

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX031925\
 Data File : VX045343.D
 Acq On : 19 Mar 2025 12:50
 Operator : JC/MD
 Sample : VX0319WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBL01

Quant Time: Mar 20 01:34:01 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)

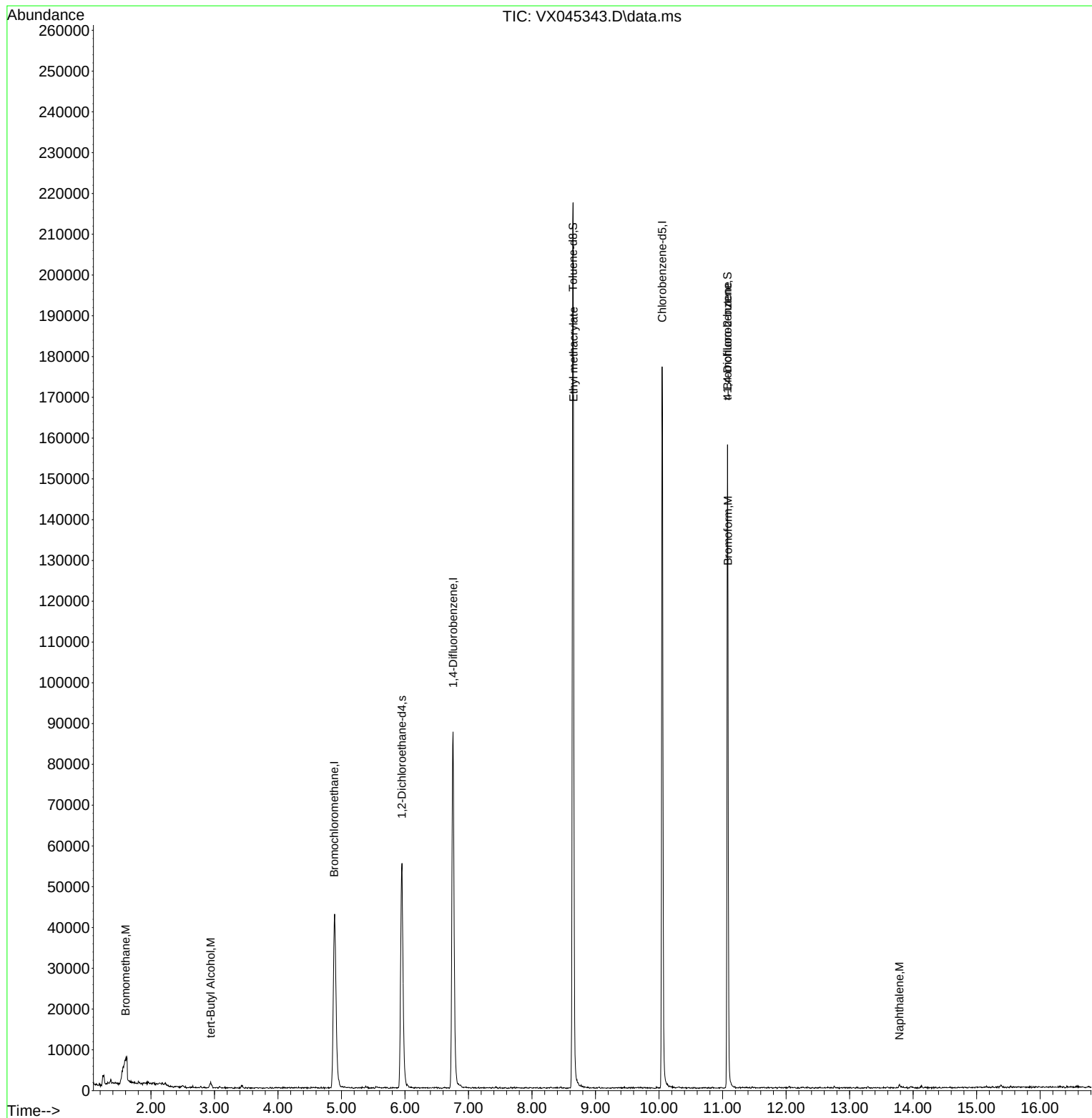
Internal Standards						
1) Bromochloromethane	4.885	128	17082	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	85703	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	77105	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	51831	31.240	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	104.133%
60) 4-Bromofluorobenzene	11.079	95	40882	28.367	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	94.567%
63) Toluene-d8	8.647	98	125682	29.464	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.200%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	142	0.245	ug/l #	41
23) tert-Butyl Alcohol	2.941	59	894	3.479	ug/l #	100
51) Ethyl methacrylate	8.653	69	483	0.267	ug/l	73
56) Bromoform	11.085	173	294	0.369	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	23333	48.607	ug/l #	10
91) Naphthalene	13.786	128	969	0.205	ug/l #	69

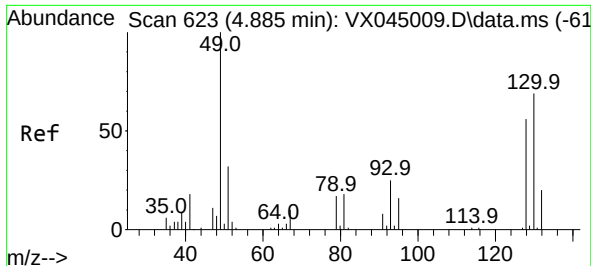
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 20 01:34:01 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

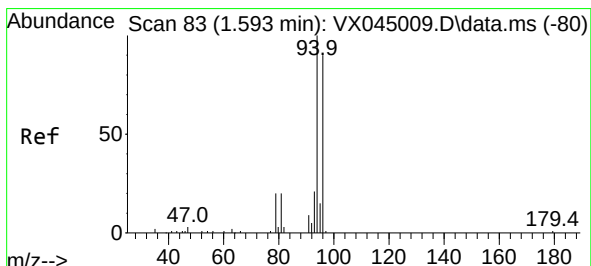
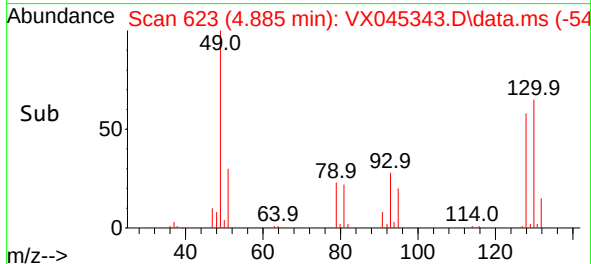
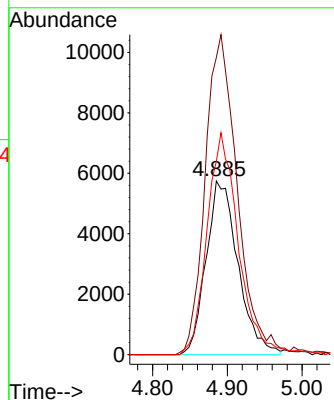
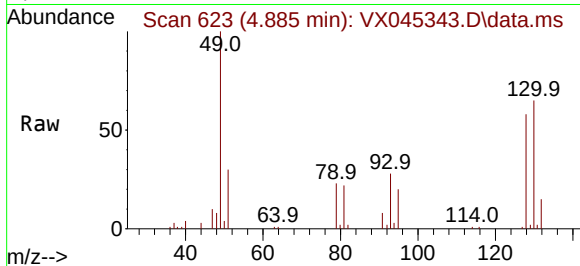




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.885 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VX045343.D
 Acq: 19 Mar 2025 12:50

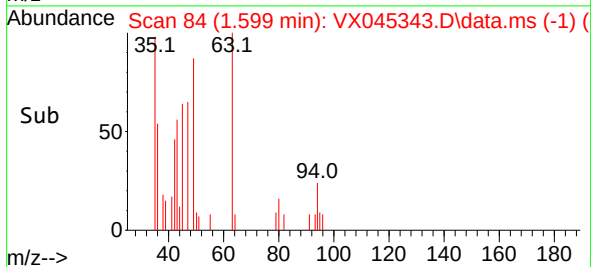
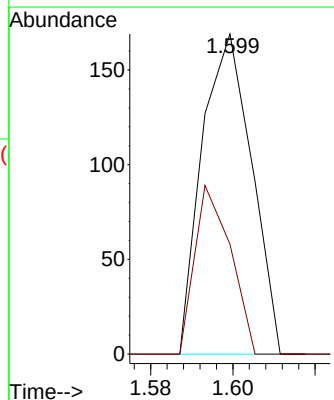
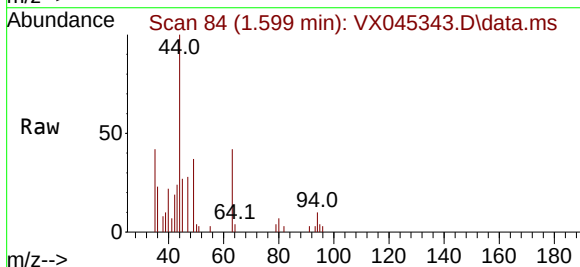
Instrument :
 MSVOA_X
 ClientSampleId :
 VX0319WBL01

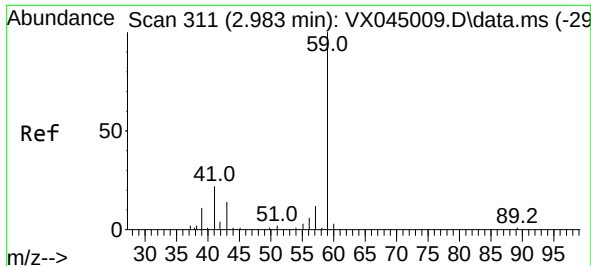
Tgt Ion:	128	Resp:	17082
Ion	Ratio	Lower	Upper
128	100		
49	184.8	0.0	449.7
130	124.8	0.0	312.7



#5
 Bromomethane
 Concen: 0.245 ug/l
 RT: 1.599 min Scan# 84
 Delta R.T. 0.006 min
 Lab File: VX045343.D
 Acq: 19 Mar 2025 12:50

Tgt Ion:	94	Resp:	142
Ion	Ratio	Lower	Upper
94	100		
96	34.3	72.2	108.4#

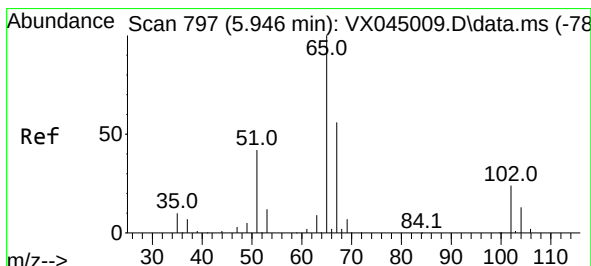
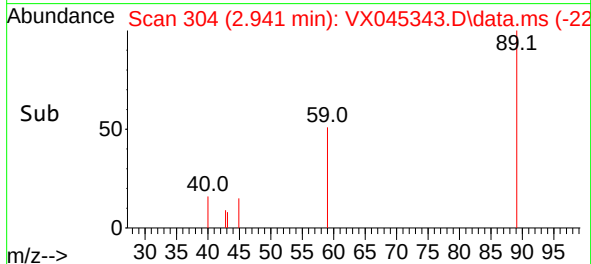
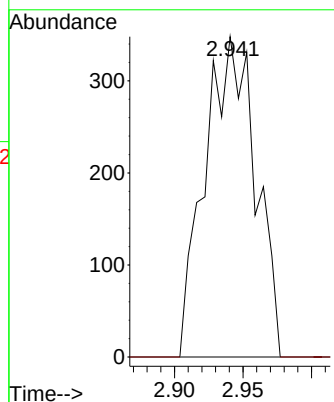
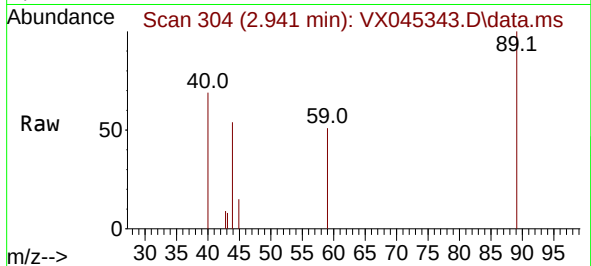




#23
tert-Butyl Alcohol
Concen: 3.479 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

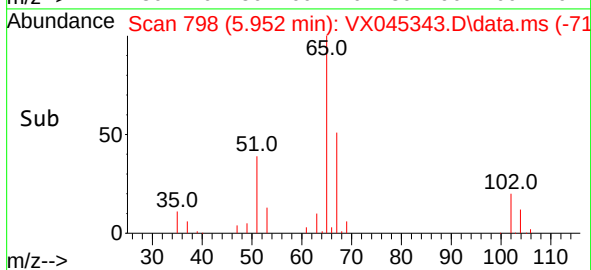
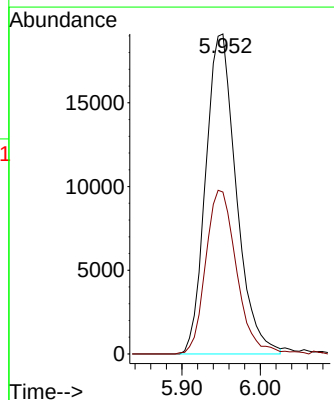
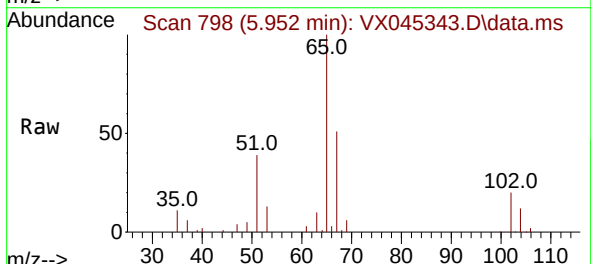
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

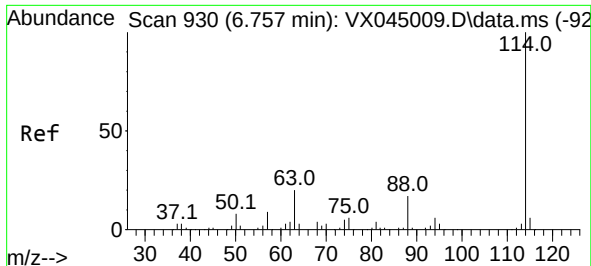
Tgt Ion: 59 Resp: 894
Ion Ratio Lower Upper
59 100
52 7.6 0.0 0.0#



#27
1,2-Dichloroethane-d4
Concen: 31.240 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

Tgt Ion: 65 Resp: 51831
Ion Ratio Lower Upper
65 100
67 50.7 42.6 64.0





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045343.D

Acq: 19 Mar 2025 12:50

Instrument :

MSVOA_X

ClientSampleId :

VX0319WBL01

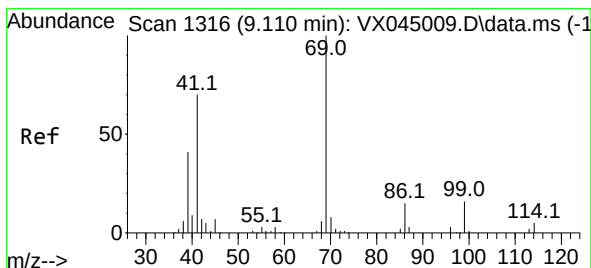
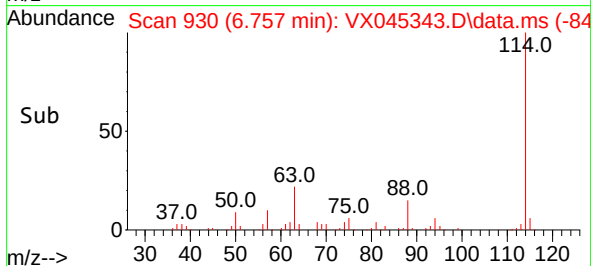
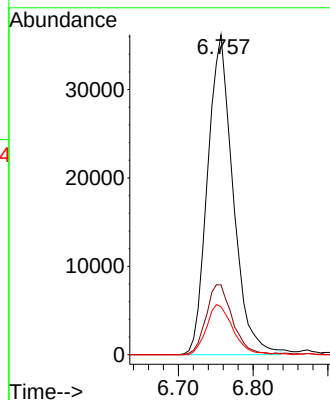
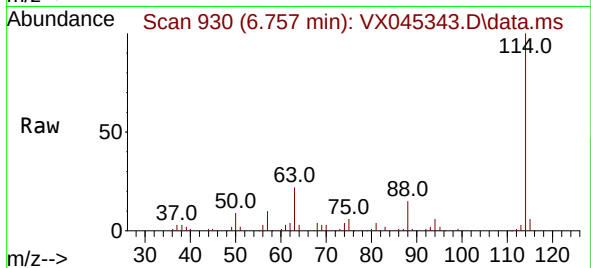
Tgt Ion:114 Resp: 85703

Ion Ratio Lower Upper

114 100

63 22.6 16.8 25.2

88 16.1 12.7 19.1



#51

Ethyl methacrylate

Concen: 0.267 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.457 min

Lab File: VX045343.D

Acq: 19 Mar 2025 12:50

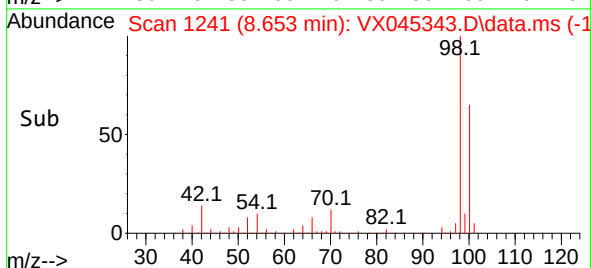
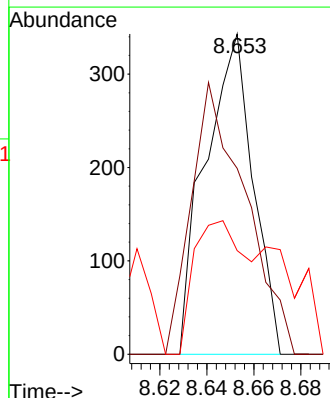
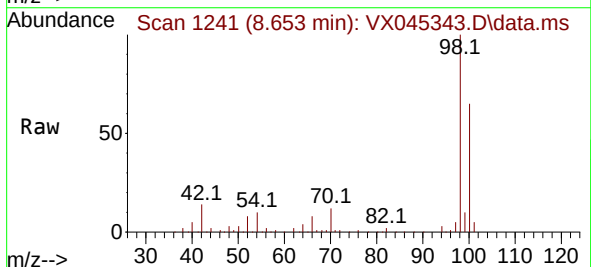
Tgt Ion: 69 Resp: 483

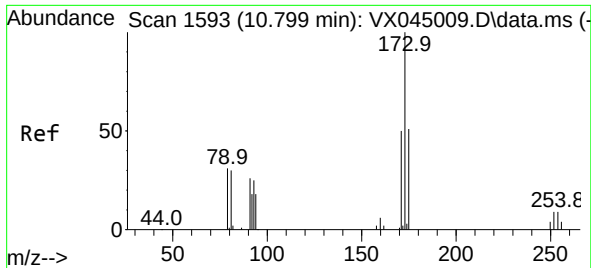
Ion Ratio Lower Upper

69 100

41 41.1 35.1 105.3

39 32.4 20.5 61.6

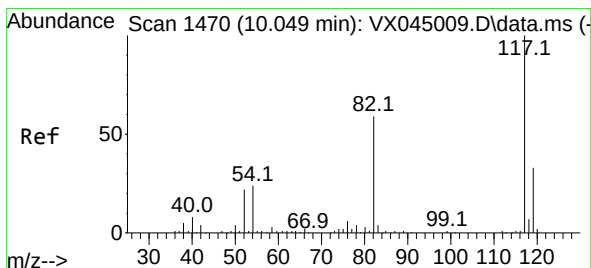
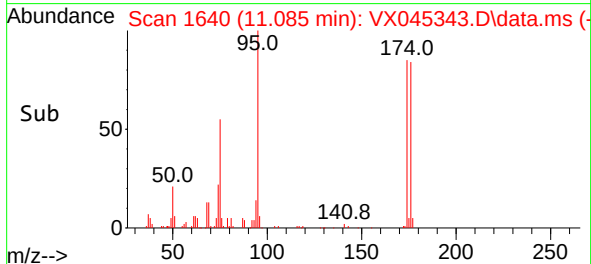
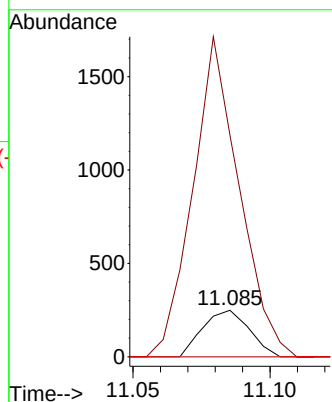
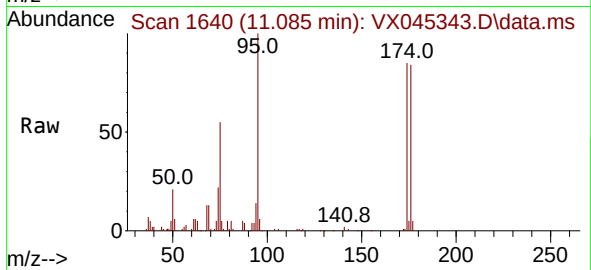




#56
Bromoform
Concen: 0.369 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.286 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

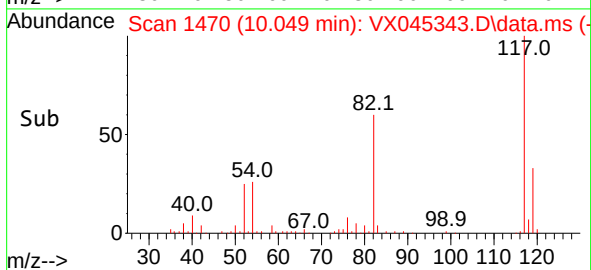
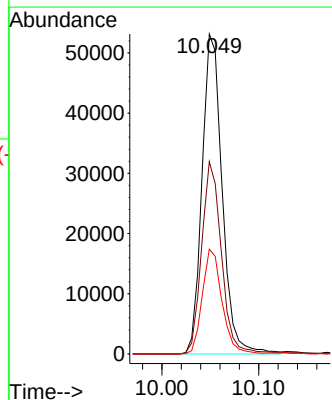
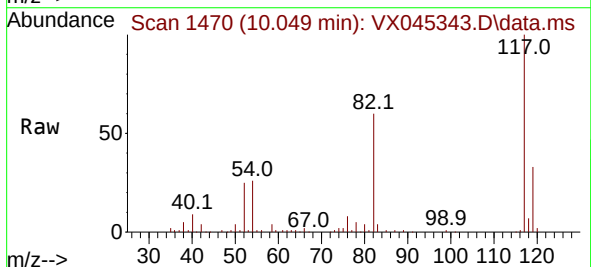
Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

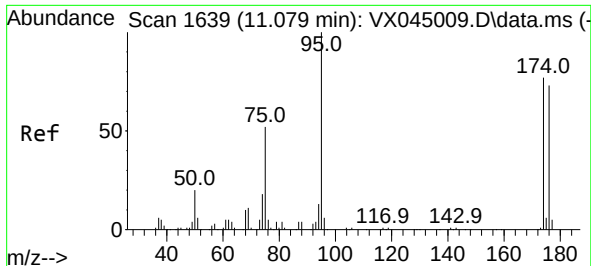
Tgt Ion:173 Resp: 294
Ion Ratio Lower Upper
173 100
175 685.7 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

Tgt Ion:117 Resp: 77105
Ion Ratio Lower Upper
117 100
82 59.4 45.8 68.8
119 31.9 25.5 38.3

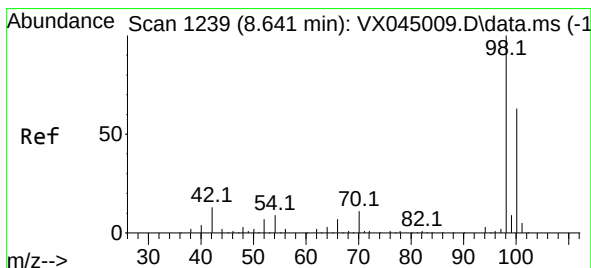
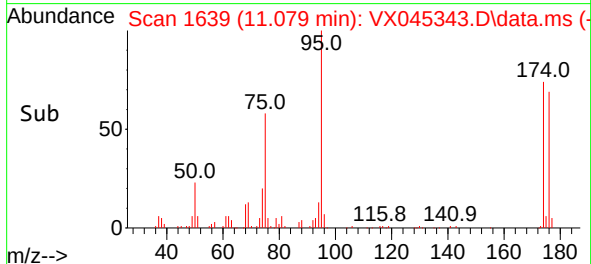
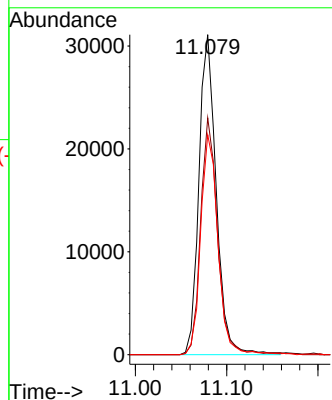
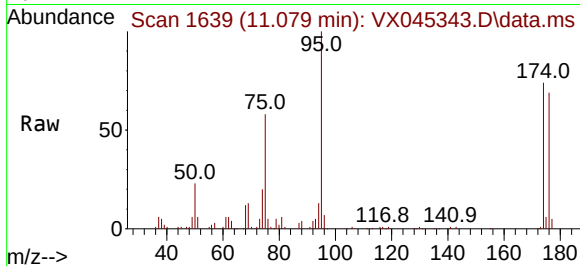




#60
4-Bromofluorobenzene
Concen: 28.367 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

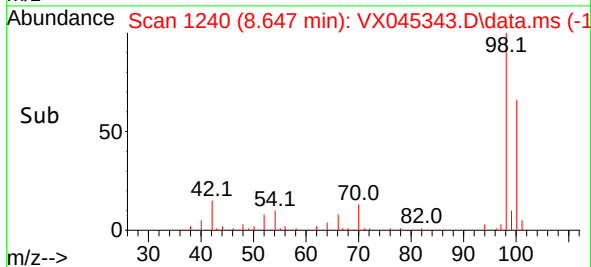
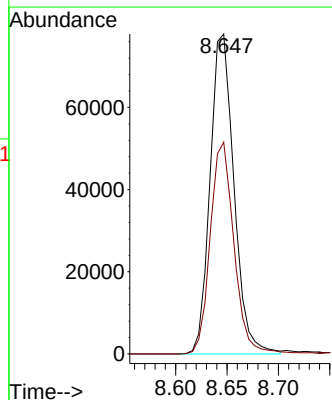
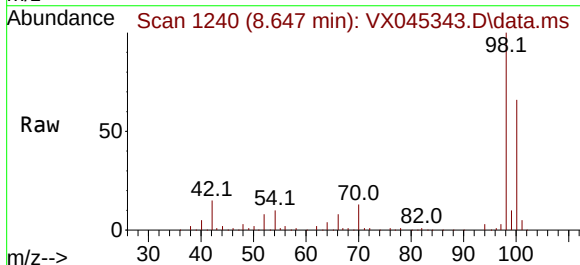
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MSVOA_X
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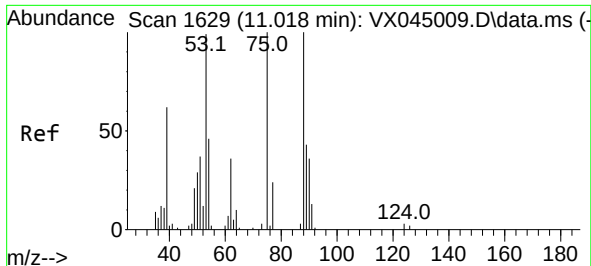
Tgt Ion: 95 Resp: 40882
Ion Ratio Lower Upper
95 100
174 71.4 59.5 89.3
176 67.7 55.5 83.3



#63
Toluene-d8
Concen: 29.464 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

Tgt Ion: 98 Resp: 125682
Ion Ratio Lower Upper
98 100
100 66.0 51.7 77.5

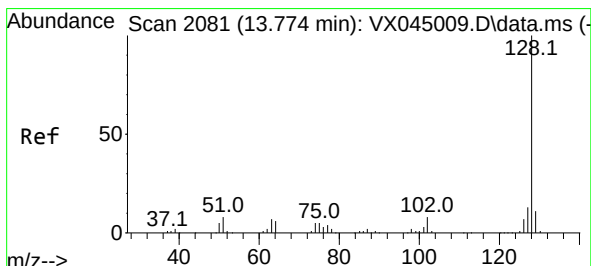
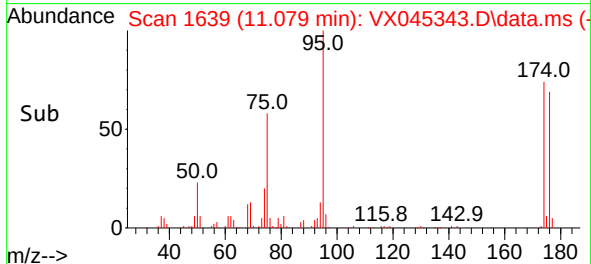
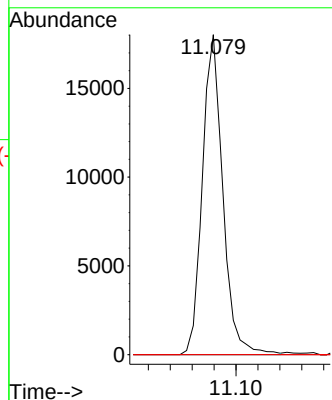
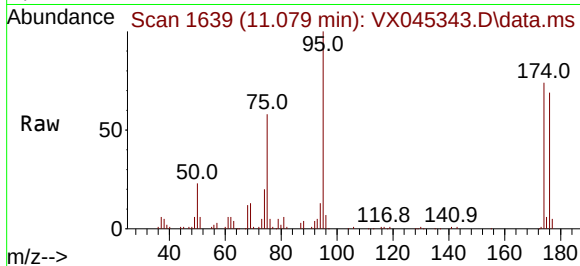




#77
t-1,4-Dichloro-2-butene
Concen: 48.607 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

Instrument :
MSVOA_X
ClientSampleId :
VX0319WBL01

Tgt Ion: 75 Resp: 23333
Ion Ratio Lower Upper
75 100
53 0.0 49.8 149.4#
89 0.0 21.4 64.2#



#91
Naphthalene
Concen: 0.205 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX045343.D
Acq: 19 Mar 2025 12:50

Tgt Ion:128 Resp: 969
Ion Ratio Lower Upper
128 100
127 0.0 10.5 15.7#
129 0.0 8.7 13.1#

