

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
 Data File : VX043069.D
 Acq On : 16 Aug 2024 12:29
 Operator : JC/MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Aug 16 23:54:22 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Tue Aug 13 13:22:56 2024
 Response via : Initial Calibration

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

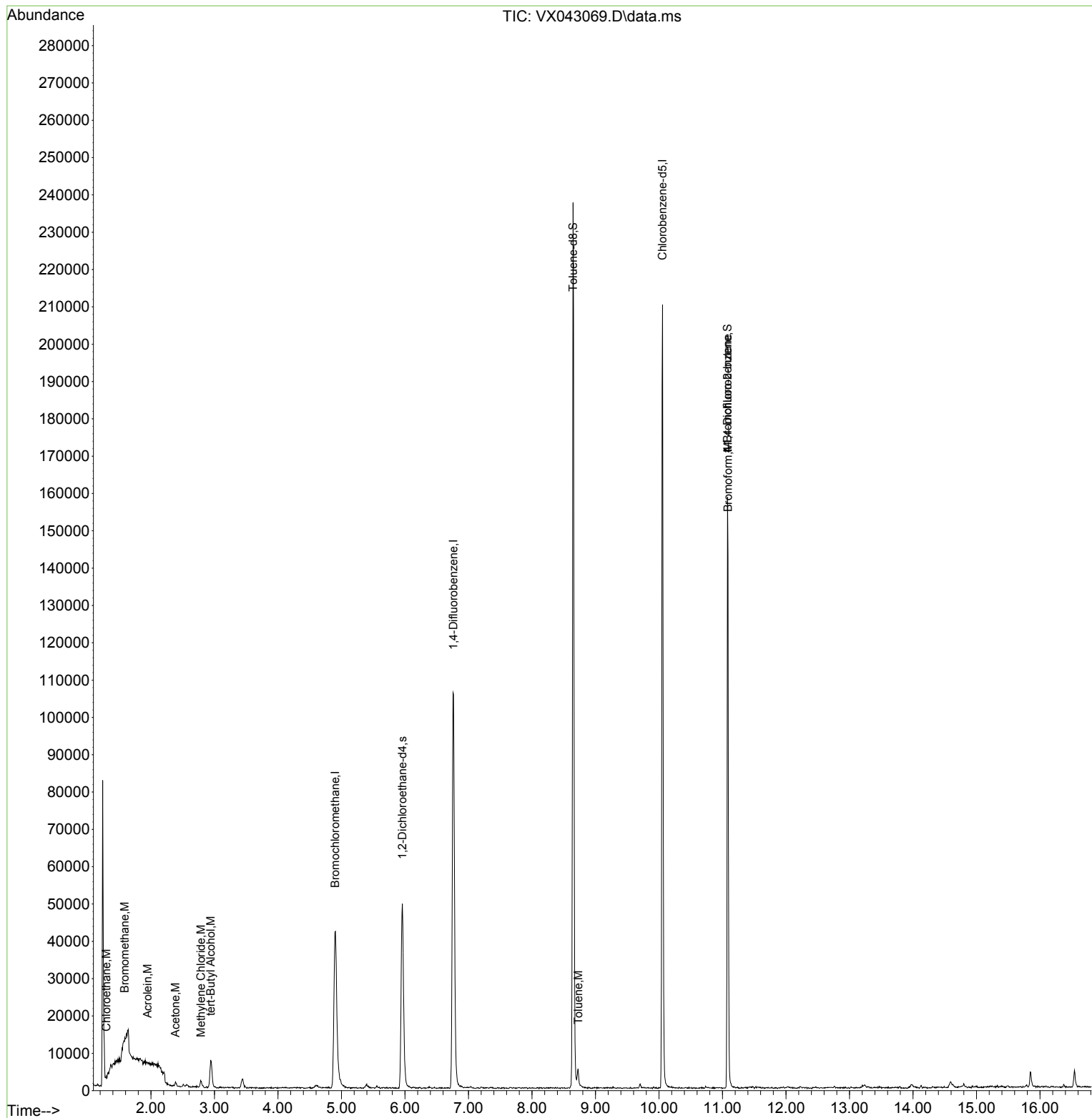
Internal Standards						
1) Bromochloromethane	4.898	128	19341	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	113265	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	98081	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	45520	29.075	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.900%
60) 4-Bromofluorobenzene	11.079	95	43061	25.862	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	86.200%
63) Toluene-d8	8.647	98	138674	30.779	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	102.600%
Target Compounds						
					Qvalue	
5) Bromomethane	1.587	94	95	0.235	ug/l	97
6) Chloroethane	1.295	64	183	0.445	ug/l	91
13) Acrolein	1.947	56	107	0.270	ug/l	84
15) Acetone	2.386	58	352	1.380	ug/l #	44
18) Methylene Chloride	2.788	84	837	0.542	ug/l #	70
23) tert-Butyl Alcohol	2.941	59	4254	10.686	ug/l #	100
56) Bromoform	11.085	173	285	0.284	ug/l #	1
62) Toluene	8.726	91	3245	0.579	ug/l	86
77) t-1,4-Dichloro-2-butene	11.079	75	21807	25.784	ug/l #	11

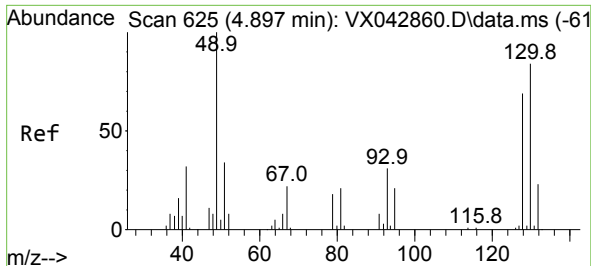
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081624\
Data File : VX043069.D
Acq On : 16 Aug 2024 12:29
Operator : JC/MD
Sample : IBLK
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

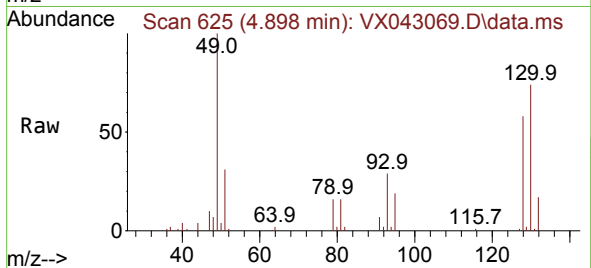
Quant Time: Aug 16 23:54:22 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X081324W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Tue Aug 13 13:22:56 2024
Response via : Initial Calibration



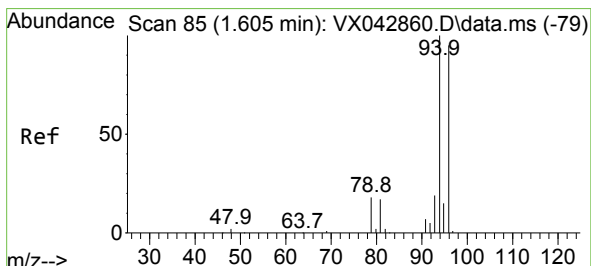
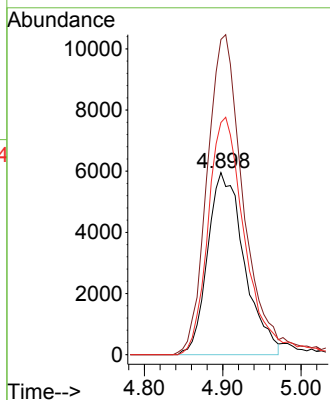
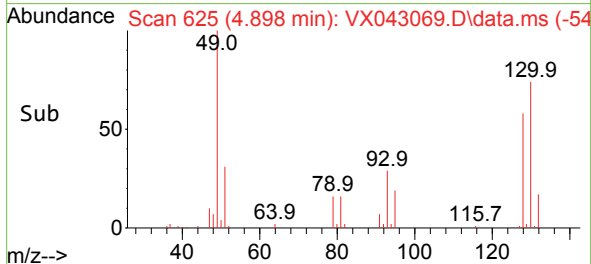


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.898 min Scan# 61
 Delta R.T. -0.000 min
 Lab File: VX043069.D
 Acq: 16 Aug 2024 12:29

Instrument :
 MSVOA_X
 ClientSampleId :

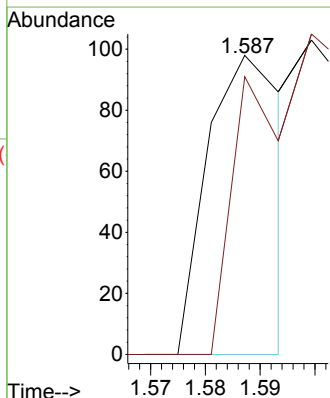
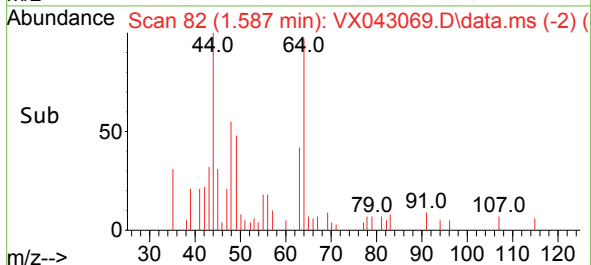
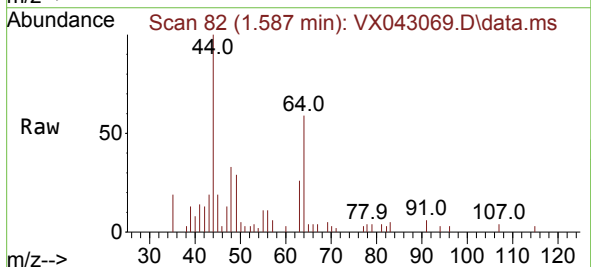


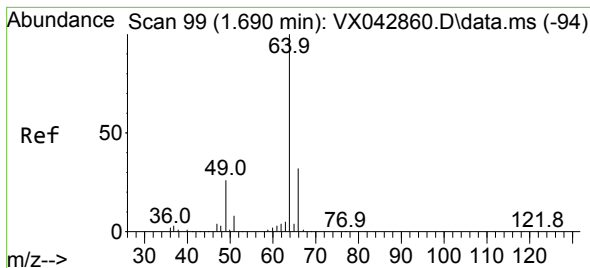
Tgt Ion:128 Resp: 19341
 Ion Ratio Lower Upper
 128 100
 49 170.3 0.0 400.5
 130 128.2 0.0 333.0



#5
 Bromomethane
 Concen: 0.235 ug/l
 RT: 1.587 min Scan# 82
 Delta R.T. -0.012 min
 Lab File: VX043069.D
 Acq: 16 Aug 2024 12:29

Tgt Ion: 94 Resp: 95
 Ion Ratio Lower Upper
 94 100
 96 92.9 76.2 114.4





#6

Chloroethane

Concen: 0.445 ug/l

RT: 1.295 min Scan# 34

Delta R.T. -0.372 min

Lab File: VX043069.D

Acq: 16 Aug 2024 12:29

Instrument :

MSVOA_X

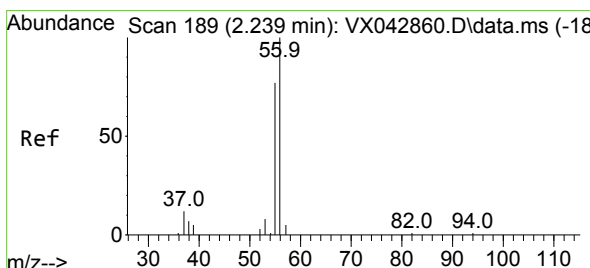
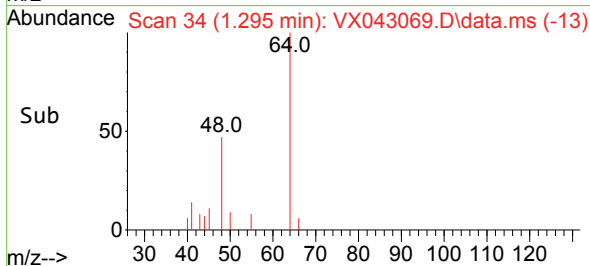
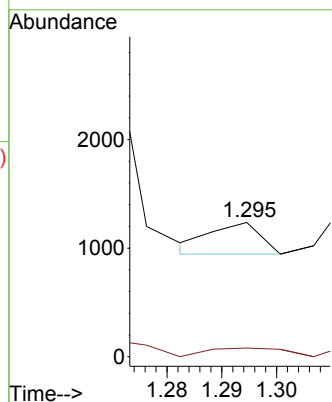
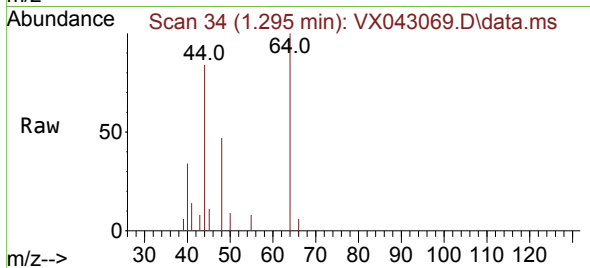
ClientSampleId :

Tgt Ion: 64 Resp: 183

Ion Ratio Lower Upper

64 100

66 27.4 25.9 38.9



#13

Acrolein

Concen: 0.270 ug/l

RT: 1.947 min Scan# 141

Delta R.T. -0.293 min

Lab File: VX043069.D

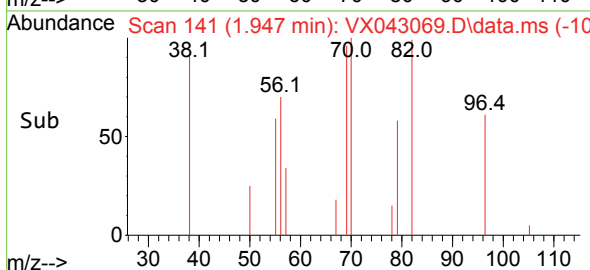
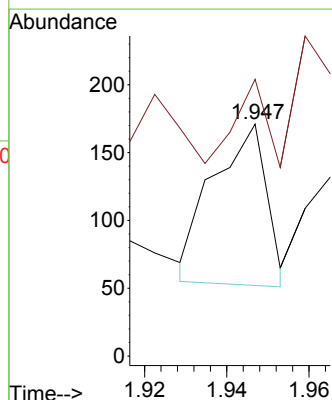
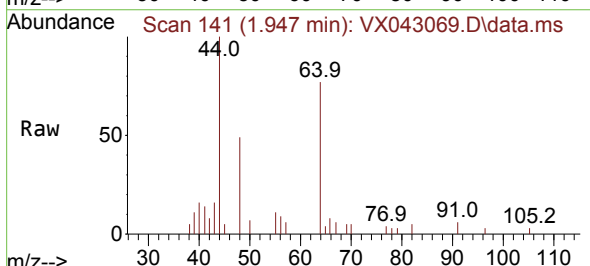
Acq: 16 Aug 2024 12:29

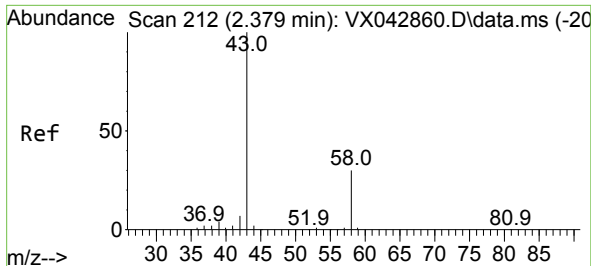
Tgt Ion: 56 Resp: 107

Ion Ratio Lower Upper

56 100

55 61.7 60.6 90.8





#15

Acetone

Concen: 1.380 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.006 min

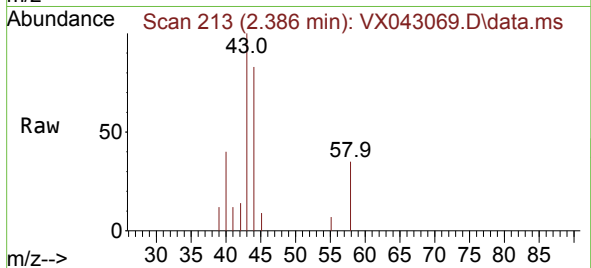
Lab File: VX043069.D

Acq: 16 Aug 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :

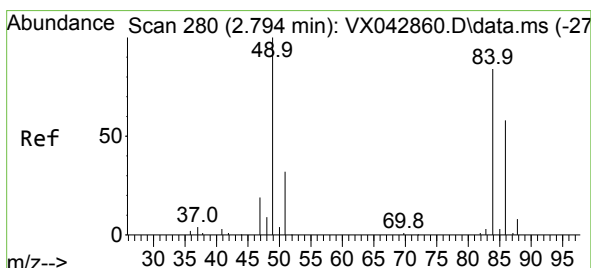
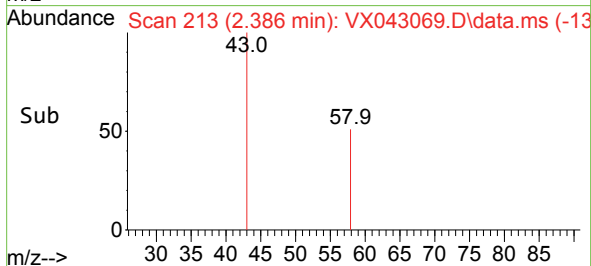
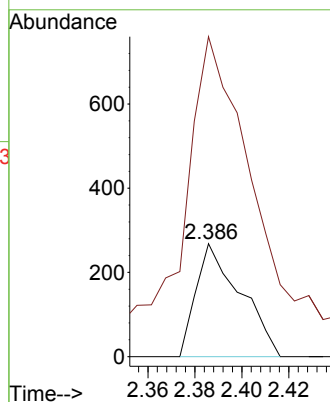


Tgt Ion: 58 Resp: 352

Ion Ratio Lower Upper

58 100

43 219.8 269.9 404.9#



#18

Methylene Chloride

Concen: 0.542 ug/l

RT: 2.788 min Scan# 279

Delta R.T. 0.000 min

Lab File: VX043069.D

Acq: 16 Aug 2024 12:29

Tgt Ion: 84 Resp: 837

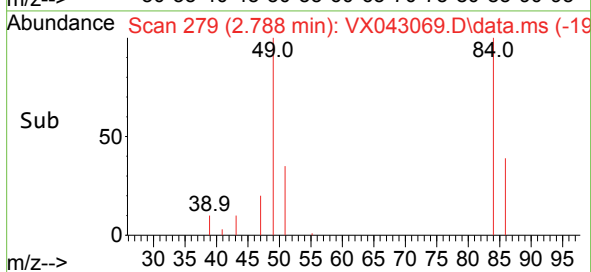
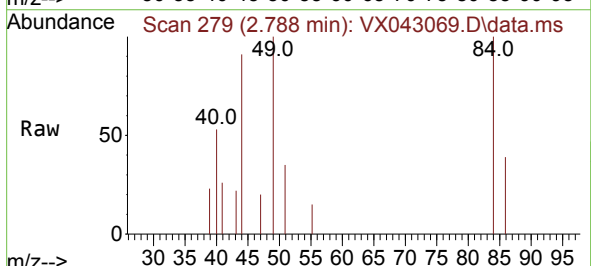
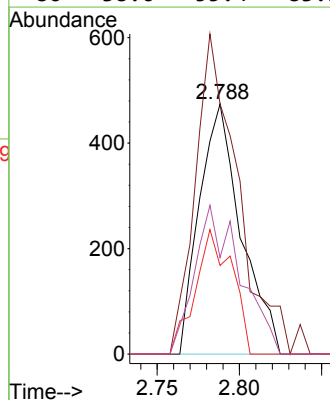
Ion Ratio Lower Upper

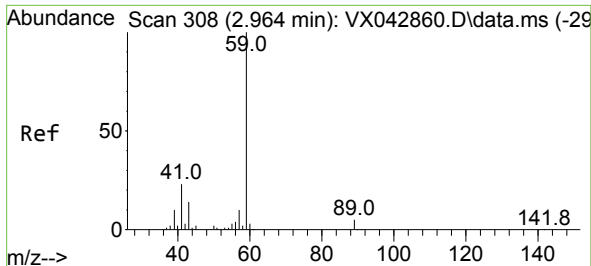
84 100

49 80.8 95.0 142.6#

51 35.4 30.1 45.1

86 38.6 55.4 83.2#

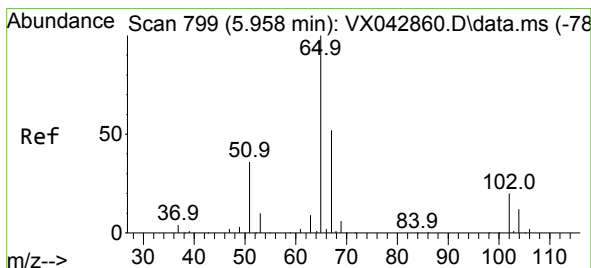
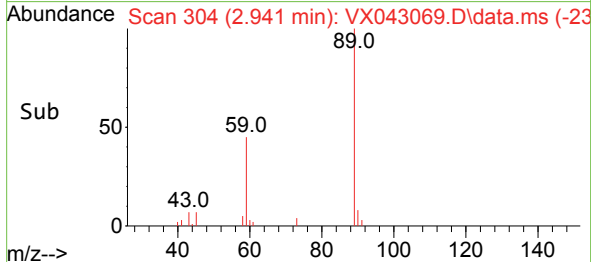
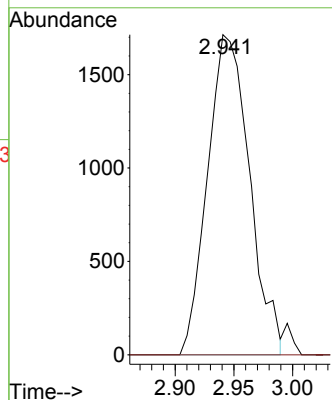
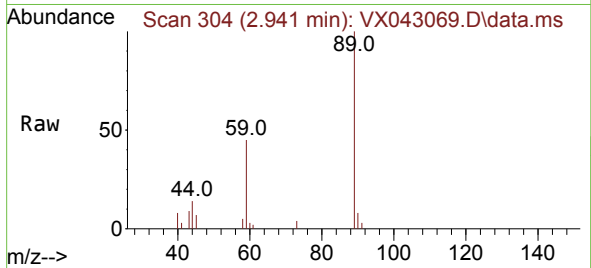




#23
tert-Butyl Alcohol
Concen: 10.686 ug/l
RT: 2.941 min Scan# 308
Delta R.T. -0.055 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

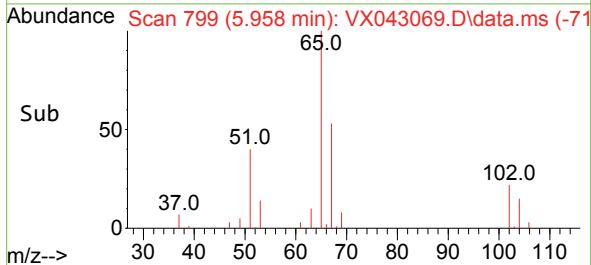
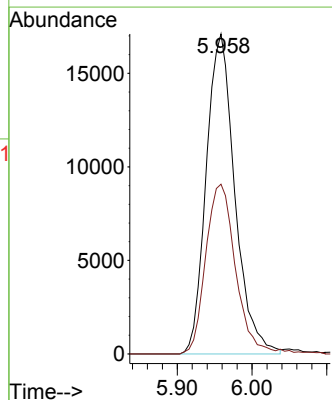
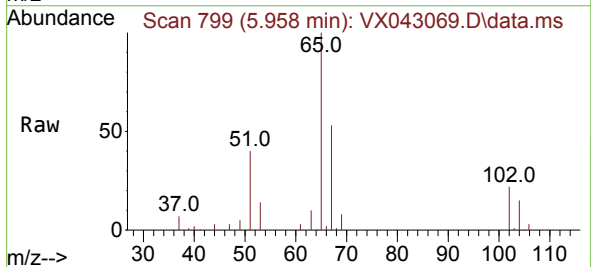
Instrument :
MSVOA_X
ClientSampleId :

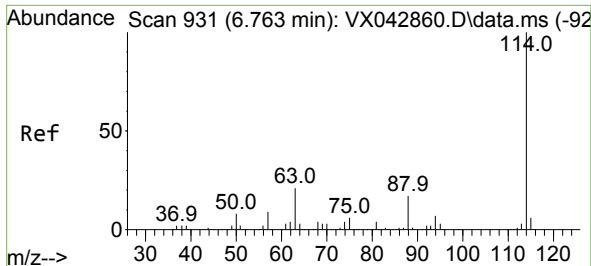
Tgt Ion: 59 Resp: 4254
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#



#27
1,2-Dichloroethane-d4
Concen: 29.075 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

Tgt Ion: 65 Resp: 45520
Ion Ratio Lower Upper
65 100
67 54.8 40.6 60.8





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.006 min

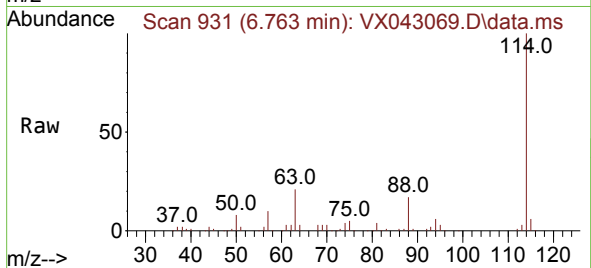
Lab File: VX043069.D

Acq: 16 Aug 2024 12:29

Instrument :

MSVOA_X

ClientSampleId :



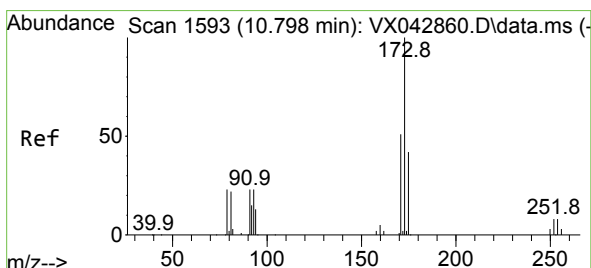
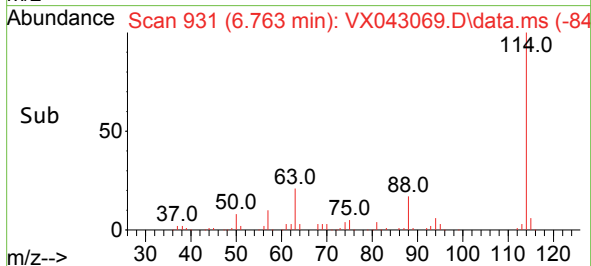
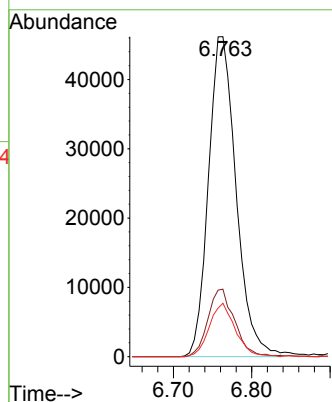
Tgt Ion:114 Resp: 113265

Ion Ratio Lower Upper

114 100

63 20.2 16.0 24.0

88 15.7 12.5 18.7



#56

Bromoform

Concen: 0.284 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.287 min

Lab File: VX043069.D

Acq: 16 Aug 2024 12:29

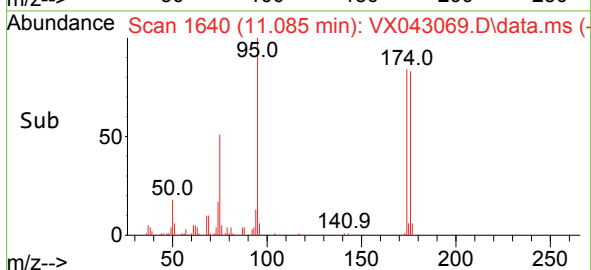
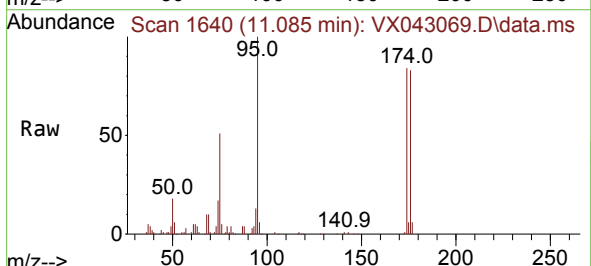
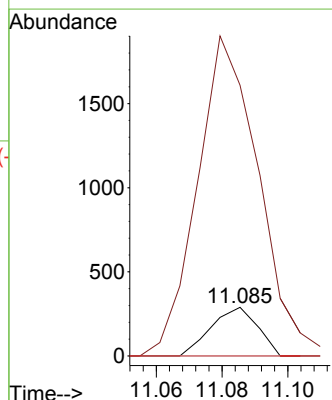
Tgt Ion:173 Resp: 285

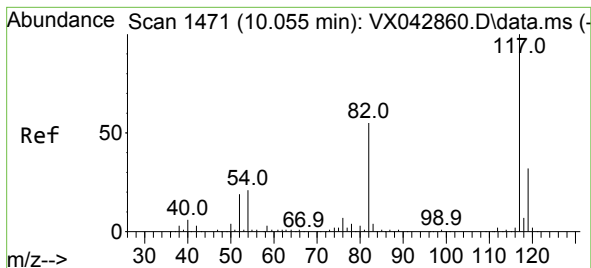
Ion Ratio Lower Upper

173 100

175 864.2 37.1 55.7#

254 0.0 6.6 10.0#

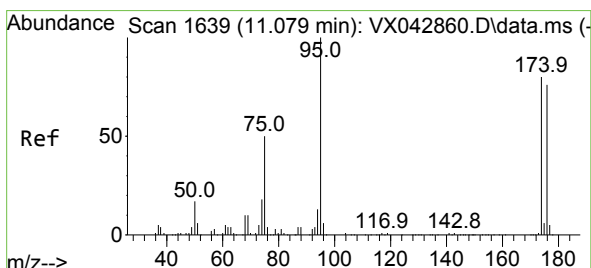
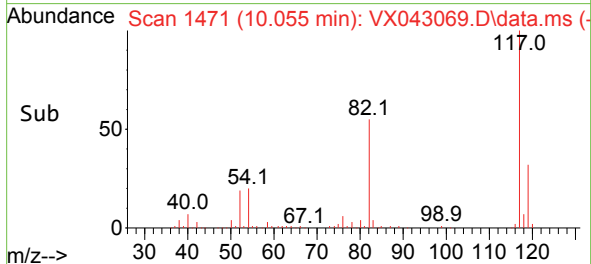
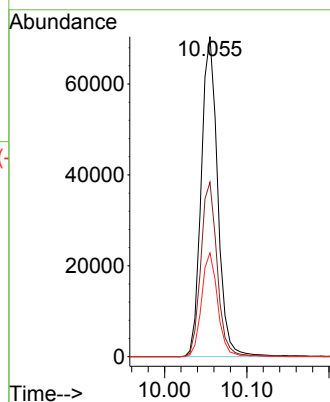
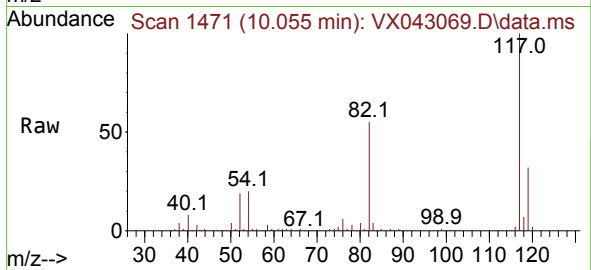




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

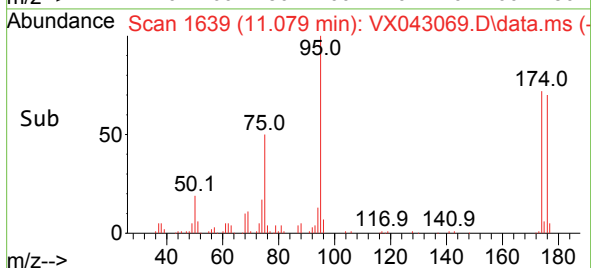
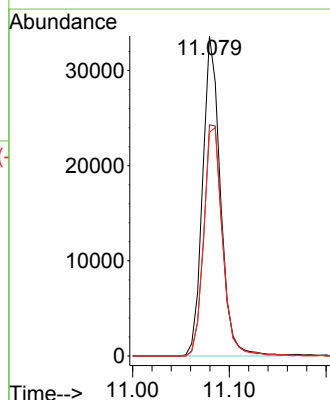
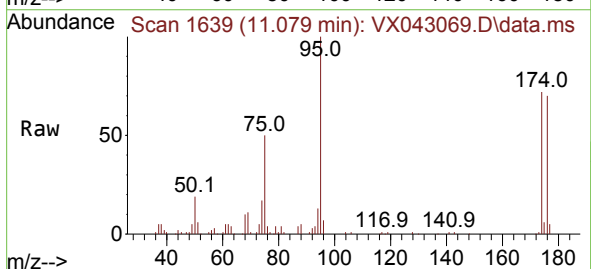
Instrument :
MSVOA_X
ClientSampleId :

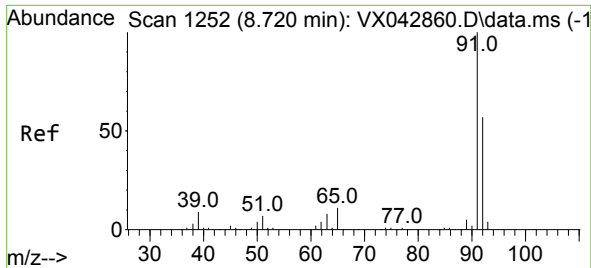
Tgt Ion	Ratio	Lower	Upper
117	100		
82	54.3	44.9	67.3
119	31.7	25.4	38.2



#60
4-Bromofluorobenzene
Concen: 25.862 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

Tgt Ion	Ratio	Lower	Upper
95	100		
174	76.1	65.0	97.6
176	75.3	63.4	95.0

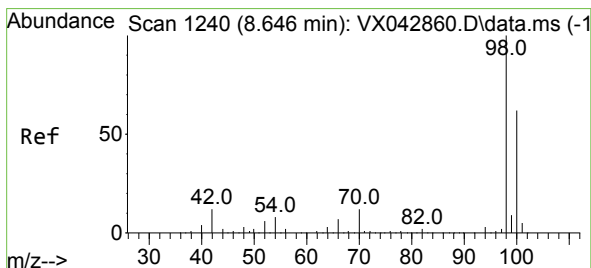
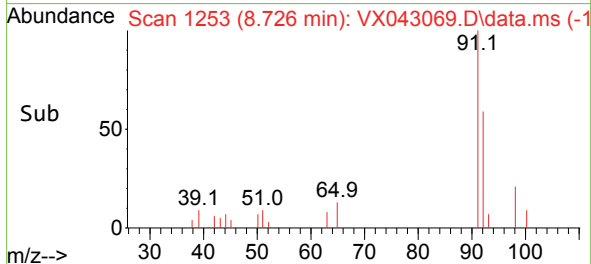
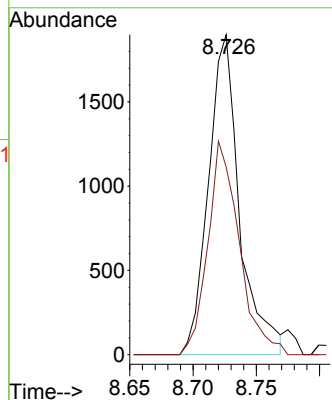
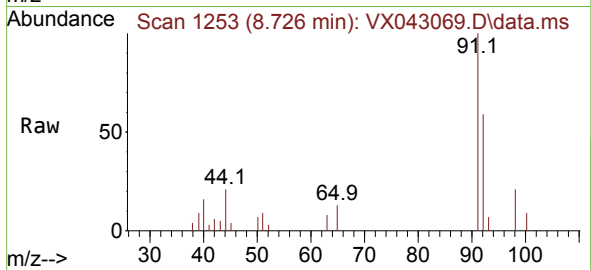




#62
Toluene
Concen: 0.579 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

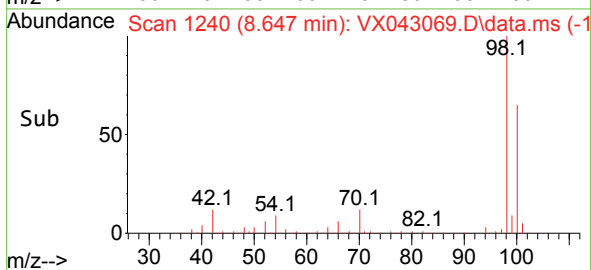
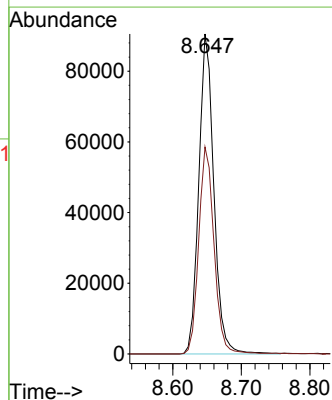
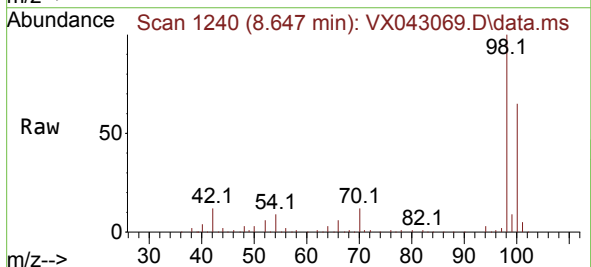
Instrument :
MSVOA_X
ClientSampleId :

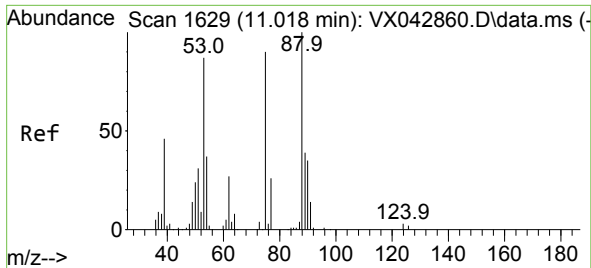
Tgt Ion: 91 Resp: 3245
Ion Ratio Lower Upper
91 100
92 67.5 45.7 68.5



#63
Toluene-d8
Concen: 30.779 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX043069.D
Acq: 16 Aug 2024 12:29

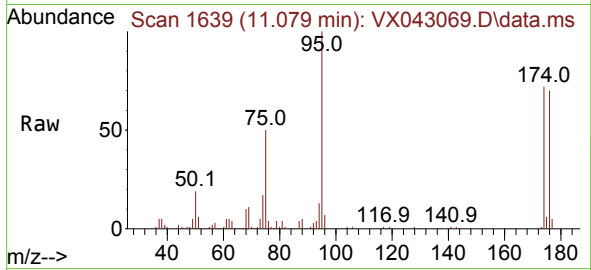
Tgt Ion: 98 Resp: 138674
Ion Ratio Lower Upper
98 100
100 65.7 50.9 76.3





#77
 t-1,4-Dichloro-2-butene
 Concen: 25.784 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX043069.D
 Acq: 16 Aug 2024 12:29

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:	75	Resp:	21807
Ion	Ratio	Lower	Upper
75	100		
53	0.0	48.5	145.5#
89	0.0	21.9	65.5#

