

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX022625\
 Data File : VX045050.D
 Acq On : 26 Feb 2025 12:43
 Operator : JC/MD
 Sample : Q1417-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 LRSA-MOD-1

Quant Time: Feb 27 05:13:40 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)

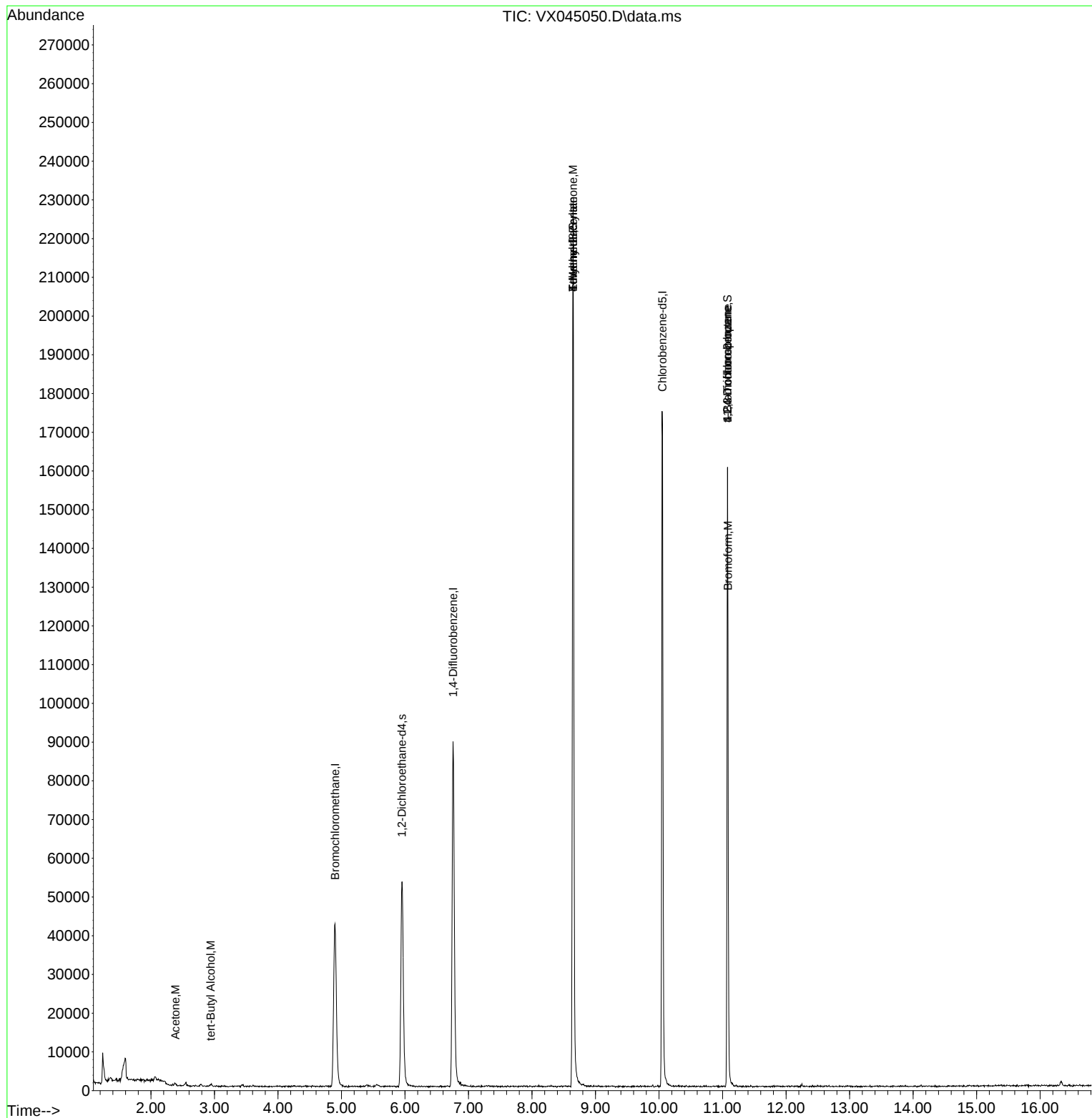
Internal Standards						
1) Bromochloromethane	4.898	128	17703	30.000	ug/l	0.01
28) 1,4-Difluorobenzene	6.757	114	91187	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	83001	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	49803	28.965	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.567%
60) 4-Bromofluorobenzene	11.079	95	41345	26.650	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	88.833%
63) Toluene-d8	8.647	98	134136	29.212	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.367%
Target Compounds						
					Qvalue	
15) Acetone	2.386	58	164	0.784	ug/l #	63
23) tert-Butyl Alcohol	2.941	59	307	1.153	ug/l #	100
51) Ethyl methacrylate	8.647	69	563	0.292	ug/l	89
56) Bromoform	11.085	173	332	0.391	ug/l #	1
58) 4-Methyl-2-Pentanone	8.647	43	760	0.403	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	22250	14.487	ug/l	35
77) t-1,4-Dichloro-2-butene	11.079	75	22250	43.058	ug/l #	10

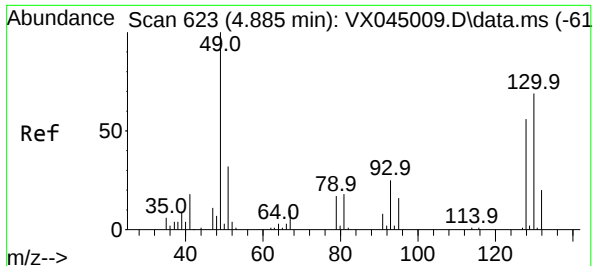
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 27 05:13:40 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

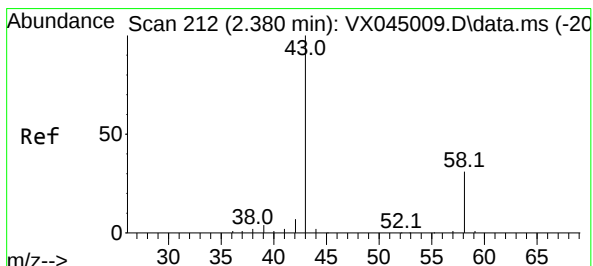
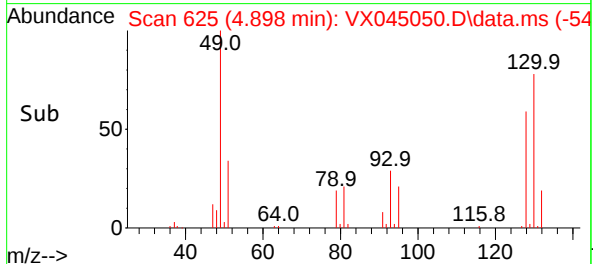
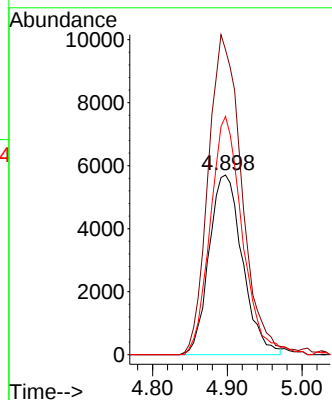
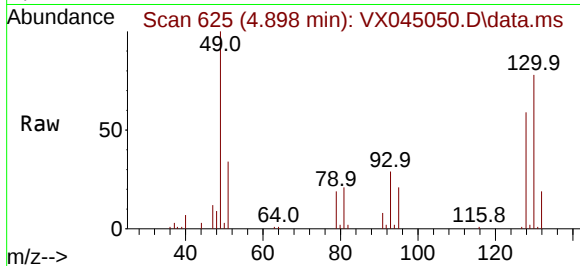




#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.898 min Scan# 61
 Delta R.T. 0.013 min
 Lab File: VX045050.D
 Acq: 26 Feb 2025 12:43

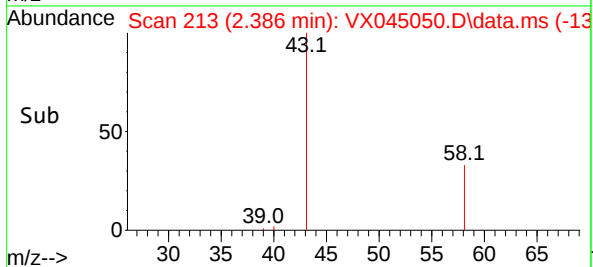
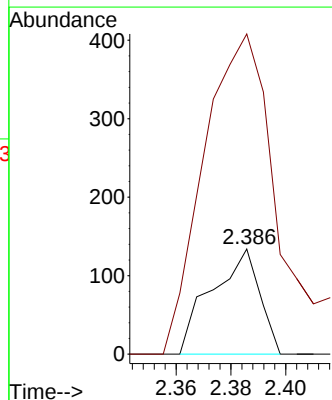
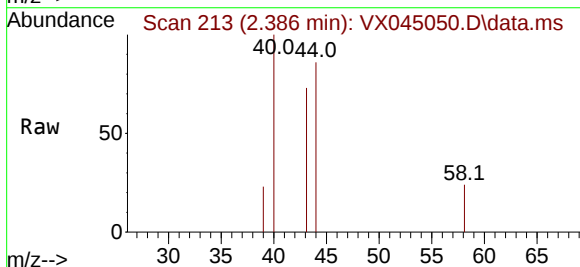
Instrument :
 MSVOA_X
 ClientSampleId :
 LRSA-MOD-1

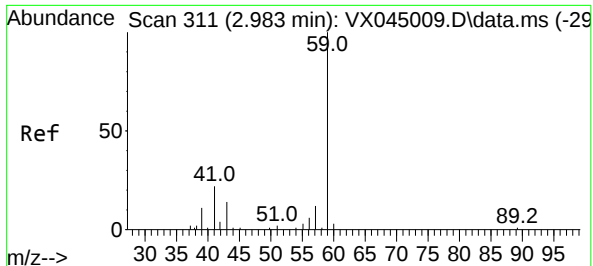
Tgt Ion:	128	Resp:	17703
Ion	Ratio	Lower	Upper
128	100		
49	179.2	0.0	449.7
130	127.8	0.0	312.7



#15
 Acetone
 Concen: 0.784 ug/l
 RT: 2.386 min Scan# 213
 Delta R.T. 0.006 min
 Lab File: VX045050.D
 Acq: 26 Feb 2025 12:43

Tgt Ion:	58	Resp:	164
Ion	Ratio	Lower	Upper
58	100		
43	246.3	258.6	388.0#

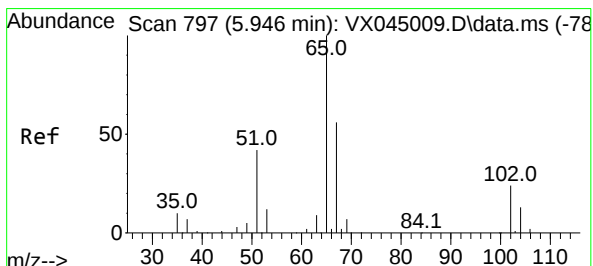
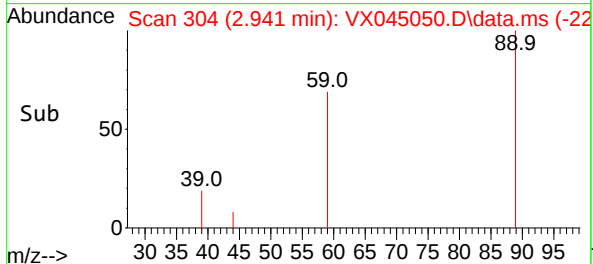
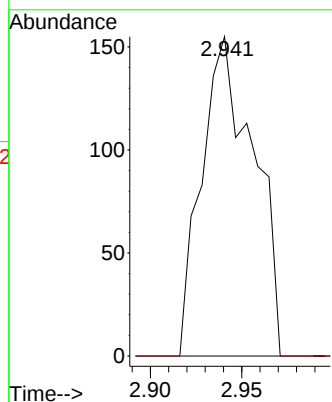
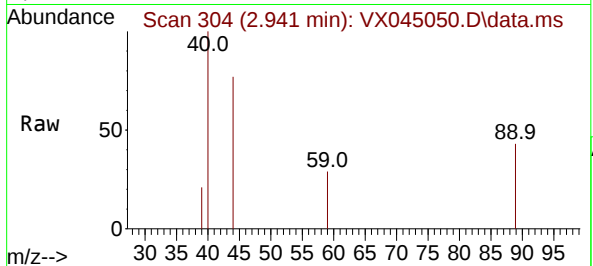




#23
tert-Butyl Alcohol
Concen: 1.153 ug/l
RT: 2.941 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

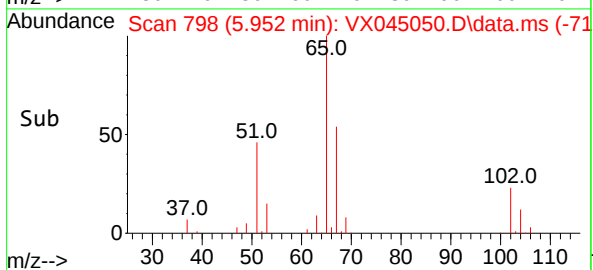
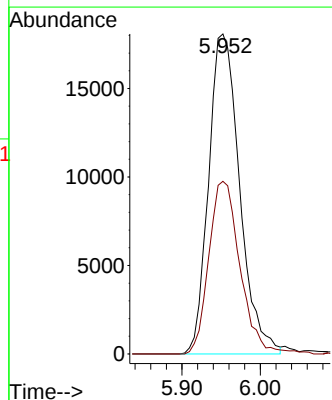
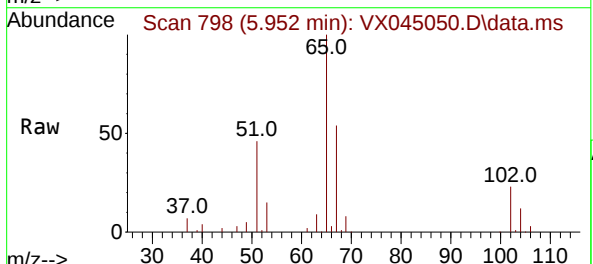
Instrument :
MSVOA_X
ClientSampleId :
LRSA-MOD-1

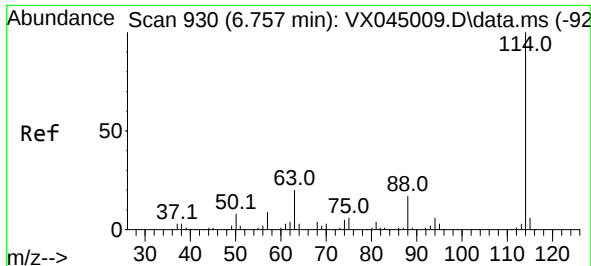
Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
52 0.0 0.0 0.0



#27
1,2-Dichloroethane-d4
Concen: 28.965 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 65 Resp: 49803
Ion Ratio Lower Upper
65 100
67 54.2 42.6 64.0

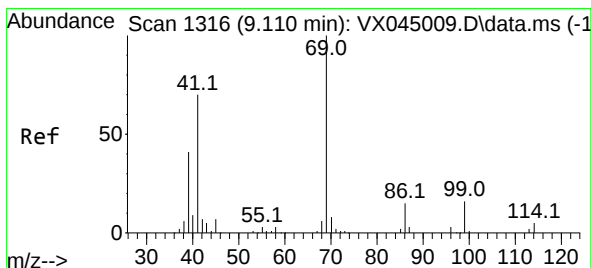
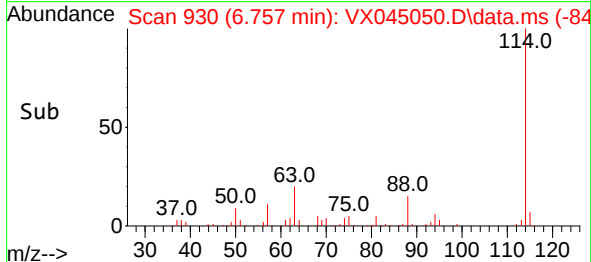
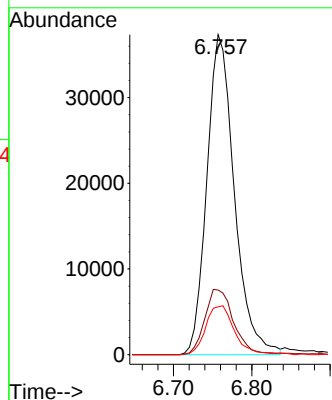
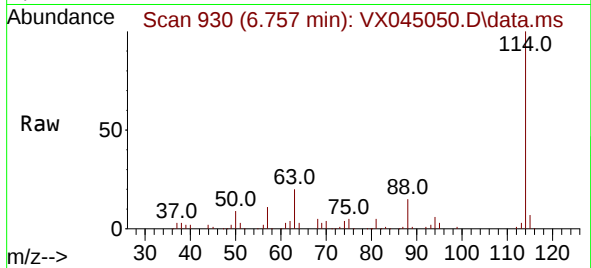




#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 911
 Delta R.T. -0.000 min
 Lab File: VX045050.D
 Acq: 26 Feb 2025 12:43

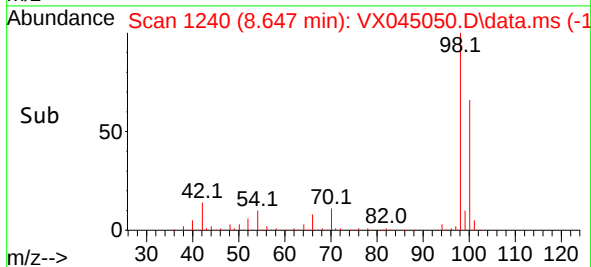
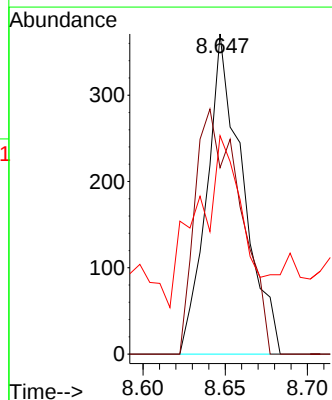
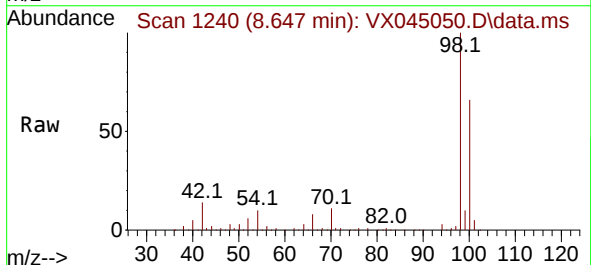
Instrument :
 MSVOA_X
 ClientSampleId :
 LRSA-MOD-1

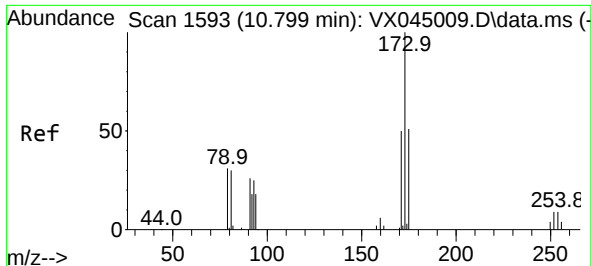
Tgt Ion:114 Resp: 91187
 Ion Ratio Lower Upper
 114 100
 63 21.4 16.8 25.2
 88 15.8 12.7 19.1



#51
 Ethyl methacrylate
 Concen: 0.292 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. -0.463 min
 Lab File: VX045050.D
 Acq: 26 Feb 2025 12:43

Tgt Ion: 69 Resp: 563
 Ion Ratio Lower Upper
 69 100
 41 58.2 35.1 105.3
 39 43.4 20.5 61.6

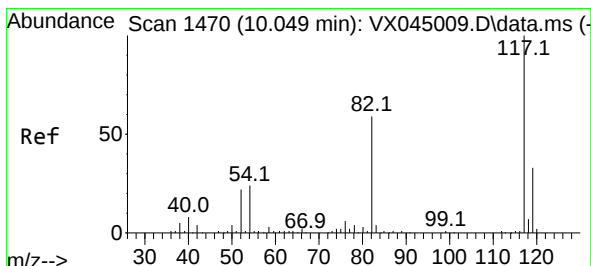
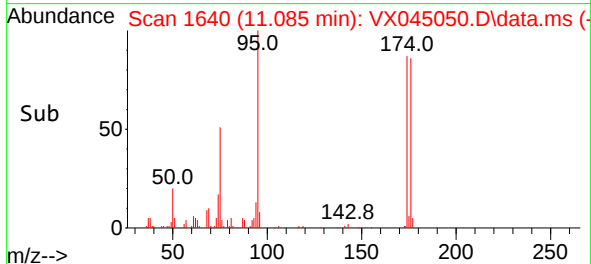
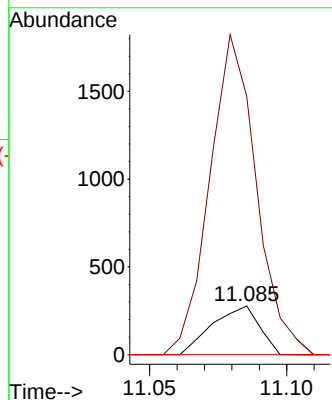
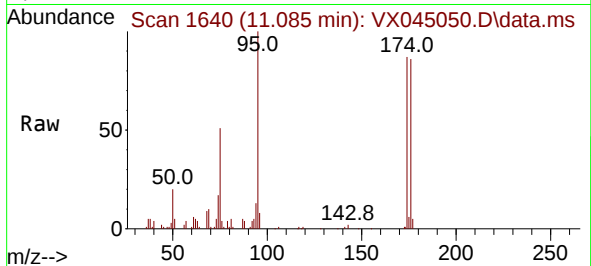




#56
Bromoform
Concen: 0.391 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.286 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

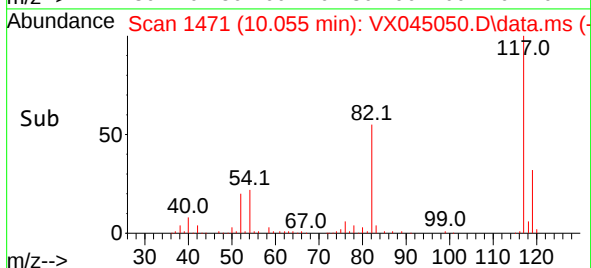
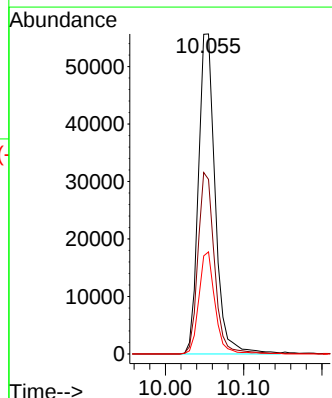
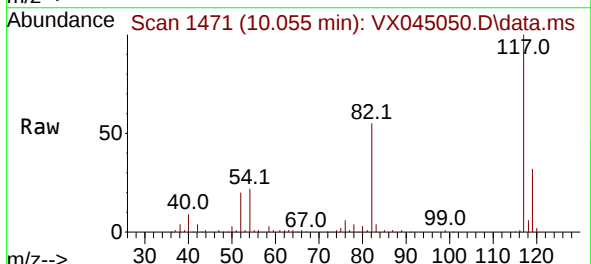
Instrument :
MSVOA_X
ClientSampleId :
LRSA-MOD-1

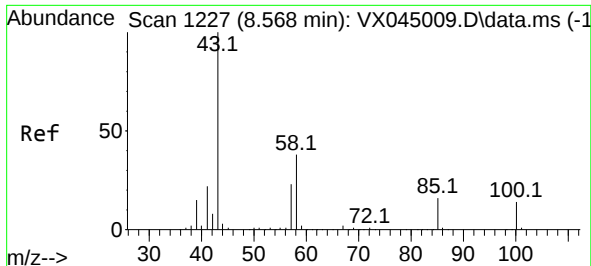
Tgt Ion:173 Resp: 332
Ion Ratio Lower Upper
173 100
175 650.0 39.6 59.4#
254 0.0 6.3 9.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion:117 Resp: 83001
Ion Ratio Lower Upper
117 100
82 55.6 45.8 68.8
119 30.2 25.5 38.3

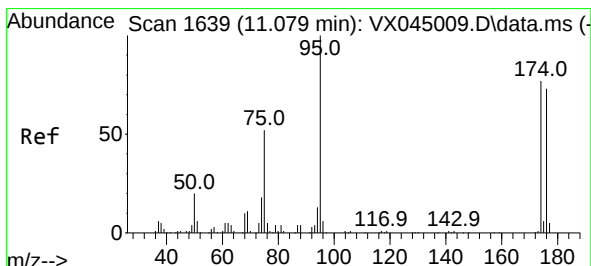
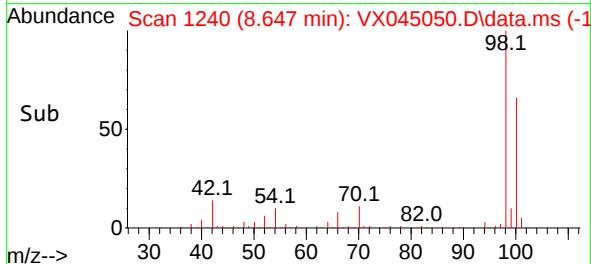
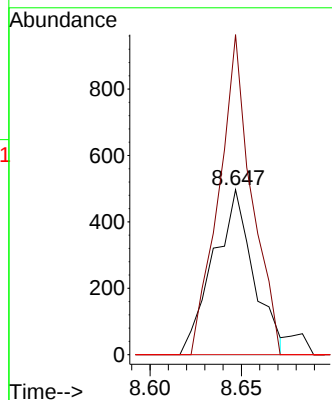
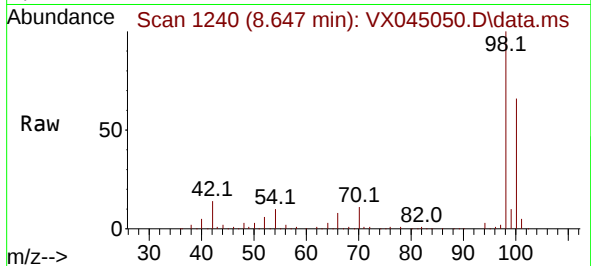




#58
4-Methyl-2-Pentanone
Concen: 0.403 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.079 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

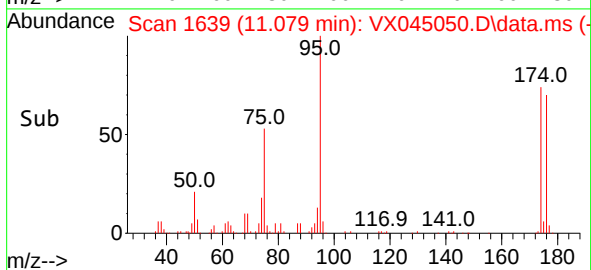
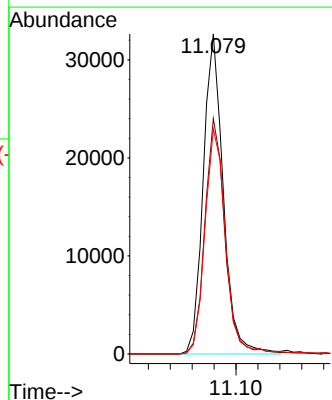
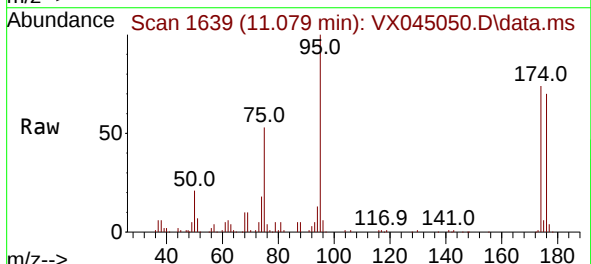
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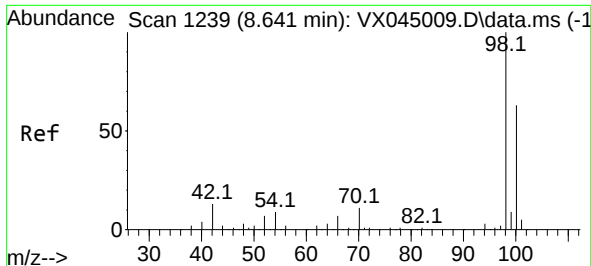
Tgt Ion: 43 Resp: 760
Ion Ratio Lower Upper
43 100
58 158.7 29.5 44.3#
85 0.0 12.9 19.3#



#60
4-Bromofluorobenzene
Concen: 26.650 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 95 Resp: 41345
Ion Ratio Lower Upper
95 100
174 73.5 59.5 89.3
176 71.8 55.5 83.3

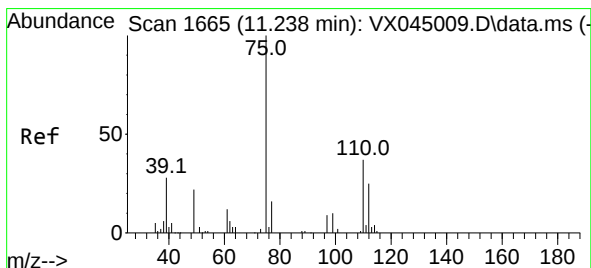
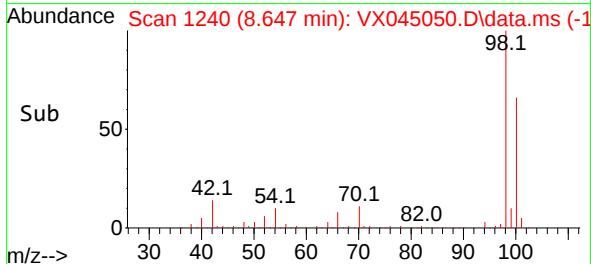
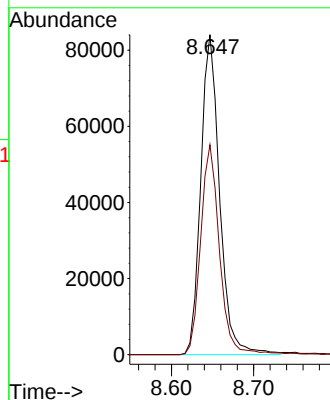
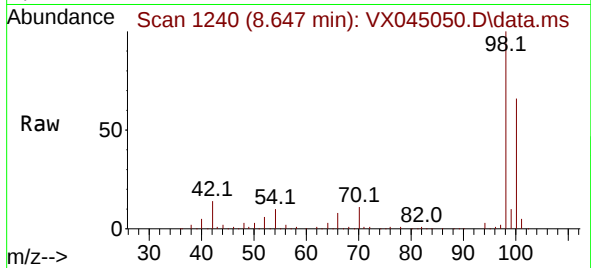




#63
Toluene-d8
Concen: 29.212 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

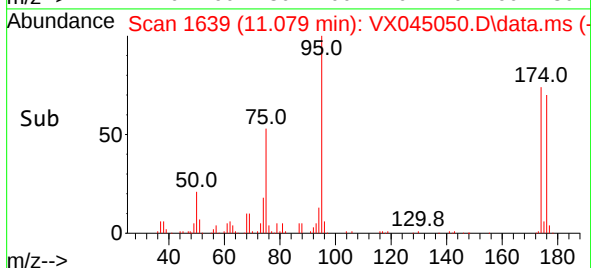
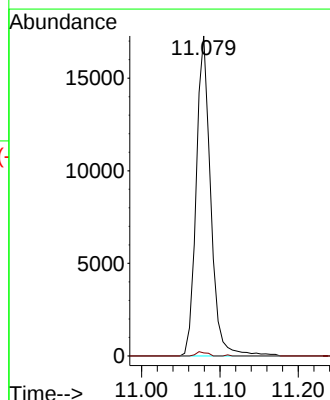
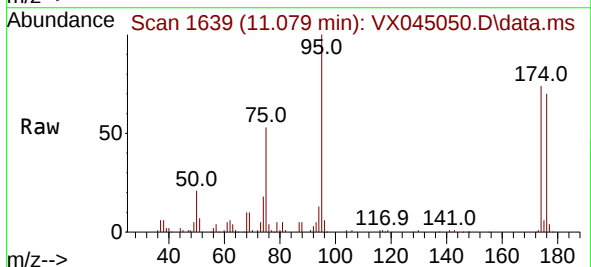
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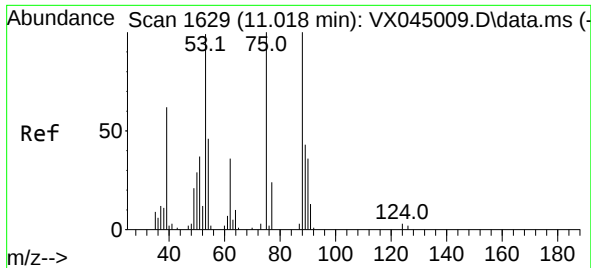
Tgt Ion: 98 Resp: 134136
Ion Ratio Lower Upper
98 100
100 65.0 51.7 77.5



#72
1,2,3-Trichloropropane
Concen: 14.487 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045050.D
Acq: 26 Feb 2025 12:43

Tgt Ion: 75 Resp: 22250
Ion Ratio Lower Upper
75 100
77 1.0 0.0 84.0





#77

t-1,4-Dichloro-2-butene

Concen: 43.058 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.061 min

Lab File: VX045050.D

Acq: 26 Feb 2025 12:43

Instrument :

MSVOA_X

ClientSampleId :

LRSA-MOD-1

Tgt Ion: 75 Resp: 22250

Ion Ratio Lower Upper

75 100

53 0.0 49.8 149.4#

89 0.0 21.4 64.2#

