

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
 Data File : VX044865.D
 Acq On : 07 Feb 2025 13:48
 Operator : JC/MD
 Sample : Q1322-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MANHOLE

Quant Time: Feb 07 22:15:18 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X011625W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Jan 17 01:21:41 2025
 Response via : Initial Calibration

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

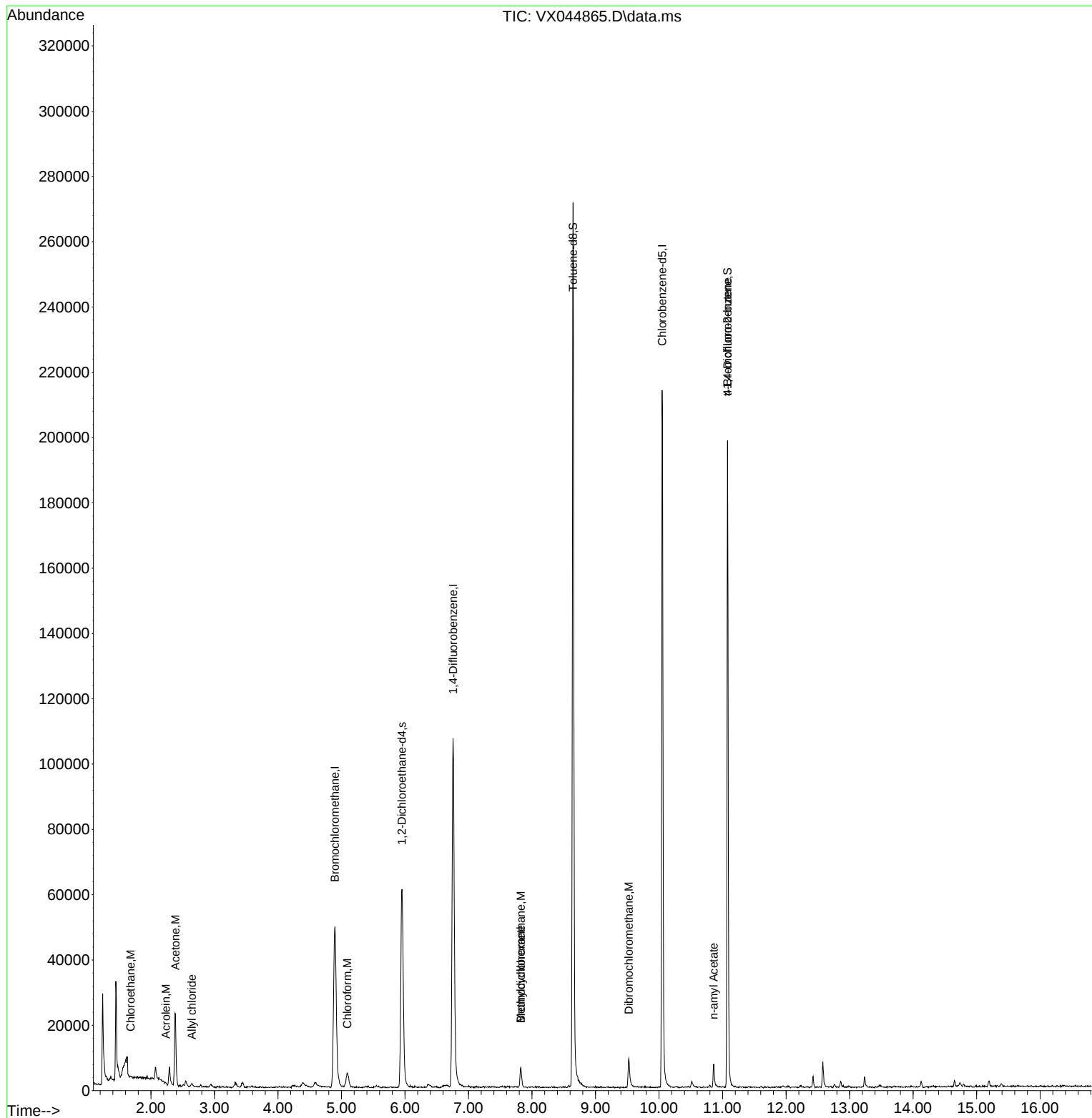
Internal Standards						
1) Bromochloromethane	4.898	128	20788	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	113802	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.049	117	102149	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	58371	29.086	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.967%
60) 4-Bromofluorobenzene	11.079	95	53540	26.985	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.933%
63) Toluene-d8	8.647	98	164867	29.674	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.900%
Target Compounds						
					Qvalue	
6) Chloroethane	1.679	64	138	0.458	ug/l	96
13) Acrolein	2.233	56	575	2.319	ug/l	98
15) Acetone	2.386	58	8273	37.744	ug/l	85
17) Allyl chloride	2.642	41	1104	0.399	ug/l #	35
25) Chloroform	5.093	83	5410	1.826	ug/l	85
38) Methylcyclohexane	7.824	83	3999	1.487	ug/l #	18
41) Bromodichloromethane	7.824	83	4224	1.747	ug/l	90
47) n-amyl Acetate	10.860	43	1270	0.395	ug/l #	1
53) Dibromochloromethane	9.525	129	3185	1.768	ug/l	95
77) t-1,4-Dichloro-2-butene	11.079	75	27556	30.252	ug/l #	13

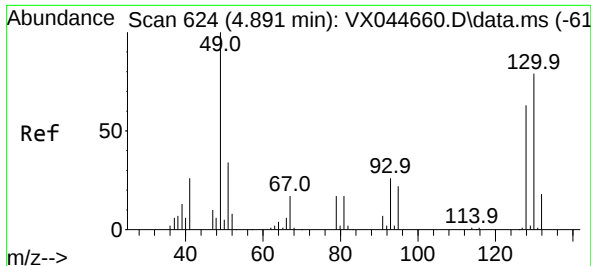
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX020725\
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MANHOLE

Quant Time: Feb 07 22:15:18 2025
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Jan 17 01:21:41 2025
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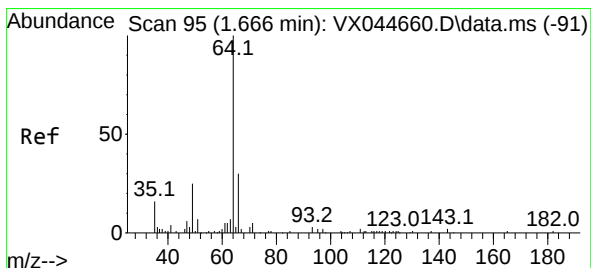
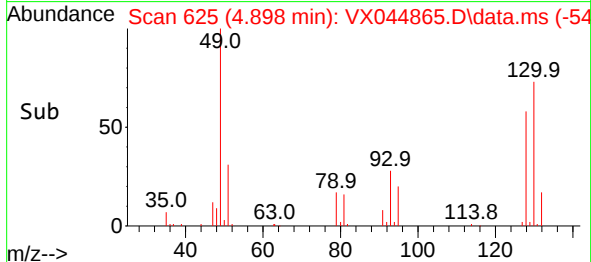
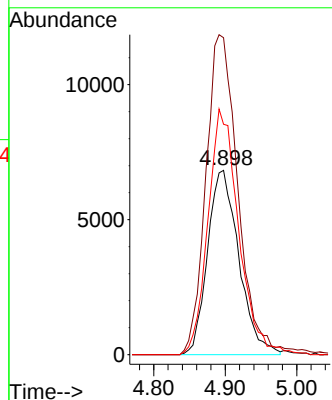
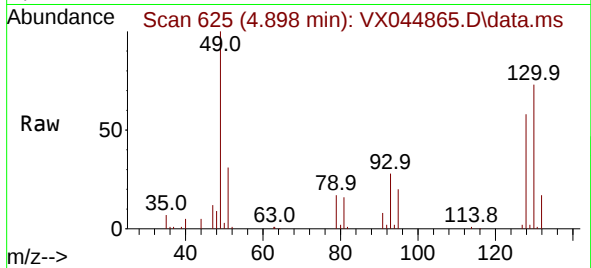




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.898 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

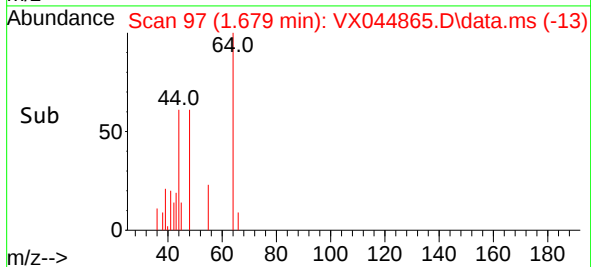
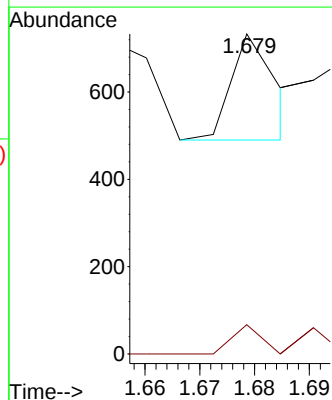
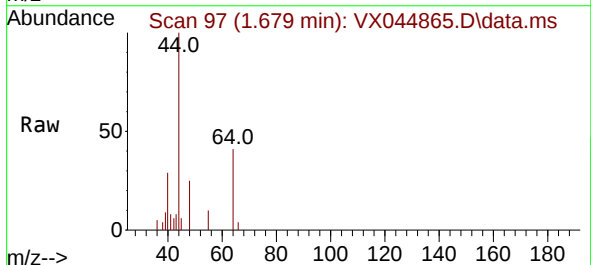
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

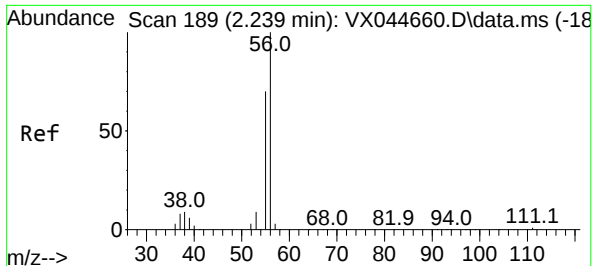
Tgt Ion:128 Resp: 20788
Ion Ratio Lower Upper
128 100
49 175.4 0.0 411.5
130 128.3 0.0 324.3



#6
Chloroethane
Concen: 0.458 ug/l
RT: 1.679 min Scan# 97
Delta R.T. 0.012 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 64 Resp: 138
Ion Ratio Lower Upper
64 100
66 27.6 23.8 35.6

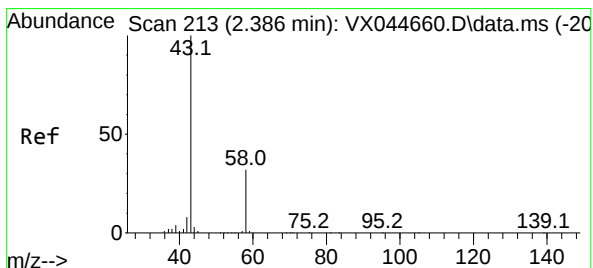
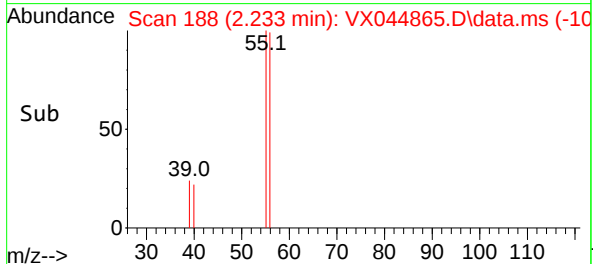
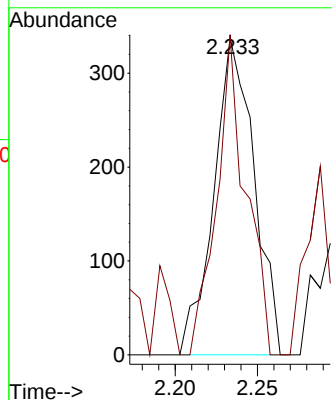
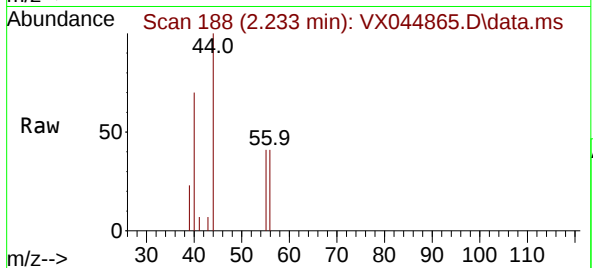




#13
Acrolein
Concen: 2.319 ug/l
RT: 2.233 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

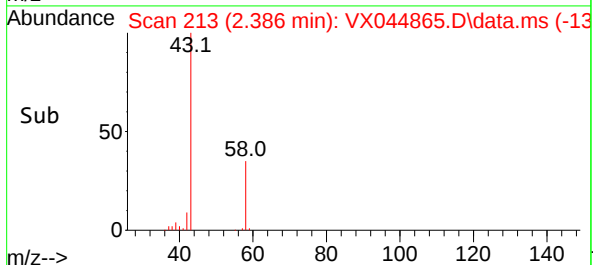
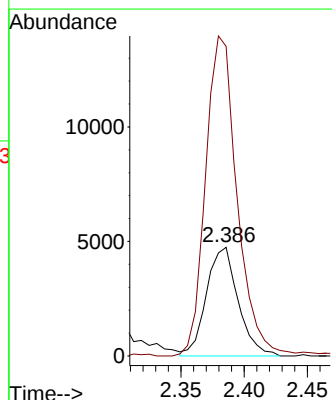
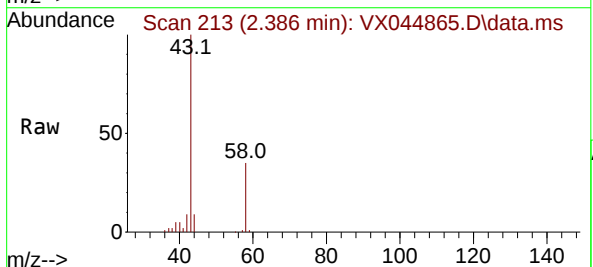
Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

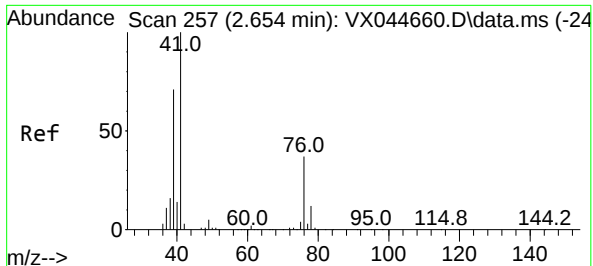
Tgt Ion: 56 Resp: 575
Ion Ratio Lower Upper
56 100
55 73.9 57.5 86.3



#15
Acetone
Concen: 37.744 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 58 Resp: 8273
Ion Ratio Lower Upper
58 100
43 283.1 251.0 376.4





#17

Allyl chloride

Concen: 0.399 ug/l

RT: 2.642 min Scan# 21

Delta R.T. -0.012 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

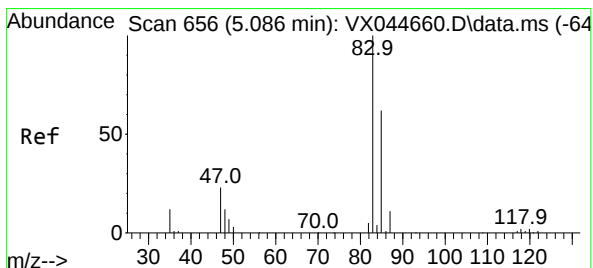
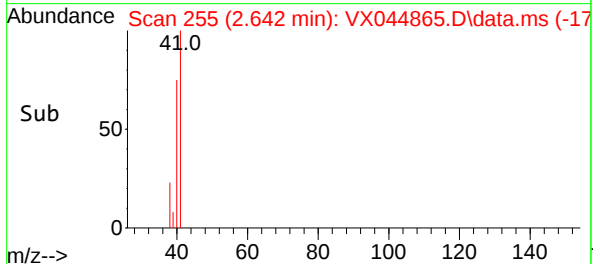
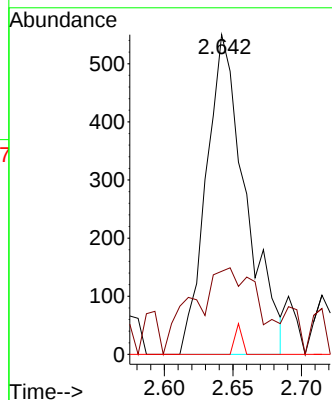
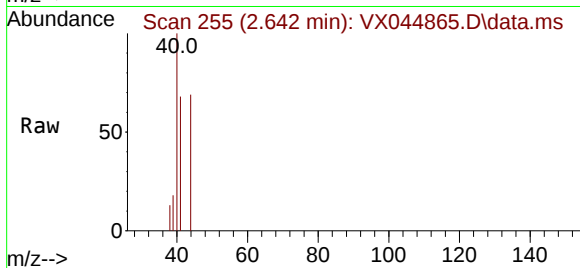
Tgt Ion: 41 Resp: 1104

Ion Ratio Lower Upper

41 100

39 16.4 35.6 106.8#

76 0.0 18.9 56.5#



#25

Chloroform

Concen: 1.826 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044865.D

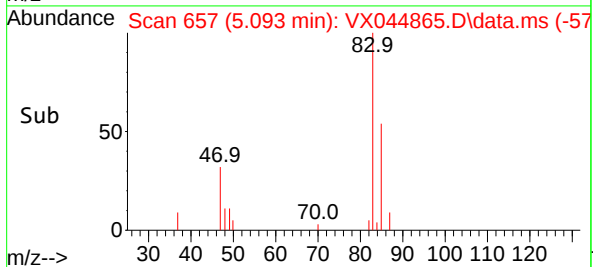
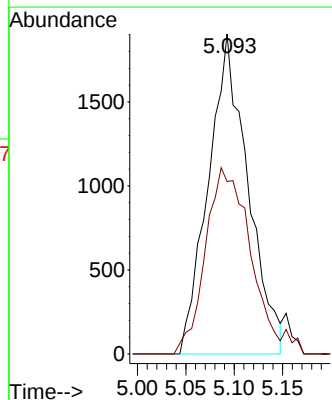
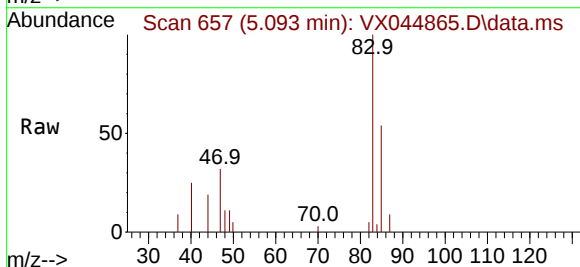
Acq: 07 Feb 2025 13:48

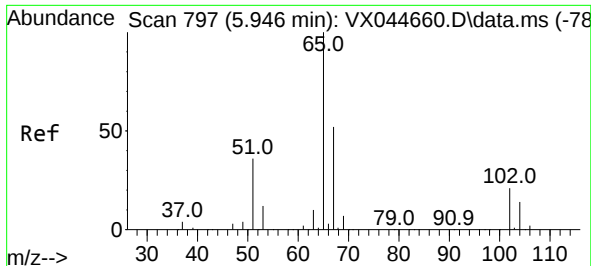
Tgt Ion: 83 Resp: 5410

Ion Ratio Lower Upper

83 100

85 50.6 49.4 74.2





#27

1,2-Dichloroethane-d4

Concen: 29.086 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

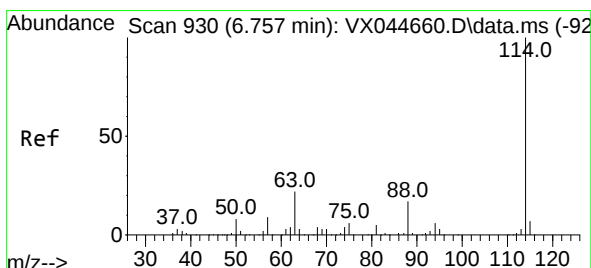
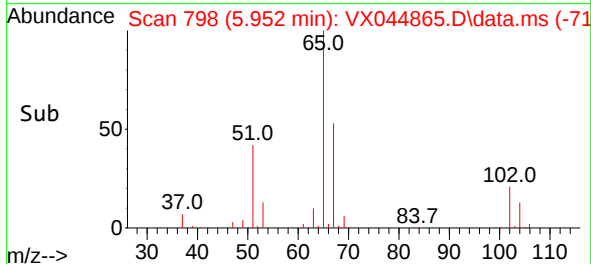
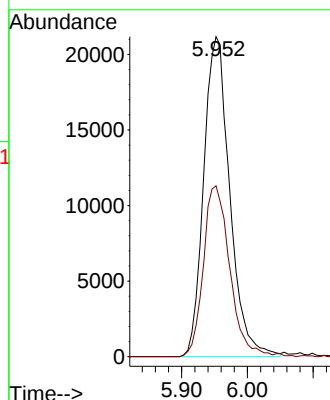
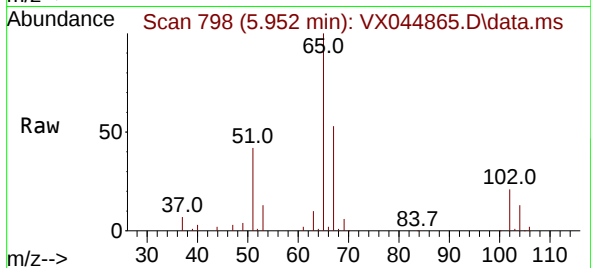
MANHOLE

Tgt Ion: 65 Resp: 58371

Ion Ratio Lower Upper

65 100

67 53.8 41.4 62.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

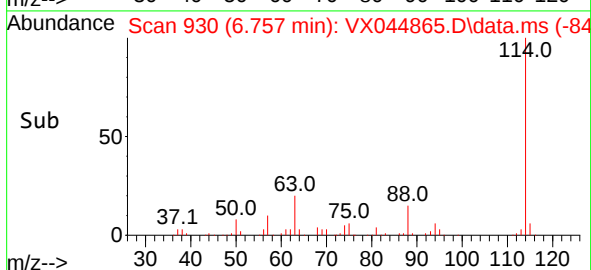
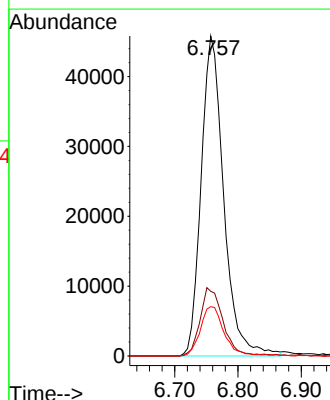
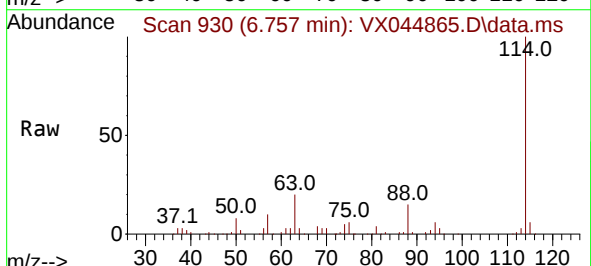
Tgt Ion: 114 Resp: 113802

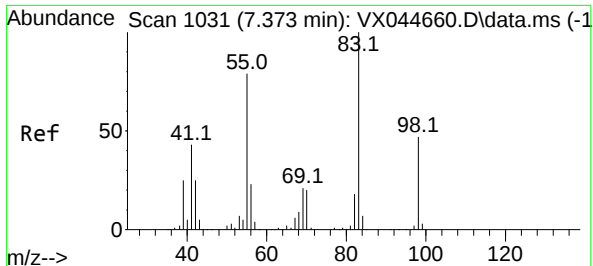
Ion Ratio Lower Upper

114 100

63 21.5 16.6 24.8

88 16.0 13.4 20.2





#38

Methylcyclohexane

Concen: 1.487 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.451 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

Instrument :

MSVOA_X

ClientSampleId :

MANHOLE

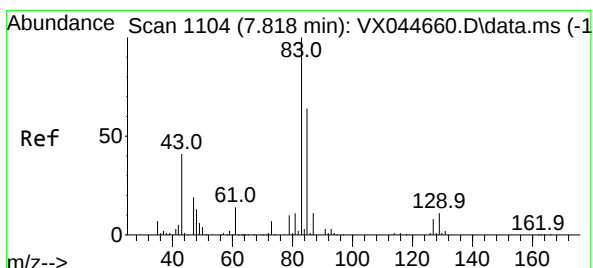
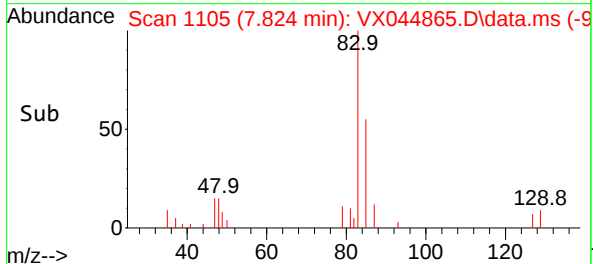
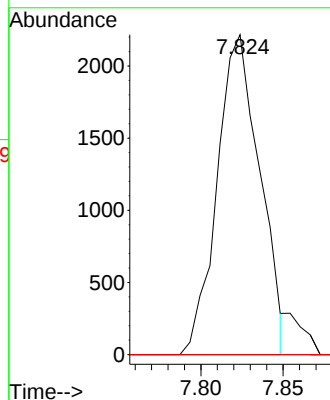
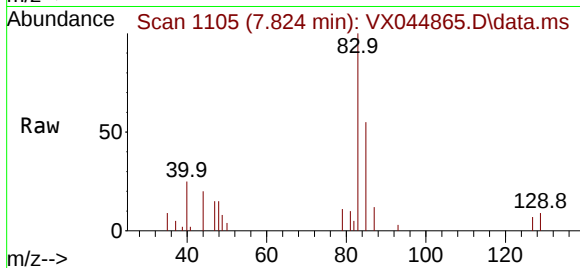
Tgt Ion: 83 Resp: 3999

Ion Ratio Lower Upper

83 100

55 0.0 38.4 115.2#

98 0.0 24.4 73.4#



#41

Bromodichloromethane

Concen: 1.747 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.006 min

Lab File: VX044865.D

Acq: 07 Feb 2025 13:48

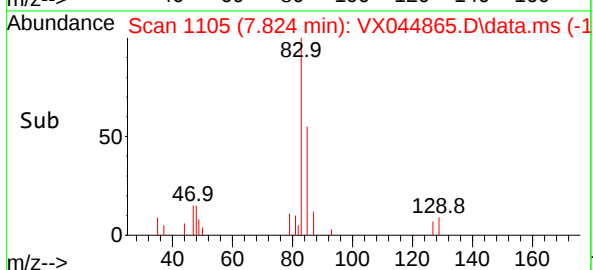
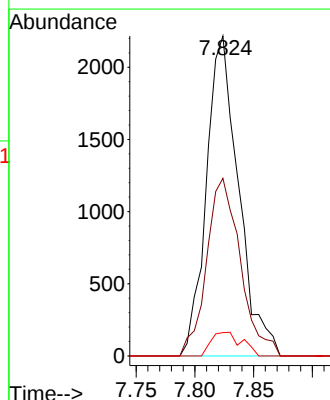
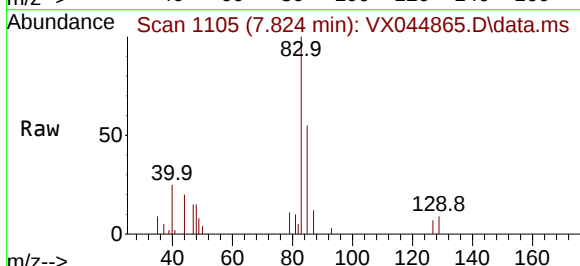
Tgt Ion: 83 Resp: 4224

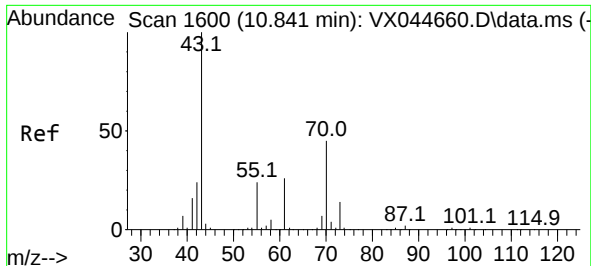
Ion Ratio Lower Upper

83 100

85 55.5 50.9 76.3

127 7.3 6.5 9.7

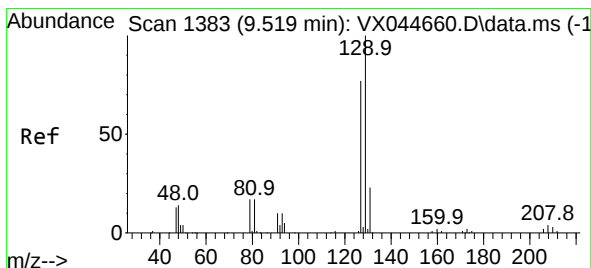
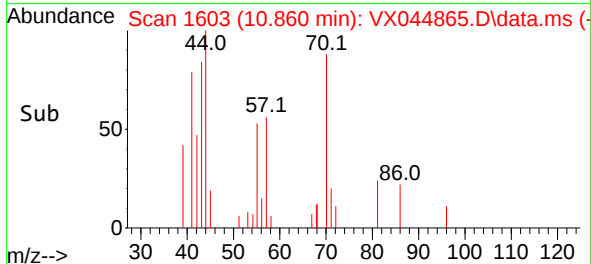
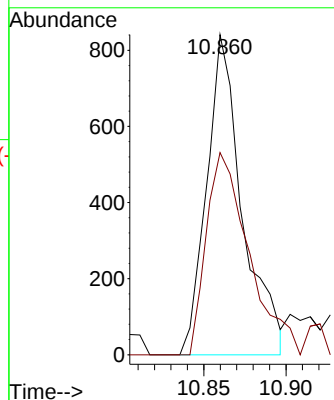
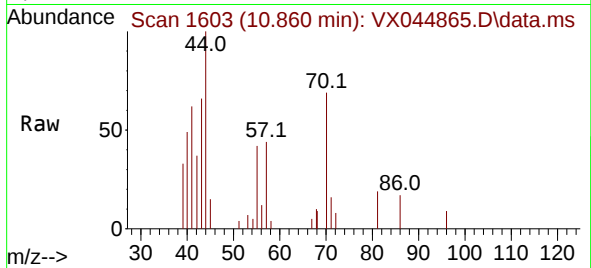




#47
n-amyl acetate
Concen: 0.395 ug/l
RT: 10.860 min Scan# 1603
Delta R.T. 0.018 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

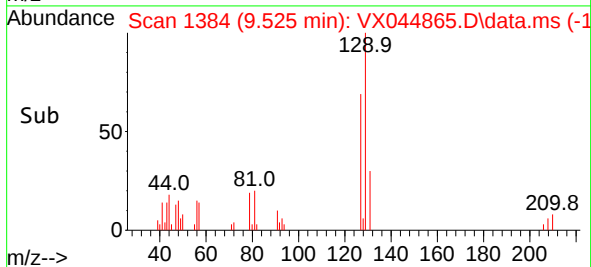
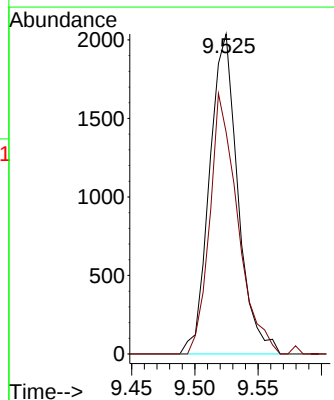
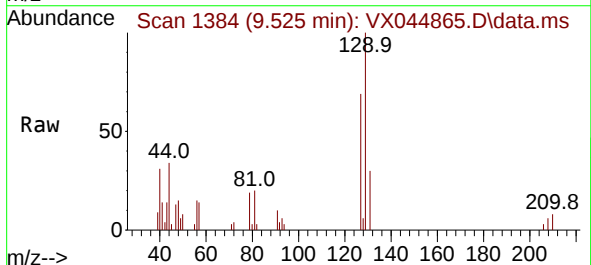
Instrument :
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ClientSampleId :
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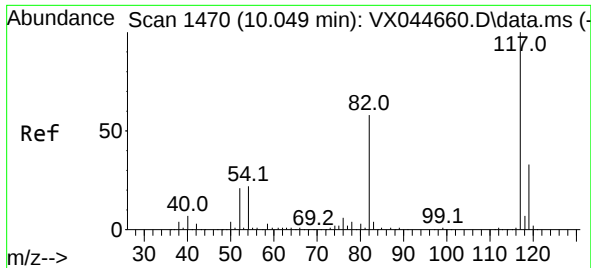
Tgt Ion: 43 Resp: 1270
Ion Ratio Lower Upper
43 100
55 75.3 18.9 28.3#



#53
Dibromochloromethane
Concen: 1.768 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 129 Resp: 3185
Ion Ratio Lower Upper
129 100
127 80.0 37.8 113.4

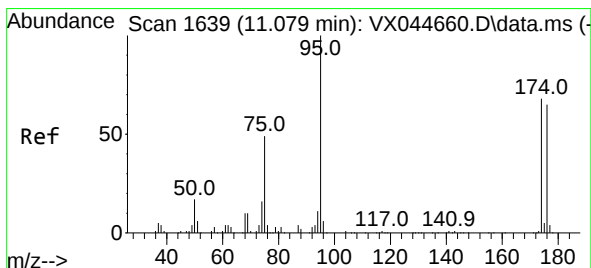
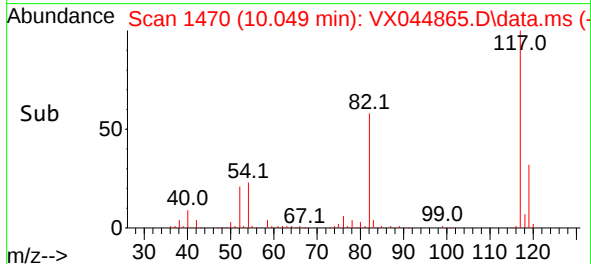
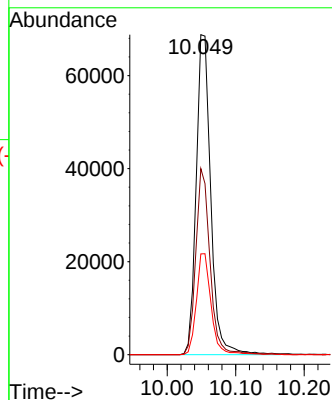
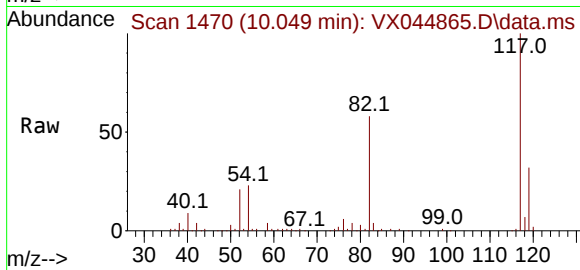




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

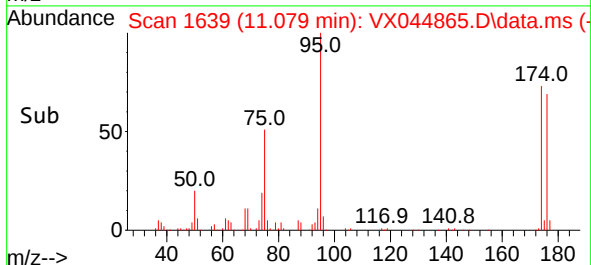
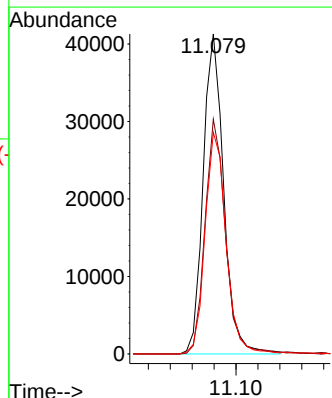
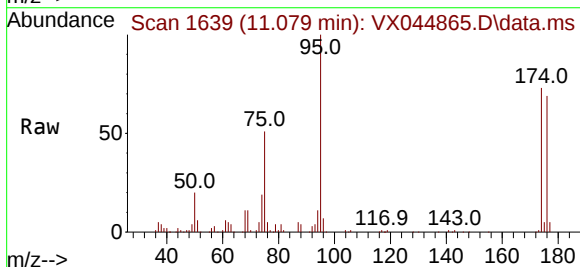
Instrument :
MSVOA_X
ClientSampleId :
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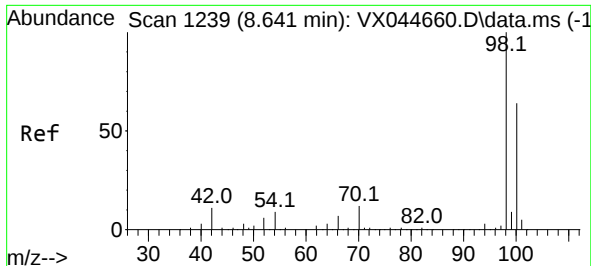
Tgt Ion:117 Resp: 102149
Ion Ratio Lower Upper
117 100
82 55.8 45.8 68.6
119 31.1 25.8 38.6



#60
4-Bromofluorobenzene
Concen: 26.985 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 95 Resp: 53540
Ion Ratio Lower Upper
95 100
174 73.3 54.6 81.8
176 70.9 52.8 79.2

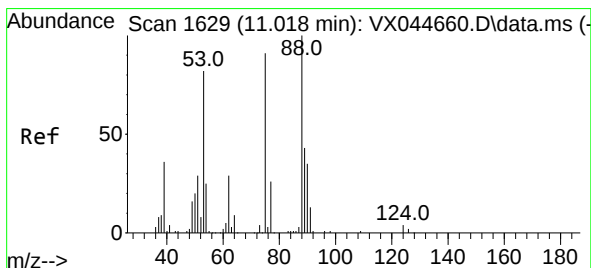
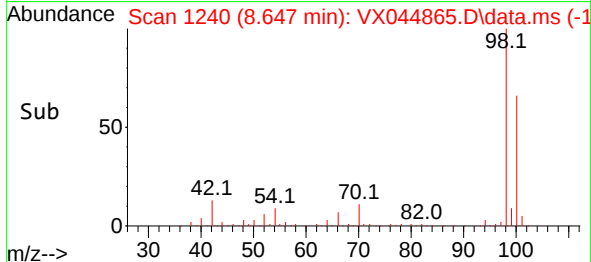
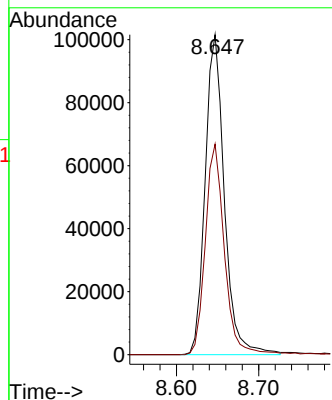
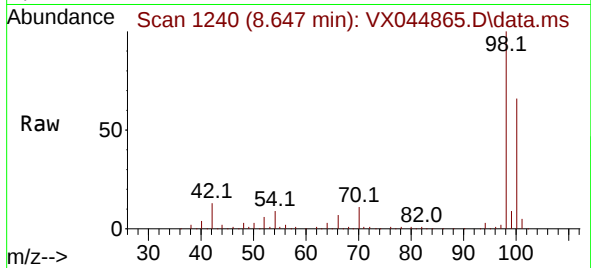




#63
Toluene-d8
Concen: 29.674 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Instrument :
MSVOA_X
ClientSampleId :
MANHOLE

Tgt Ion: 98 Resp: 164867
Ion Ratio Lower Upper
98 100
100 65.4 53.6 80.4



#77
t-1,4-Dichloro-2-butene
Concen: 30.252 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX044865.D
Acq: 07 Feb 2025 13:48

Tgt Ion: 75 Resp: 27556
Ion Ratio Lower Upper
75 100
53 0.0 45.3 135.9#
89 0.0 23.8 71.2#

