

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
 Data File : VX042248.D
 Acq On : 09 Jul 2024 15:38
 Operator : JC/MD
 Sample : P3188-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jul 10 04:58:06 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)

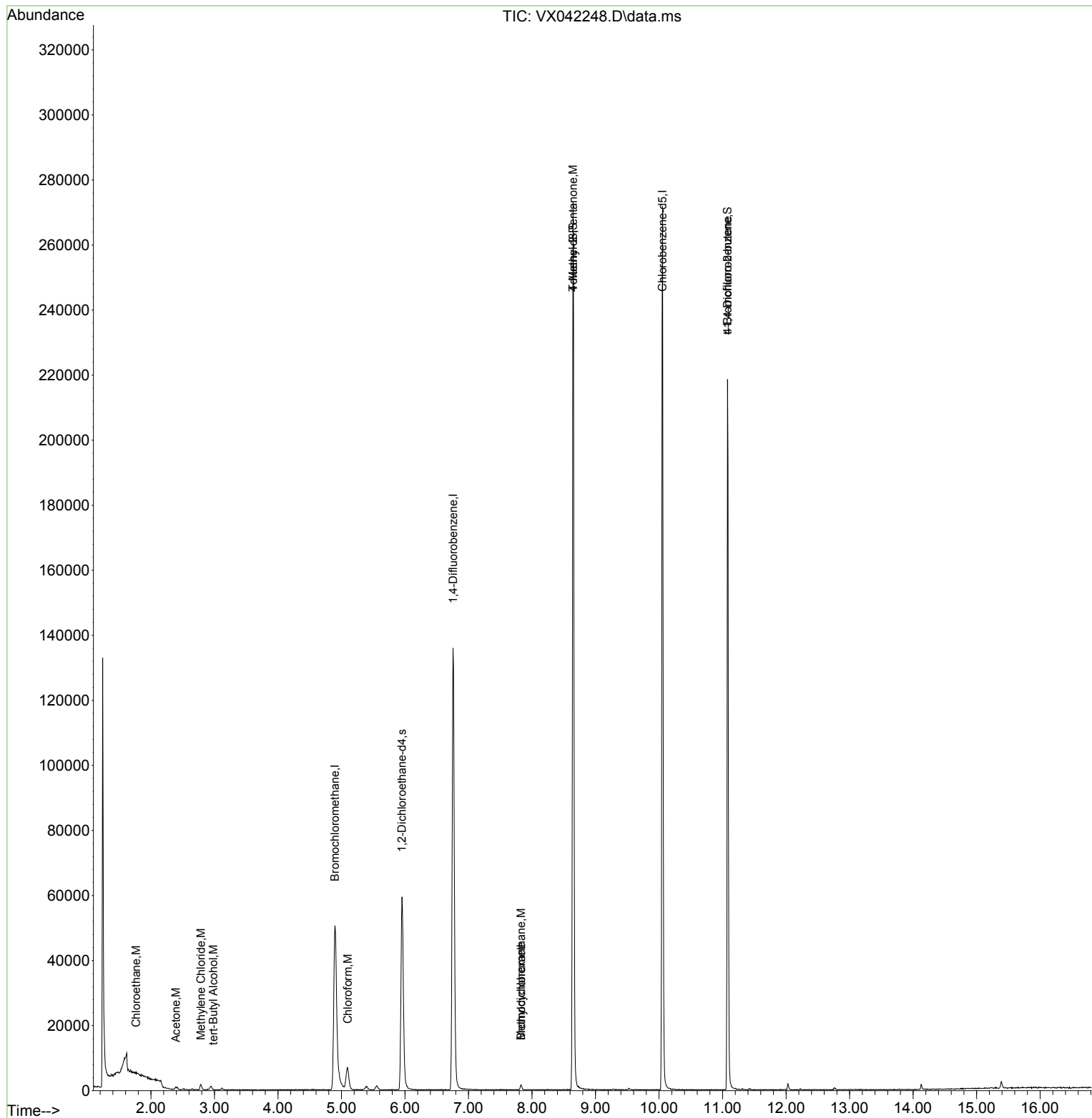
Internal Standards						
1) Bromochloromethane	4.897	128	27155	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	151113	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	136004	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	56310	30.123	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.400%
60) 4-Bromofluorobenzene	11.079	95	58124	27.609	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.033%
63) Toluene-d8	8.647	98	170736	29.342	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.800%
Target Compounds						
					Qvalue	
6) Chloroethane	1.764	64	287	0.350	ug/l #	48
15) Acetone	2.392	58	223	0.776	ug/l #	1
18) Methylene Chloride	2.788	84	979	0.514	ug/l #	83
23) tert-Butyl Alcohol	2.983	59	189	0.506	ug/l #	100
25) Chloroform	5.099	83	9103	3.027	ug/l	99
38) Methylcyclohexane	7.830	83	1336	0.511	ug/l #	18
41) Bromodichloromethane	7.830	83	1408	0.679	ug/l #	94
58) 4-Methyl-2-Pentanone	8.647	43	643	0.264	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26325	33.461	ug/l #	7

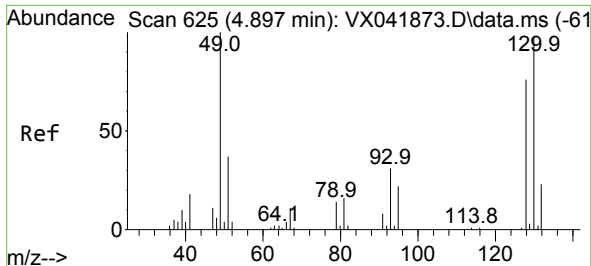
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX070924\
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MSVOA_X
ClientSampleId :

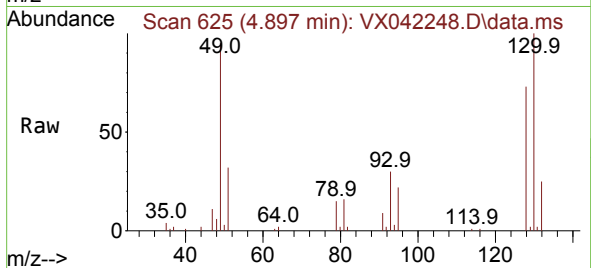
Quant Time: Jul 10 04:58:06 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



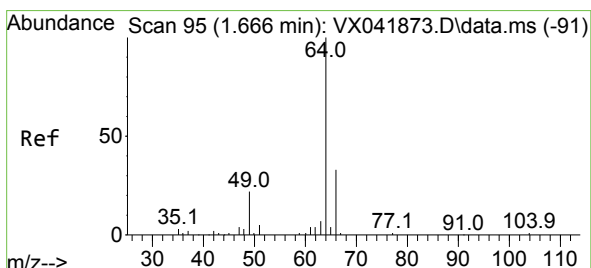
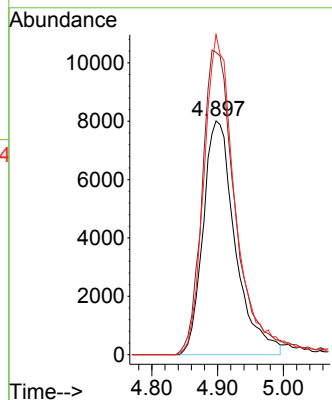
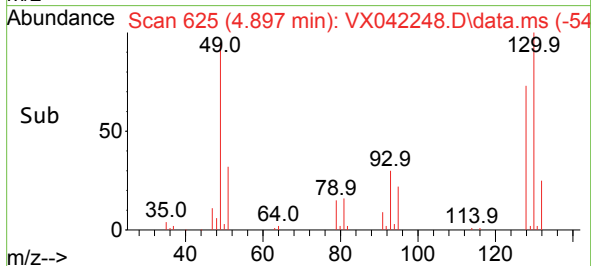


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

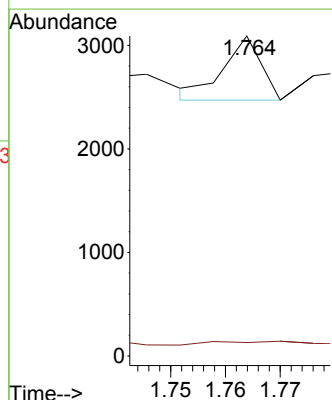
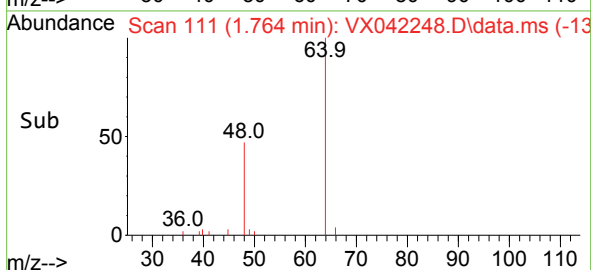
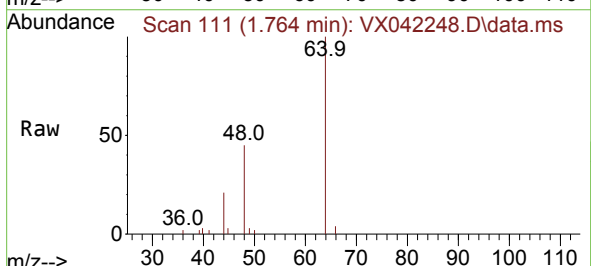


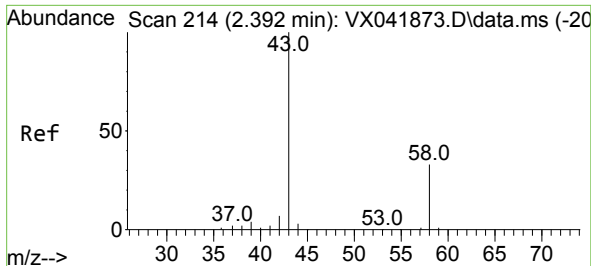
Tgt Ion:128 Resp: 27155
Ion Ratio Lower Upper
128 100
49 136.3 0.0 338.5
130 135.0 0.0 324.5



#6
Chloroethane
Concen: 0.350 ug/l
RT: 1.764 min Scan# 111
Delta R.T. 0.098 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

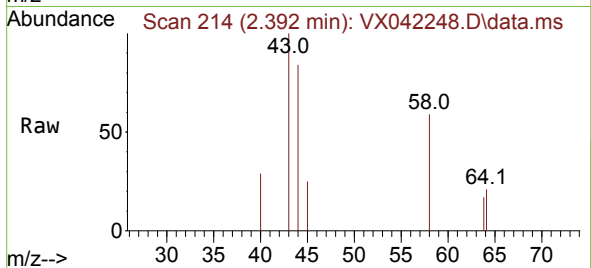
Tgt Ion: 64 Resp: 287
Ion Ratio Lower Upper
64 100
66 3.9 26.4 39.6#



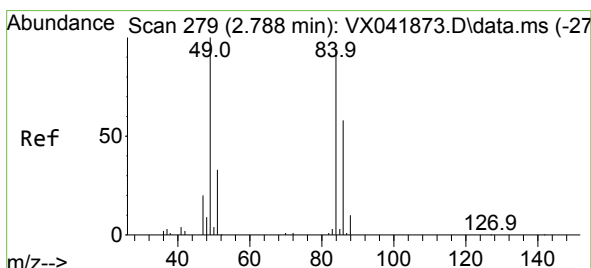
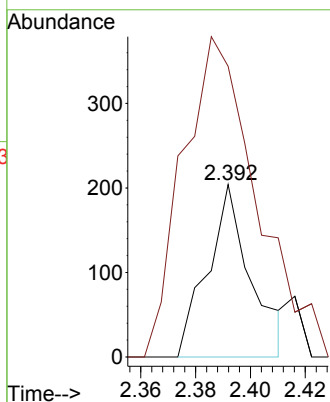
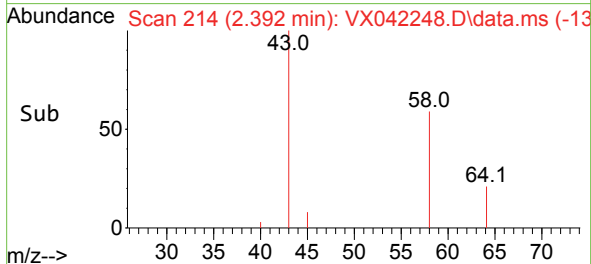


#15
Acetone
Concen: 0.776 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

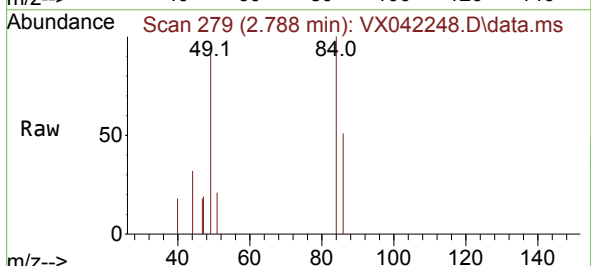
Instrument :
MSVOA_X
ClientSampleId :



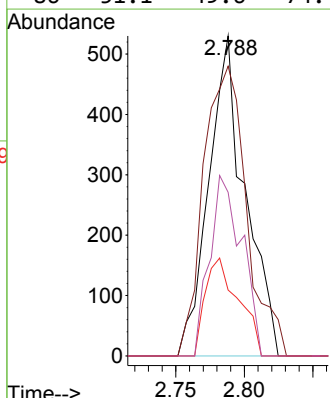
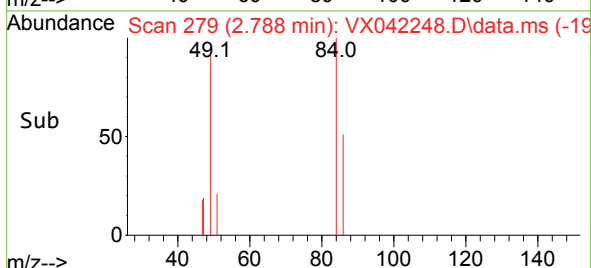
Tgt Ion: 58 Resp: 223
Ion Ratio Lower Upper
58 100
43 99.5 243.4 365.2#

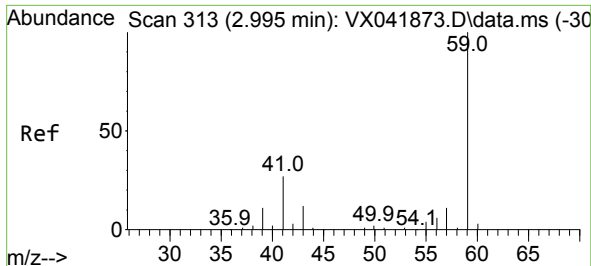


#18
Methylene Chloride
Concen: 0.514 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38



Tgt Ion: 84 Resp: 979
Ion Ratio Lower Upper
84 100
49 90.6 85.3 127.9
51 20.6 28.5 42.7#
86 51.1 49.6 74.4





#23

tert-Butyl Alcohol

Concen: 0.506 ug/l

RT: 2.983 min Scan# 31

Delta R.T. -0.012 min

Lab File: VX042248.D

Acq: 09 Jul 2024 15:38

Instrument :

MSVOA_X

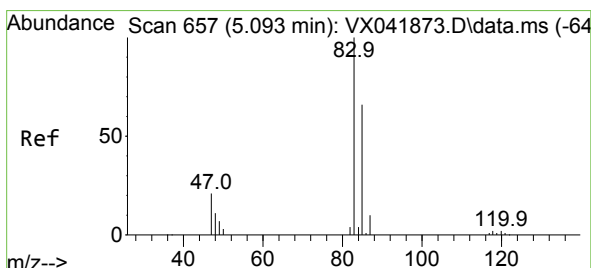
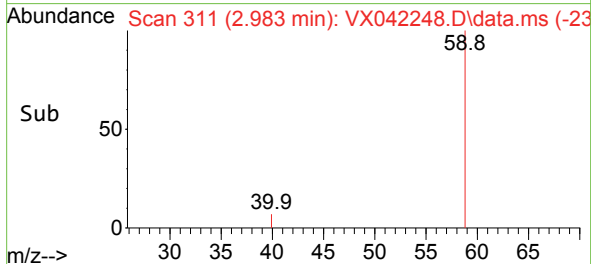
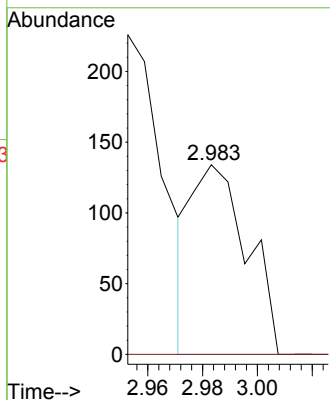
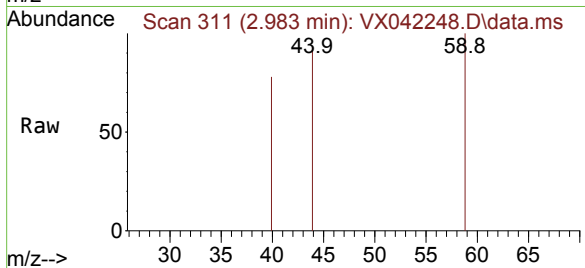
ClientSampleId :

Tgt Ion: 59 Resp: 189

Ion Ratio Lower Upper

59 100

52 0.0 0.0 0.0



#25

Chloroform

Concen: 3.027 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX042248.D

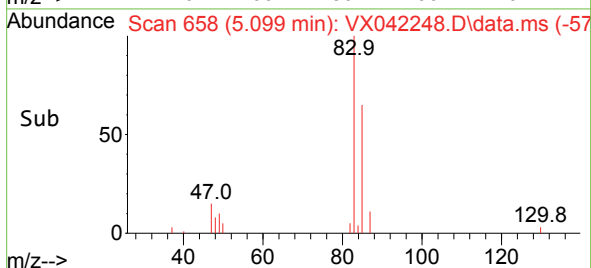
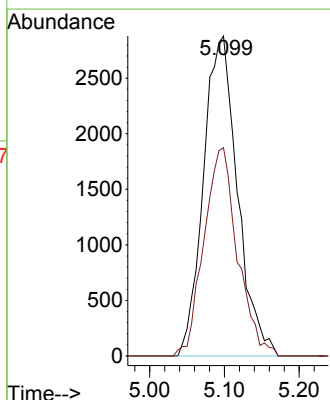
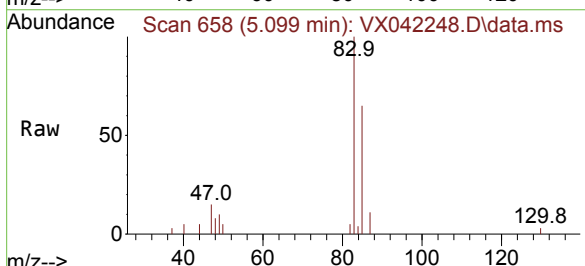
Acq: 09 Jul 2024 15:38

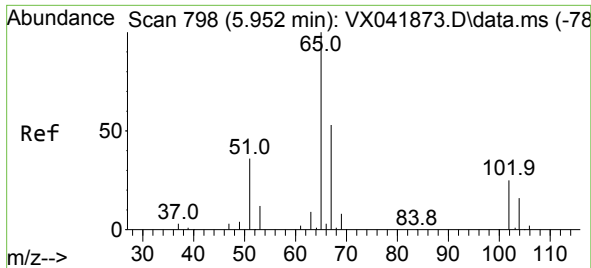
Tgt Ion: 83 Resp: 9103

Ion Ratio Lower Upper

83 100

85 65.1 52.7 79.1

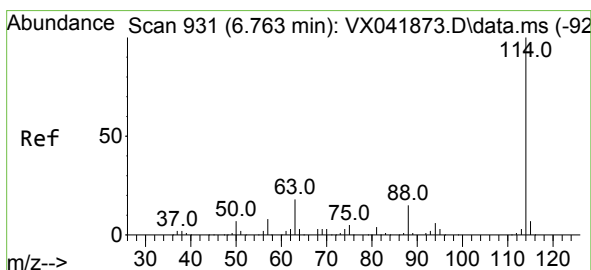
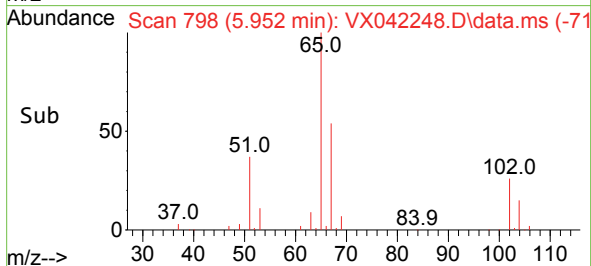
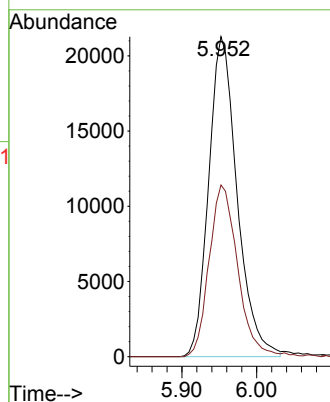
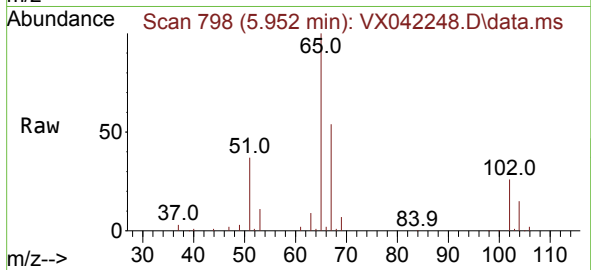




#27
 1,2-Dichloroethane-d4
 Concen: 30.123 ug/l
 RT: 5.952 min Scan# 798
 Delta R.T. 0.000 min
 Lab File: VX042248.D
 Acq: 09 Jul 2024 15:38

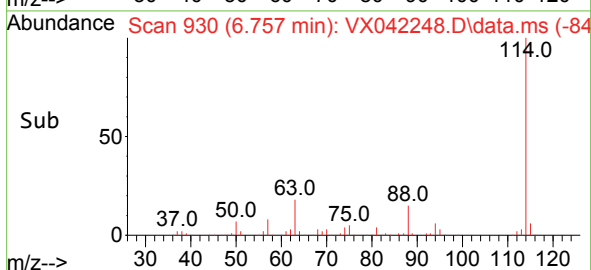
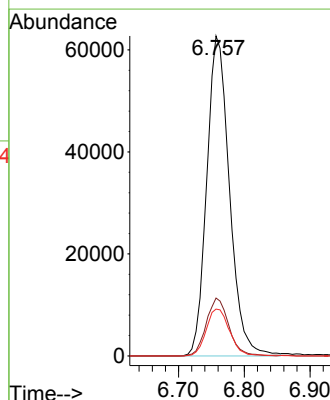
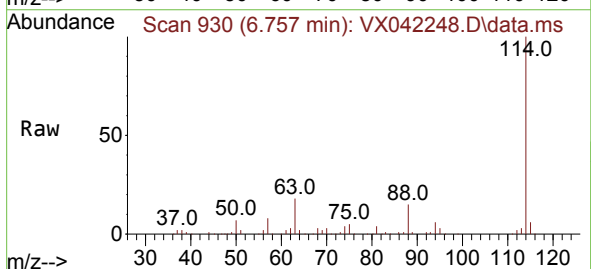
Instrument :
 MSVOA_X
 ClientSampleId :

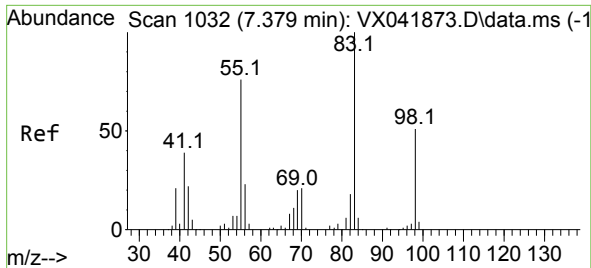
Tgt Ion: 65 Resp: 56310
 Ion Ratio Lower Upper
 65 100
 67 53.5 43.4 65.0



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 6.757 min Scan# 930
 Delta R.T. -0.006 min
 Lab File: VX042248.D
 Acq: 09 Jul 2024 15:38

Tgt Ion: 114 Resp: 151113
 Ion Ratio Lower Upper
 114 100
 63 17.9 14.6 21.8
 88 15.1 11.8 17.8

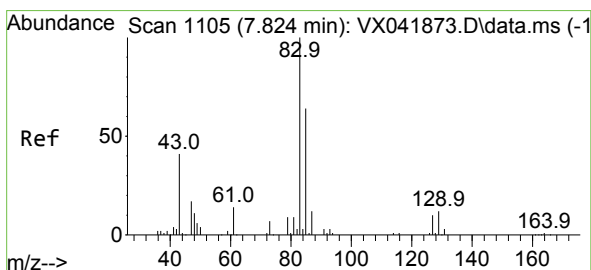
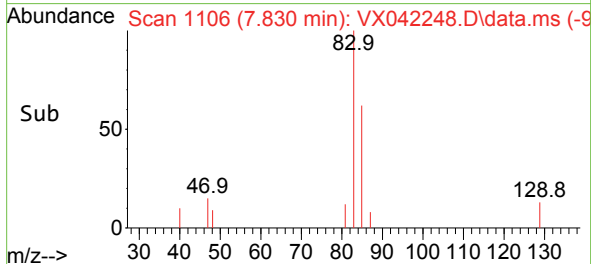
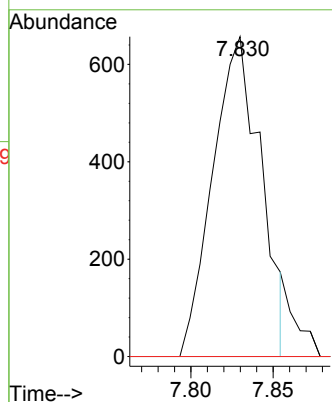
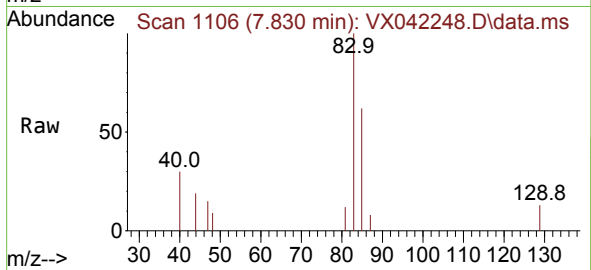




#38
Methylcyclohexane
Concen: 0.511 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.451 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

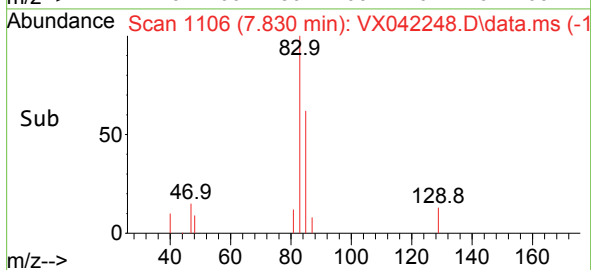
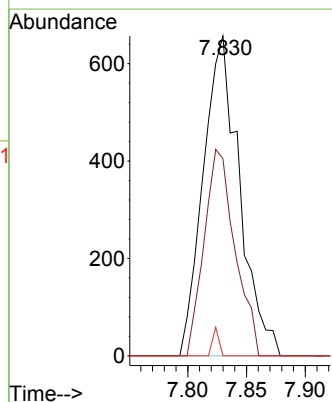
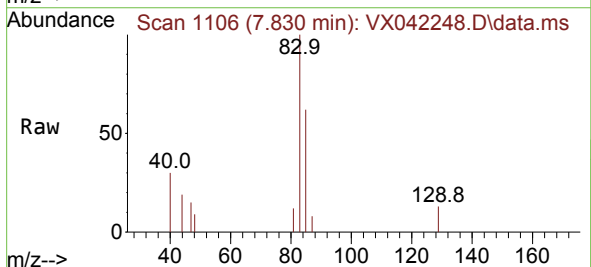
Instrument :
MSVOA_X
ClientSampleId :

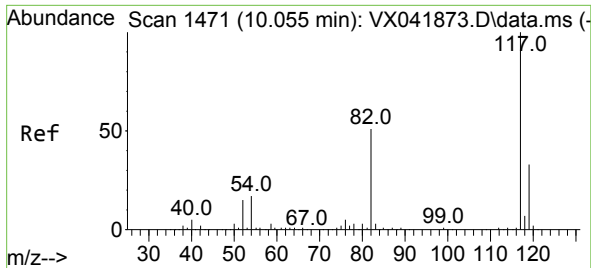
Tgt Ion: 83 Resp: 1336
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#



#41
Bromodichloromethane
Concen: 0.679 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

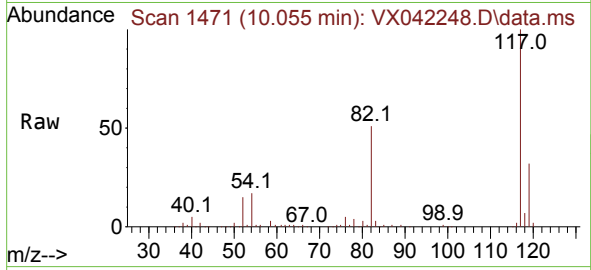
Tgt Ion: 83 Resp: 1408
Ion Ratio Lower Upper
83 100
85 61.6 51.1 76.7
127 0.0 8.1 12.1#



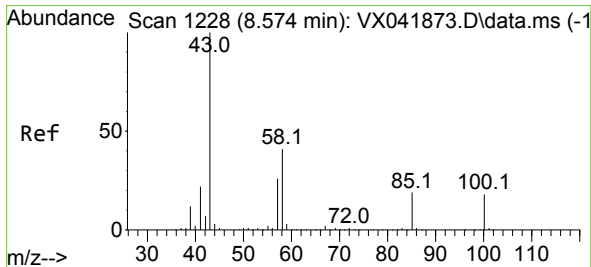
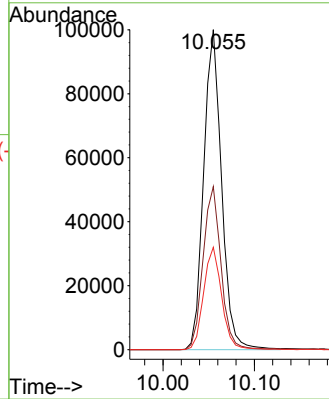
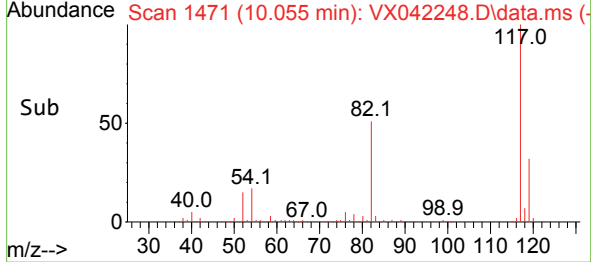


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

Instrument :
MSVOA_X
ClientSampleId :

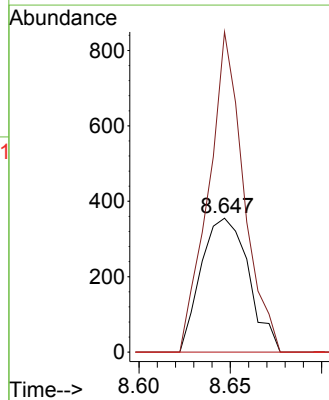
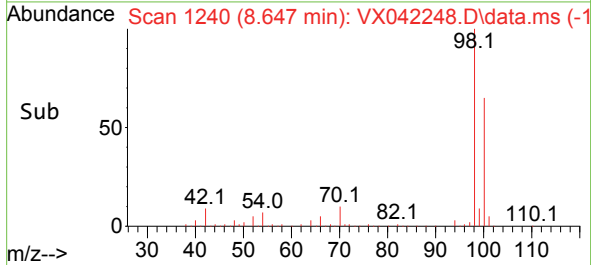
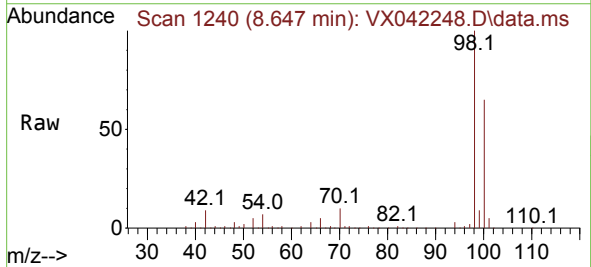


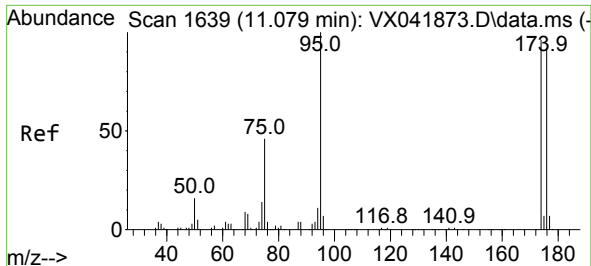
Tgt Ion:117 Resp: 136004
Ion Ratio Lower Upper
117 100
82 51.2 41.1 61.7
119 32.2 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.264 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

Tgt Ion: 43 Resp: 643
Ion Ratio Lower Upper
43 100
58 177.4 33.2 49.8#
85 0.0 15.5 23.3#

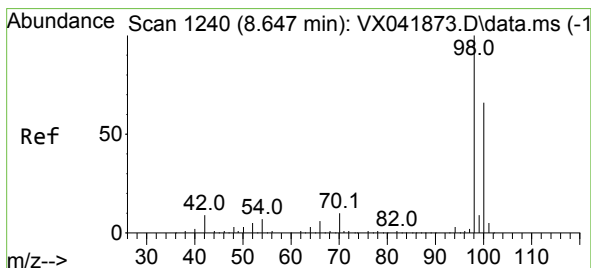
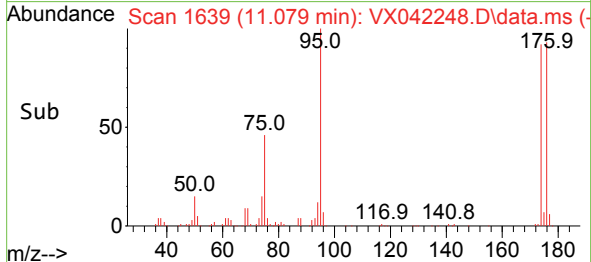
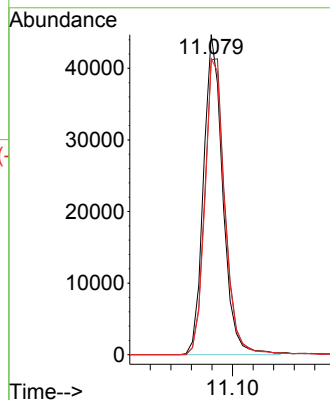
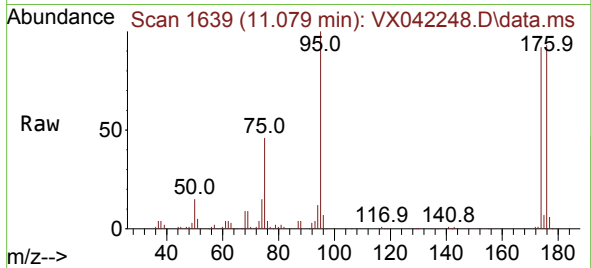




#60
4-Bromofluorobenzene
Concen: 27.609 ug/l
RT: 11.079 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

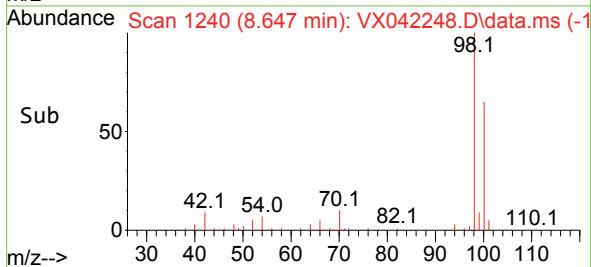
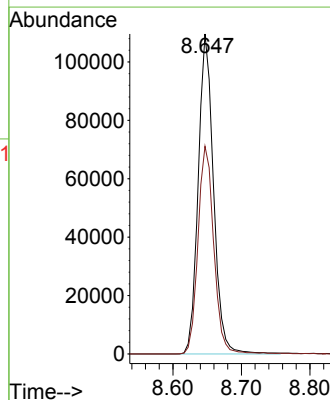
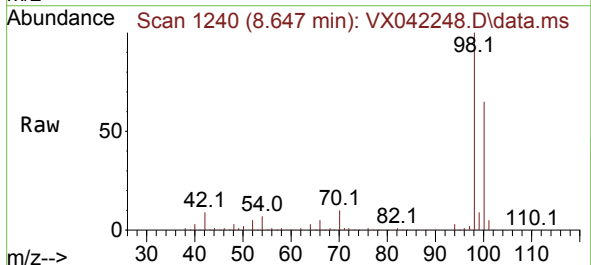
Instrument :
MSVOA_X
ClientSampleId :

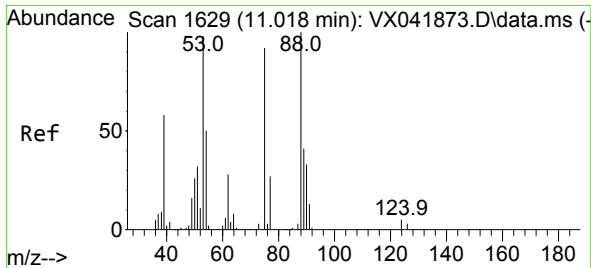
Tgt Ion: 95 Resp: 58124
Ion Ratio Lower Upper
95 100
174 97.4 78.9 118.3
176 94.5 77.1 115.7



#63
Toluene-d8
Concen: 29.342 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042248.D
Acq: 09 Jul 2024 15:38

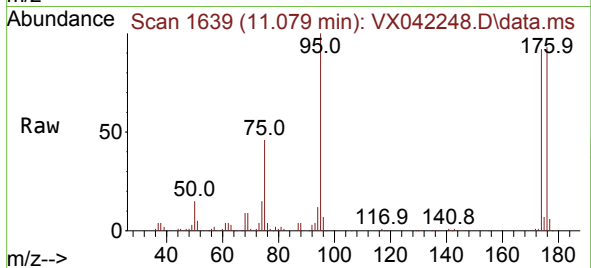
Tgt Ion: 98 Resp: 170736
Ion Ratio Lower Upper
98 100
100 66.4 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 33.461 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042248.D
 Acq: 09 Jul 2024 15:38

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 26325
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

