

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045049.D
 Acq On : 26 Feb 2025 12:19
 Operator : JC/MD
 Sample : Q1417-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LRSA-MOD-3

Quant Time: Feb 27 05:13:23 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)

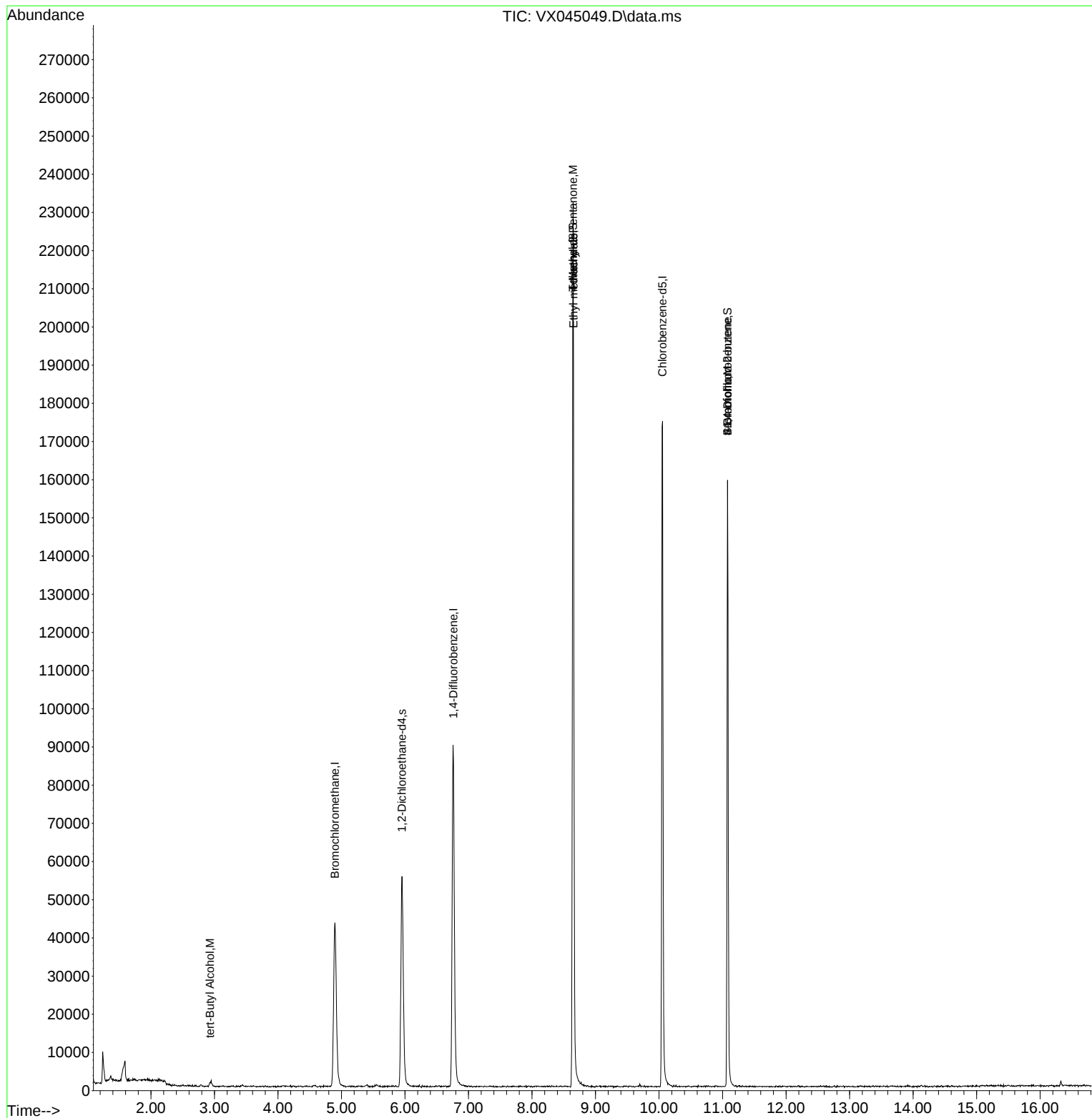
Internal Standards						
1) Bromochloromethane	4.897	128	18086	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.763	114	92687	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	82417	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	51894	29.542	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.467%
60) 4-Bromofluorobenzene	11.079	95	42670	27.699	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.333%
63) Toluene-d8	8.647	98	137789	30.220	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.733%
Target Compounds						
					Qvalue	
23) tert-Butyl Alcohol	2.928	59	566	2.080	ug/l #	100
51) Ethyl methacrylate	8.653	69	441	0.225	ug/l	85
56) Bromoform	11.079	173	303	0.351	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	669	0.357	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	22377	43.611	ug/l #	10

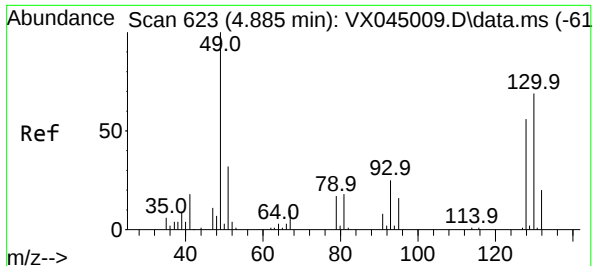
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

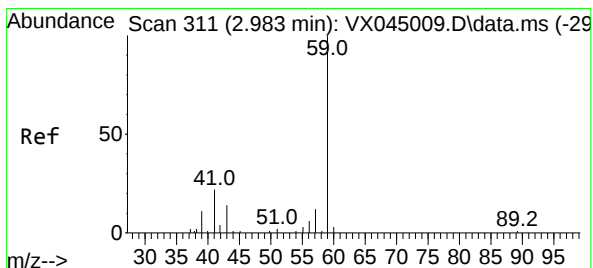
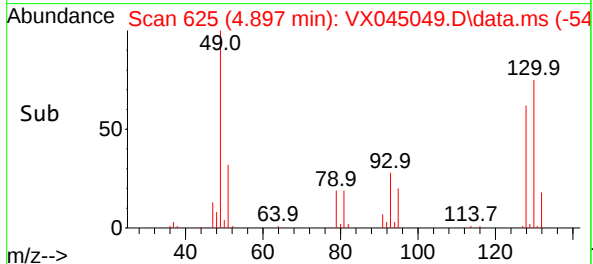
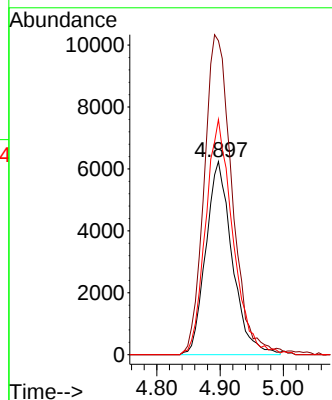
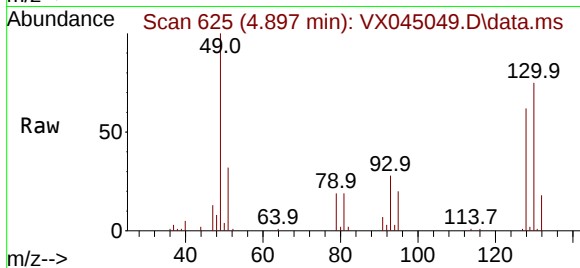




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.897 min Scan# 61
 Delta R.T. 0.012 min
 Lab File: VX045049.D
 Acq: 26 Feb 2025 12:19

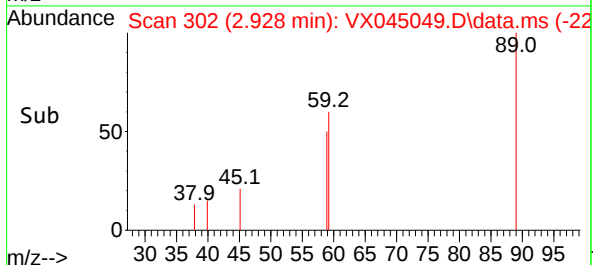
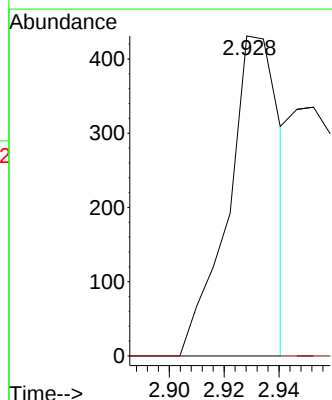
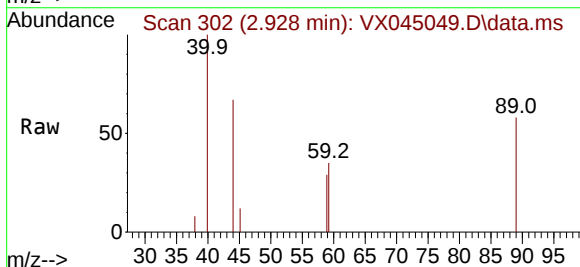
Instrument :
 MSVOA_X
 ClientSampleId :
 LRSA-MOD-3

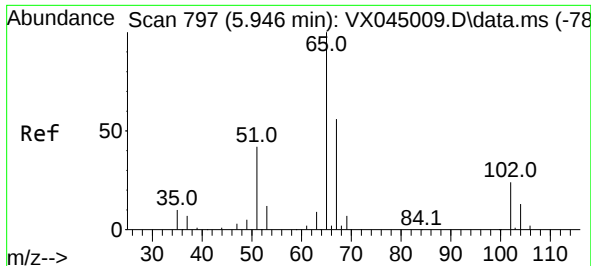
Tgt Ion:	128	Resp:	18086
Ion	Ratio	Lower	Upper
128	100		
49	174.1	0.0	449.7
130	124.8	0.0	312.7



#23
 tert-Butyl Alcohol
 Concen: 2.080 ug/l
 RT: 2.928 min Scan# 302
 Delta R.T. -0.055 min
 Lab File: VX045049.D
 Acq: 26 Feb 2025 12:19

Tgt Ion:	59	Resp:	566
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0





#27

1,2-Dichloroethane-d4

Concen: 29.542 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX045049.D

Acq: 26 Feb 2025 12:19

Instrument :

MSVOA_X

ClientSampleId :

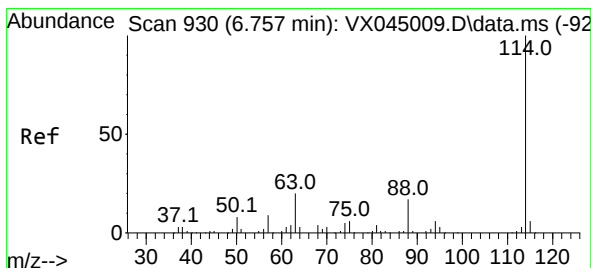
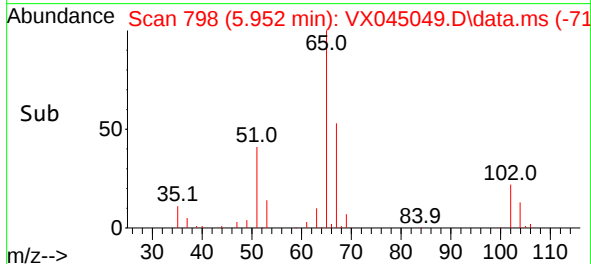
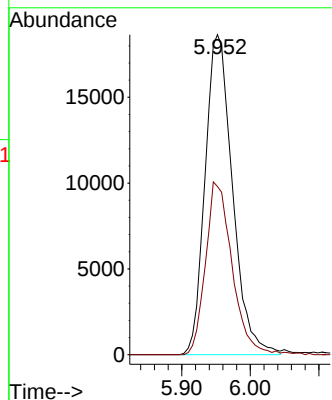
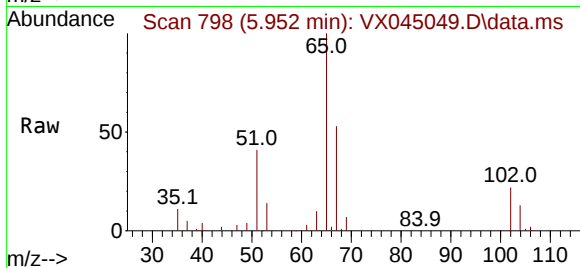
LRSA-MOD-3

Tgt Ion: 65 Resp: 51894

Ion Ratio Lower Upper

65 100

67 52.1 42.6 64.0



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.006 min

Lab File: VX045049.D

Acq: 26 Feb 2025 12:19

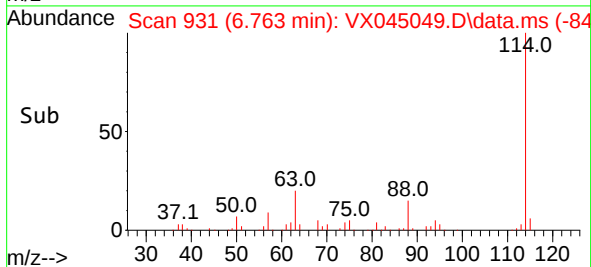
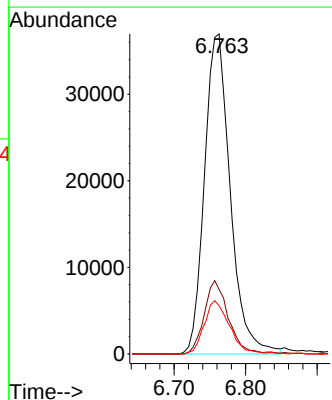
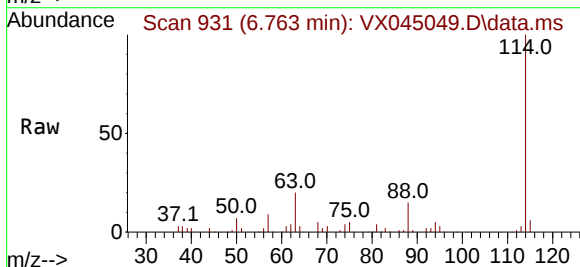
Tgt Ion: 114 Resp: 92687

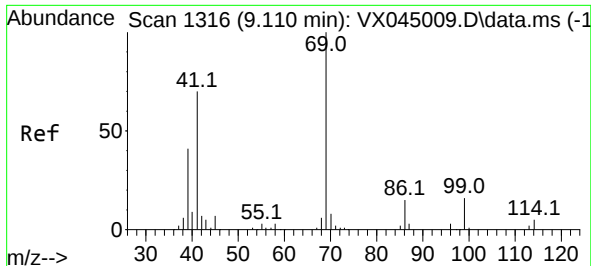
Ion Ratio Lower Upper

114 100

63 21.3 16.8 25.2

88 16.2 12.7 19.1

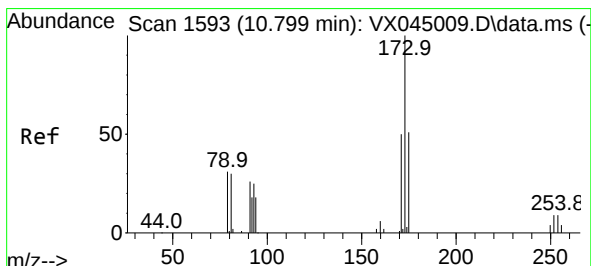
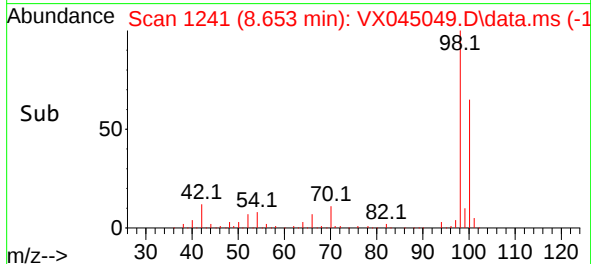
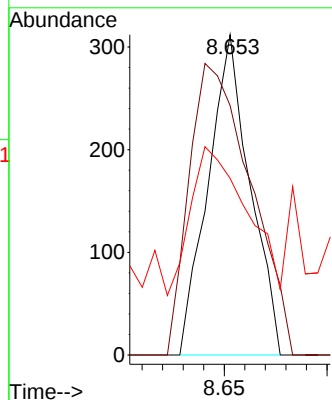
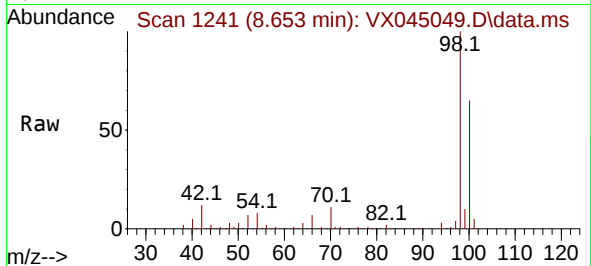




#51
Ethyl methacrylate
Concen: 0.225 ug/l
RT: 8.653 min Scan# 1639
Delta R.T. -0.457 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

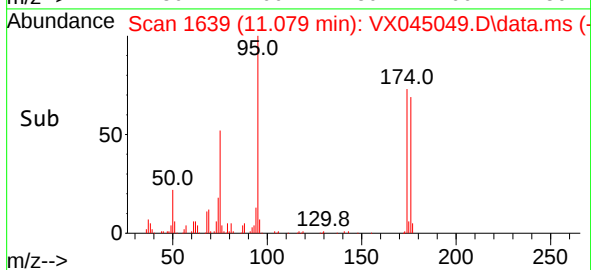
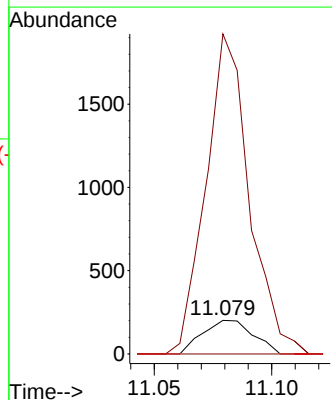
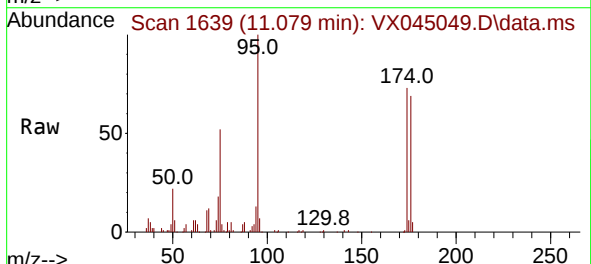
Instrument :
MSVOA_X
ClientSampleId :
LRSA-MOD-3

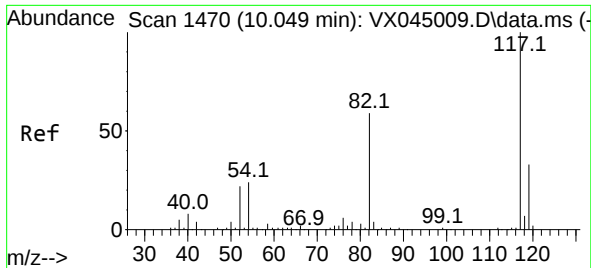
Tgt Ion: 69 Resp: 441
Ion Ratio Lower Upper
69 100
41 56.1 35.1 105.3
39 34.6 20.5 61.6



#56
Bromoform
Concen: 0.351 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.280 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion:173 Resp: 303
Ion Ratio Lower Upper
173 100
175 816.8 39.6 59.4#
254 0.0 6.3 9.5#

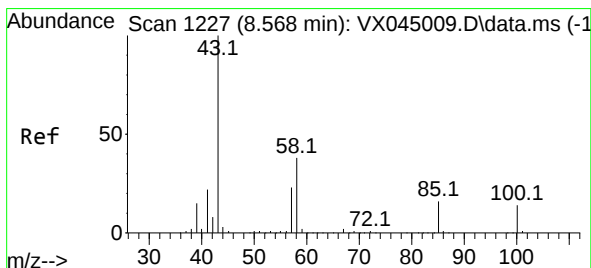
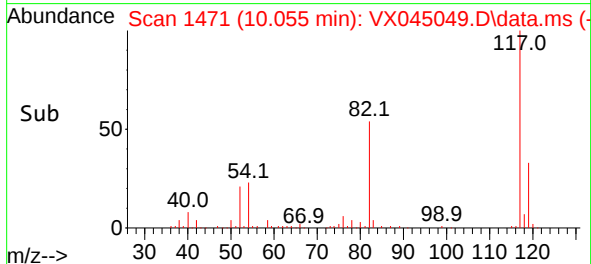
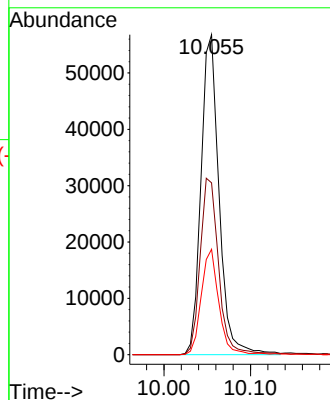
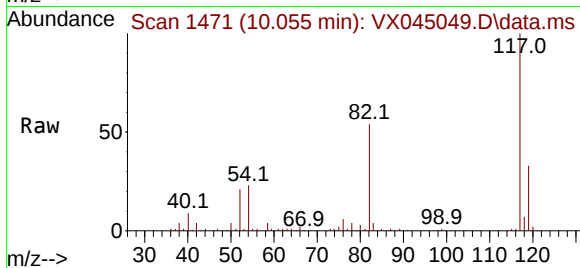




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1470
Delta R.T. 0.006 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

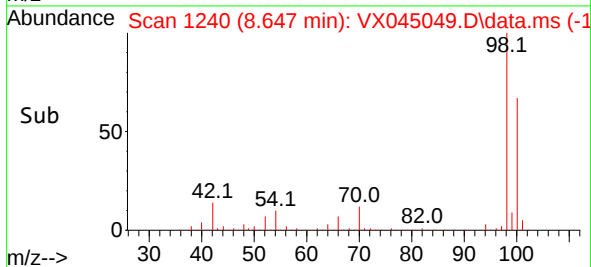
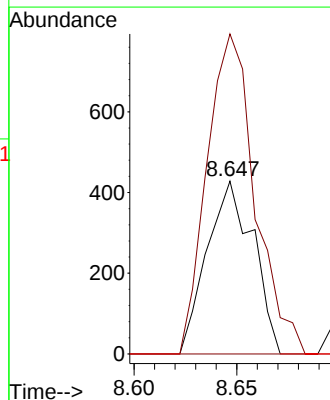
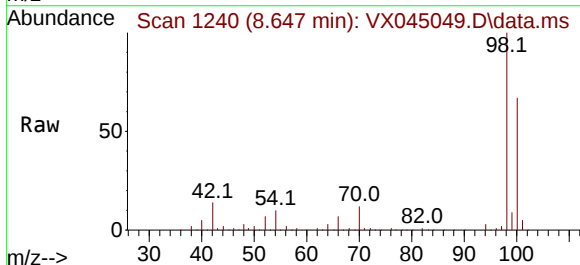
Instrument :
MSVOA_X
ClientSampleId :
LRSA-MOD-3

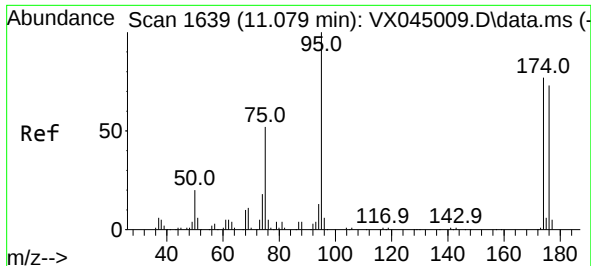
Tgt Ion:117 Resp: 82417
Ion Ratio Lower Upper
117 100
82 56.5 45.8 68.8
119 31.7 25.5 38.3



#58
4-Methyl-2-Pentanone
Concen: 0.357 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.079 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion: 43 Resp: 669
Ion Ratio Lower Upper
43 100
58 193.0 29.5 44.3#
85 0.0 12.9 19.3#

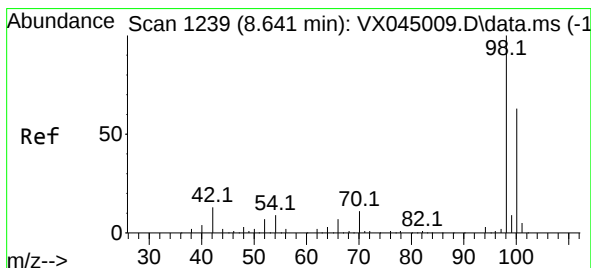
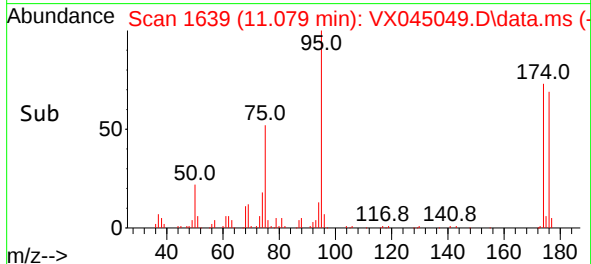
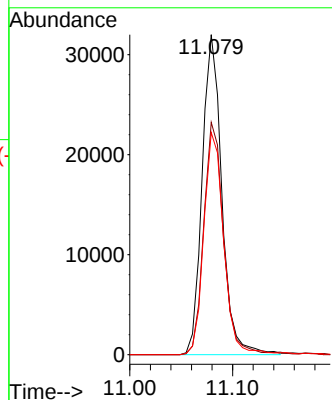
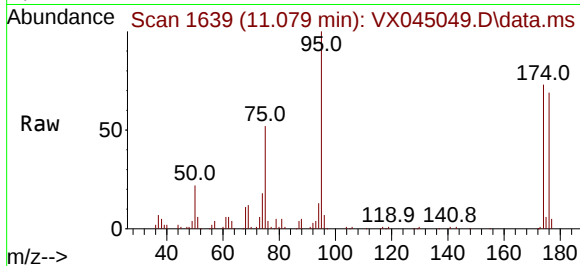




#60
4-Bromofluorobenzene
Concen: 27.699 ug/l
RT: 11.079 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

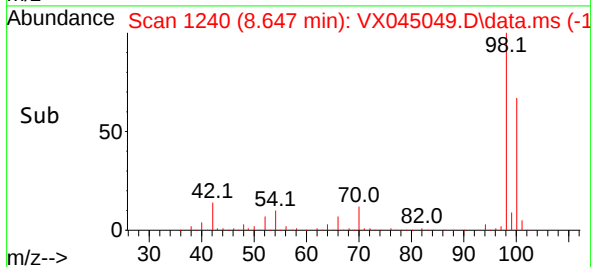
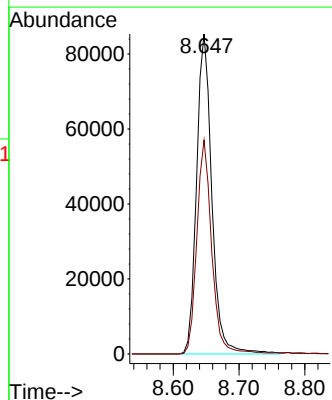
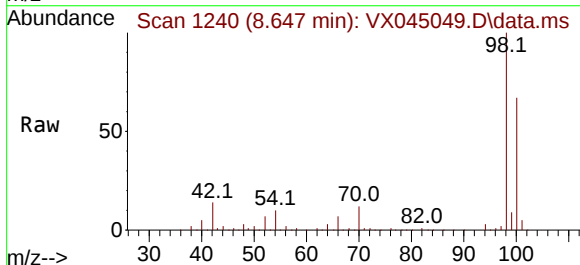
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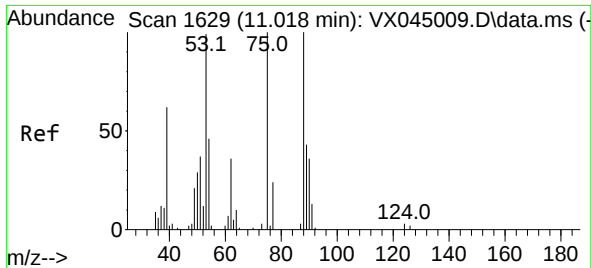
Tgt Ion: 95 Resp: 42670
Ion Ratio Lower Upper
95 100
174 72.7 59.5 89.3
176 69.5 55.5 83.3



#63
Toluene-d8
Concen: 30.220 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.006 min
Lab File: VX045049.D
Acq: 26 Feb 2025 12:19

Tgt Ion: 98 Resp: 137789
Ion Ratio Lower Upper
98 100
100 65.1 51.7 77.5





#77

t-1,4-Dichloro-2-butene

Concen: 43.611 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX045049.D

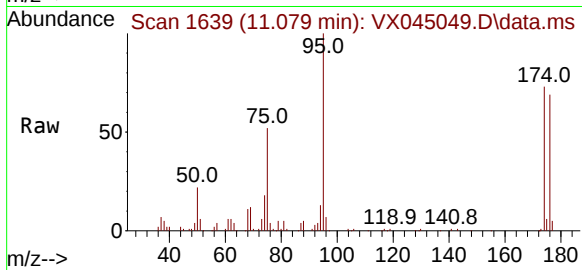
Acq: 26 Feb 2025 12:19

Instrument :

MSVOA_X

ClientSampleId :

LRSA-MOD-3



Tgt Ion: 75 Resp: 22377

Ion Ratio Lower Upper

75 100

53 0.0 49.8 149.4#

89 0.0 21.4 64.2#

