

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042247.D
 Acq On : 09 Jul 2024 14:53
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:57:48 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

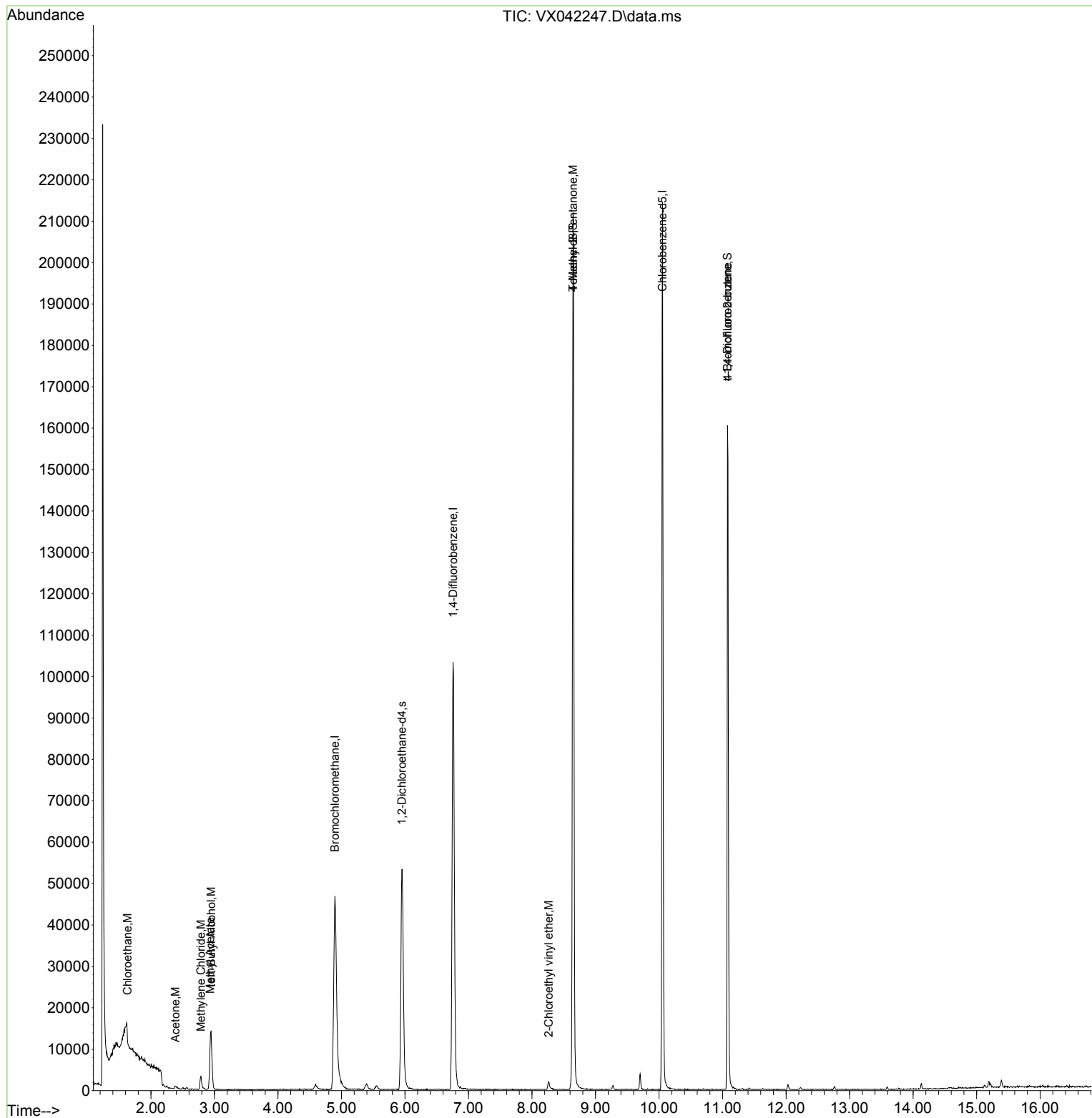
Internal Standards						
1) Bromochloromethane	4.897	128	25175	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	118608	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	104777	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	52000	30.005	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.033%
60) 4-Bromofluorobenzene	11.079	95	43741	26.970	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.900%
63) Toluene-d8	8.647	98	133456	29.771	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.233%
Target Compounds						
					Qvalue	
6) Chloroethane	1.629	64	759	0.997	ug/l #	51
12) Methyl Acetate	2.934	43	1138	0.580	ug/l #	51
15) Acetone	2.385	58	253	0.950	ug/l #	40
18) Methylene Chloride	2.788	84	1805	1.023	ug/l	89
23) tert-Butyl Alcohol	2.946	59	8665	25.033	ug/l #	100
55) 2-Chloroethyl vinyl ether	8.262	63	975	0.998	ug/l #	92
58) 4-Methyl-2-Pentanone	8.647	43	484	0.258	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	19647	32.415	ug/l #	7

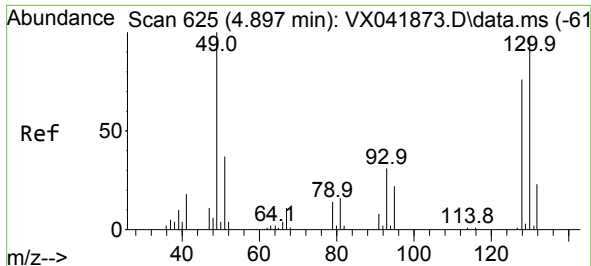
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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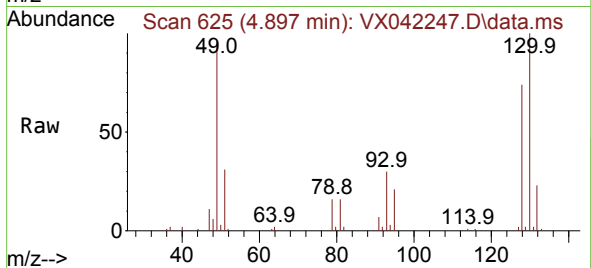
Quant Time: Jul 10 04:57:48 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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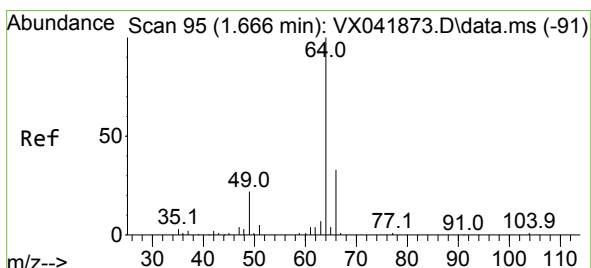
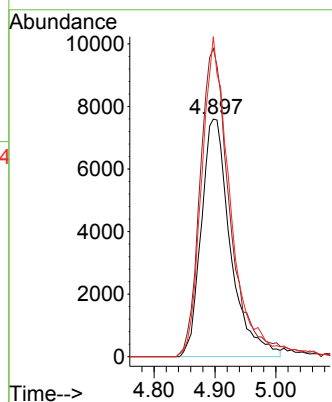
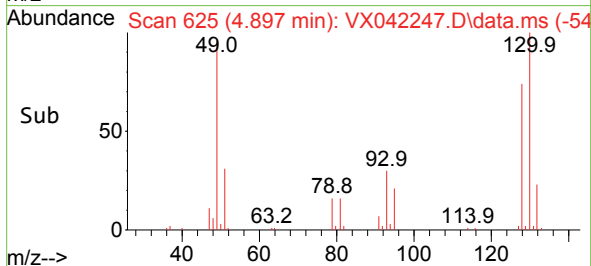


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

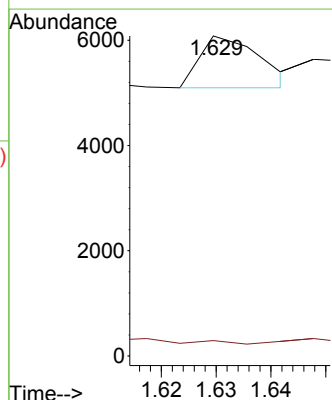
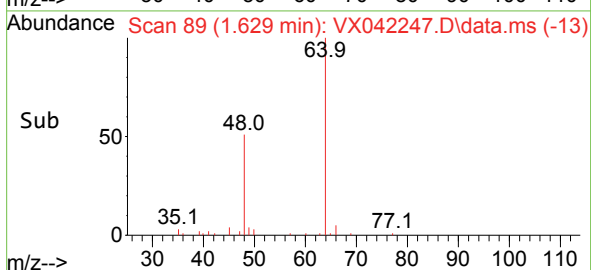
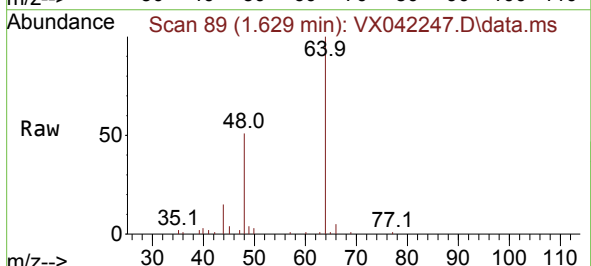


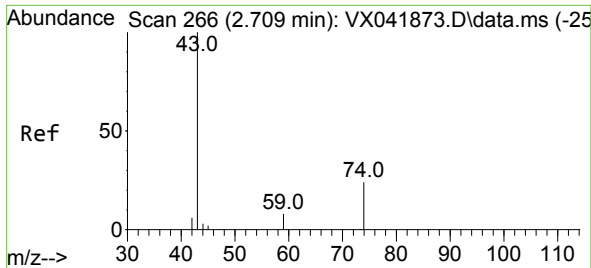
Tgt Ion:128 Resp: 25175
Ion Ratio Lower Upper
128 100
49 131.5 0.0 338.5
130 133.0 0.0 324.5



#6
Chloroethane
Concen: 0.997 ug/l
RT: 1.629 min Scan# 89
Delta R.T. -0.037 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Tgt Ion: 64 Resp: 759
Ion Ratio Lower Upper
64 100
66 5.2 26.4 39.6#

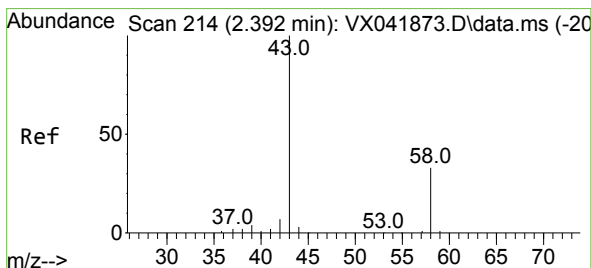
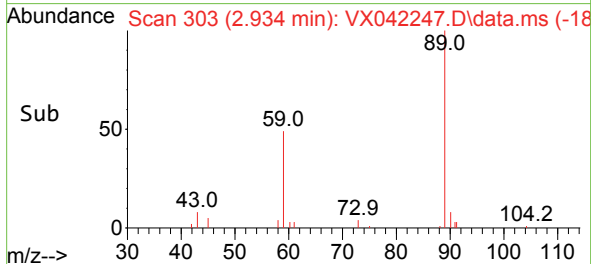
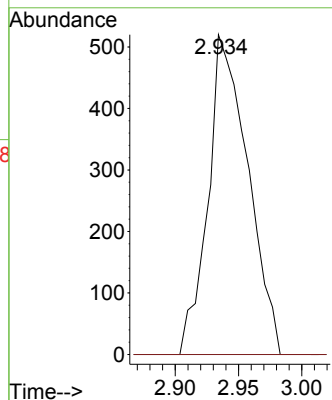
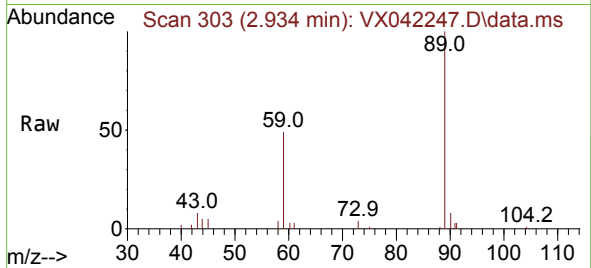




#12
Methyl Acetate
Concen: 0.580 ug/l
RT: 2.934 min Scan# 30
Delta R.T. 0.225 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

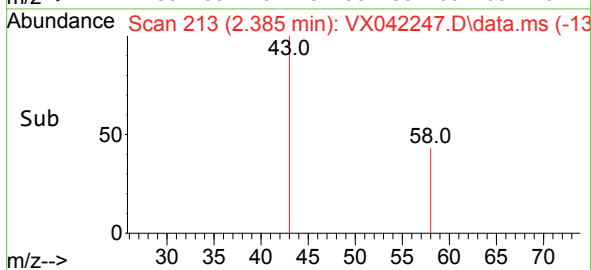
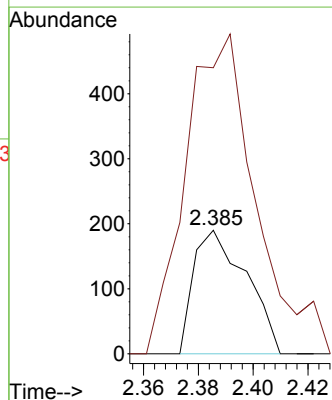
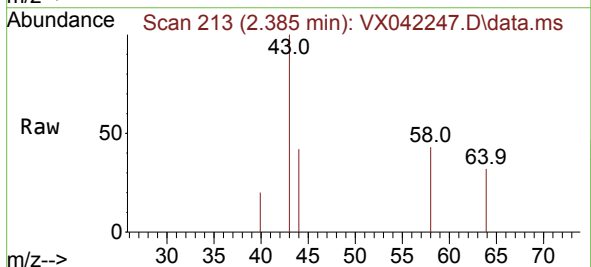
Instrument :
MSVOA_X
ClientSampleId :

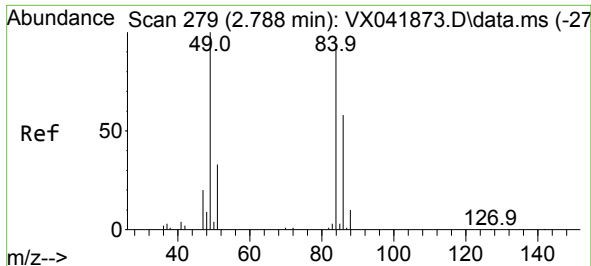
Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#15
Acetone
Concen: 0.950 ug/l
RT: 2.385 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

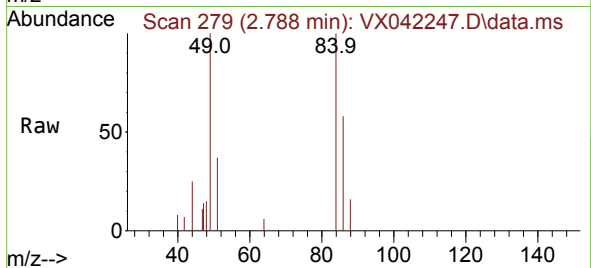
Tgt Ion: 58 Resp: 253
Ion Ratio Lower Upper
58 100
43 184.7 243.4 365.2#



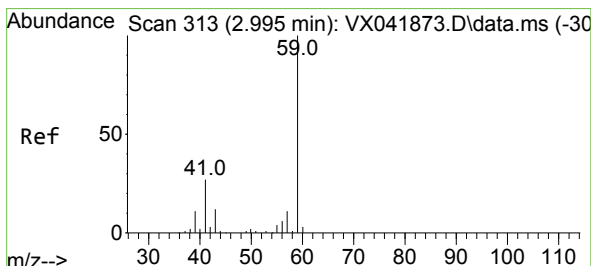
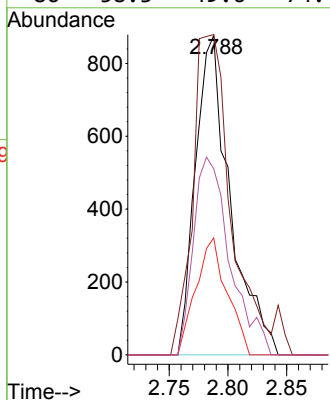
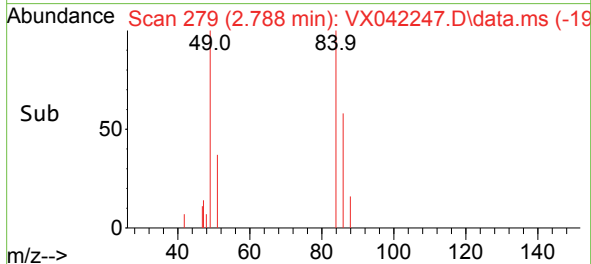


#18
Methylene Chloride
Concen: 1.023 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

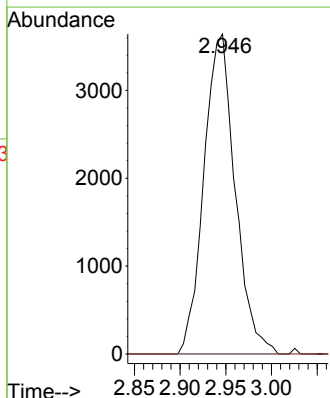
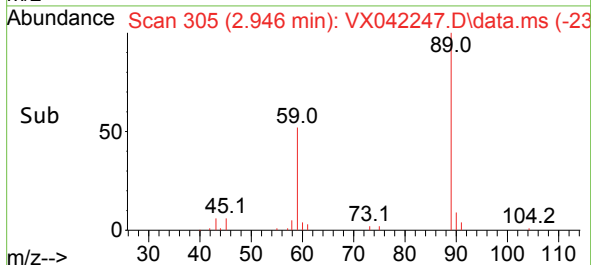
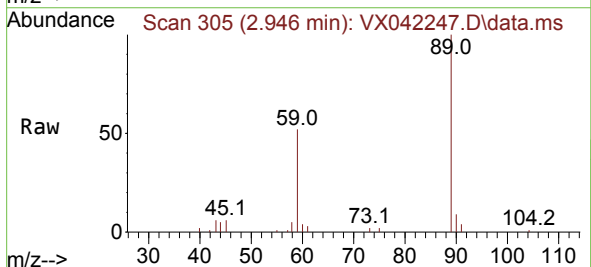


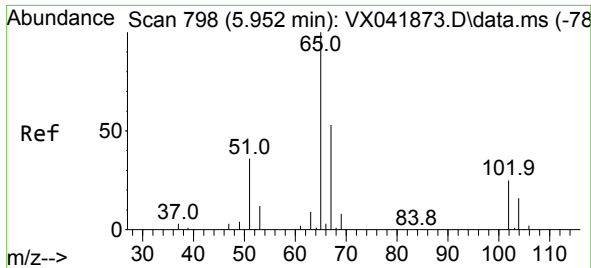
Tgt Ion:	84	Resp:	1805
Ion	Ratio	Lower	Upper
84	100		
49	88.9	85.3	127.9
51	36.6	28.5	42.7
86	58.3	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 25.033 ug/l
RT: 2.946 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Tgt Ion:	59	Resp:	8665
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

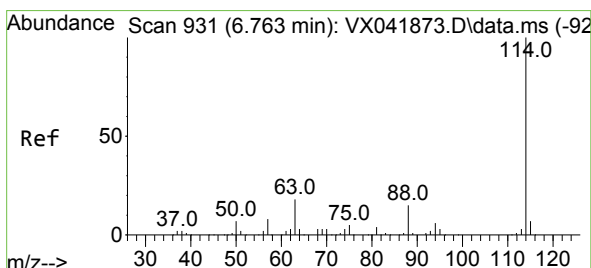
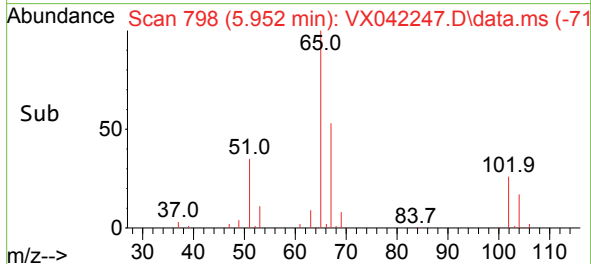
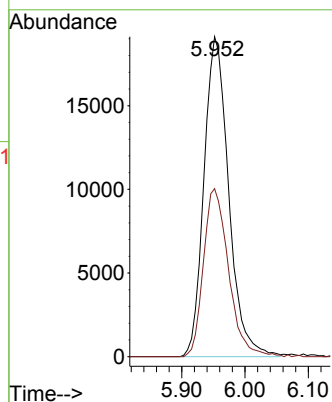
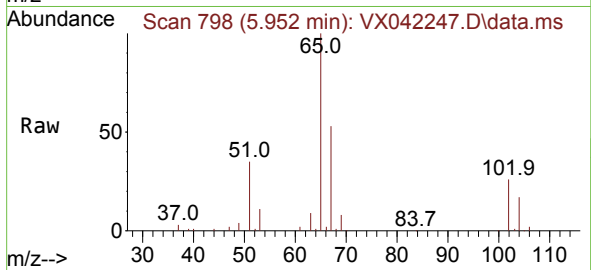




#27
1,2-Dichloroethane-d4
Concen: 30.005 ug/l
RT: 5.952 min Scan# 798
Delta R.T. -0.000 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

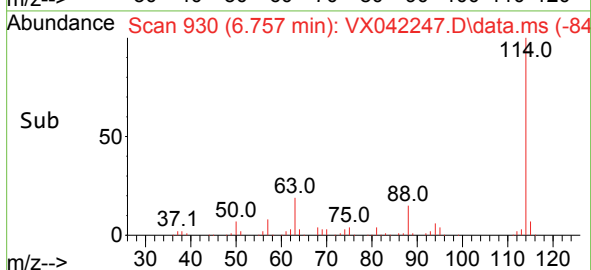
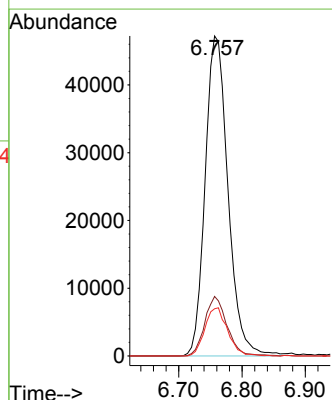
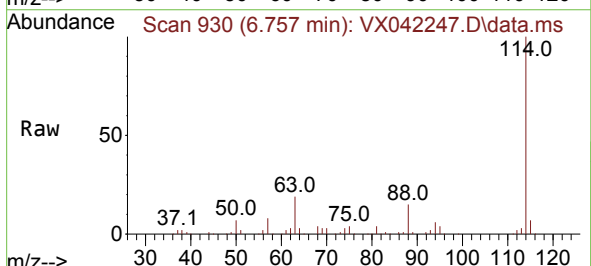
Instrument :
MSVOA_X
ClientSampleId :

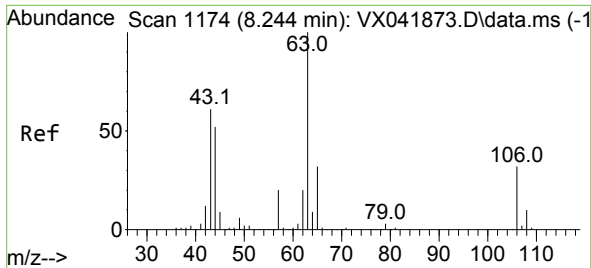
Tgt Ion: 65 Resp: 52000
Ion Ratio Lower Upper
65 100
67 53.3 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.757 min Scan# 930
Delta R.T. -0.006 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Tgt Ion:114 Resp: 118608
Ion Ratio Lower Upper
114 100
63 17.9 14.6 21.8
88 14.8 11.8 17.8

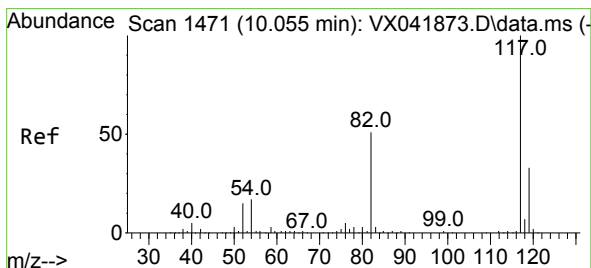
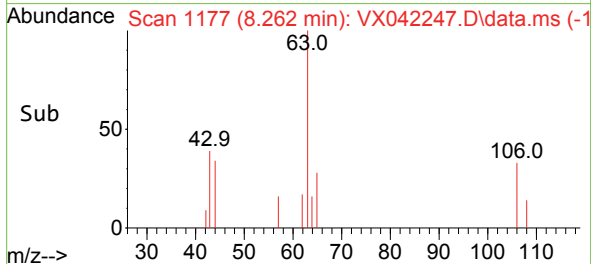
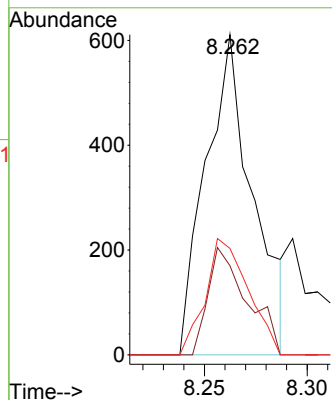
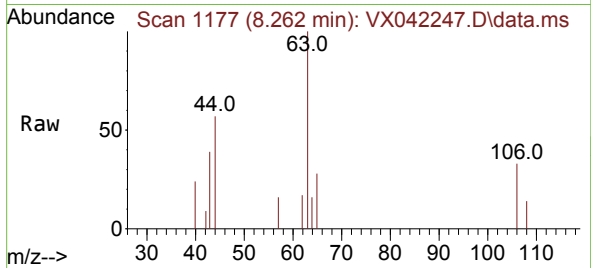




#55
2-Chloroethyl vinyl ether
Concen: 0.998 ug/l
RT: 8.262 min Scan# 1177
Delta R.T. 0.018 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

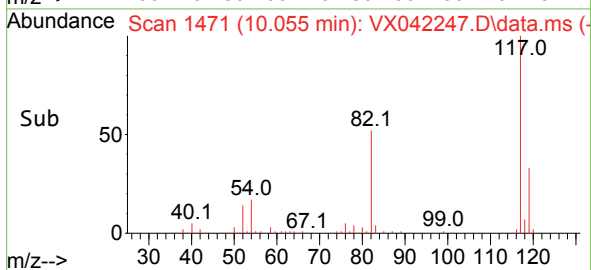
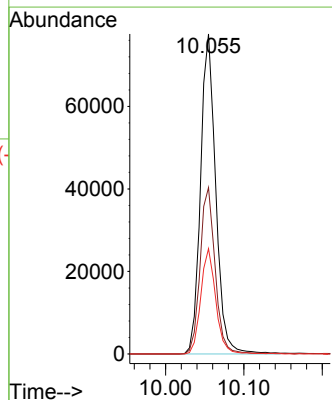
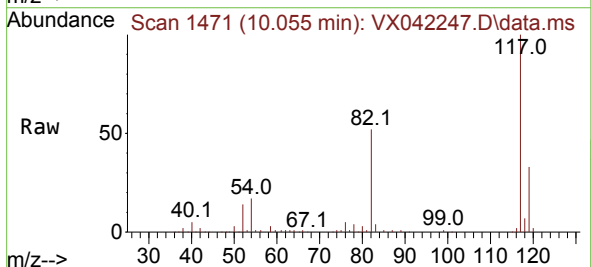
Instrument :
MSVOA_X
ClientSampleId :

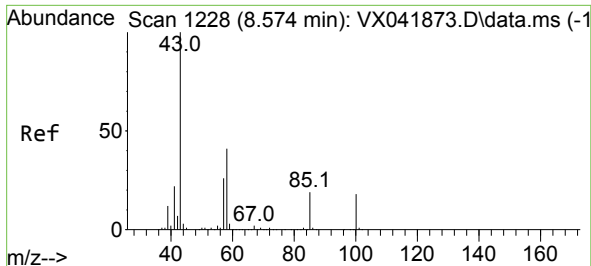
Tgt Ion: 63 Resp: 975
Ion Ratio Lower Upper
63 100
65 24.4 25.7 38.5#
106 32.9 25.3 37.9



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Tgt Ion: 117 Resp: 104777
Ion Ratio Lower Upper
117 100
82 51.6 41.1 61.7
119 32.4 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 0.258 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.073 min

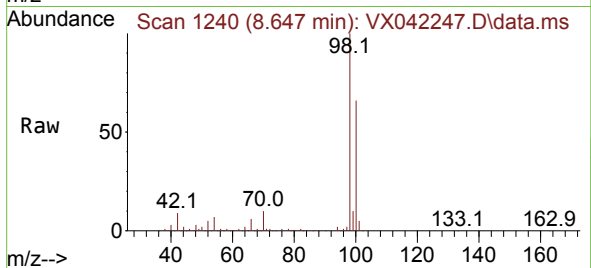
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Acq: 09 Jul 2024 14:53

Instrument :

MSVOA_X

ClientSampleId :



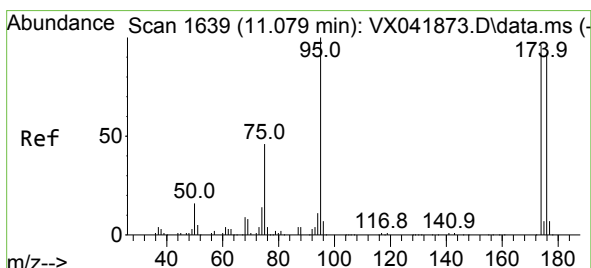
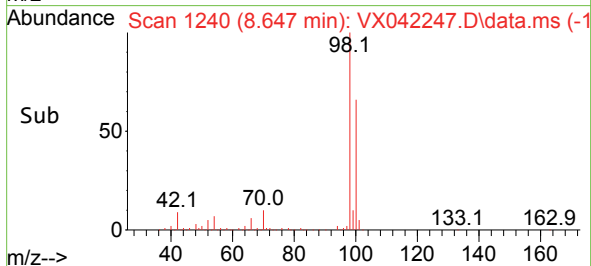
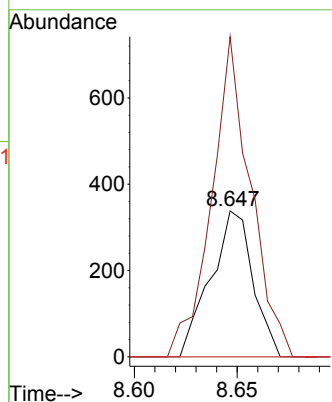
Tgt Ion: 43 Resp: 484

Ion Ratio Lower Upper

43 100

58 202.5 33.2 49.8#

85 0.0 15.5 23.3#



#60

4-Bromofluorobenzene

Concen: 26.970 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX042247.D

Acq: 09 Jul 2024 14:53

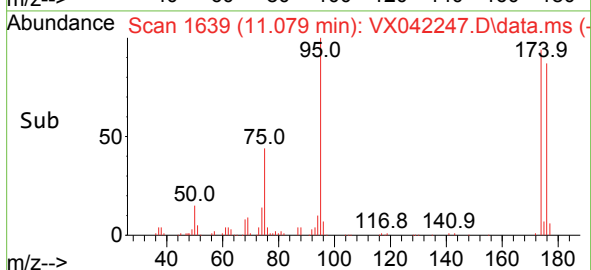
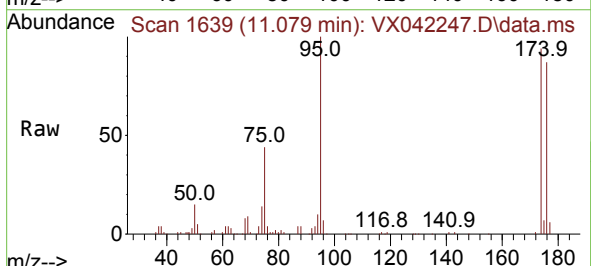
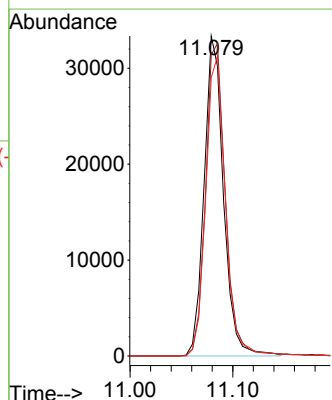
Tgt Ion: 95 Resp: 43741

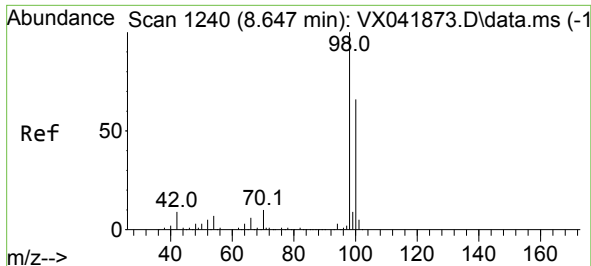
Ion Ratio Lower Upper

95 100

174 100.2 78.9 118.3

176 95.2 77.1 115.7

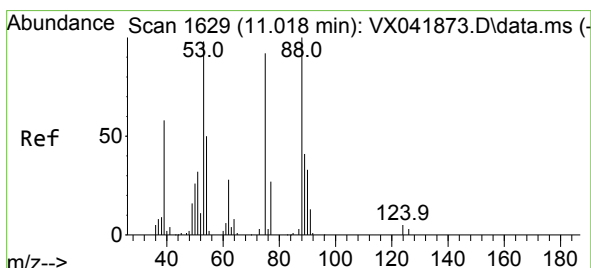
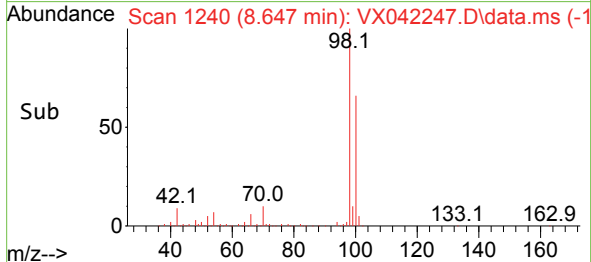
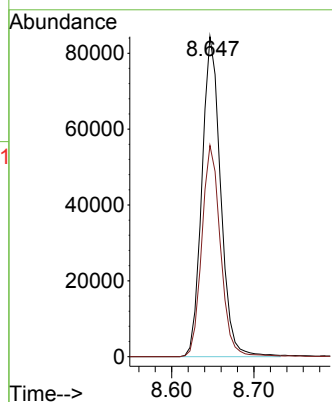
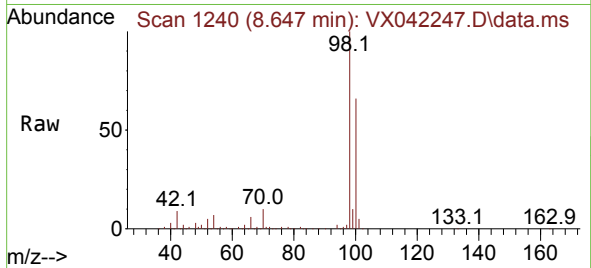




#63
Toluene-d8
Concen: 29.771 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 133456
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.415 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042247.D
Acq: 09 Jul 2024 14:53

Tgt Ion: 75 Resp: 19647
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

