

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062724\
 Data File : VX042076.D
 Acq On : 27 Jun 2024 15:48
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 28 04:05:25 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)

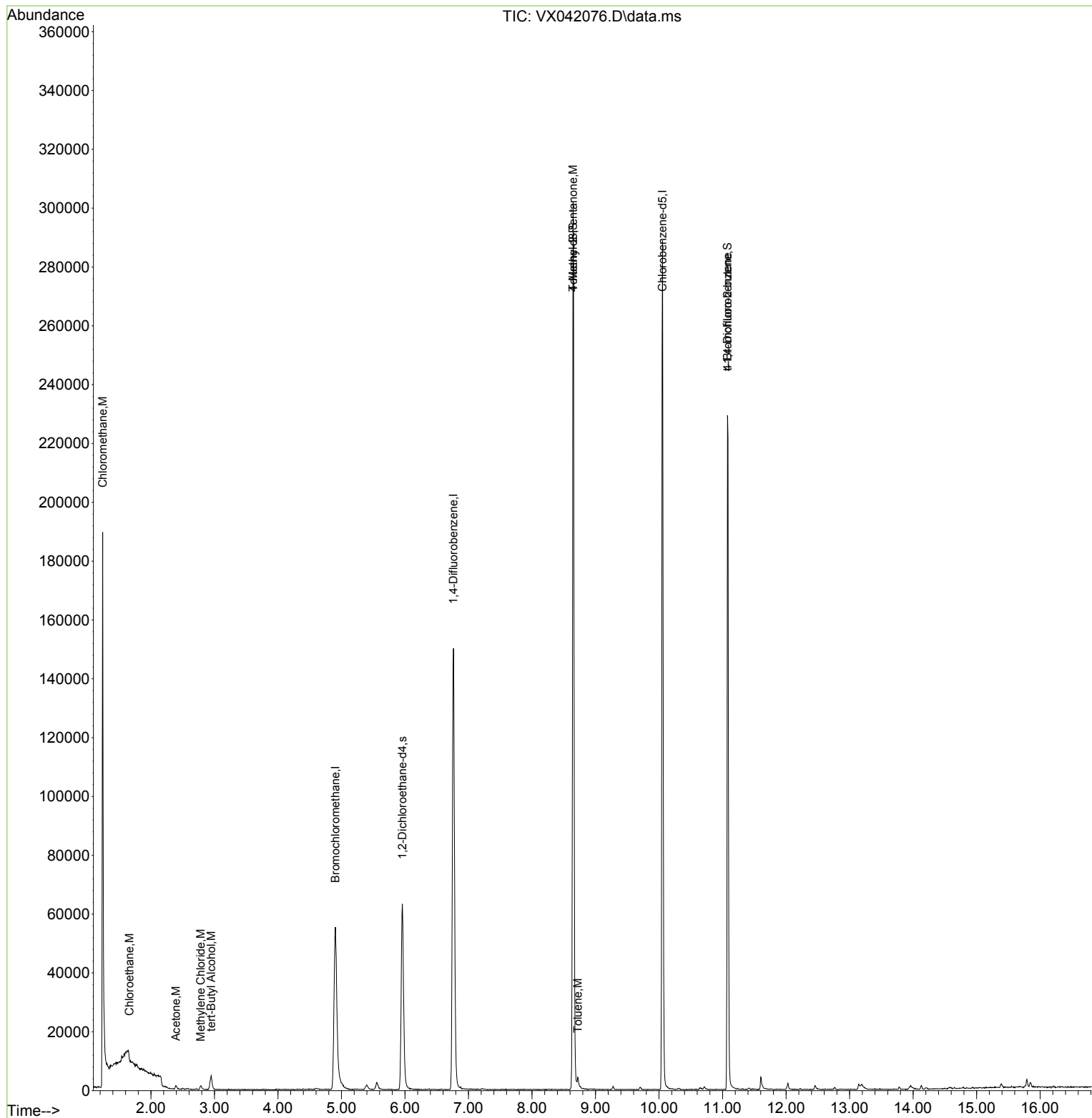
Internal Standards						
1) Bromochloromethane	4.904	128	29880	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	169041	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	148682	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	58691	28.534	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	95.100%
60) 4-Bromofluorobenzene	11.079	95	62747	27.264	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	90.867%
63) Toluene-d8	8.647	98	190484	29.945	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	99.800%
Target Compounds						
					Qvalue	
3) Chloromethane	1.240	50	2911	1.346	ug/l #	41
6) Chloroethane	1.660	64	1081	1.197	ug/l #	58
15) Acetone	2.392	58	388	1.227	ug/l #	32
18) Methylene Chloride	2.782	84	797	0.381	ug/l #	91
23) tert-Butyl Alcohol	2.947	59	2802	6.820	ug/l #	100
58) 4-Methyl-2-Pentanone	8.647	43	659	0.247	ug/l #	1
62) Toluene	8.720	91	2624	0.349	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	28612	33.267	ug/l #	7

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

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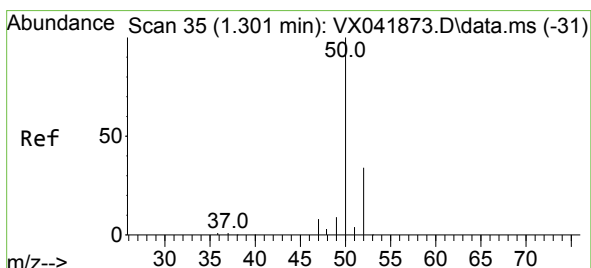
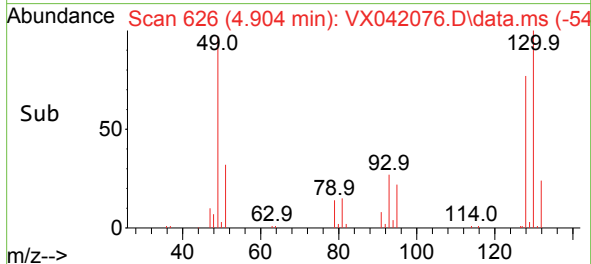
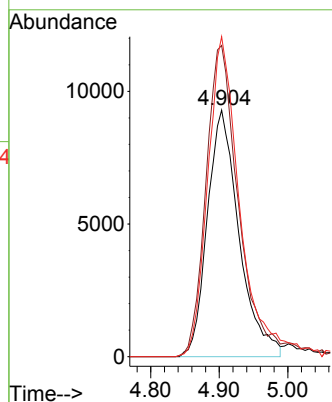
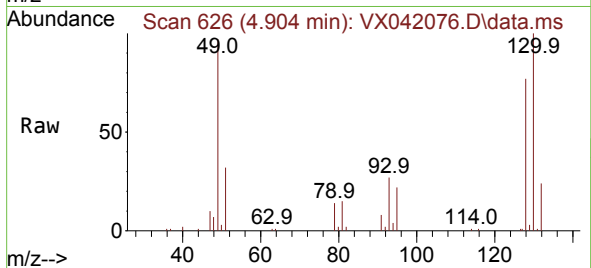




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

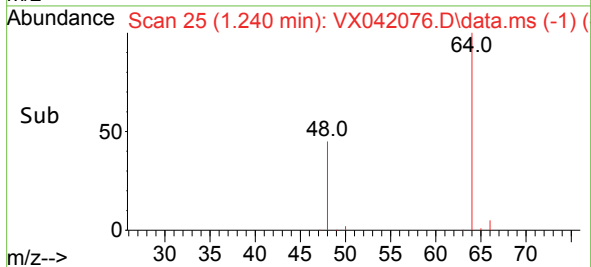
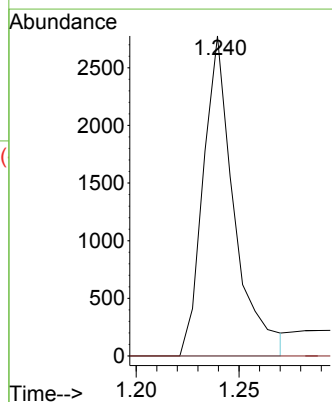
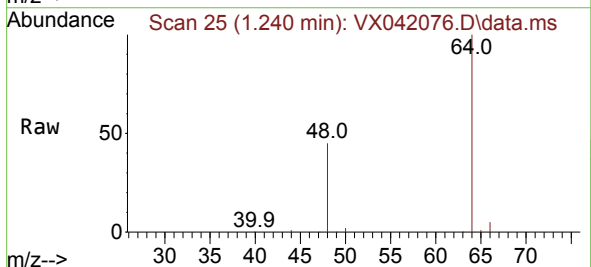
Instrument :
MSVOA_X
ClientSampleId :

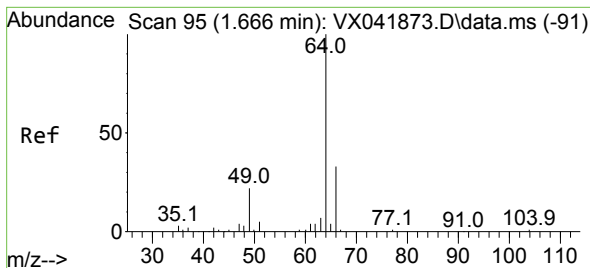
Tgt Ion:128 Resp: 29880
Ion Ratio Lower Upper
128 100
49 126.3 0.0 338.5
130 130.3 0.0 324.5



#3
Chloromethane
Concen: 1.346 ug/l
RT: 1.240 min Scan# 25
Delta R.T. -0.061 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion: 50 Resp: 2911
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

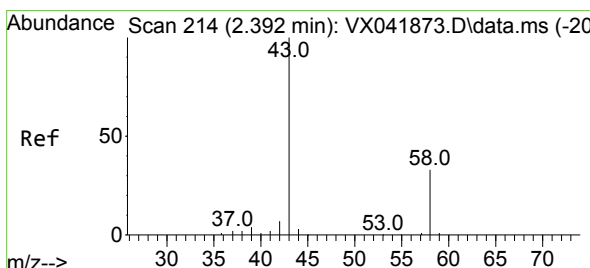
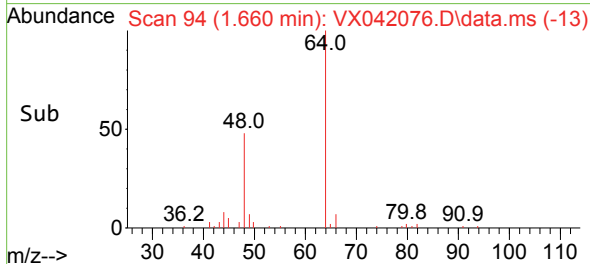
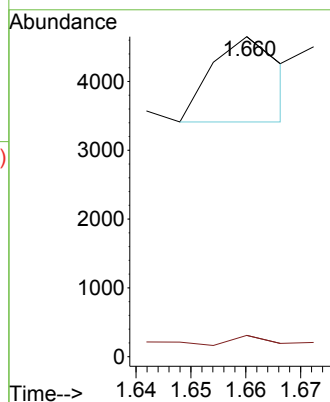
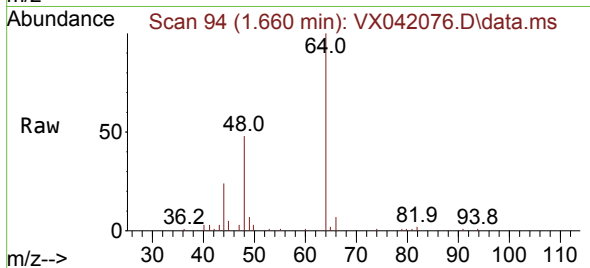




#6
Chloroethane
Concen: 1.197 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

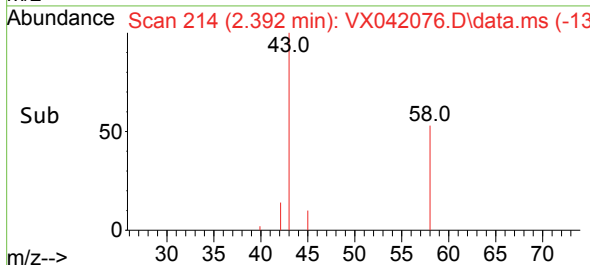
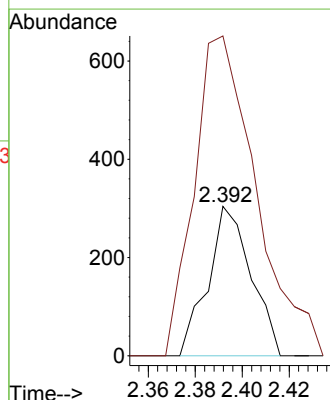
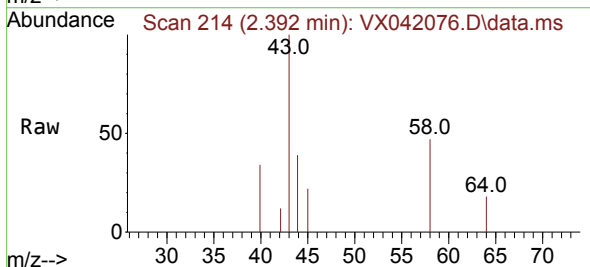
Instrument :
MSVOA_X
ClientSampleId :

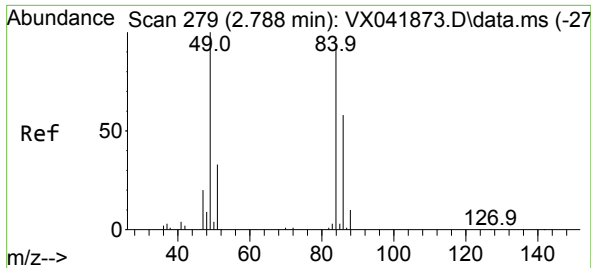
Tgt Ion: 64 Resp: 1081
Ion Ratio Lower Upper
64 100
66 9.4 26.4 39.6#



#15
Acetone
Concen: 1.227 ug/l
RT: 2.392 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

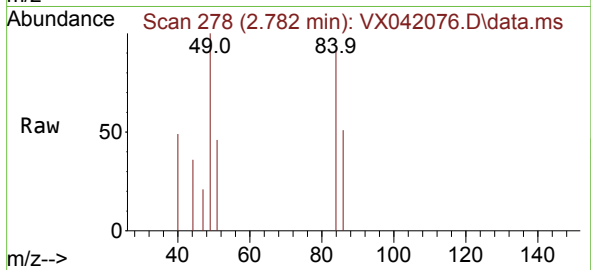
Tgt Ion: 58 Resp: 388
Ion Ratio Lower Upper
58 100
43 169.1 243.4 365.2#



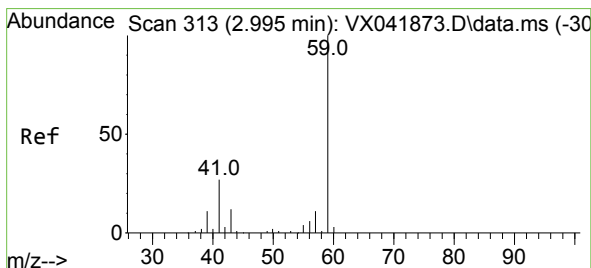
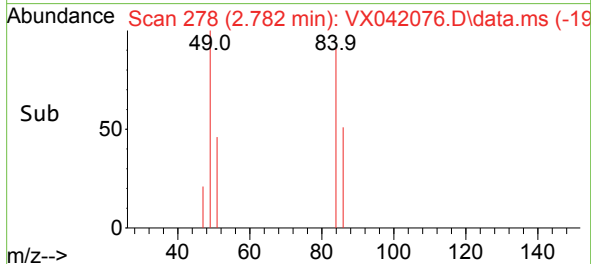
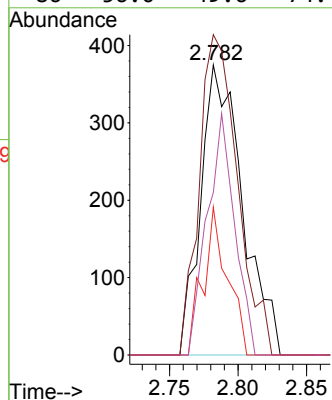


#18
Methylene Chloride
Concen: 0.381 ug/l
RT: 2.782 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Instrument :
MSVOA_X
ClientSampleId :

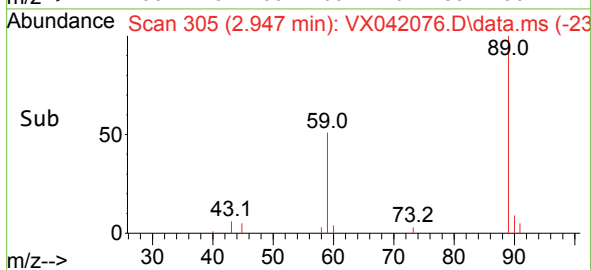
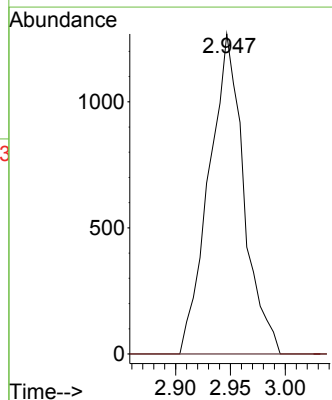
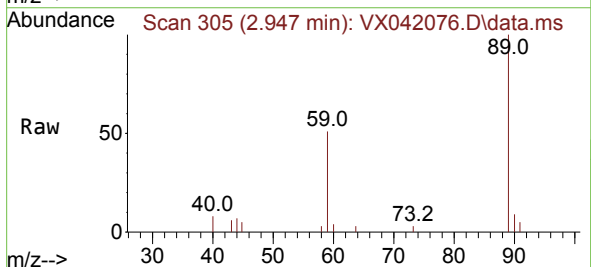


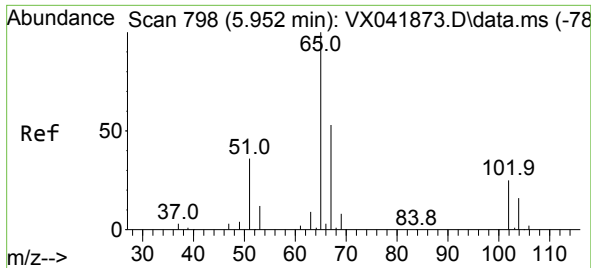
Tgt Ion:	84	Resp:	797
Ion	Ratio	Lower	Upper
84	100		
49	110.4	85.3	127.9
51	50.9	28.5	42.7#
86	56.0	49.6	74.4



#23
tert-Butyl Alcohol
Concen: 6.820 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.049 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion:	59	Resp:	2802
Ion	Ratio	Lower	Upper
59	100		
52	0.0	0.0	0.0

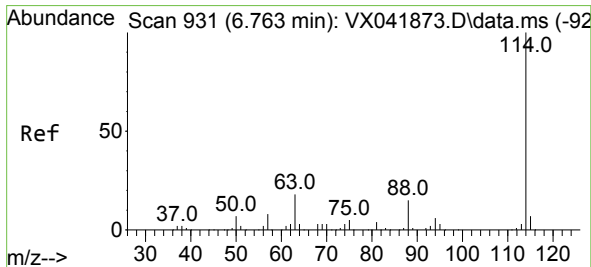
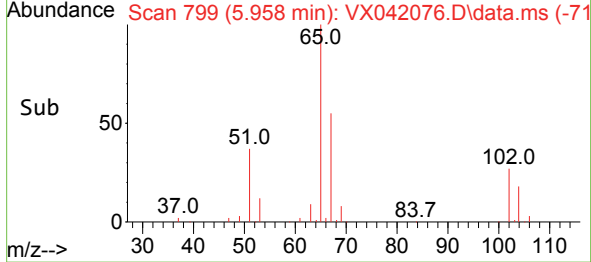
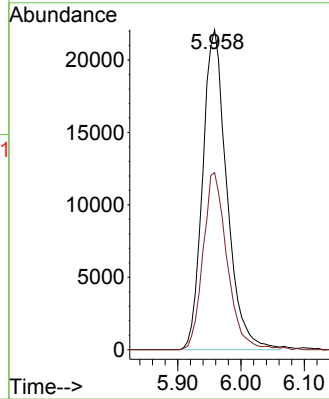
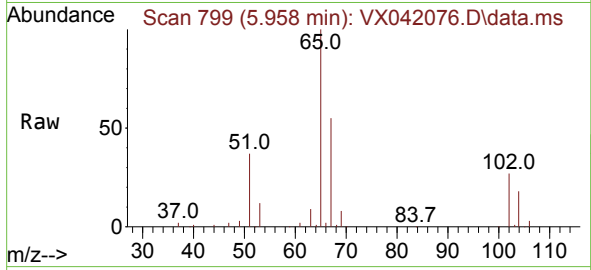




#27
1,2-Dichloroethane-d4
Concen: 28.534 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

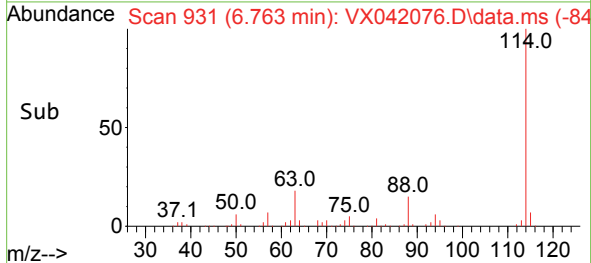
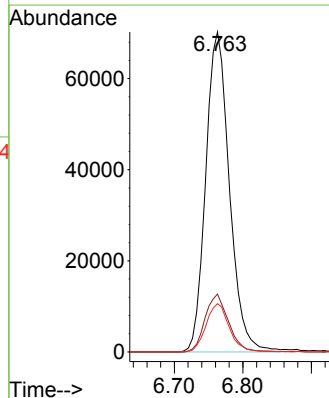
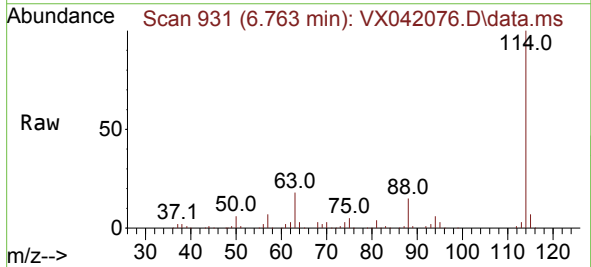
Instrument :
MSVOA_X
ClientSampleId :

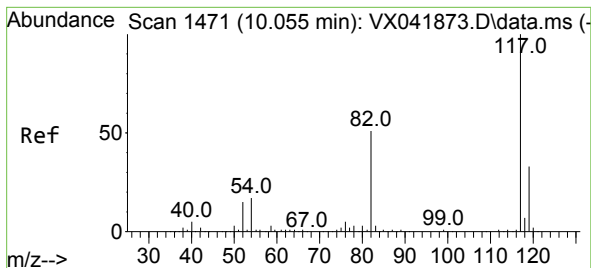
Tgt Ion: 65 Resp: 58691
Ion Ratio Lower Upper
65 100
67 54.4 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion: 114 Resp: 169041
Ion Ratio Lower Upper
114 100
63 18.0 14.6 21.8
88 14.9 11.8 17.8

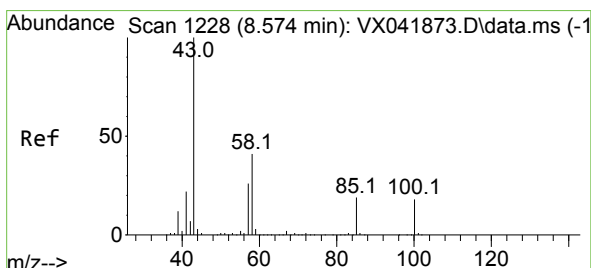
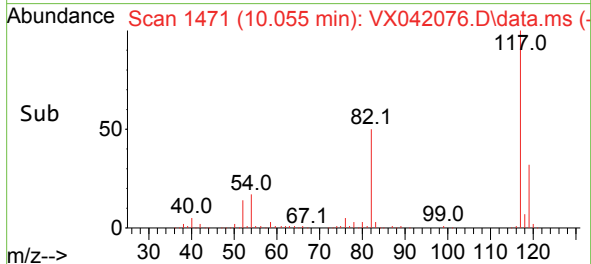
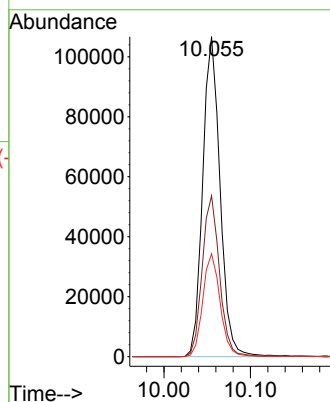
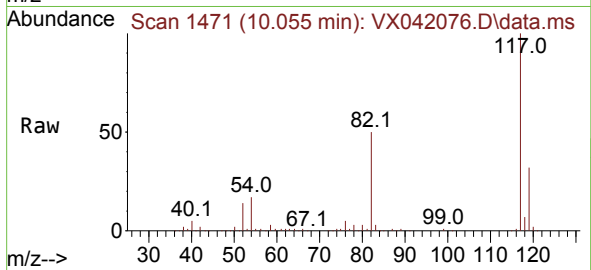




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

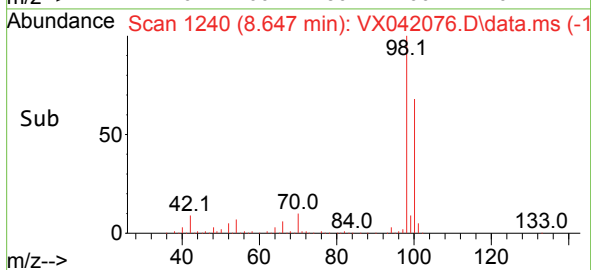
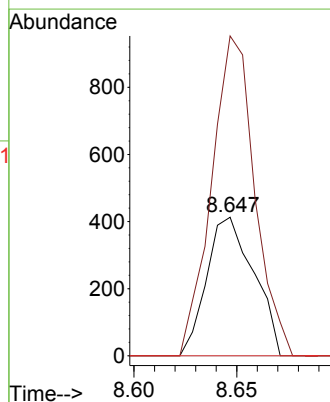
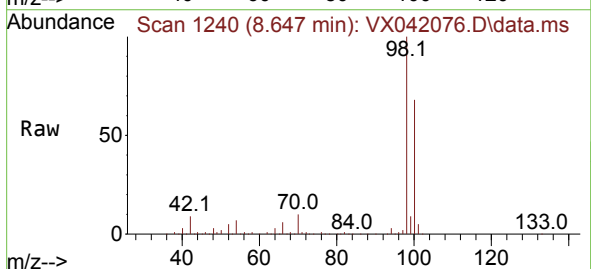
Instrument :
MSVOA_X
ClientSampleId :

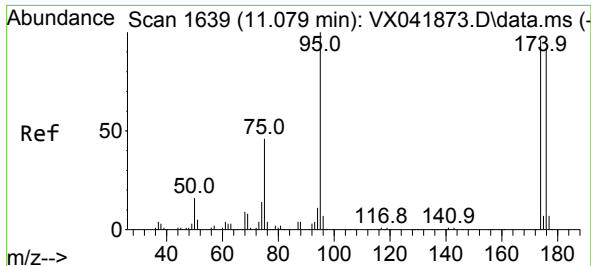
Tgt Ion:117 Resp: 148682
Ion Ratio Lower Upper
117 100
82 50.0 41.1 61.7
119 32.2 26.1 39.1



#58
4-Methyl-2-Pentanone
Concen: 0.247 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.073 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion: 43 Resp: 659
Ion Ratio Lower Upper
43 100
58 211.7 33.2 49.8#
85 0.0 15.5 23.3#

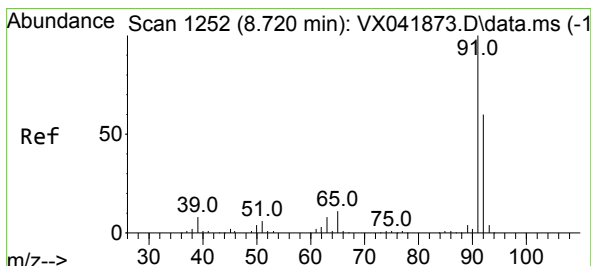
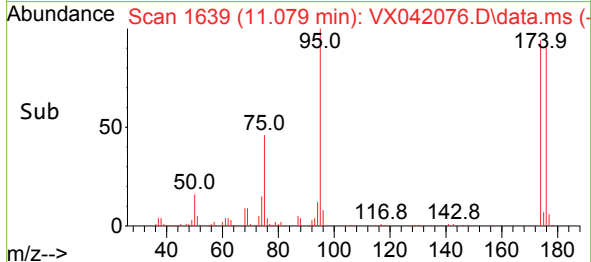
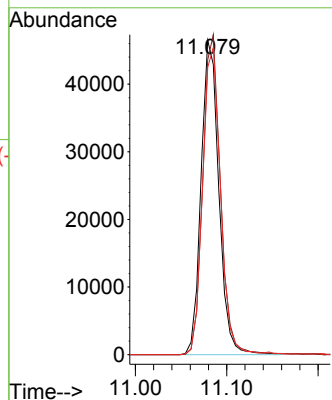
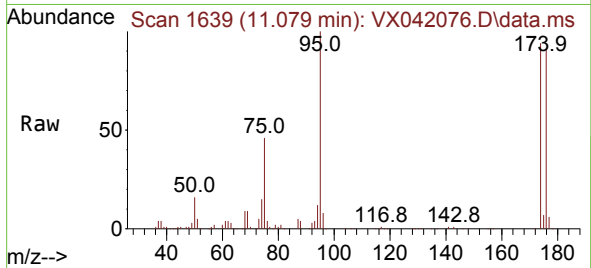




#60
4-Bromofluorobenzene
Concen: 27.264 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

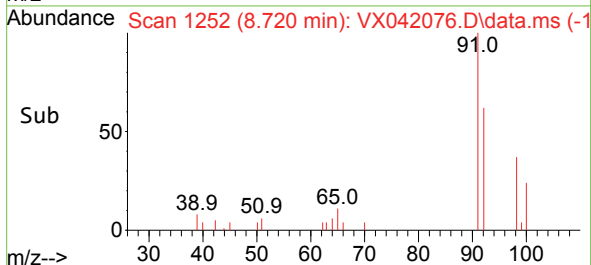
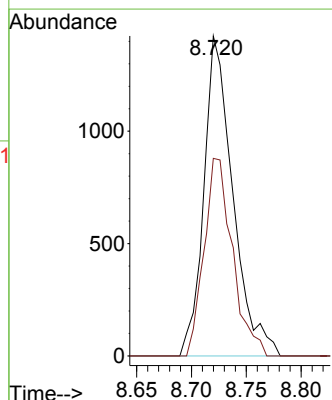
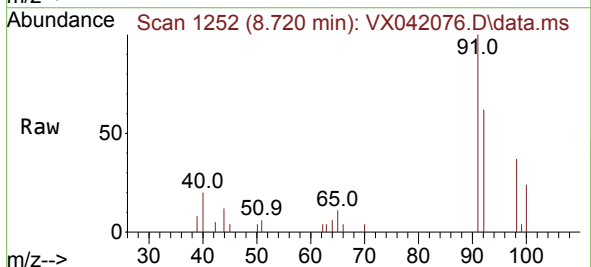
Instrument :
MSVOA_X
ClientSampleId :

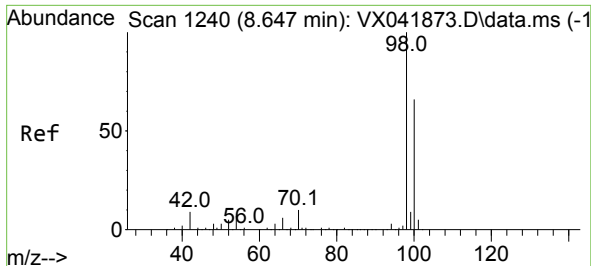
Tgt Ion: 95 Resp: 62747
Ion Ratio Lower Upper
95 100
174 100.3 78.9 118.3
176 98.2 77.1 115.7



#62
Toluene
Concen: 0.349 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion: 91 Resp: 2624
Ion Ratio Lower Upper
91 100
92 60.3 47.4 71.2

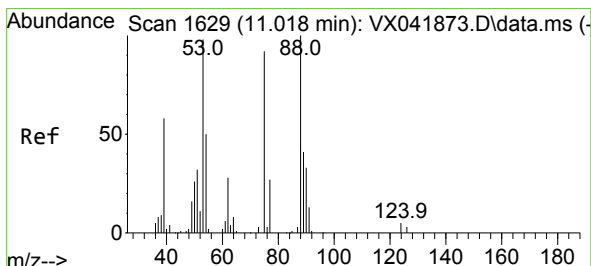
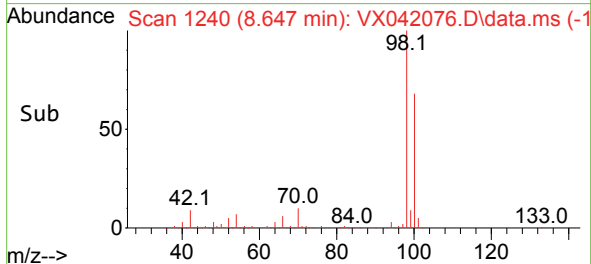
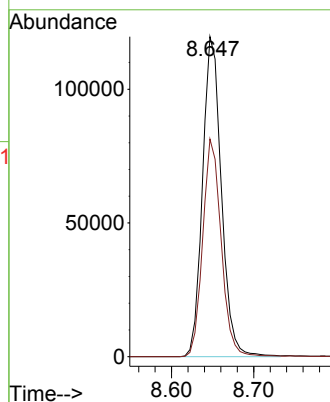
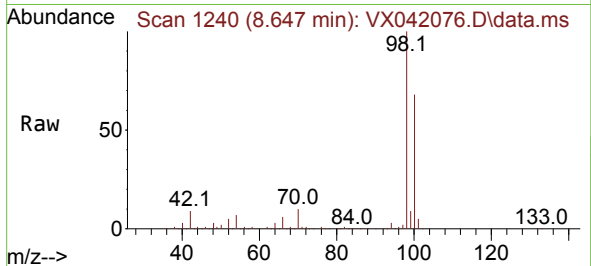




#63
Toluene-d8
Concen: 29.945 ug/l
RT: 8.647 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 190484
Ion Ratio Lower Upper
98 100
100 66.7 52.7 79.1



#77
t-1,4-Dichloro-2-butene
Concen: 33.267 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX042076.D
Acq: 27 Jun 2024 15:48

Tgt Ion: 75 Resp: 28612
Ion Ratio Lower Upper
75 100
53 0.0 53.4 160.2#
89 0.0 22.5 67.5#

