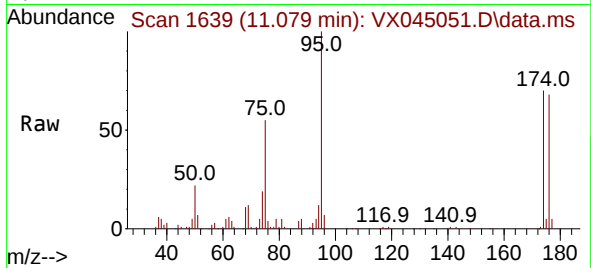




#60
4-Bromofluorobenzene
Concen: 27.315 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

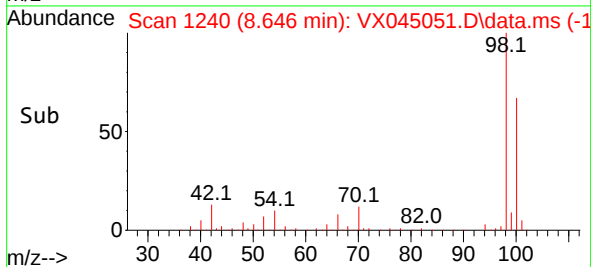
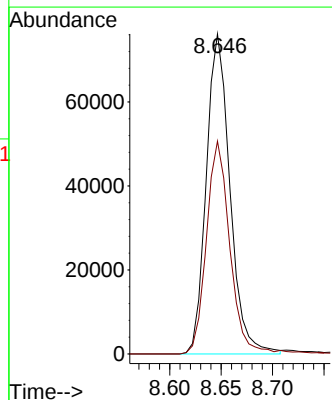
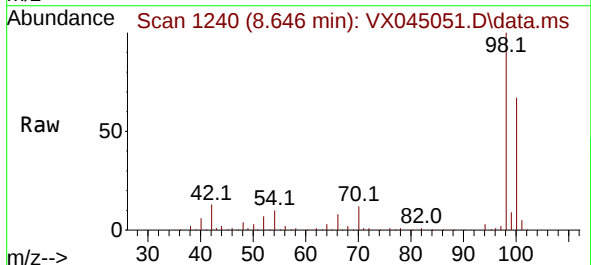
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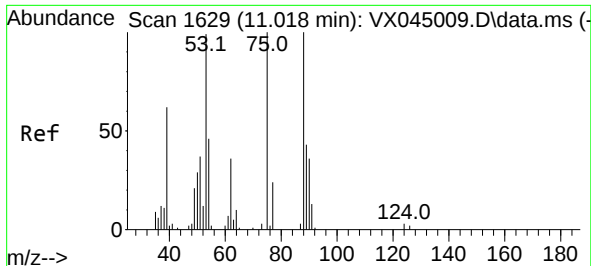
Tgt Ion: 95 Resp: 38034
Ion Ratio Lower Upper
95 100
174 73.4 59.5 89.3
176 71.1 55.5 83.3



#63
Toluene-d8
Concen: 29.612 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045051.D
Acq: 26 Feb 2025 13:06

Tgt Ion: 98 Resp: 122034
Ion Ratio Lower Upper
98 100
100 65.2 51.7 77.5





#77

t-1,4-Dichloro-2-butene

Concen: 43.682 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.060 min

Lab File: VX045051.D

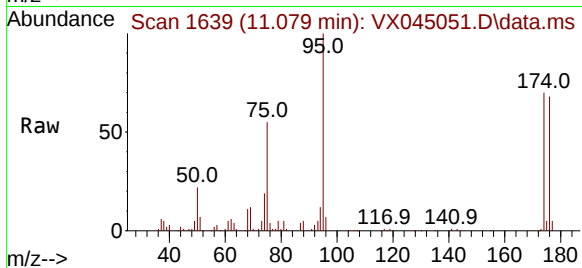
Acq: 26 Feb 2025 13:06

Instrument :

MSVOA_X

ClientSampleId :

IBLK



Tgt Ion: 75 Resp: 20259

Ion Ratio Lower Upper

75 100

53 0.0 49.8 149.4#

89 0.0 21.4 64.2#

