

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022425\
 Data File : VX045025.D
 Acq On : 24 Feb 2025 12:20
 Operator : JC/MD
 Sample : VX0224WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Feb 24 12:46:59 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)

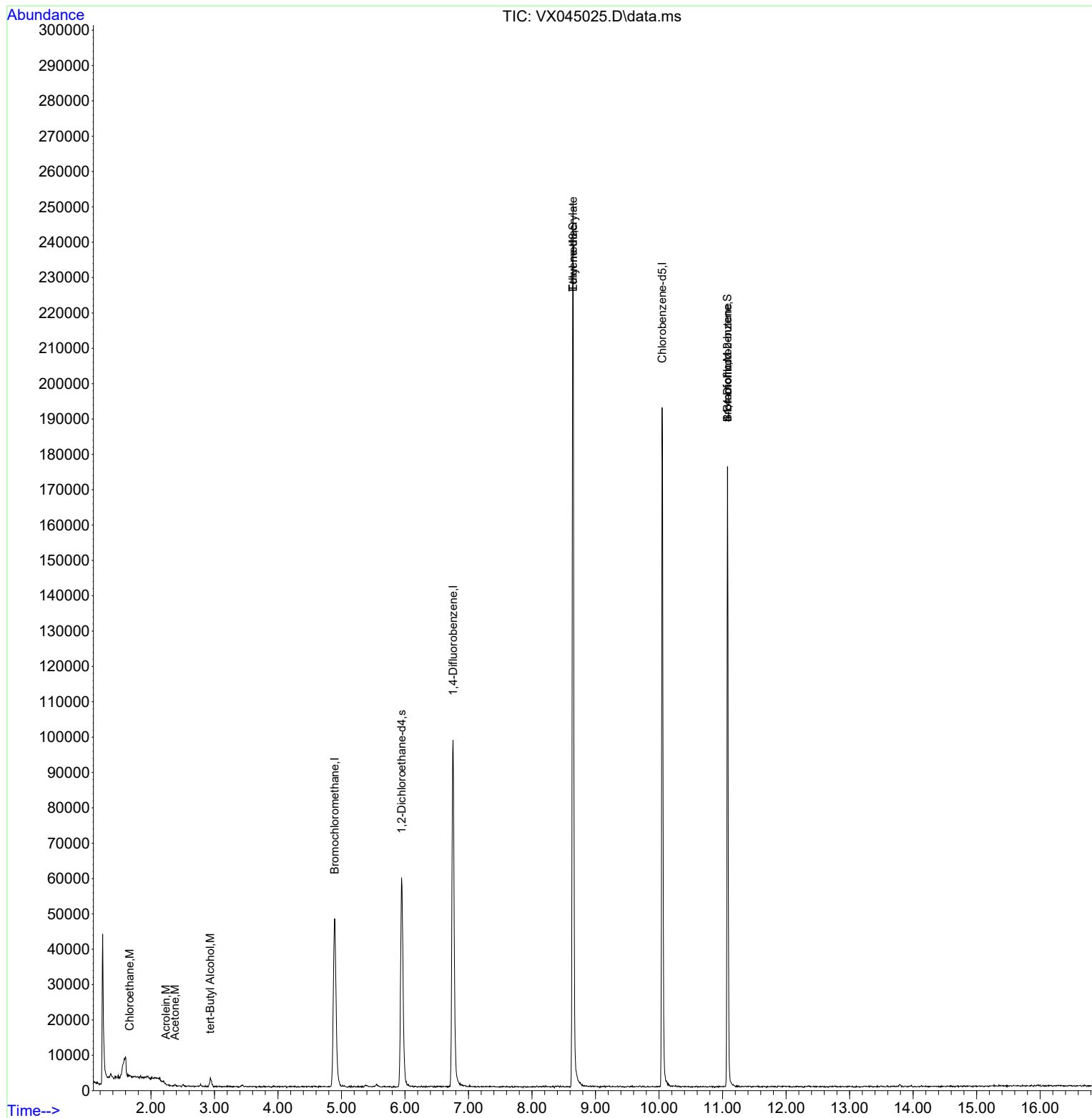
Internal Standards						
1) Bromochloromethane	4.891	128	19274	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	100345	30.00	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	86987	30.00	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.946	65	55082	29.42	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.07%
60) 4-Bromofluorobenzene	11.079	95	45953	28.26	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.20%
63) Toluene-d8	8.646	98	149824	31.13	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	103.77%
Target Compounds						
						Qvalue
6) Chloroethane	1.666	64	229	0.23	ug/l #	60
13) Acrolein	2.233	56	225	0.66	ug/l	85
15) Acetone	2.379	58	50	0.22	ug/l #	11
23) tert-Butyl Alcohol	2.934	59	1478	4.72	ug/l #	100
51) Ethyl methacrylate	8.646	69	476	0.22	ug/l	77
56) Bromoform	11.079	173	378	0.40	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	24606	34.96	ug/l	100

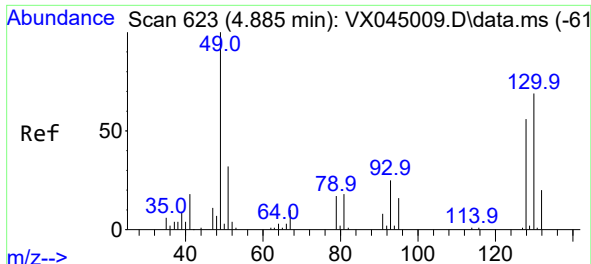
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : VX0224WBL01
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ALS Vial : 5 Sample Multiplier: 1

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MSVOA_X
ClientSampleId :

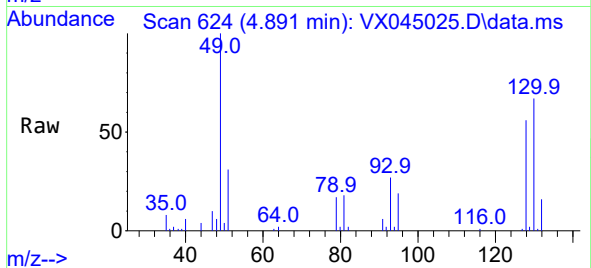
Quant Time: Feb 24 12:46:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X022125W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Feb 22 01:06:36 2025
Response via : Initial Calibration



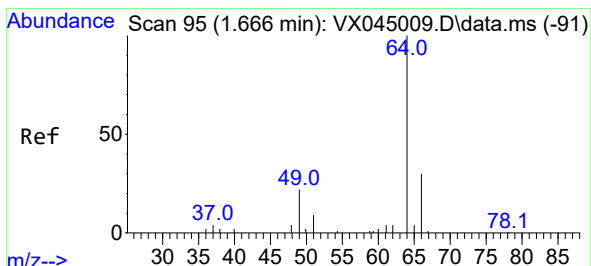
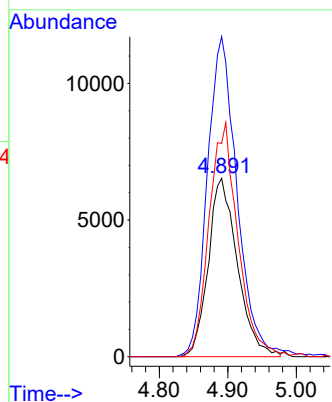
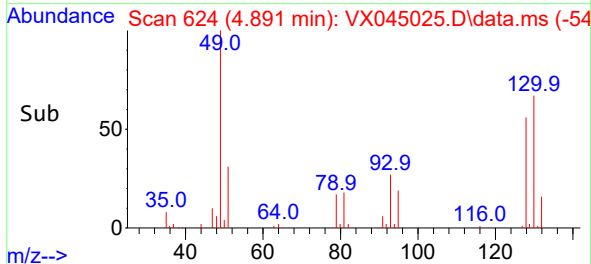


#1
Bromochloromethane
Concen: 30.00 ug/l
RT: 4.891 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :

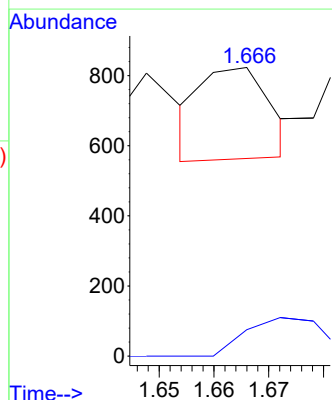
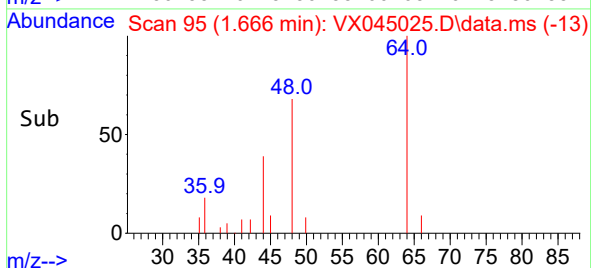
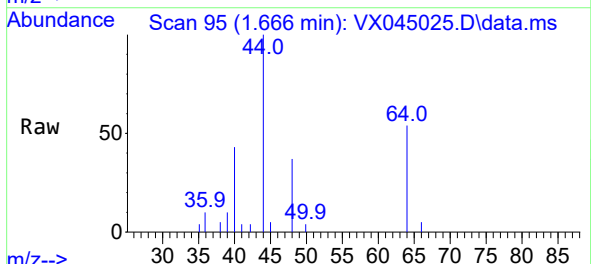


Tgt Ion:128 Resp: 19274
Ion Ratio Lower Upper
128 100
49 183.6 0.0 449.7
130 130.0 0.0 312.7

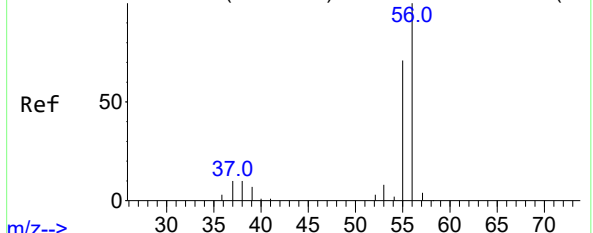


#6
Chloroethane
Concen: 0.23 ug/l
RT: 1.666 min Scan# 95
Delta R.T. -0.000 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

Tgt Ion: 64 Resp: 229
Ion Ratio Lower Upper
64 100
66 51.4 23.7 35.5#

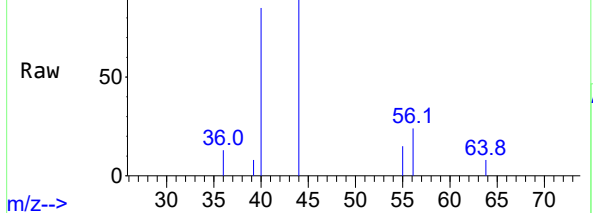


Abundance Scan 188 (2.233 min): VX045009.D\data.ms (-18



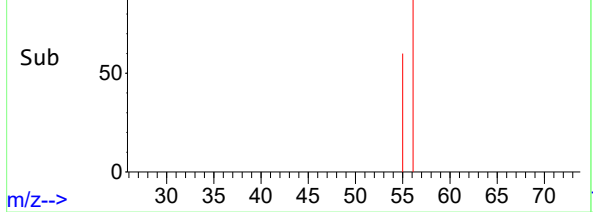
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Abundance Scan 188 (2.233 min): VX045025.D\data.ms



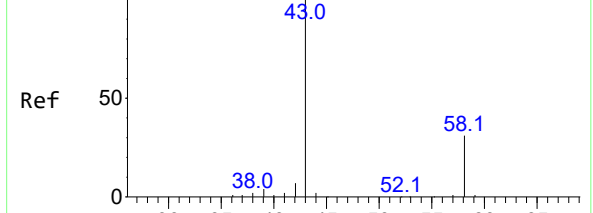
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Abundance Scan 188 (2.233 min): VX045025.D\data.ms (-10



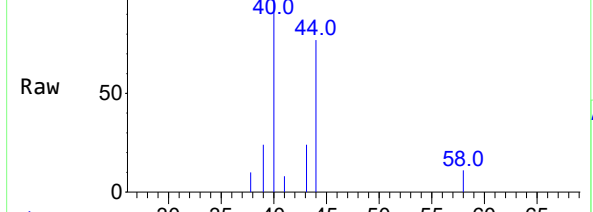
m/z-->

Abundance Scan 212 (2.380 min): VX045009.D\data.ms (-20



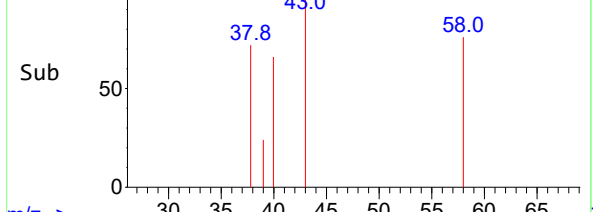
m/z-->

Abundance Scan 212 (2.379 min): VX045025.D\data.ms



m/z-->

Abundance Scan 212 (2.379 min): VX045025.D\data.ms (-13



m/z-->

#13

Acrolein

Concen: 0.66 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045025.D

Acq: 24 Feb 2025 12:20

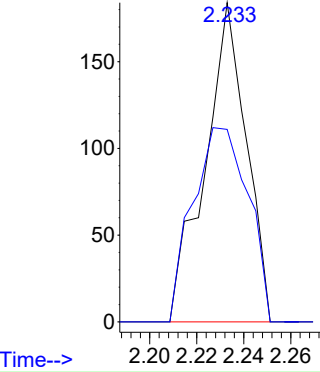
Tgt Ion: 56 Resp: 225

Ion Ratio Lower Upper

56 100

55 81.8 55.4 83.2

Abundance



Time-->

#15

Acetone

Concen: 0.22 ug/l

RT: 2.379 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX045025.D

Acq: 24 Feb 2025 12:20

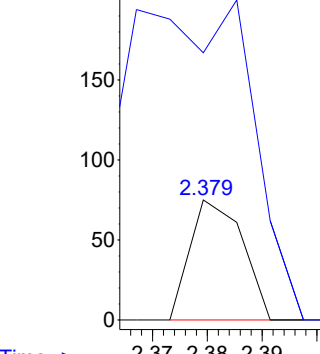
Tgt Ion: 58 Resp: 50

Ion Ratio Lower Upper

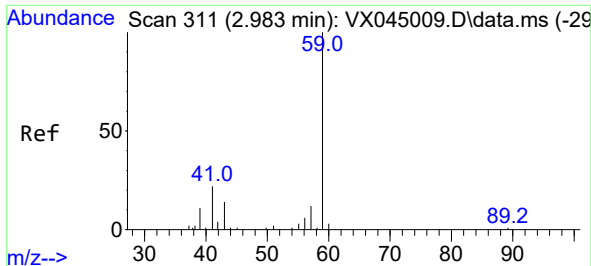
58 100

43 140.0 258.6 388.0#

Abundance



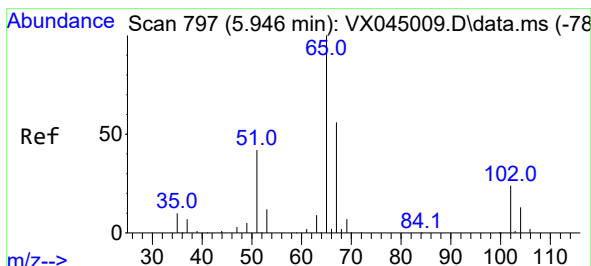
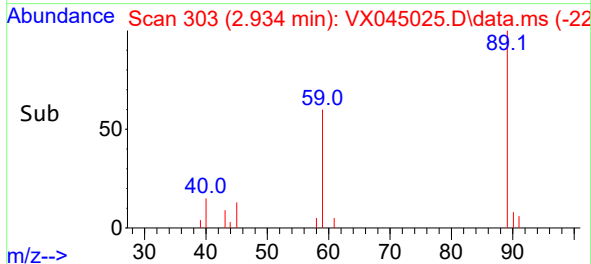
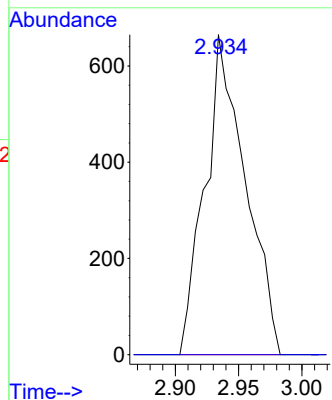
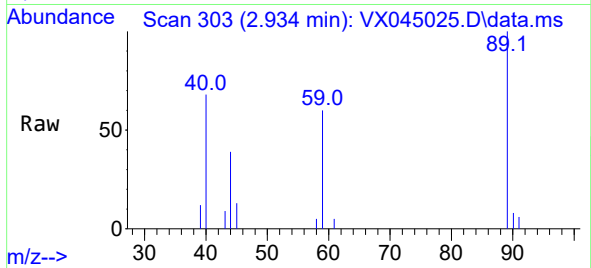
Time-->



#23
tert-Butyl Alcohol
Concen: 4.72 ug/l
RT: 2.934 min Scan# 30
Delta R.T. -0.049 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

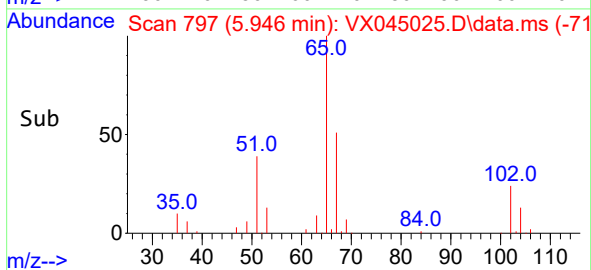
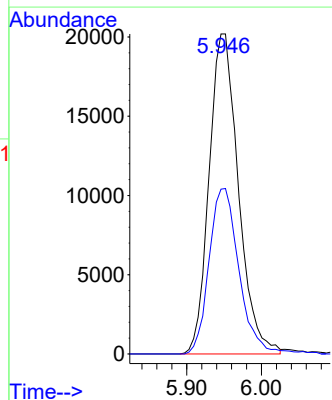
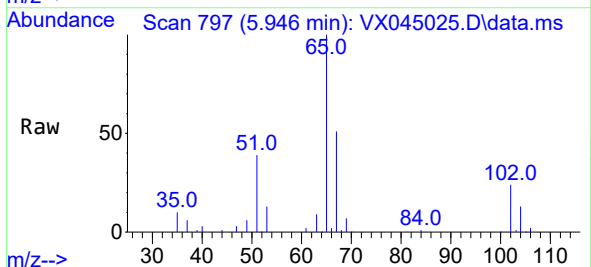
Instrument :
MSVOA_X
ClientSampleId :

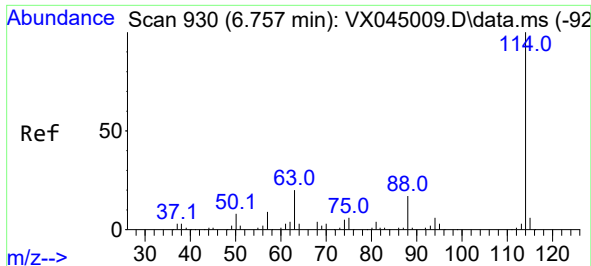
Tgt Ion: 59 Resp: 1478
Ion Ratio Lower Upper
59 100
52 3.8 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 29.42 ug/l
RT: 5.946 min Scan# 797
Delta R.T. -0.000 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

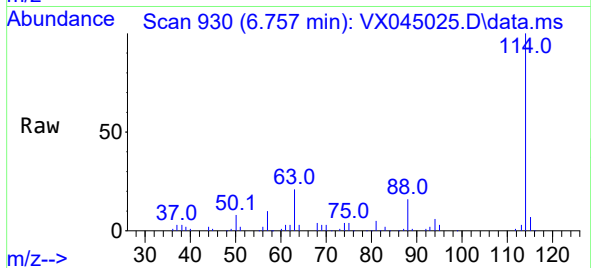
Tgt Ion: 65 Resp: 55082
Ion Ratio Lower Upper
65 100
67 52.7 42.6 64.0



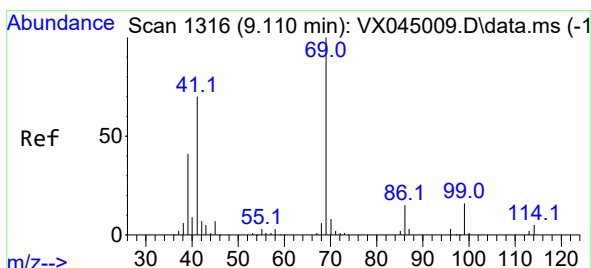
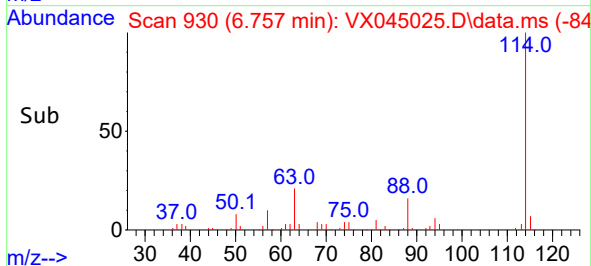
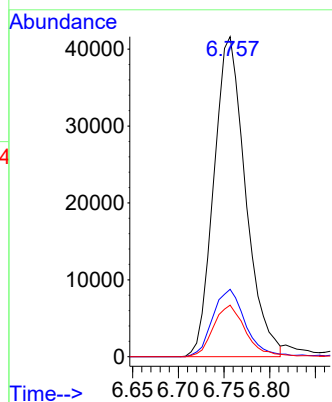


#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 6.757 min Scan# 91
 Delta R.T. -0.000 min
 Lab File: VX045025.D
 Acq: 24 Feb 2025 12:20

Instrument :
 MSVOA_X
 ClientSampleId :

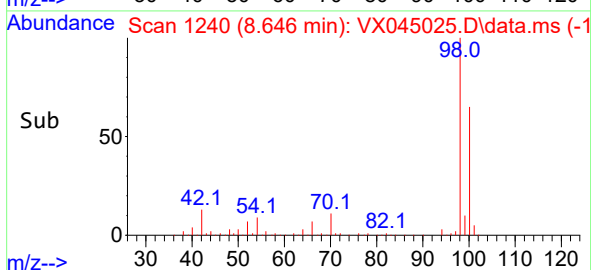
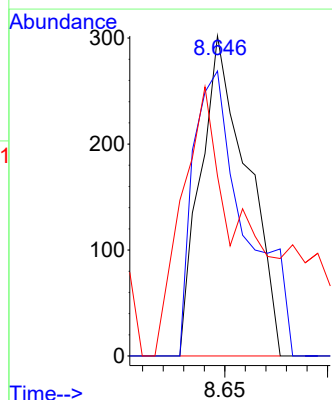
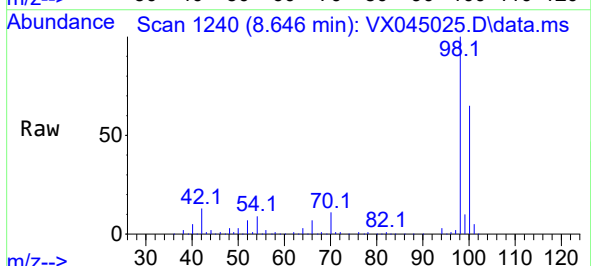


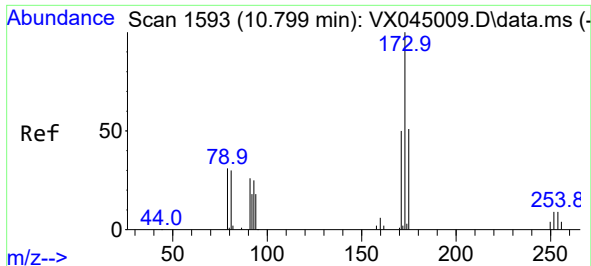
Tgt Ion:114 Resp: 100345
 Ion Ratio Lower Upper
 114 100
 63 21.6 16.8 25.2
 88 16.4 12.7 19.1



#51
 Ethyl methacrylate
 Concen: 0.22 ug/l
 RT: 8.646 min Scan# 1240
 Delta R.T. -0.464 min
 Lab File: VX045025.D
 Acq: 24 Feb 2025 12:20

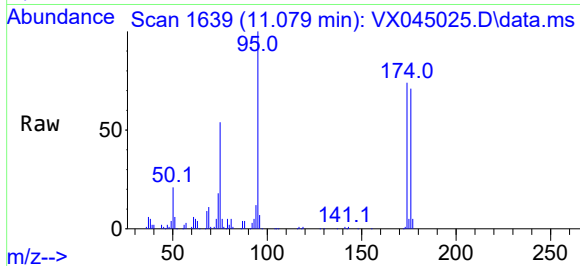
Tgt Ion: 69 Resp: 476
 Ion Ratio Lower Upper
 69 100
 41 89.1 35.1 105.3
 39 25.8 20.5 61.6



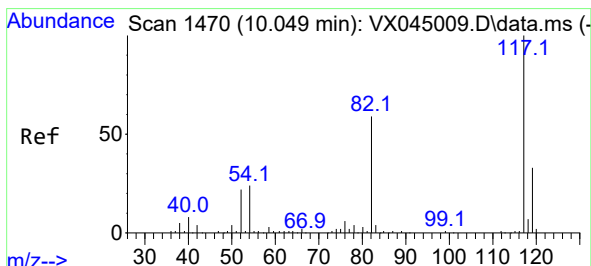
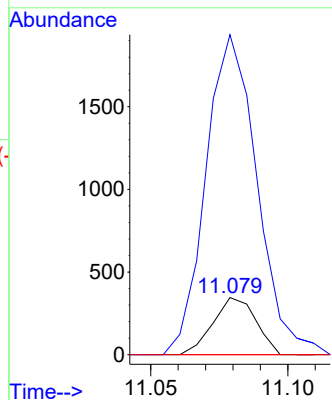
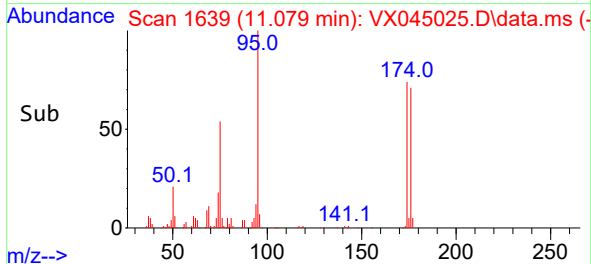


#56
Bromoform
Concen: 0.40 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.280 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

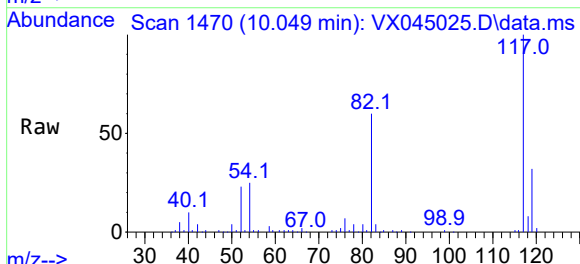
Instrument :
MSVOA_X
ClientSampleId :



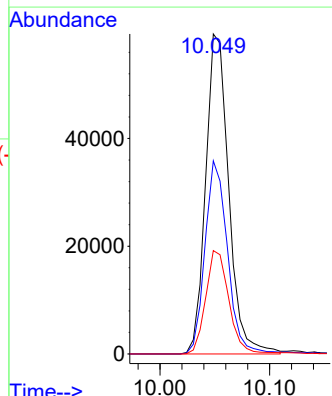
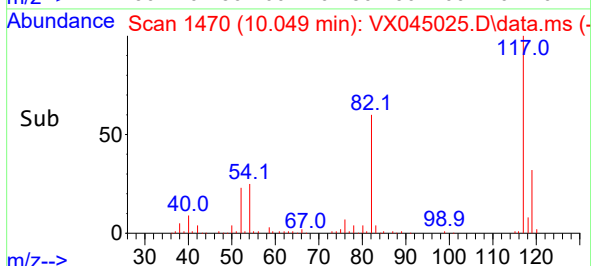
Tgt Ion:173 Resp: 378
Ion Ratio Lower Upper
173 100
175 666.1 39.6 59.4#
254 0.0 6.3 9.5#

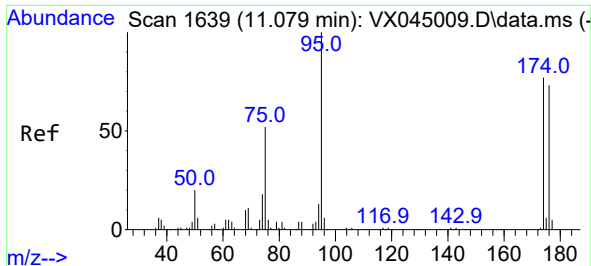


#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20



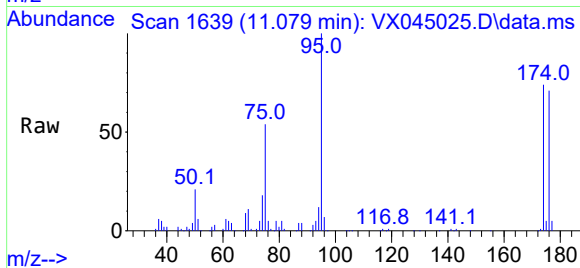
Tgt Ion:117 Resp: 86987
Ion Ratio Lower Upper
117 100
82 59.5 45.8 68.8
119 32.8 25.5 38.3



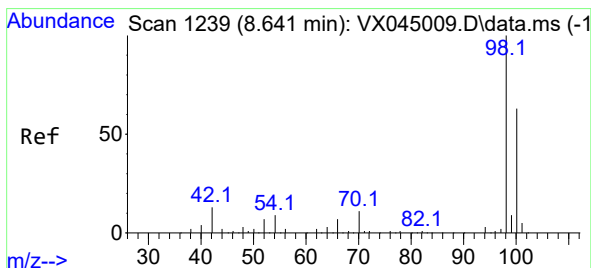
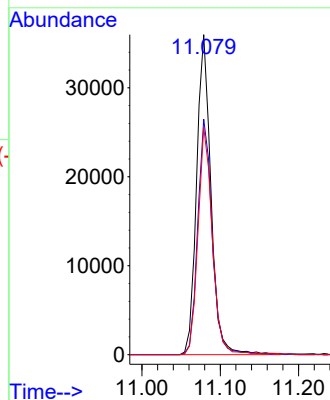
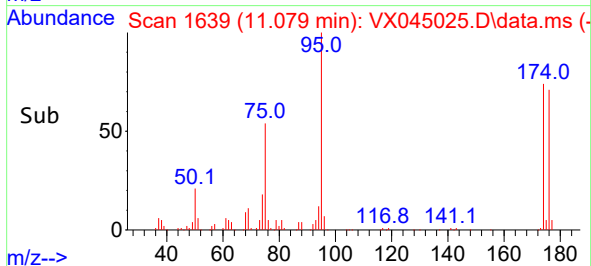


#60
4-Bromofluorobenzene
Concen: 28.26 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :

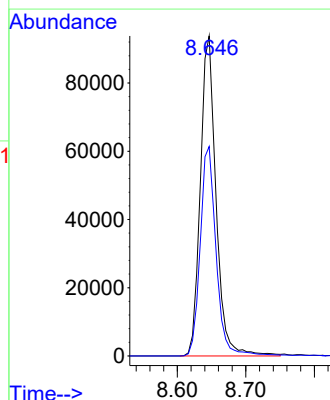
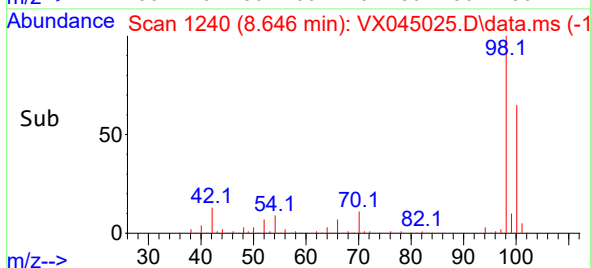
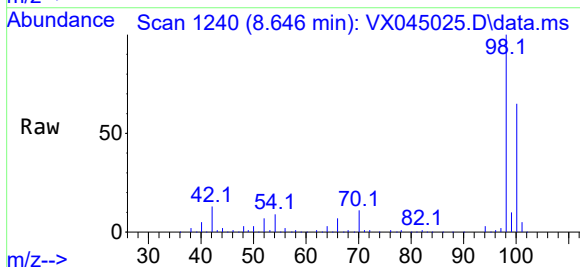


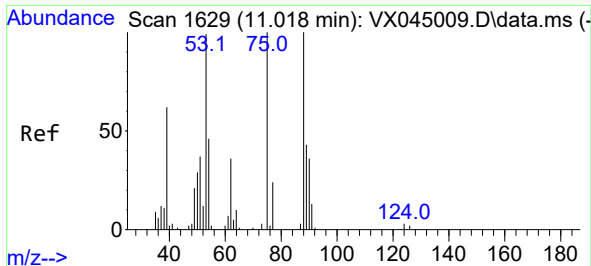
Tgt Ion: 95 Resp: 45953
Ion Ratio Lower Upper
95 100
174 73.6 59.5 89.3
176 70.4 55.5 83.3



#63
Toluene-d8
Concen: 31.13 ug/l
RT: 8.646 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

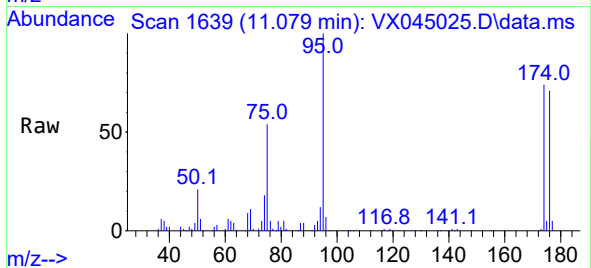
Tgt Ion: 98 Resp: 149824
Ion Ratio Lower Upper
98 100
100 66.3 51.7 77.5





#77
t-1,4-Dichloro-2-butene
Concen: 34.96 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX045025.D
Acq: 24 Feb 2025 12:20

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:	75	Resp:	24606
Ion	Ratio	Lower	Upper
75	100		
53	0.0	0.0	0.0
89	0.0	0.0	0.0

