

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042070.D
 Acq On : 27 Jun 2024 13:28
 Operator : JC/MD
 Sample : P3025-02RE
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 04:02:54 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)

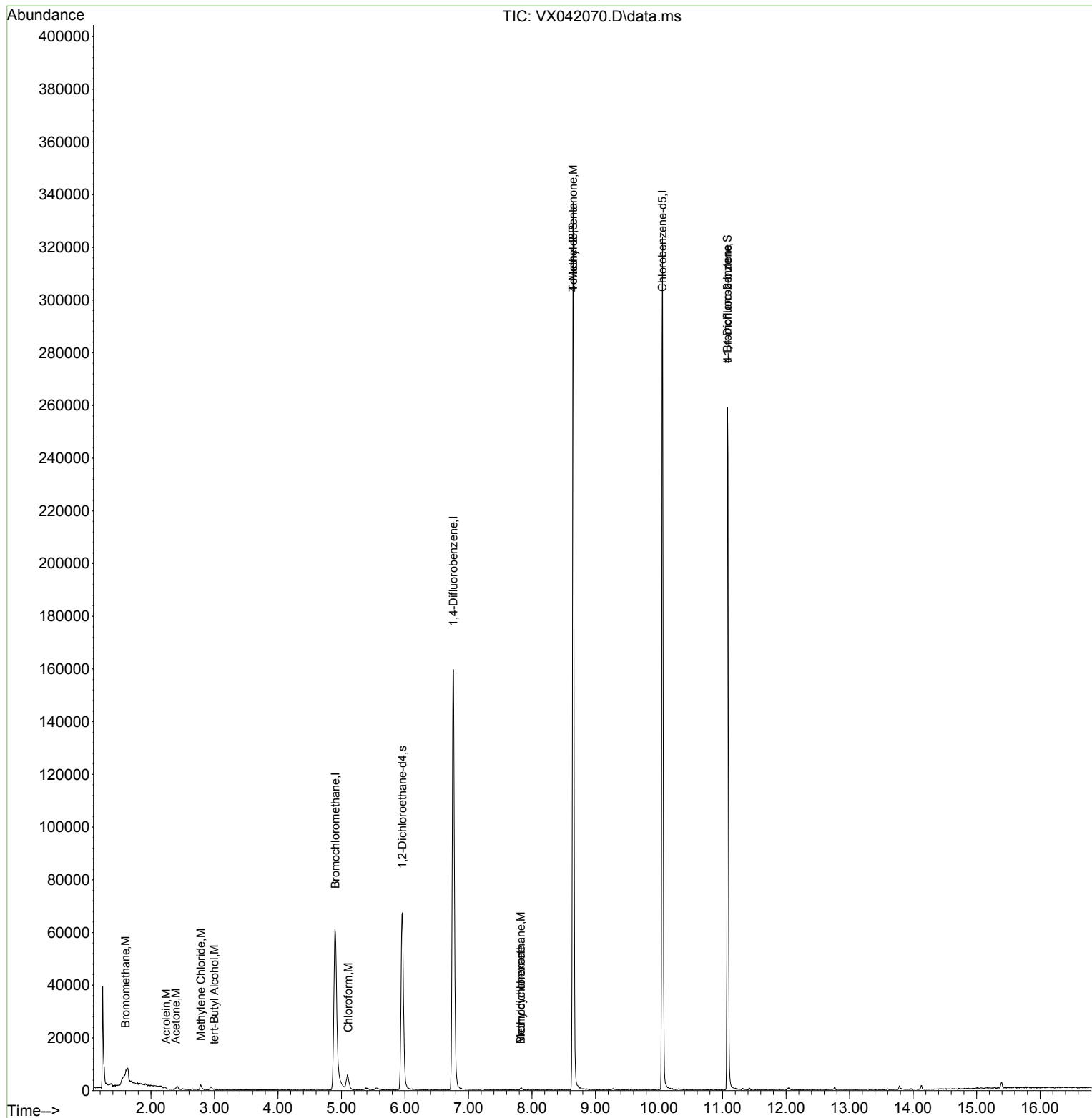
Internal Standards						
1) Bromochloromethane	4.904	128	32516	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	185606	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	164645	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	65163	29.112	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	97.033%
60) 4-Bromofluorobenzene	11.079	95	69209	27.156	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.533%
63) Toluene-d8	8.647	98	207781	29.497	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.333%
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	395	0.321	ug/l #	73
13) Acrolein	2.239	56	104	0.204	ug/l #	15
15) Acetone	2.392	58	99	0.288	ug/l #	46
18) Methylene Chloride	2.788	84	987	0.433	ug/l	89
23) tert-Butyl Alcohol	2.995	59	97	0.217	ug/l #	100
25) Chloroform	5.105	83	6852	1.903	ug/l	92
38) Methylcyclohexane	7.824	83	662	0.206	ug/l #	18
41) Bromodichloromethane	7.824	83	662	0.260	ug/l #	93
58) 4-Methyl-2-Pentanone	8.647	43	657	0.223	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	30490	32.013	ug/l #	7

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

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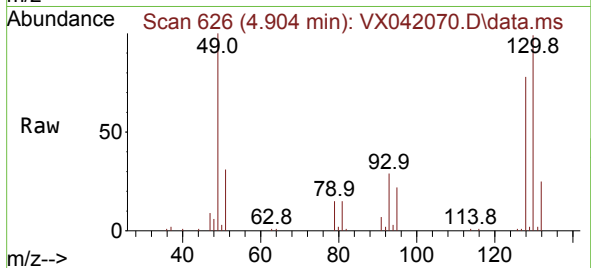
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



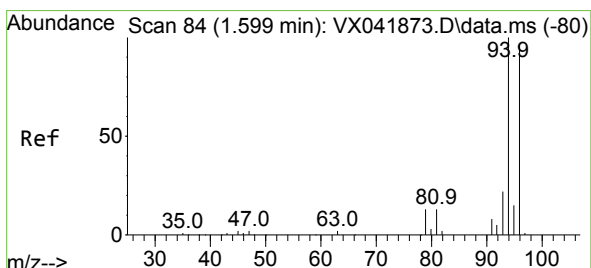
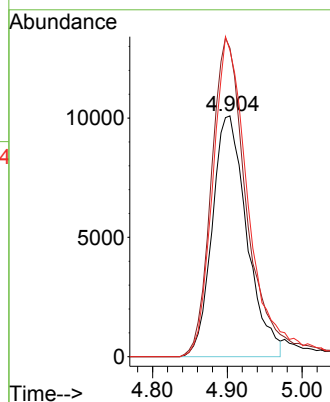
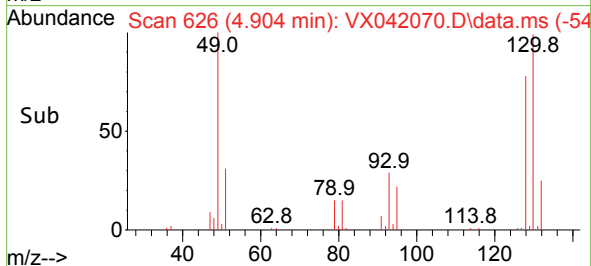


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :

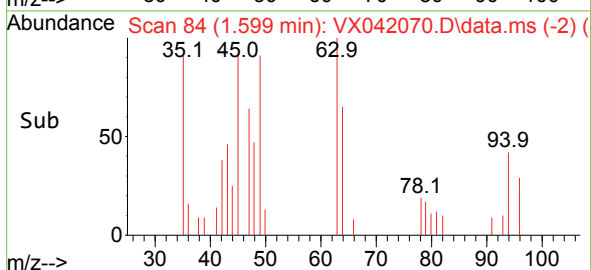
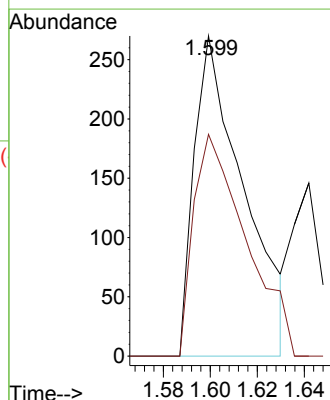
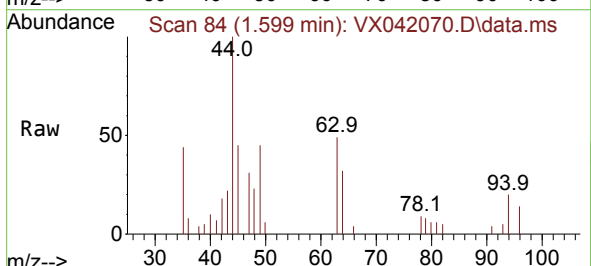


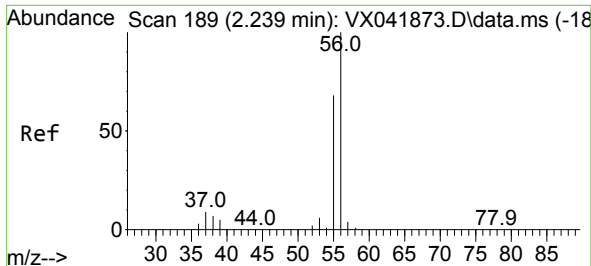
Tgt Ion:128 Resp: 32516
Ion Ratio Lower Upper
128 100
49 137.6 0.0 338.5
130 135.0 0.0 324.5



#5
Bromomethane
Concen: 0.321 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Tgt Ion: 94 Resp: 395
Ion Ratio Lower Upper
94 100
96 69.3 76.6 115.0#

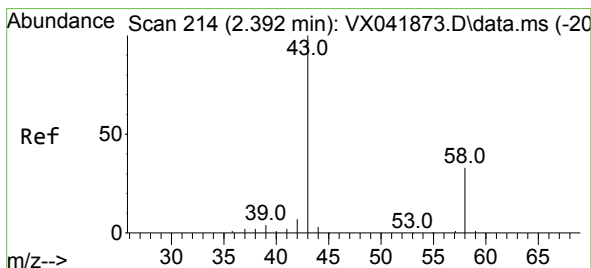
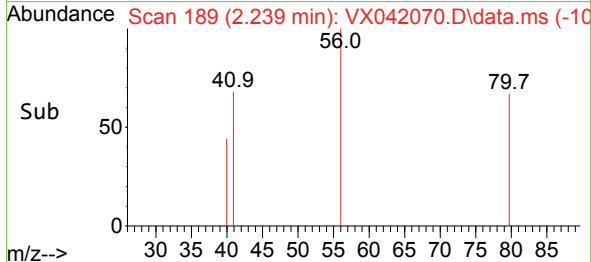
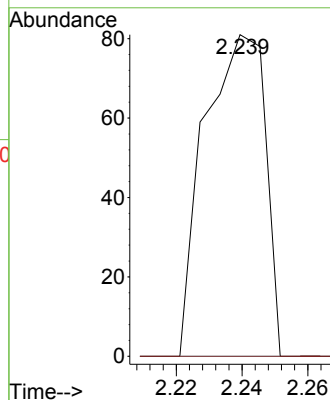
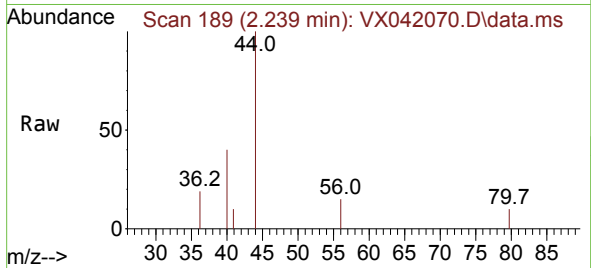




#13
Acrolein
Concen: 0.204 ug/l
RT: 2.239 min Scan# 189
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

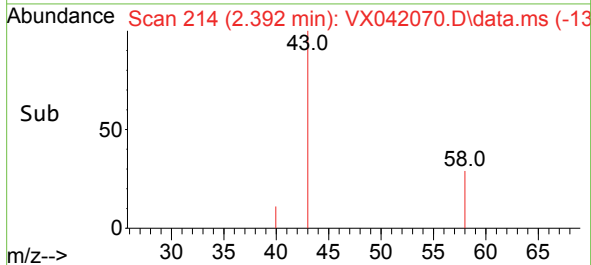
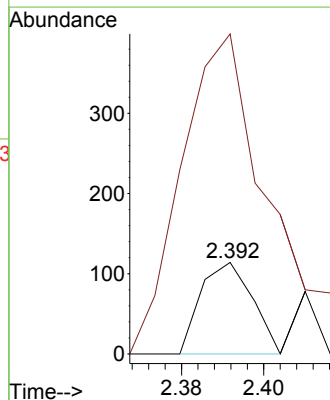
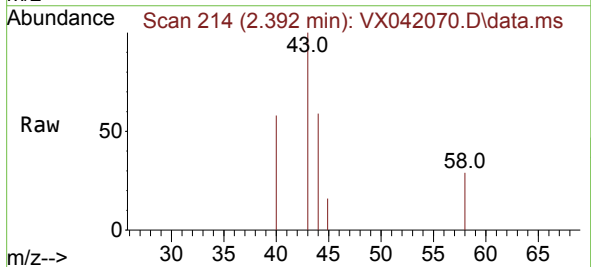
Instrument :
MSVOA_X
ClientSampleId :

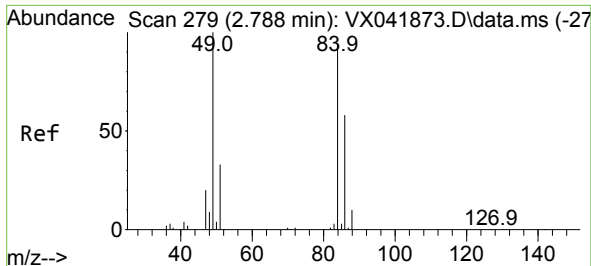
Tgt Ion: 56 Resp: 104
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.0#



#15
Acetone
Concen: 0.288 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

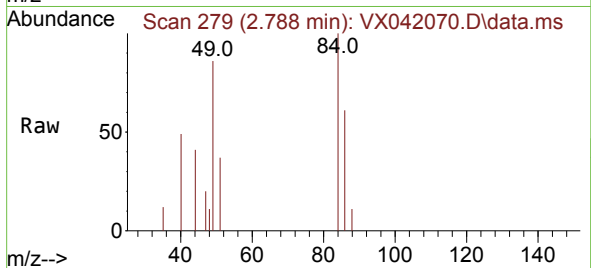
Tgt Ion: 58 Resp: 99
Ion Ratio Lower Upper
58 100
43 197.4 243.4 365.2#



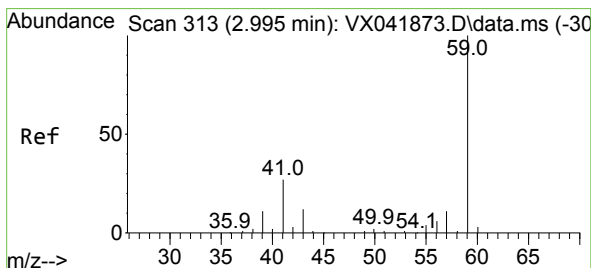
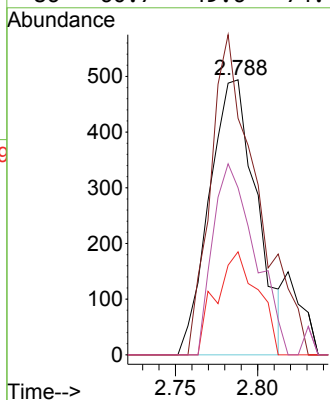
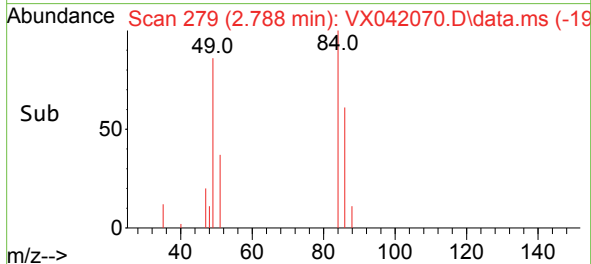


#18
Methylene Chloride
Concen: 0.433 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :

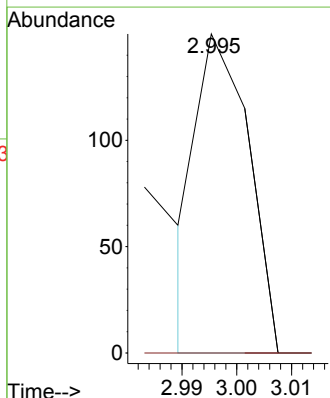
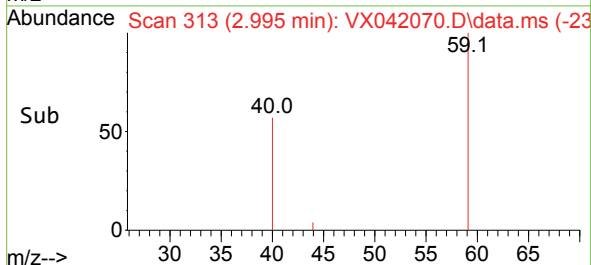
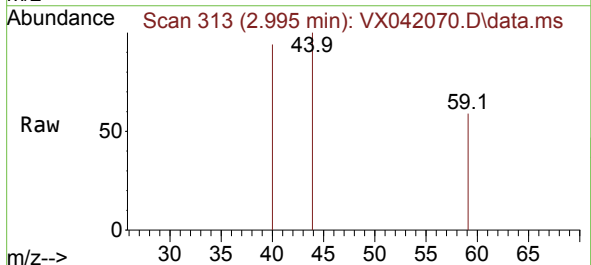


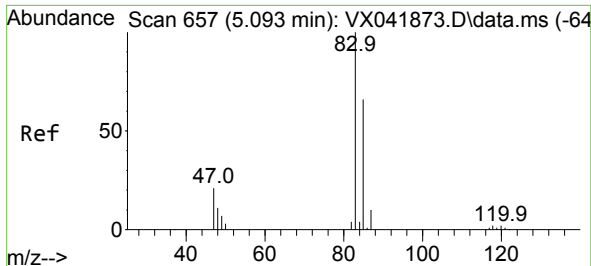
Tgt Ion: 84	Resp: 987
Ion Ratio	Lower Upper
84 100	
49 86.0	85.3 127.9
51 37.4	28.5 42.7
86 60.7	49.6 74.4



#23
tert-Butyl Alcohol
Concen: 0.217 ug/l
RT: 2.995 min Scan# 313
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Tgt Ion: 59	Resp: 97		
Ion Ratio	Lower	Upper	
59 100			
52 0.0	0.0	0.0	





#25

Chloroform

Concen: 1.903 ug/l

RT: 5.105 min Scan# 61

Delta R.T. 0.012 min

Lab File: VX042070.D

Acq: 27 Jun 2024 13:28

Instrument :

MSVOA_X

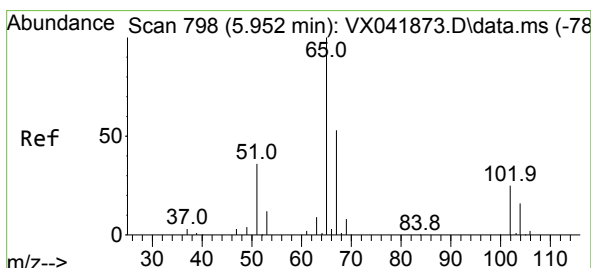
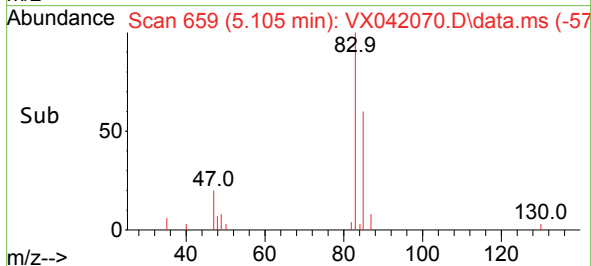
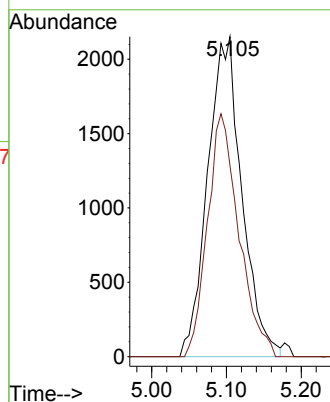
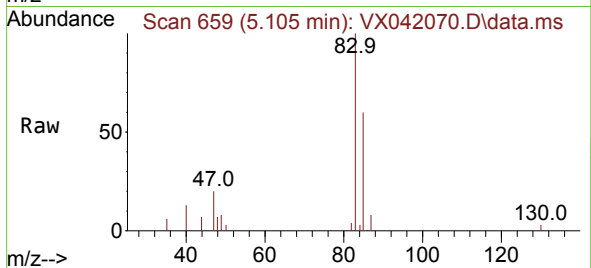
ClientSampleId :

Tgt Ion: 83 Resp: 6852

Ion Ratio Lower Upper

83 100

85 59.8 52.7 79.1



#27

1,2-Dichloroethane-d4

Concen: 29.112 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX042070.D

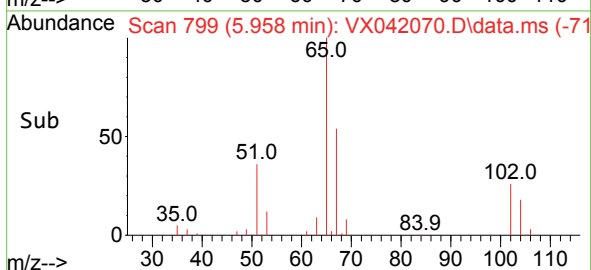
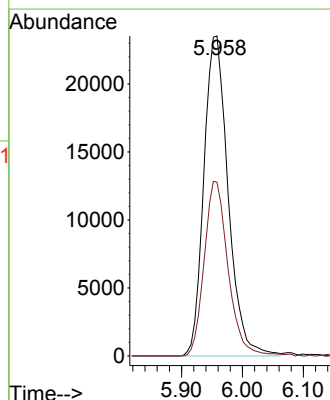
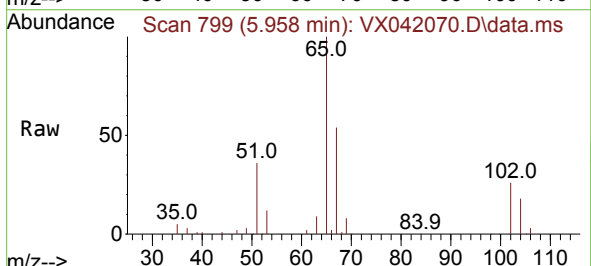
Acq: 27 Jun 2024 13:28

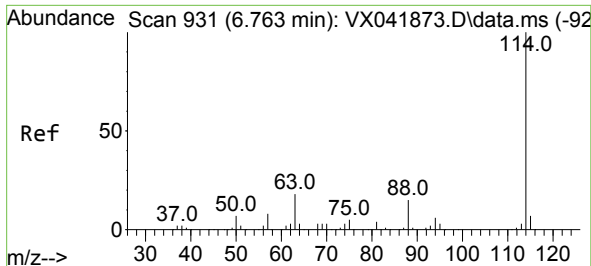
Tgt Ion: 65 Resp: 65163

Ion Ratio Lower Upper

65 100

67 53.6 43.4 65.0

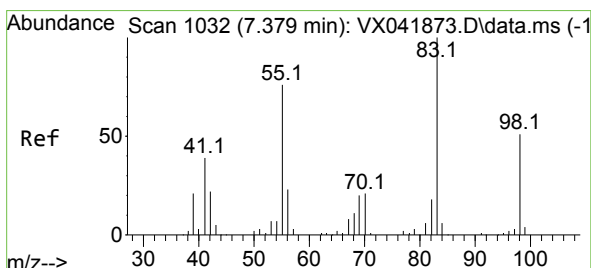
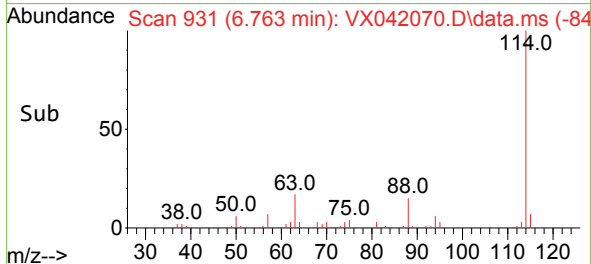
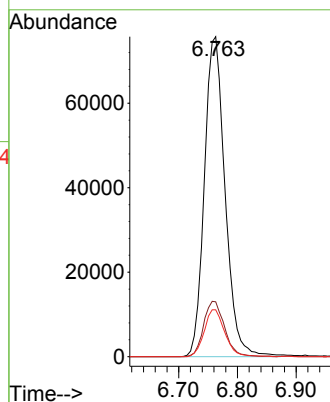
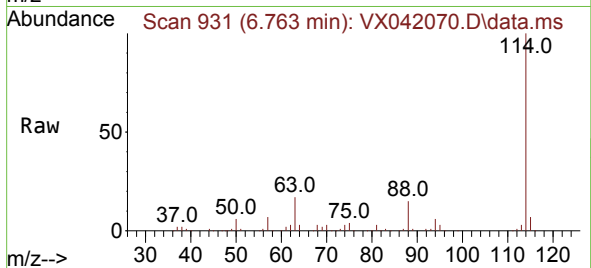




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

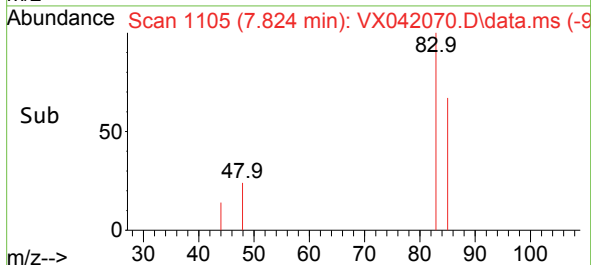
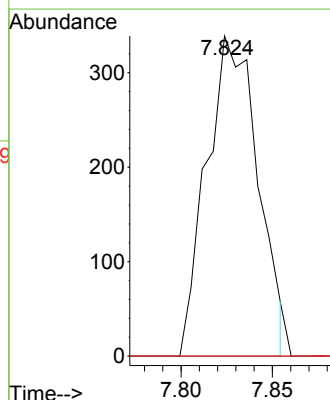
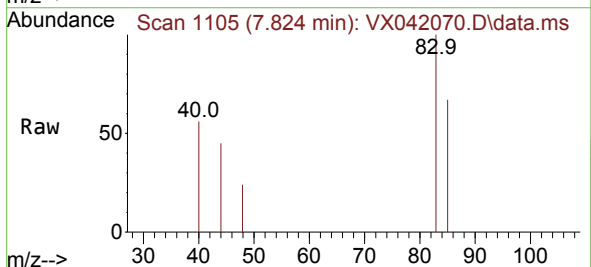
Instrument :
MSVOA_X
ClientSampleId :

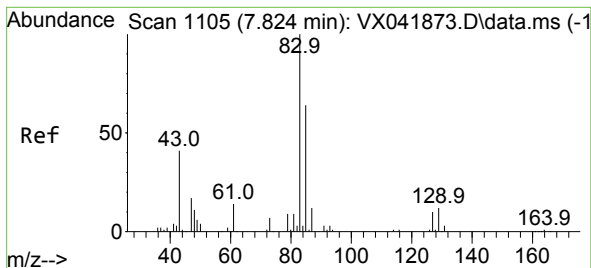
Tgt Ion:114 Resp: 185606
Ion Ratio Lower Upper
114 100
63 17.5 14.6 21.8
88 14.5 11.8 17.8



#38
Methylcyclohexane
Concen: 0.206 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Tgt Ion: 83 Resp: 662
Ion Ratio Lower Upper
83 100
55 0.0 37.3 111.9#
98 0.0 24.8 74.4#





#41

Bromodichloromethane

Concen: 0.260 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

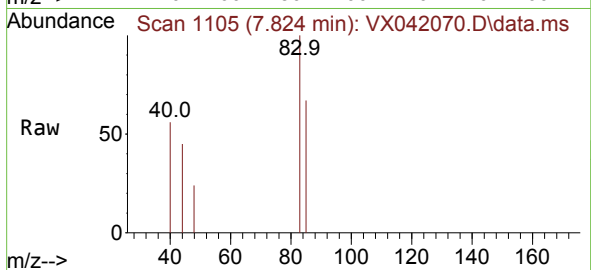
Lab File: VX042070.D

Acq: 27 Jun 2024 13:28

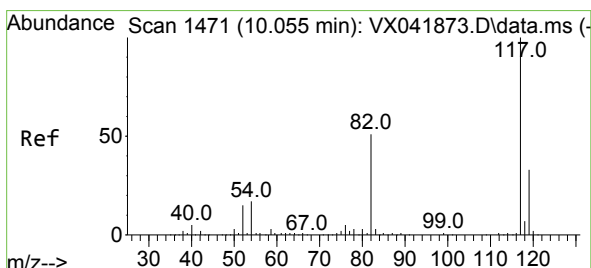
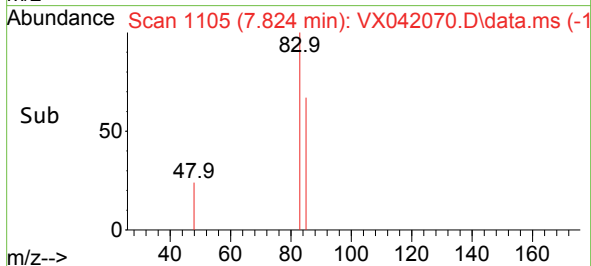
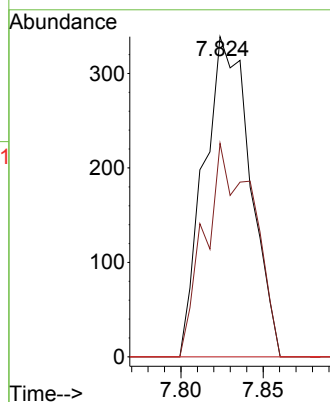
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 83	Resp:	662
Ion	Ratio	Lower Upper
83	100	
85	66.7	51.1 76.7
127	0.0	8.1 12.1#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

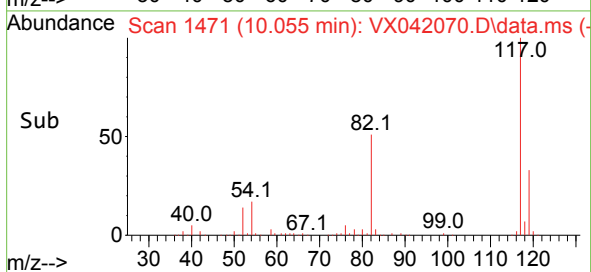
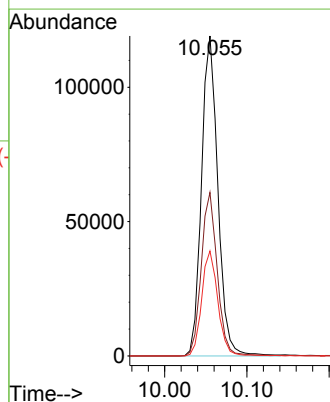
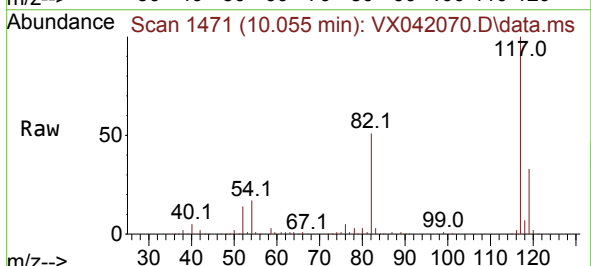
RT: 10.055 min Scan# 1471

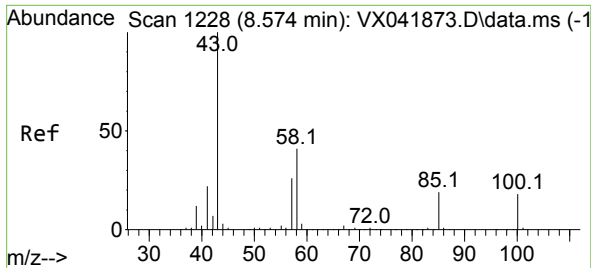
Delta R.T. 0.000 min

Lab File: VX042070.D

Acq: 27 Jun 2024 13:28

Tgt Ion: 117	Resp:	164645
Ion	Ratio	Lower Upper
117	100	
82	50.2	41.1 61.7
119	32.2	26.1 39.1

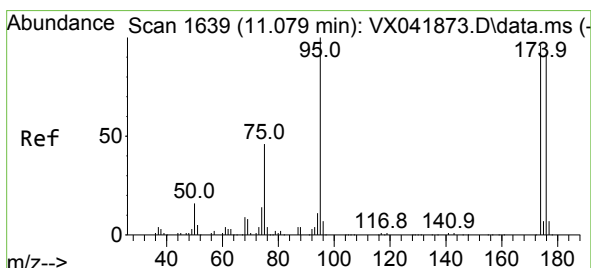
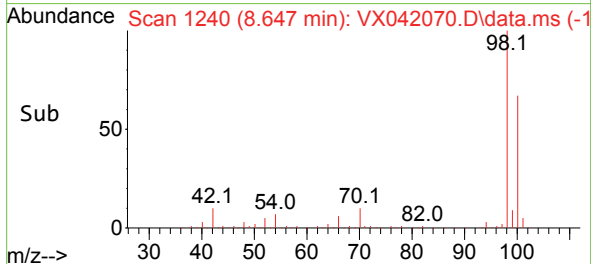
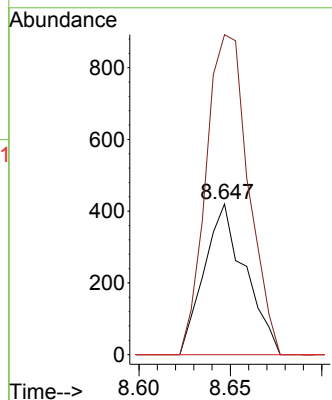
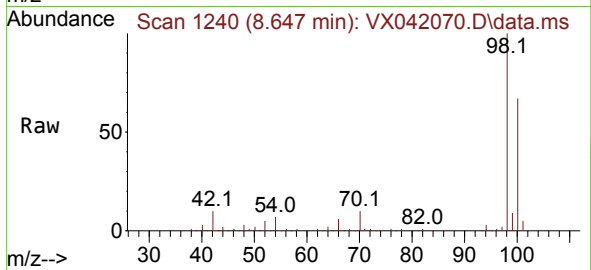




#58
 4-Methyl-2-Pentanone
 Concen: 0.223 ug/l
 RT: 8.647 min Scan# 1240
 Delta R.T. 0.073 min
 Lab File: VX042070.D
 Acq: 27 Jun 2024 13:28

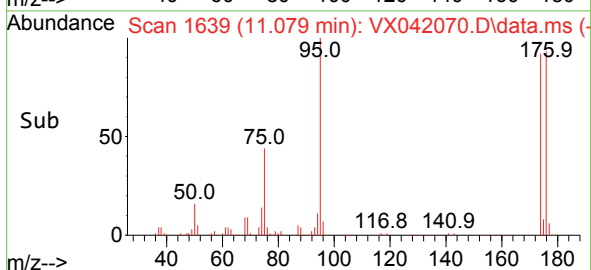
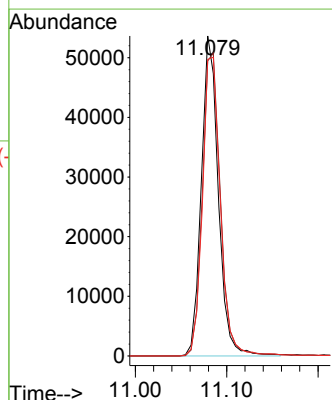
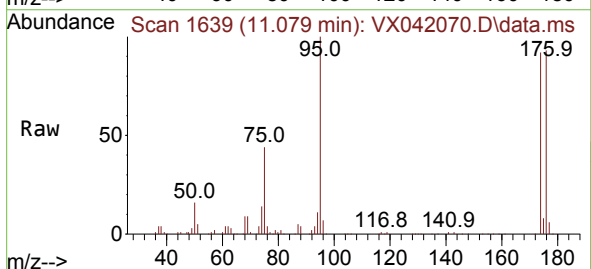
Instrument :
 MSVOA_X
 ClientSampleId :

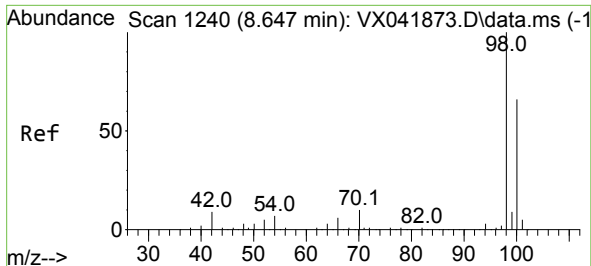
Tgt Ion: 43 Resp: 657
 Ion Ratio Lower Upper
 43 100
 58 219.8 33.2 49.8#
 85 0.0 15.5 23.3#



#60
 4-Bromofluorobenzene
 Concen: 27.156 ug/l
 RT: 11.079 min Scan# 1639
 Delta R.T. 0.000 min
 Lab File: VX042070.D
 Acq: 27 Jun 2024 13:28

Tgt Ion: 95 Resp: 69209
 Ion Ratio Lower Upper
 95 100
 174 100.5 78.9 118.3
 176 97.7 77.1 115.7

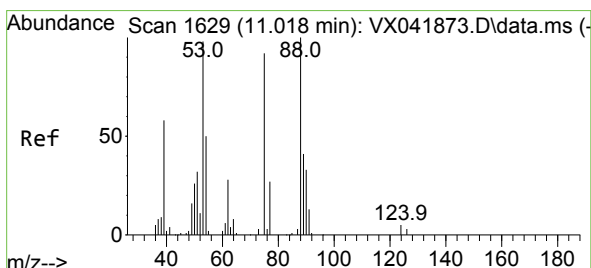
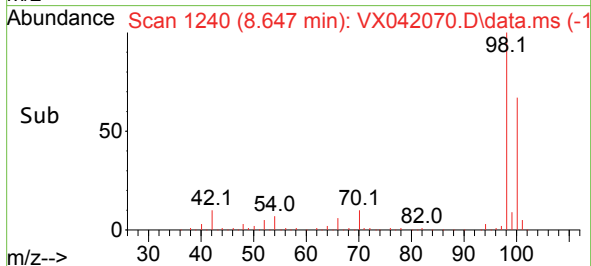
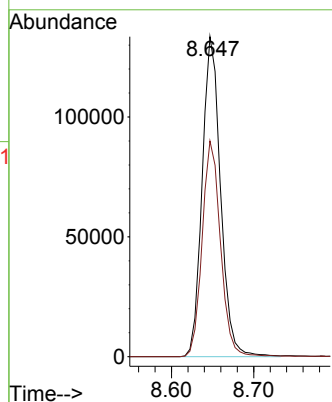
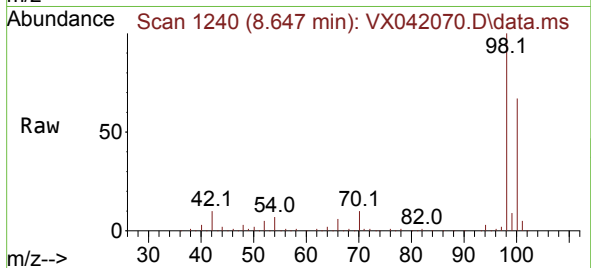




#63
Toluene-d8
Concen: 29.497 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 207781
Ion Ratio Lower Upper
98 100
100 67.0 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.013 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042070.D
Acq: 27 Jun 2024 13:28

Tgt Ion: 75 Resp: 30490
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

