

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041687.D
 Acq On : 30 May 2024 11:58
 Operator : JC/MD
 Sample : P2621-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 31 05:29:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

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

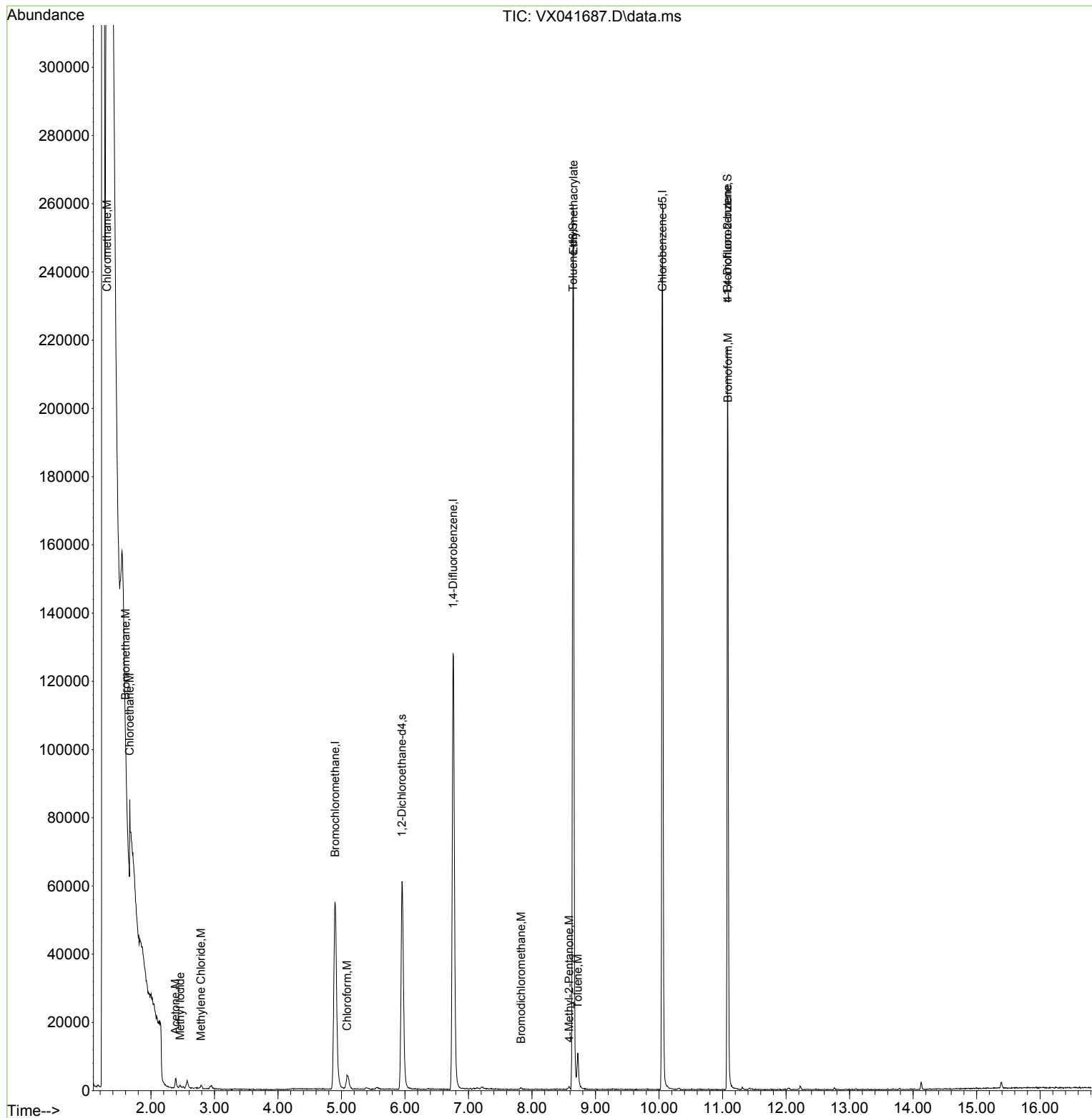
Internal Standards						
1) Bromochloromethane	4.897	128	26864	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	136849	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	124360	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	61043	28.855	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	96.167%
60) 4-Bromofluorobenzene	11.079	95	53388	27.500	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	91.667%
63) Toluene-d8	8.647	98	156821	29.418	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	98.067%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	3505	2.278	ug/l #	42
5) Bromomethane	1.599	94	592	0.575	ug/l	98
6) Chloroethane	1.666	64	10521	12.846	ug/l #	44
11) Methyl Iodide	2.459	142	1227	0.750	ug/l	97
15) Acetone	2.386	58	855	3.506	ug/l	88
18) Methylene Chloride	2.788	84	394	0.241	ug/l	90
25) Chloroform	5.086	83	5254	1.715	ug/l #	81
41) Bromodichloromethane	7.830	83	437	0.219	ug/l #	73
51) Ethyl methacrylate	8.653	69	541	0.227	ug/l	90
56) Bromoform	11.085	173	447	0.331	ug/l #	1
58) 4-Methyl-2-Pentanone	8.586	43	974	0.429	ug/l #	54
62) Toluene	8.720	91	7212	1.165	ug/l	97
77) t-1,4-Dichloro-2-butene	11.079	75	27506	41.331	ug/l #	1

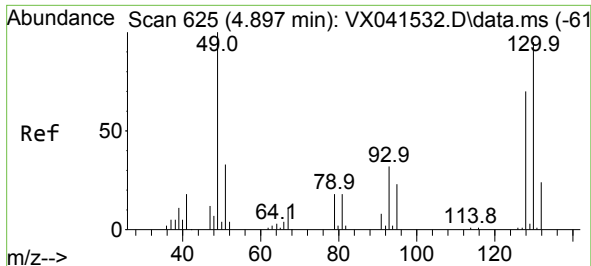
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
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ClientSampleId :

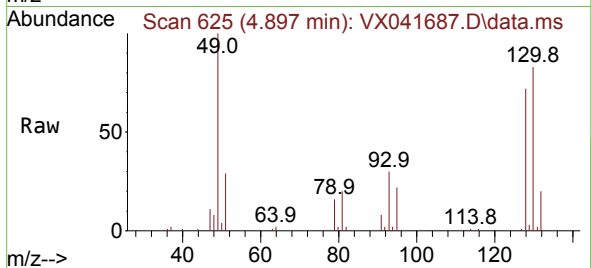
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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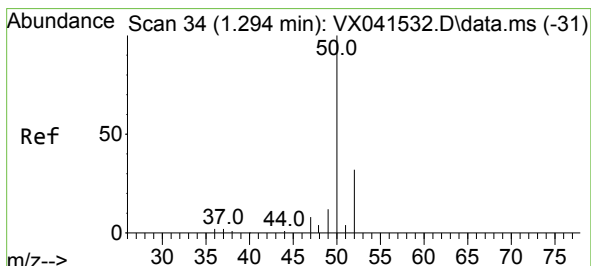
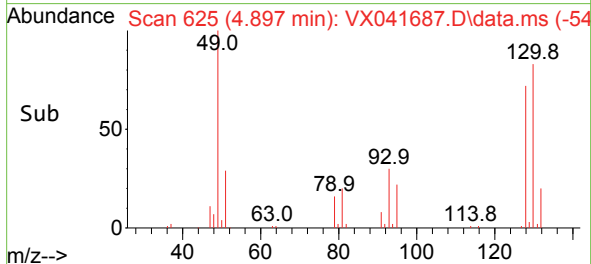
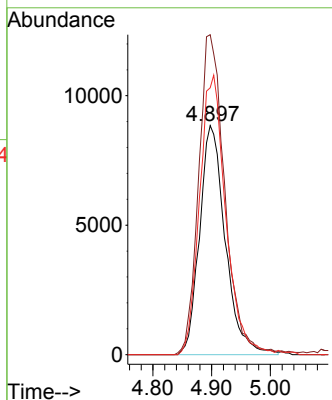


#1
 Bromochloromethane
 Concen: 30.000 ug/l
 RT: 4.897 min Scan# 61
 Delta R.T. 0.000 min
 Lab File: VX041687.D
 Acq: 30 May 2024 11:58

Instrument :
 MSVOA_X
 ClientSampleId :

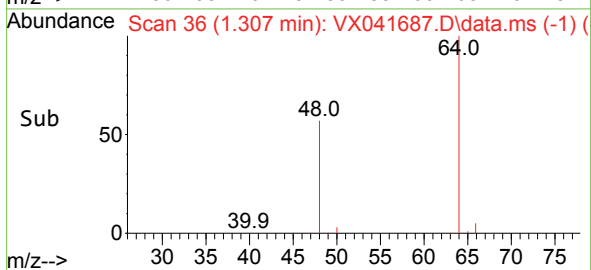
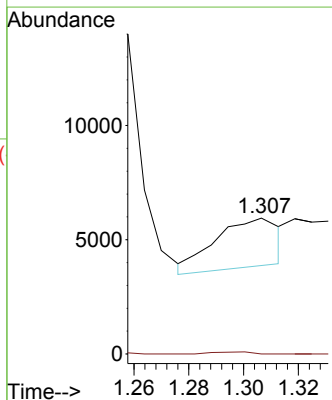
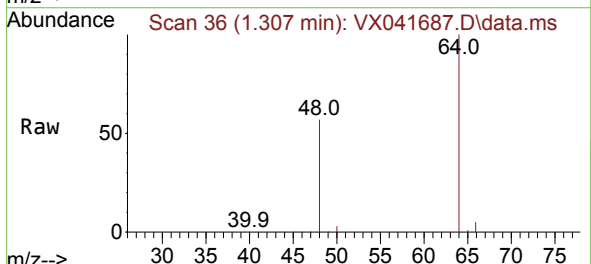


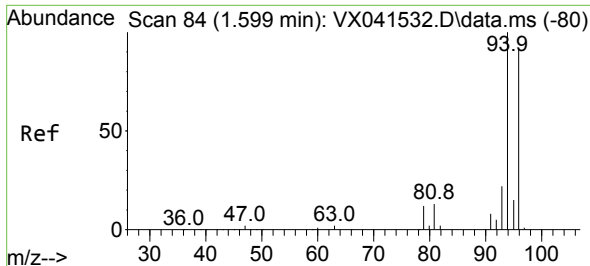
Tgt Ion:	128	Resp:	26864
Ion	Ratio	Lower	Upper
128	100		
49	141.5	0.0	361.5
130	124.4	0.0	324.3



#3
 Chloromethane
 Concen: 2.278 ug/l
 RT: 1.307 min Scan# 36
 Delta R.T. 0.012 min
 Lab File: VX041687.D
 Acq: 30 May 2024 11:58

Tgt Ion:	50	Resp:	3505
Ion	Ratio	Lower	Upper
50	100		
52	0.0	25.8	38.8#

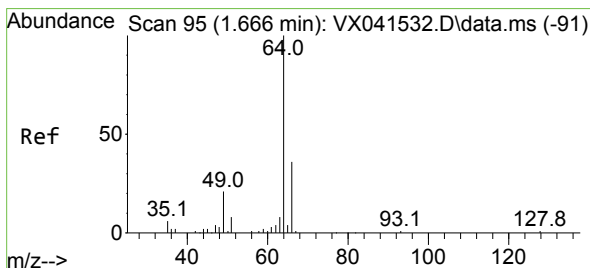
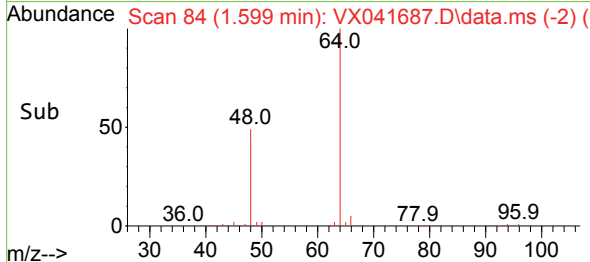
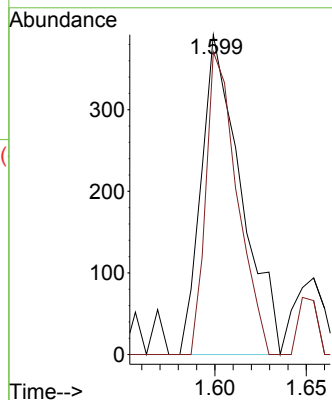
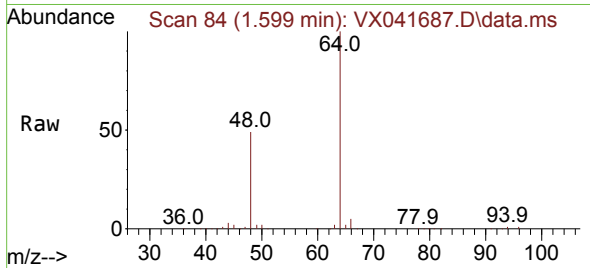




#5
Bromomethane
Concen: 0.575 ug/l
RT: 1.599 min Scan# 84
Delta R.T. -0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

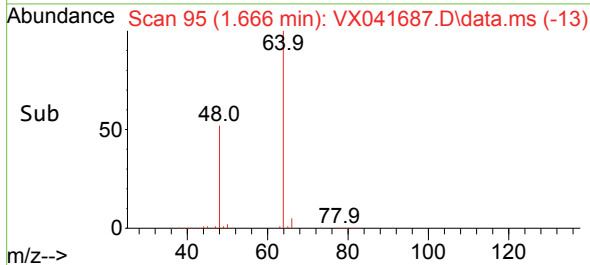
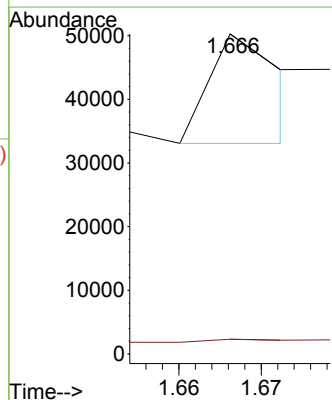
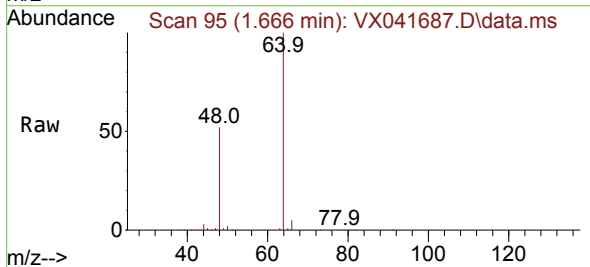
Instrument :
MSVOA_X
ClientSampleId :

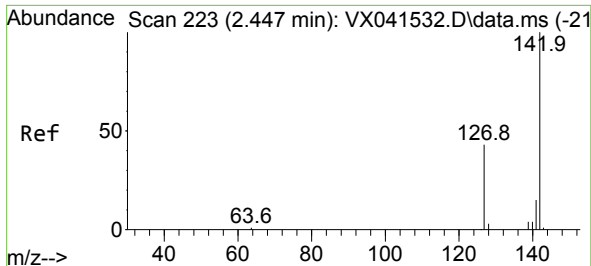
Tgt Ion: 94 Resp: 592
Ion Ratio Lower Upper
94 100
96 94.6 73.9 110.9



#6
Chloroethane
Concen: 12.846 ug/l
RT: 1.666 min Scan# 95
Delta R.T. 0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

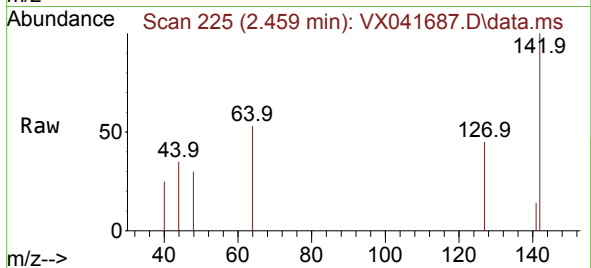
Tgt Ion: 64 Resp: 10521
Ion Ratio Lower Upper
64 100
66 2.8 28.6 42.8#



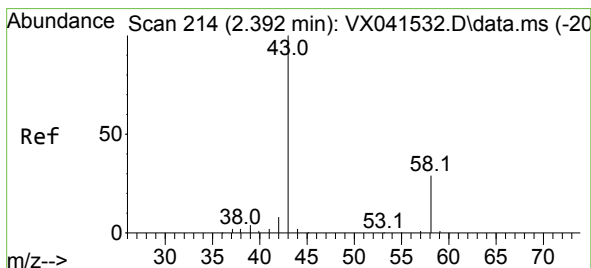
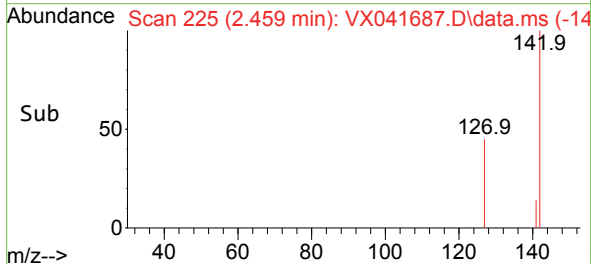
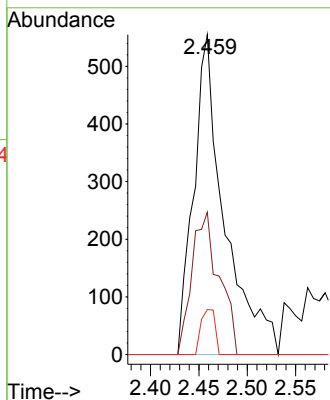


#11
Methyl Iodide
Concen: 0.750 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Instrument :
MSVOA_X
ClientSampleId :

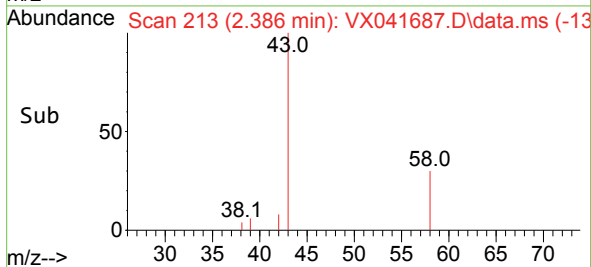
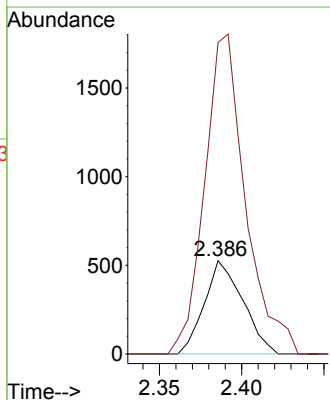
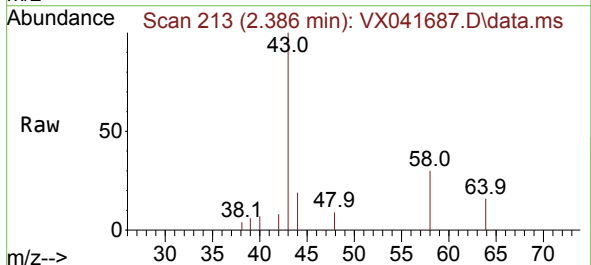


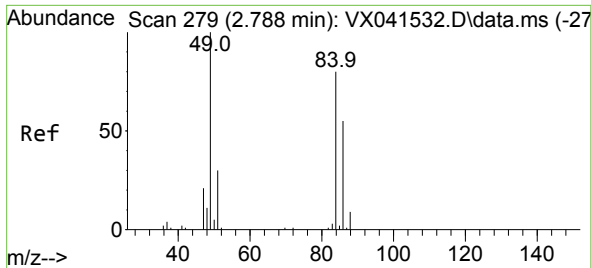
Tgt Ion:142 Resp: 1227
Ion Ratio Lower Upper
142 100
127 44.5 21.4 64.2
141 14.1 7.6 22.8



#15
Acetone
Concen: 3.506 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

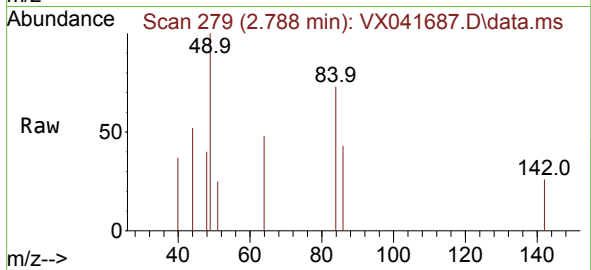
Tgt Ion: 58 Resp: 855
Ion Ratio Lower Upper
58 100
43 317.7 274.0 411.0



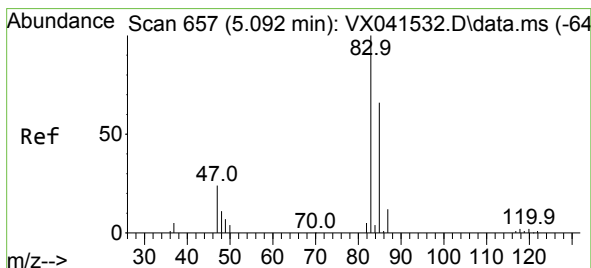
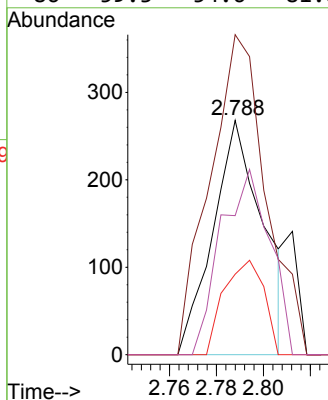
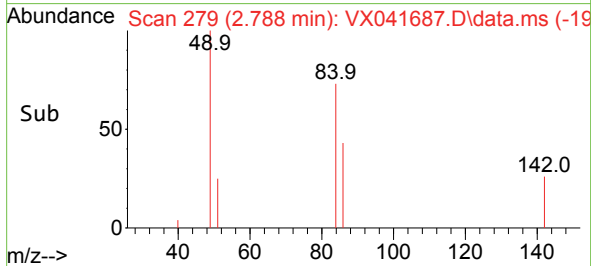


#18
Methylene Chloride
Concen: 0.241 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Instrument :
MSVOA_X
ClientSampleId :

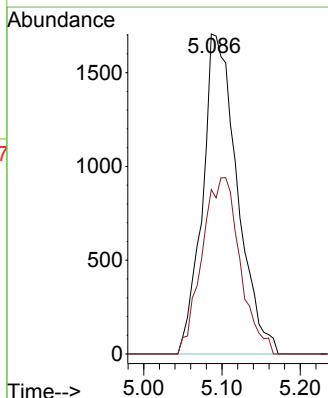
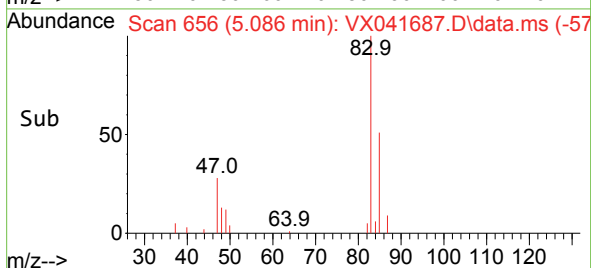
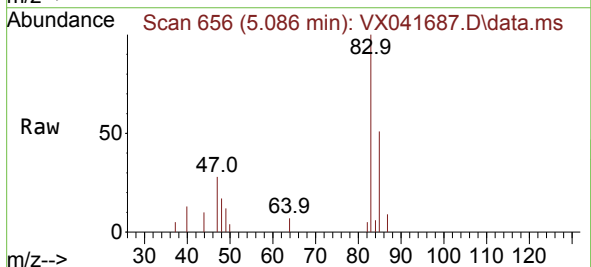


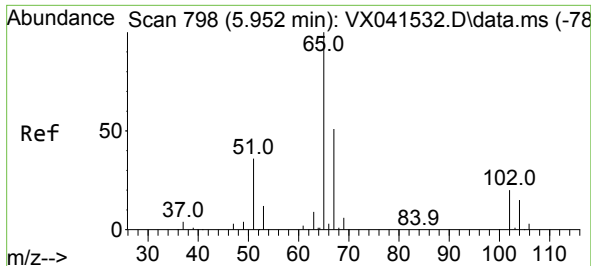
Tgt Ion:	84	Resp:	394
Ion	Ratio	Lower	Upper
84	100		
49	136.6	99.8	149.8
51	34.3	30.2	45.4
86	59.3	54.6	81.8



#25
Chloroform
Concen: 1.715 ug/l
RT: 5.086 min Scan# 656
Delta R.T. -0.006 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Tgt Ion:	83	Resp:	5254
Ion	Ratio	Lower	Upper
83	100		
85	51.3	52.9	79.3#





#27

1,2-Dichloroethane-d4

Concen: 28.855 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041687.D

Acq: 30 May 2024 11:58

Instrument :

MSVOA_X

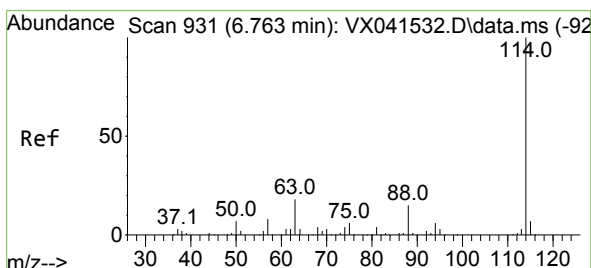
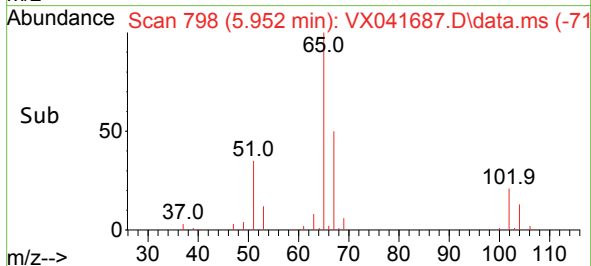
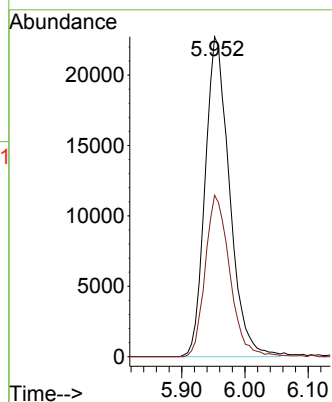
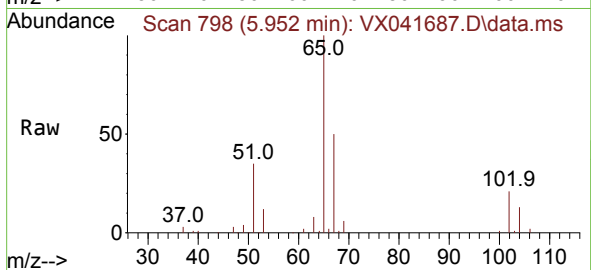
ClientSampleId :

Tgt Ion: 65 Resp: 61043

Ion Ratio Lower Upper

65 100

67 50.2 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.006 min

Lab File: VX041687.D

Acq: 30 May 2024 11:58

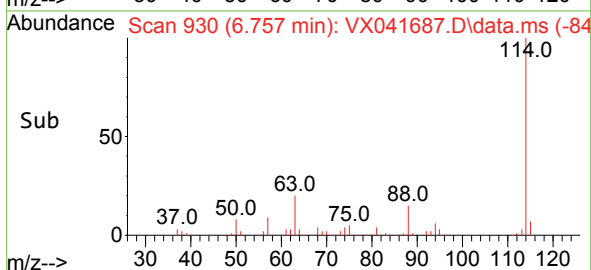
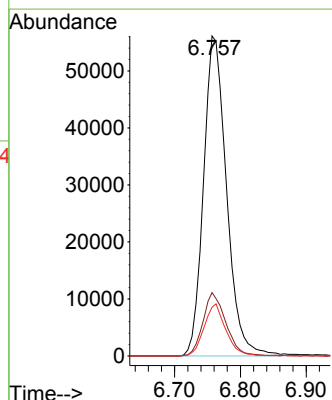
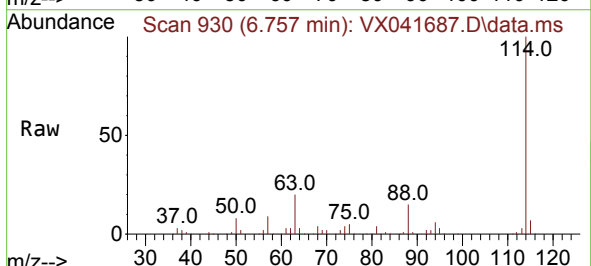
Tgt Ion: 114 Resp: 136849

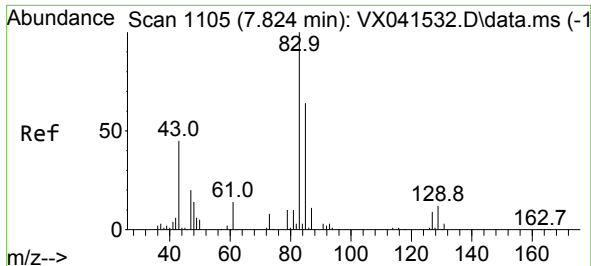
Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

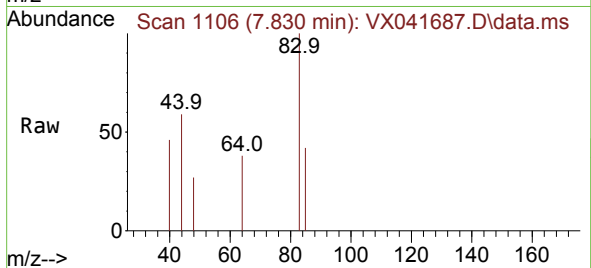
88 15.3 12.2 18.2



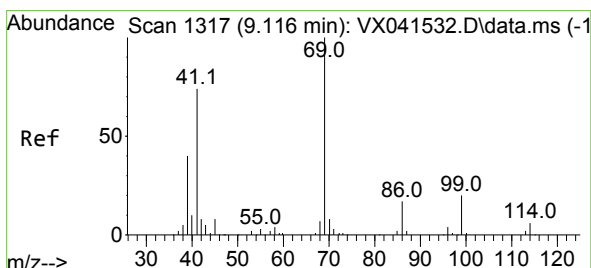
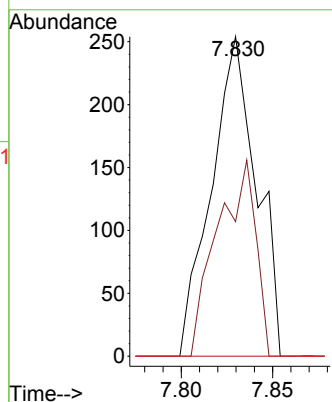
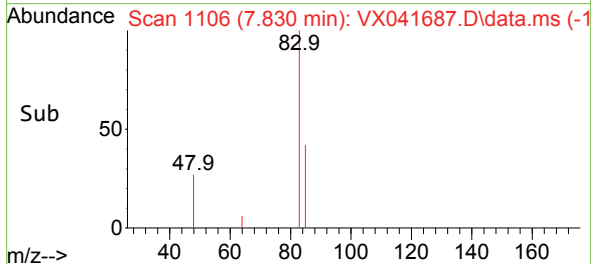


#41
Bromodichloromethane
Concen: 0.219 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Instrument :
MSVOA_X
ClientSampleId :

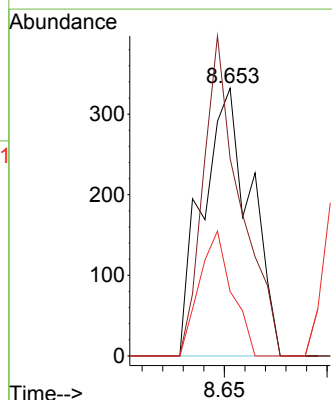
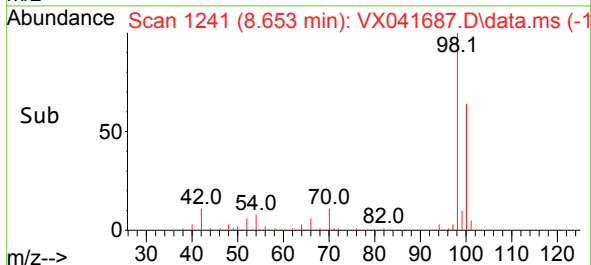
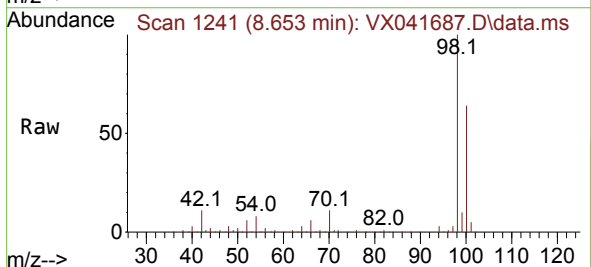


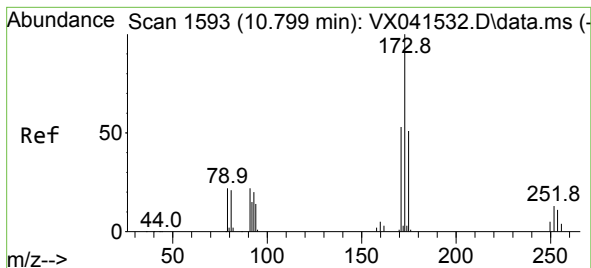
Tgt Ion: 83 Resp: 437
Ion Ratio Lower Upper
83 100
85 42.1 51.0 76.4#
127 0.0 7.1 10.7#



#51
Ethyl methacrylate
Concen: 0.227 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.463 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Tgt Ion: 69 Resp: 541
Ion Ratio Lower Upper
69 100
41 73.8 37.1 111.3
39 24.1 20.2 60.6





#56

Bromoform

Concen: 0.331 ug/l

RT: 11.085 min Scan# 1

Delta R.T. 0.287 min

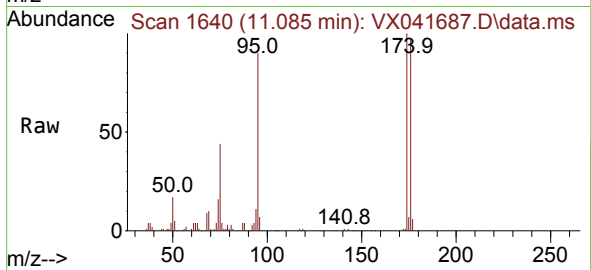
Lab File: VX041687.D

Acq: 30 May 2024 11:58

Instrument :

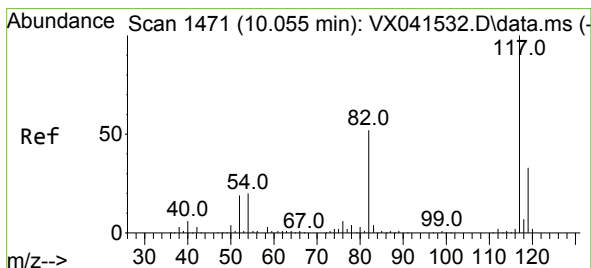
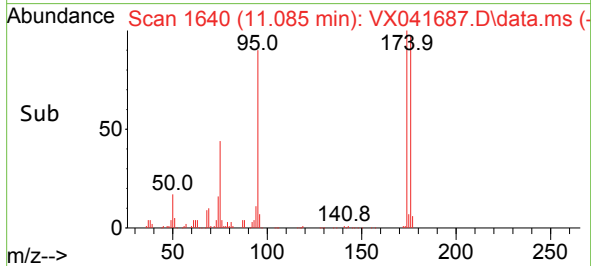
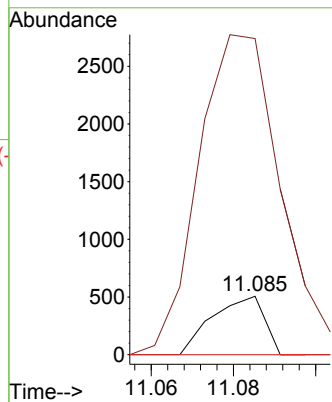
MSVOA_X

ClientSampleId :



Tgt Ion:173 Resp: 447

Ion	Ratio	Lower	Upper
173	100		
175	863.8	39.0	58.6#
254	0.0	10.3	15.5#



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

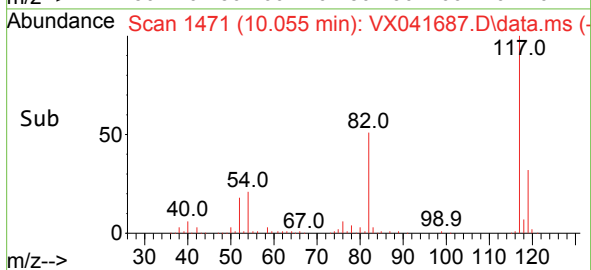
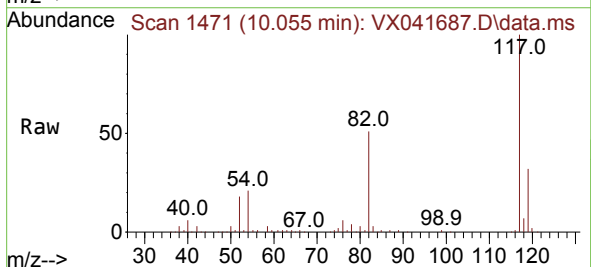
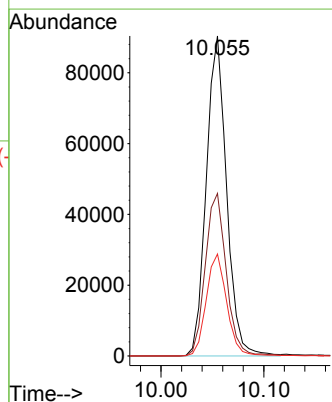
Delta R.T. 0.000 min

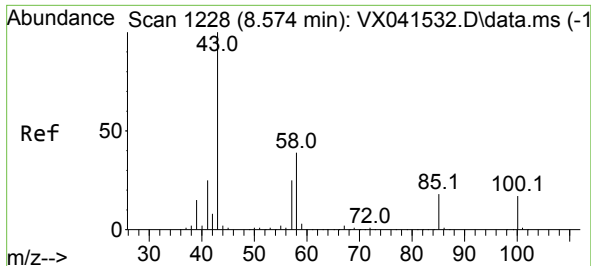
Lab File: VX041687.D

Acq: 30 May 2024 11:58

Tgt Ion:117 Resp: 124360

Ion	Ratio	Lower	Upper
117	100		
82	52.6	41.7	62.5
119	32.2	25.7	38.5

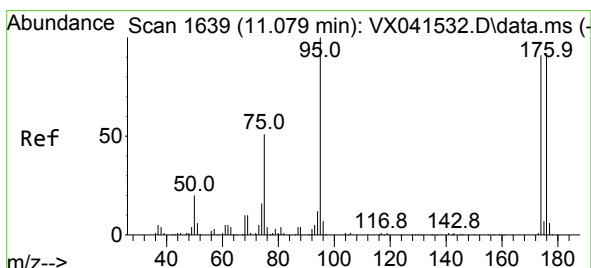
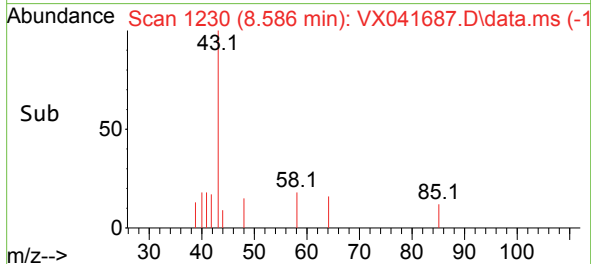
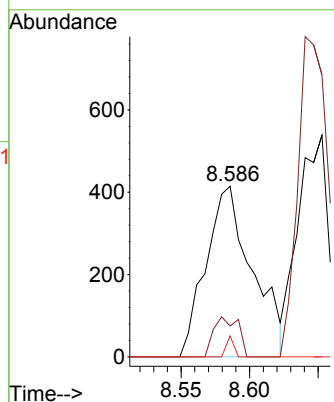
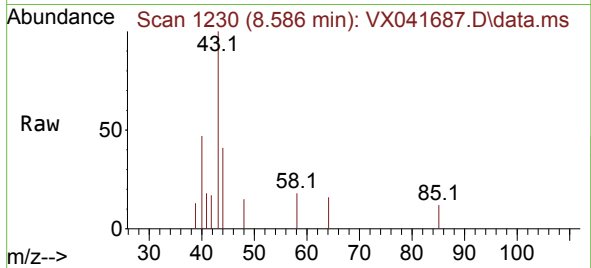




#58
4-Methyl-2-Pentanone
Concen: 0.429 ug/l
RT: 8.586 min Scan# 11
Delta R.T. 0.012 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

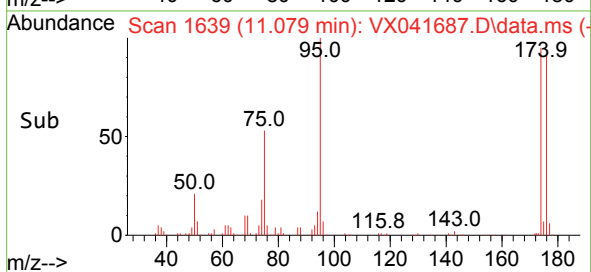
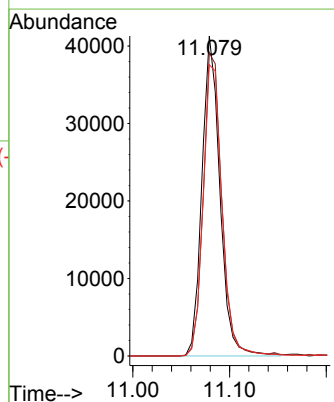
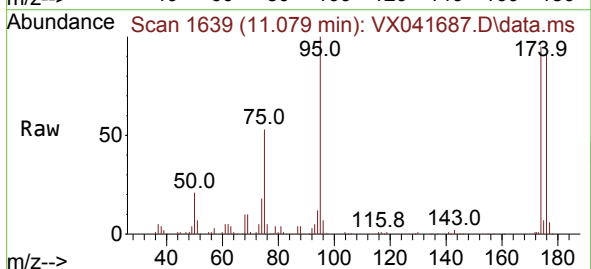
Instrument :
MSVOA_X
ClientSampleId :

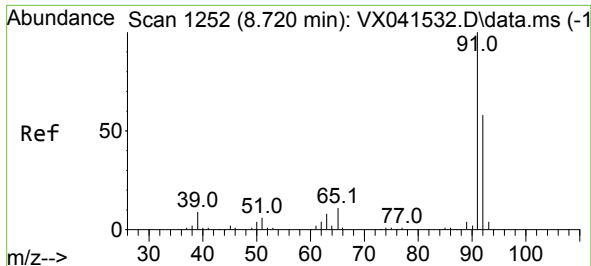
Tgt Ion: 43 Resp: 974
Ion Ratio Lower Upper
43 100
58 8.9 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 27.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Tgt Ion: 95 Resp: 53388
Ion Ratio Lower Upper
95 100
174 97.4 76.6 115.0
176 95.9 75.4 113.0

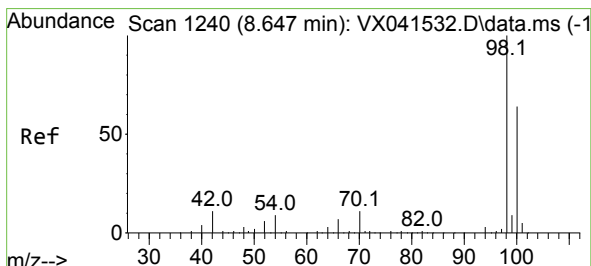
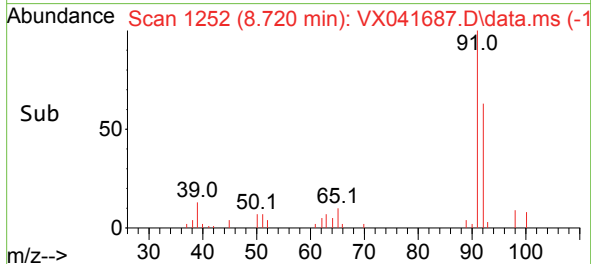
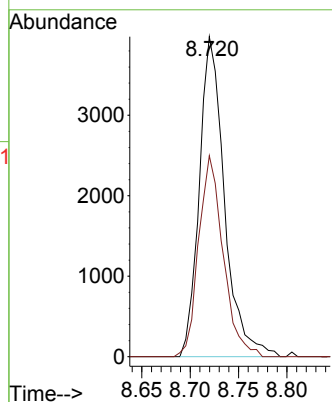
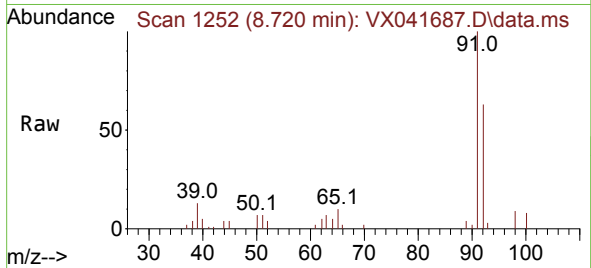




#62
Toluene
Concen: 1.165 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

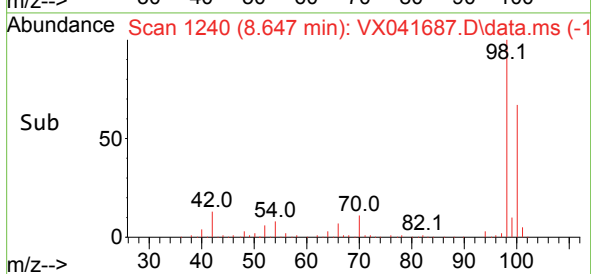
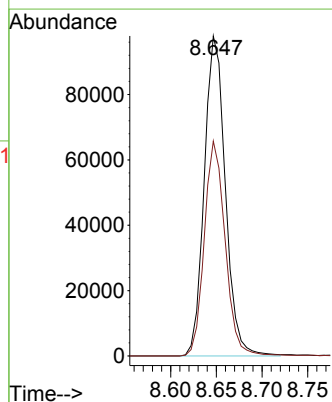
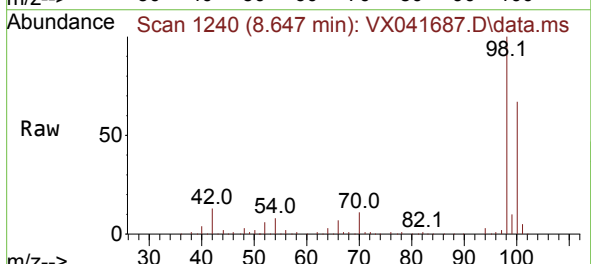
Instrument :
MSVOA_X
ClientSampleId :

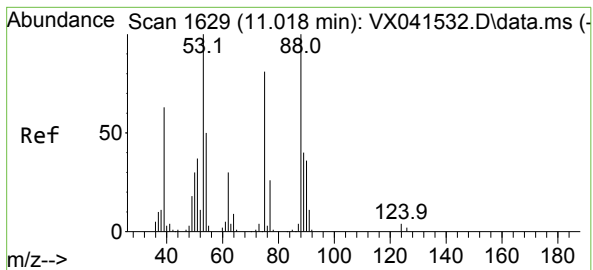
Tgt Ion: 91 Resp: 7212
Ion Ratio Lower Upper
91 100
92 61.1 47.0 70.6



#63
Toluene-d8
Concen: 29.418 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

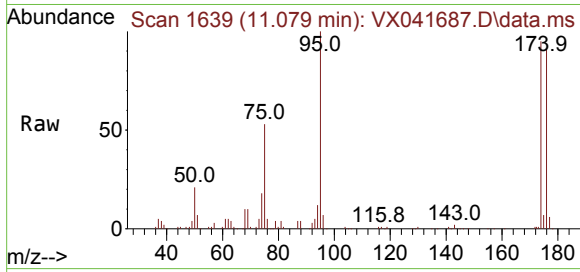
Tgt Ion: 98 Resp: 156821
Ion Ratio Lower Upper
98 100
100 66.5 53.1 79.7





#77
t-1,4-Dichloro-2-butene
Concen: 41.331 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX041687.D
Acq: 30 May 2024 11:58

Instrument :
MSVOA_X
ClientSampleId :



Tgt Ion: 75 Resp: 27506
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

