

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042071.D
 Acq On : 27 Jun 2024 13:51
 Operator : JC/MD
 Sample : P3028-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

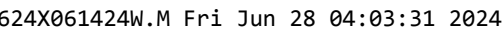
Quant Time: Jun 28 04:03:18 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

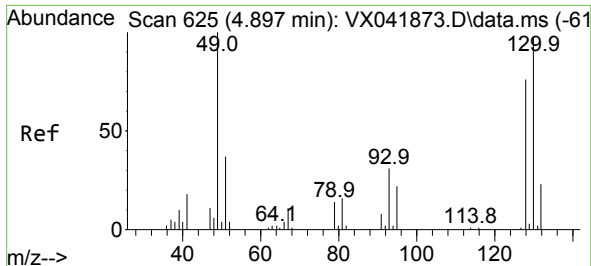
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.904	128	29630	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	145132	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	126213	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	57708	28.292	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	94.300%
60) 4-Bromofluorobenzene	11.079	95	53505	27.387	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.300%
63) Toluene-d8	8.647	98	159354	29.511	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.367%
Target Compounds						
					Qvalue	
3) Chloromethane	1.233	50	528086	246.302	ug/l #	42
5) Bromomethane	1.599	94	3620	3.230	ug/l	95
6) Chloroethane	1.654	64	422102	471.195	ug/l #	49
11) Methyl Iodide	2.453	142	3122	1.325	ug/l	91
15) Acetone	2.392	58	436	1.391	ug/l #	55
18) Methylene Chloride	2.788	84	928	0.447	ug/l #	93
58) 4-Methyl-2-Pentanone	8.653	43	571	0.252	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	24028	32.910	ug/l #	7
91) Naphthalene	13.780	128	1650	0.218	ug/l #	89

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

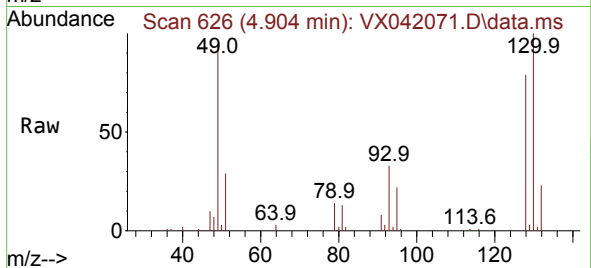
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
Response via : Initial Calibration



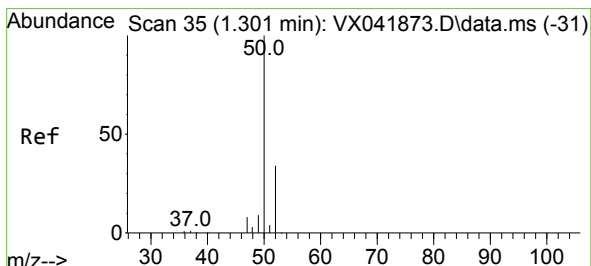
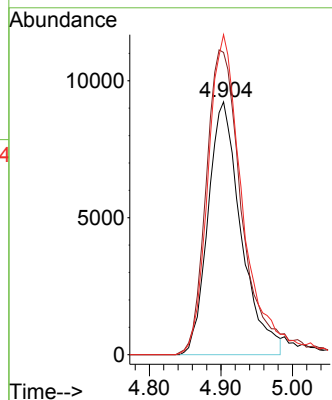
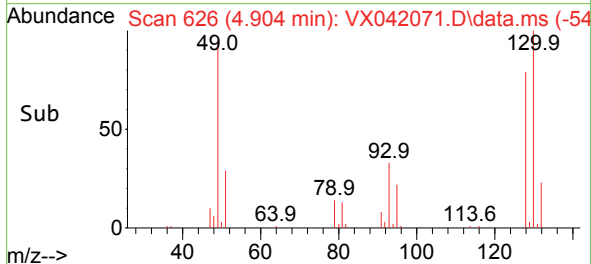


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :

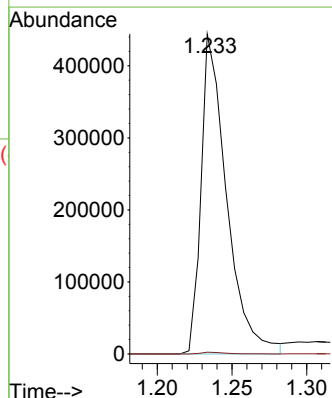
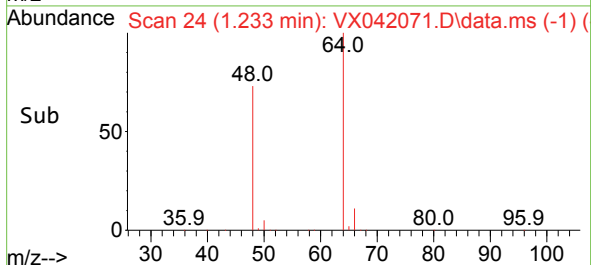
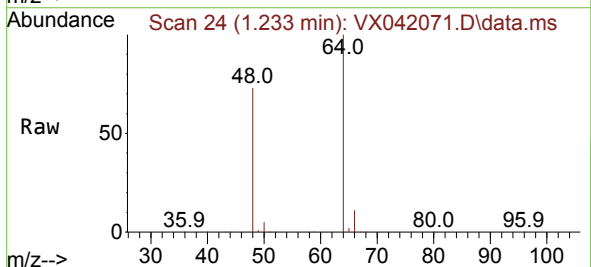


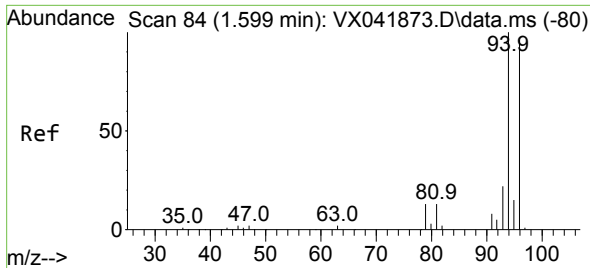
Tgt Ion:128 Resp: 29630
Ion Ratio Lower Upper
128 100
49 130.0 0.0 338.5
130 132.7 0.0 324.5



#3
Chloromethane
Concen: 246.302 ug/l
RT: 1.233 min Scan# 24
Delta R.T. -0.067 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Tgt Ion: 50 Resp: 528086
Ion Ratio Lower Upper
50 100
52 0.6 26.9 40.3#

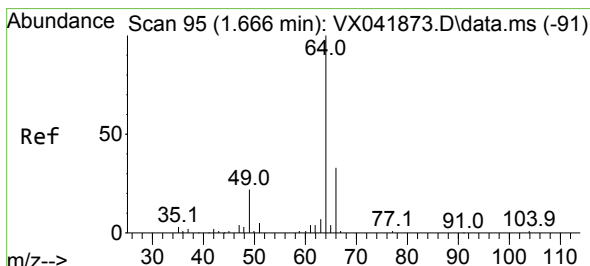
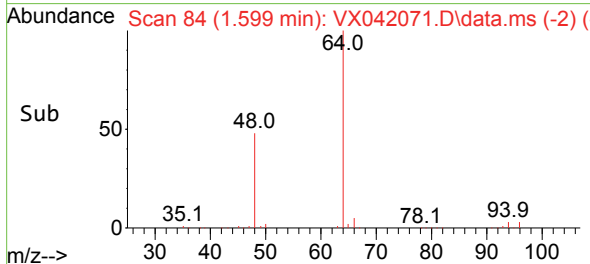
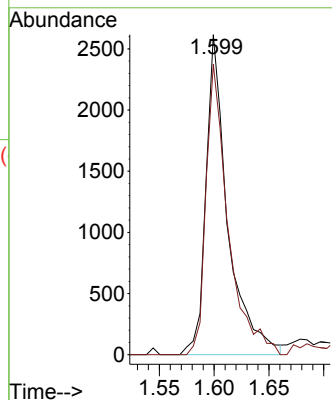
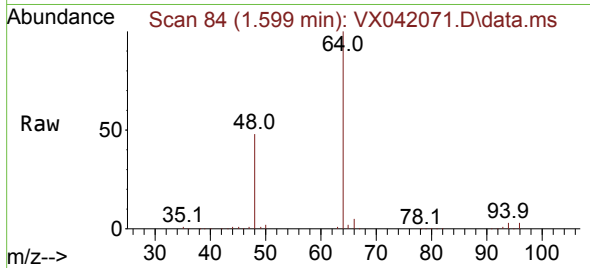




#5
Bromomethane
Concen: 3.230 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

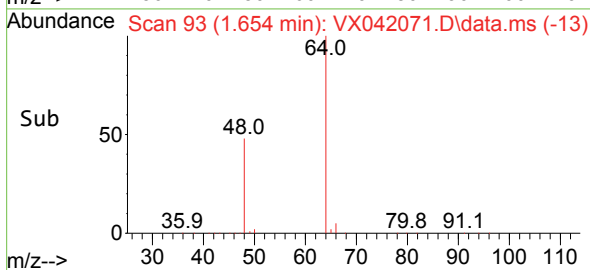
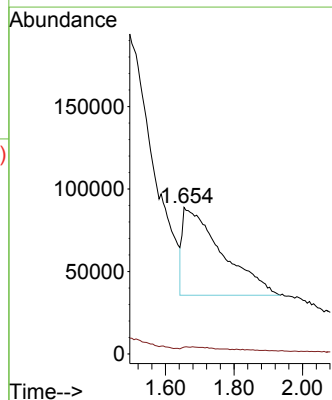
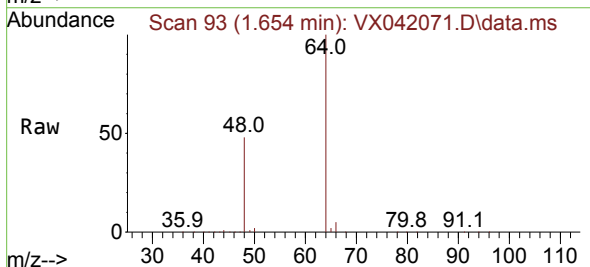
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MSVOA_X
ClientSampleId :

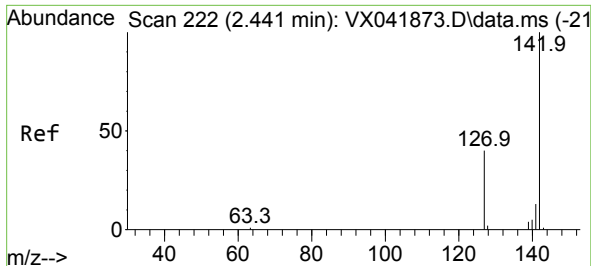
Tgt Ion: 94 Resp: 3620
Ion Ratio Lower Upper
94 100
96 90.7 76.6 115.0



#6
Chloroethane
Concen: 471.195 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.012 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

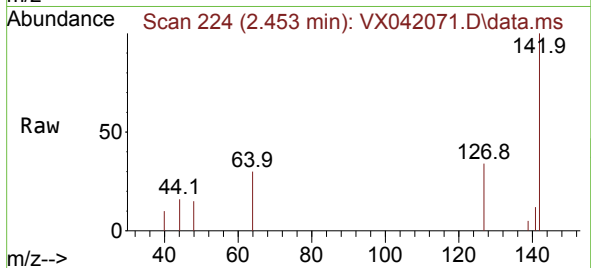
Tgt Ion: 64 Resp: 422102
Ion Ratio Lower Upper
64 100
66 4.3 26.4 39.6#



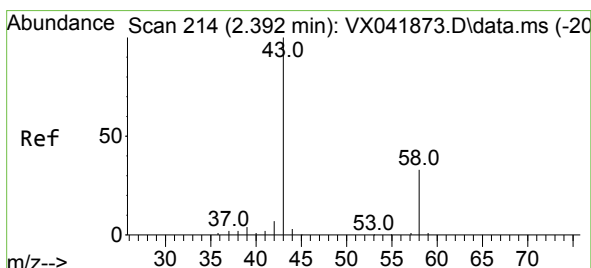
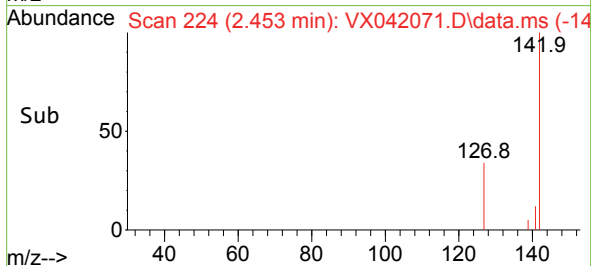
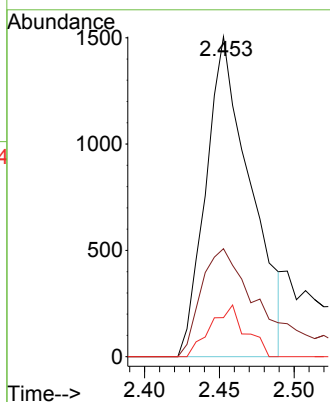


#11
Methyl Iodide
Concen: 1.325 ug/l
RT: 2.453 min Scan# 211
Delta R.T. 0.012 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :

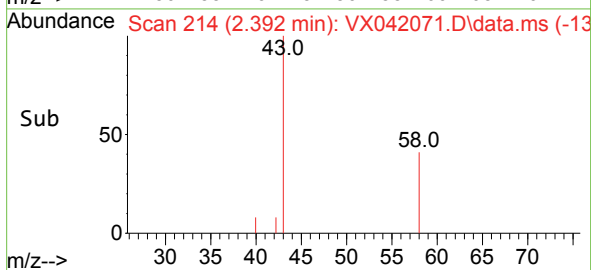
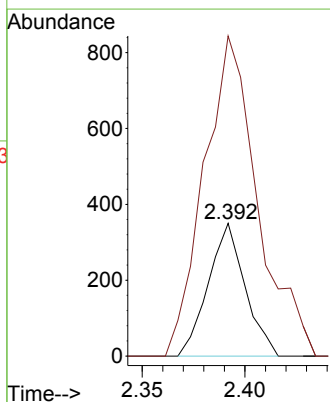
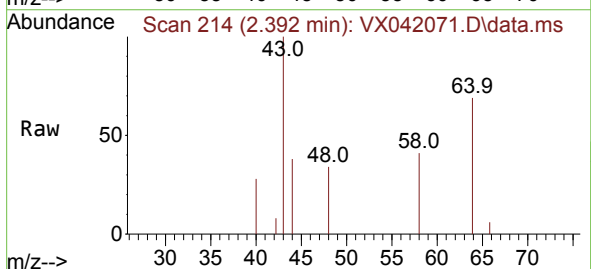


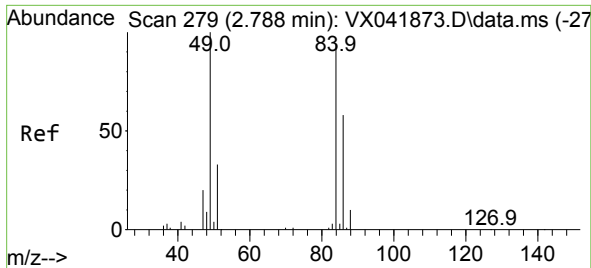
Tgt Ion:142 Resp: 3122
Ion Ratio Lower Upper
142 100
127 32.8 19.8 59.3
141 14.1 6.7 20.1



#15
Acetone
Concen: 1.391 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

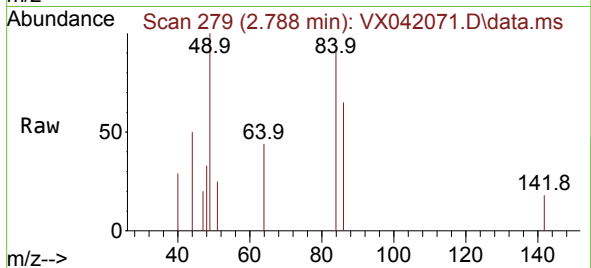
Tgt Ion: 58 Resp: 436
Ion Ratio Lower Upper
58 100
43 214.3 243.4 365.2#



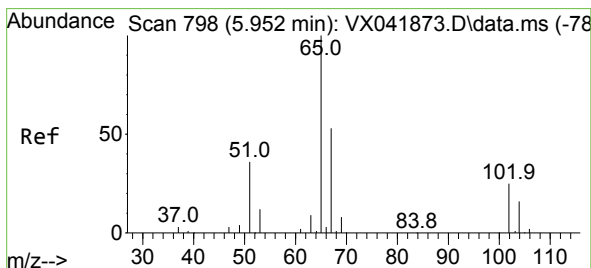
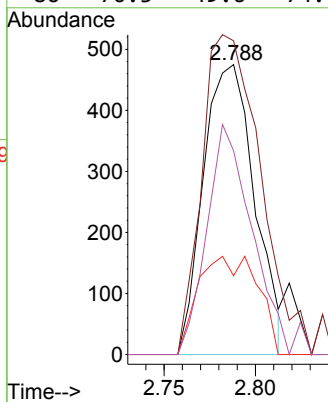
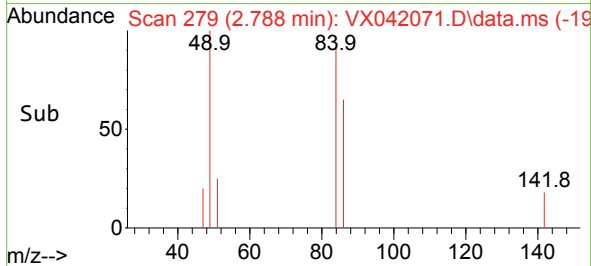


#18
Methylene Chloride
Concen: 0.447 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :

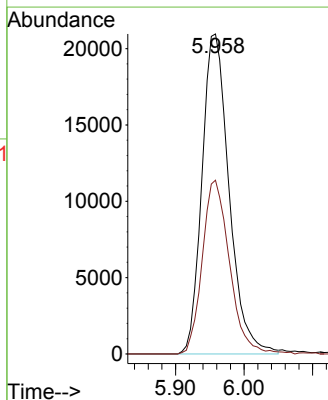
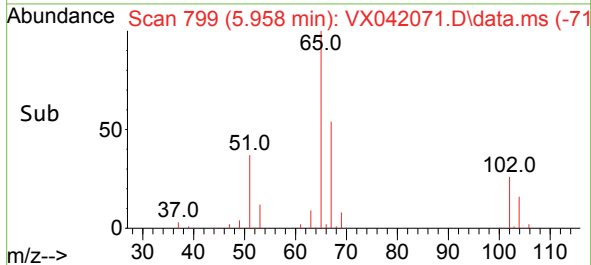
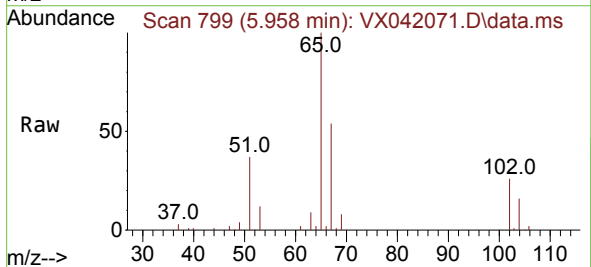


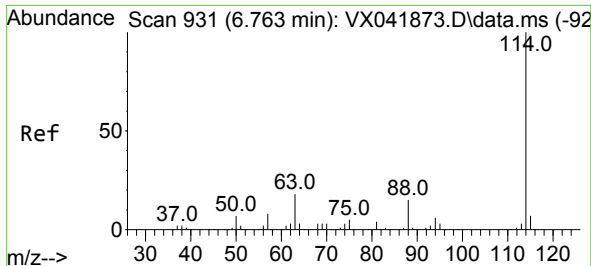
Tgt Ion:	84	Resp:	928
Ion	Ratio	Lower	Upper
84	100		
49	108.2	85.3	127.9
51	27.2	28.5	42.7#
86	70.3	49.6	74.4



#27
1,2-Dichloroethane-d4
Concen: 28.292 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.006 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Tgt Ion:	65	Resp:	57708
Ion	Ratio	Lower	Upper
65	100		
67	54.5	43.4	65.0

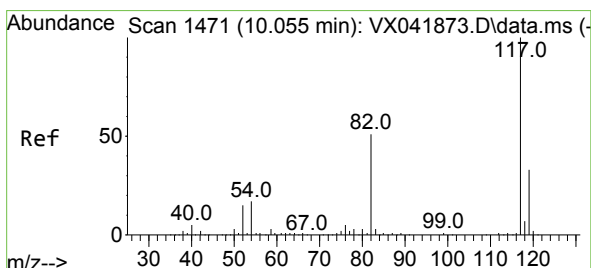
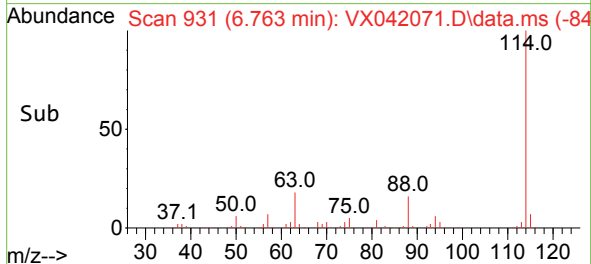
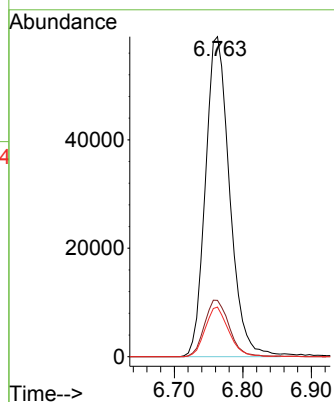
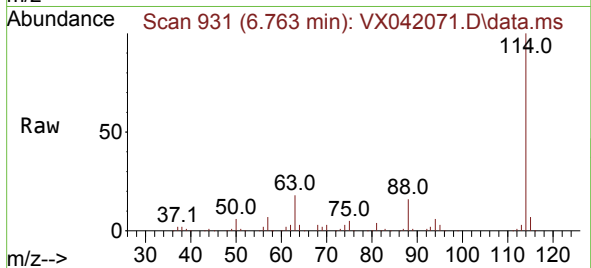




#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 91
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

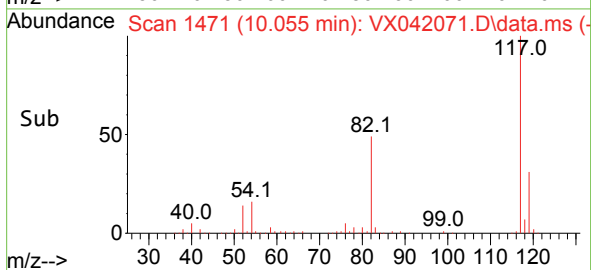
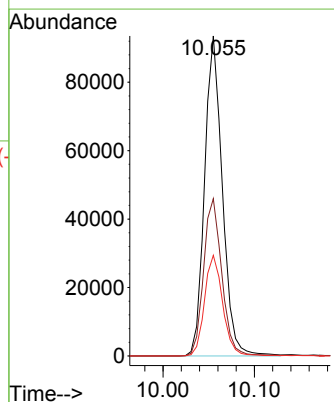
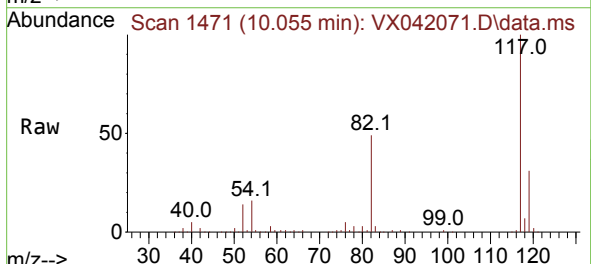
Instrument :
MSVOA_X
ClientSampleId :

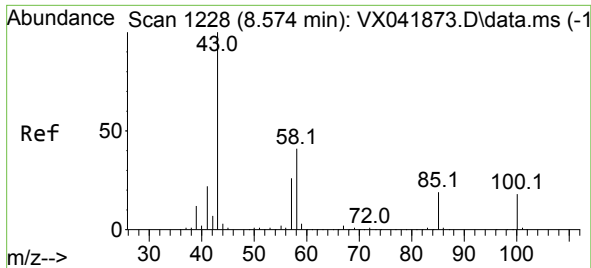
Tgt Ion:114 Resp: 145132
Ion Ratio Lower Upper
114 100
63 17.9 14.6 21.8
88 15.0 11.8 17.8



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Tgt Ion:117 Resp: 126213
Ion Ratio Lower Upper
117 100
82 50.3 41.1 61.7
119 32.1 26.1 39.1

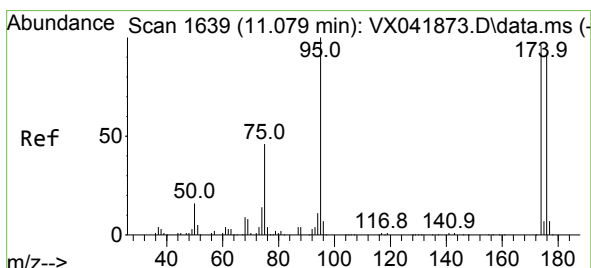
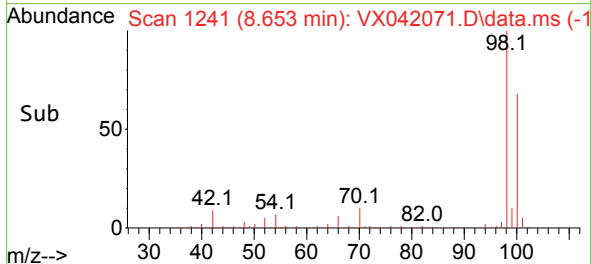
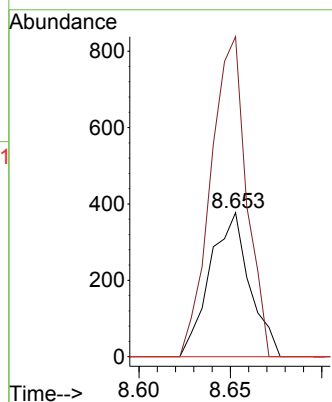
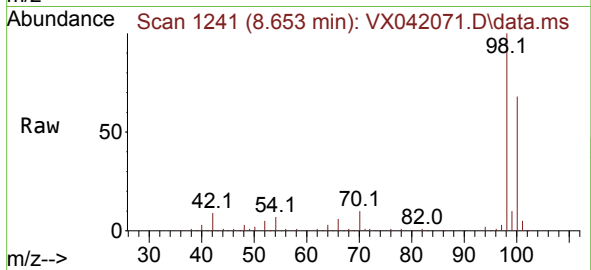




#58
4-Methyl-2-Pentanone
Concen: 0.252 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

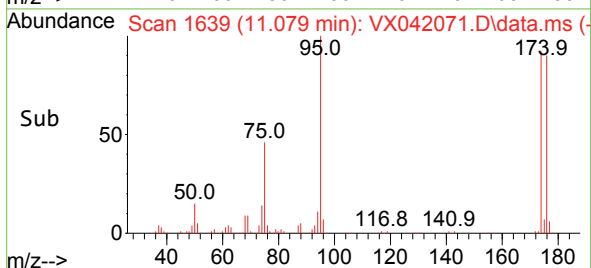
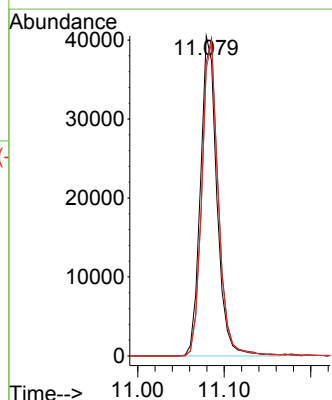
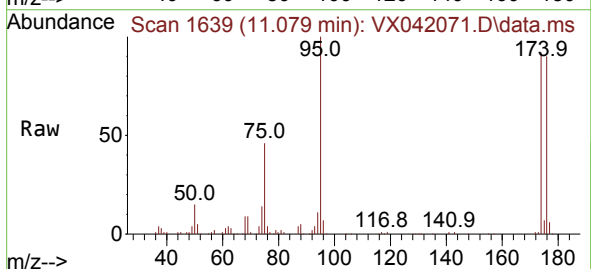
Instrument :
MSVOA_X
ClientSampleId :

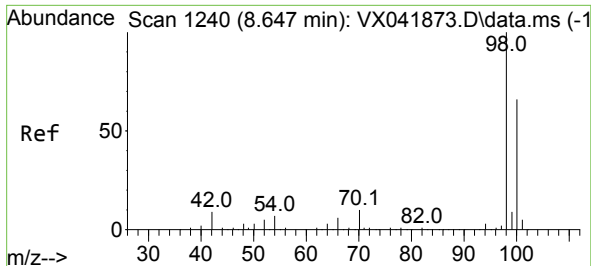
Tgt Ion: 43 Resp: 571
Ion Ratio Lower Upper
43 100
58 200.0 33.2 49.8#
85 0.0 15.5 23.3#



#60
4-Bromofluorobenzene
Concen: 27.387 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Tgt Ion: 95 Resp: 53505
Ion Ratio Lower Upper
95 100
174 99.2 78.9 118.3
176 96.9 77.1 115.7

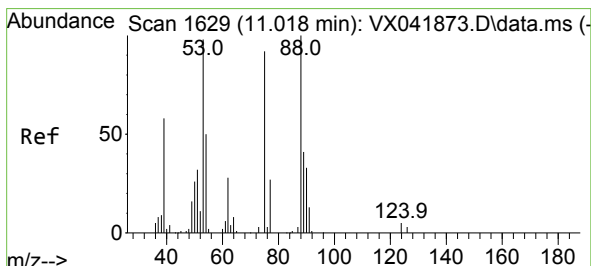
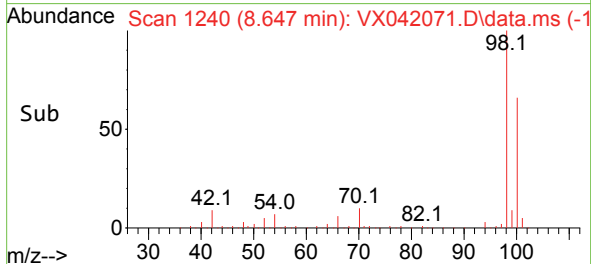
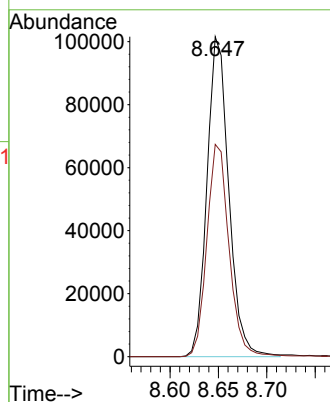
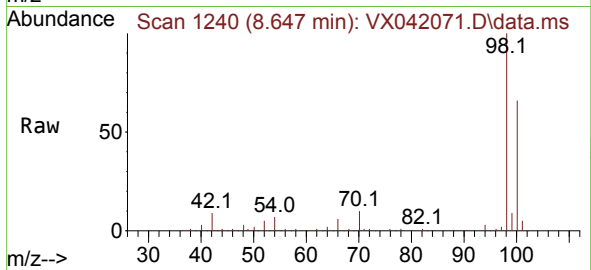




#63
Toluene-d8
Concen: 29.511 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

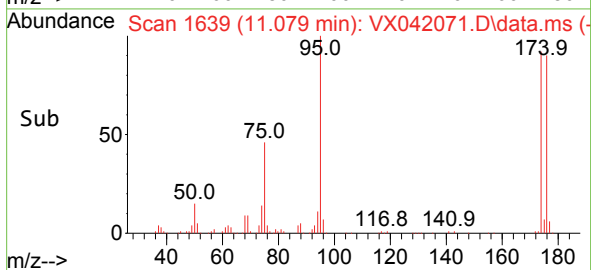
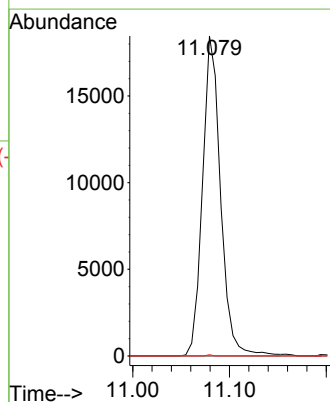
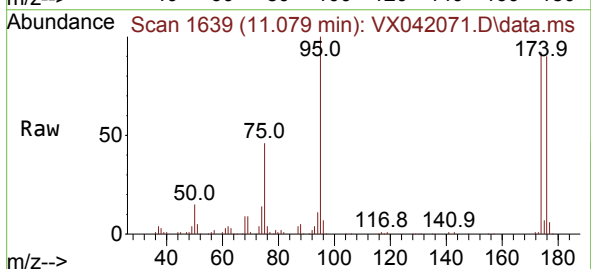
Instrument :
MSVOA_X
ClientSampleId :

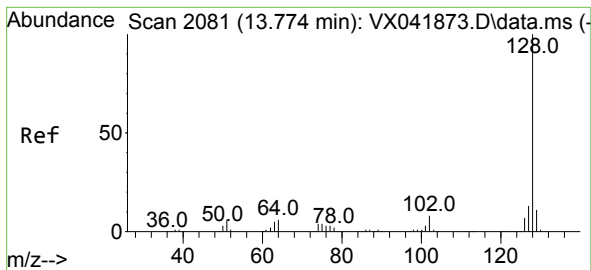
Tgt Ion: 98 Resp: 159354
Ion Ratio Lower Upper
98 100
100 67.5 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 32.910 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

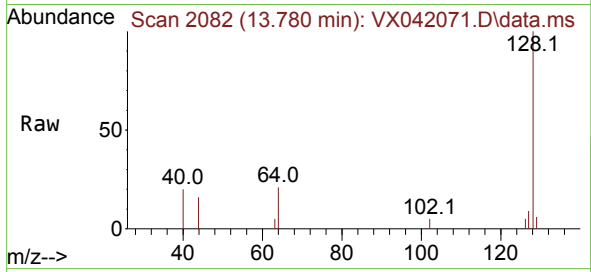
Tgt Ion: 75 Resp: 24028
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.4 22.5 67.5#





#91
Naphthalene
Concen: 0.218 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX042071.D
Acq: 27 Jun 2024 13:51

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion:128 Resp: 1650
Ion Ratio Lower Upper
128 100
127 12.2 10.4 15.6
129 2.8 8.7 13.1#

