

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041685.D
 Acq On : 30 May 2024 11:02
 Operator : JC/MD
 Sample : VX0530WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 31 05:28:23 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)

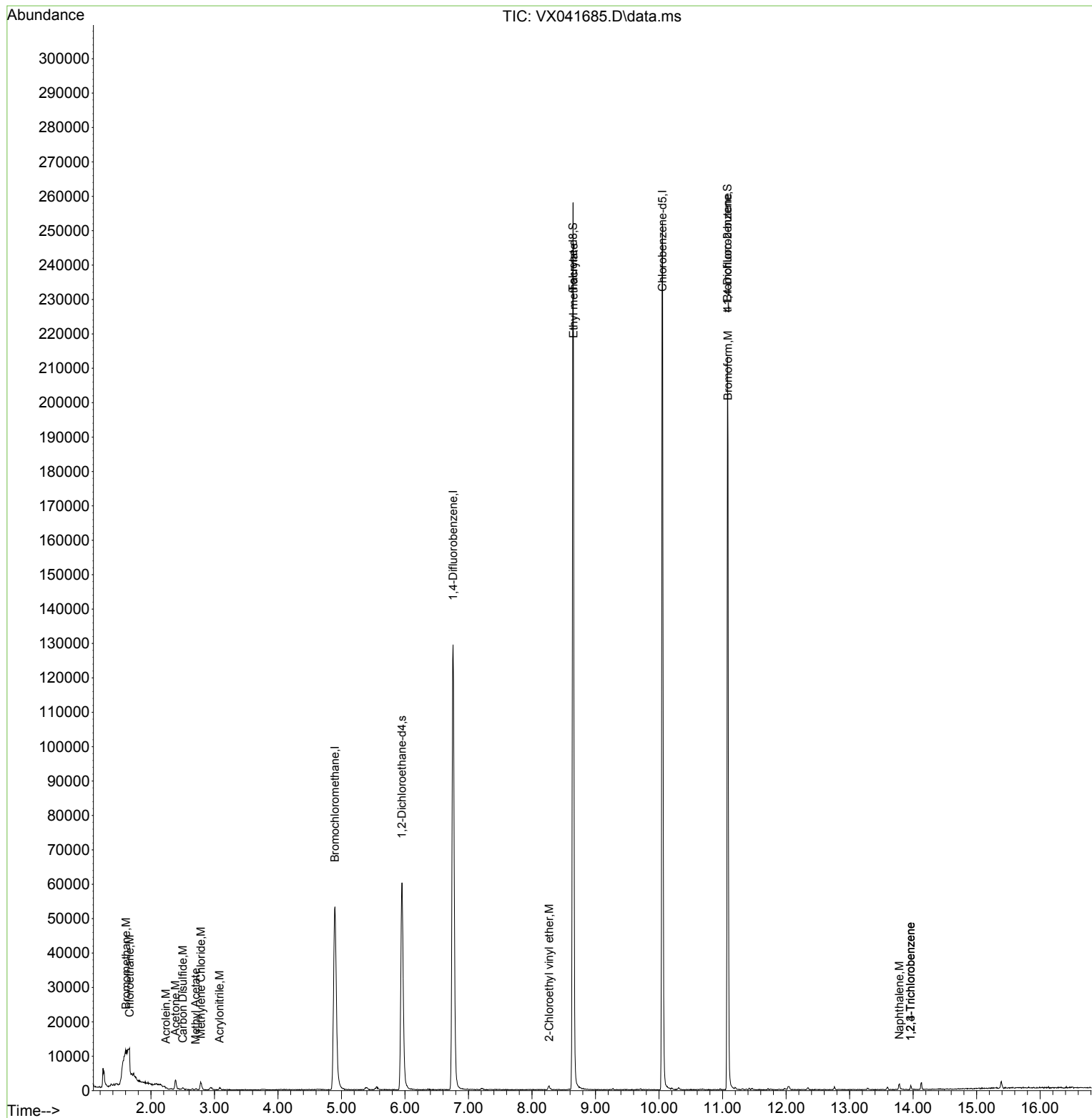
Internal Standards						
1) Bromochloromethane	4.897	128	25105	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.757	114	138480	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	122414	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59889	30.293	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.967%
60) 4-Bromofluorobenzene	11.079	95	53700	28.101	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.667%
63) Toluene-d8	8.647	98	153554	29.263	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.533%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	327	0.340	ug/l #	57
6) Chloroethane	1.666	64	192	0.251	ug/l #	88
12) Methyl Acetate	2.703	43	434	0.224	ug/l #	50
13) Acrolein	2.233	56	123	0.522	ug/l #	76
14) Acrylonitrile	3.081	53	246	0.289	ug/l #	54
15) Acetone	2.386	58	955	4.191	ug/l #	59
16) Carbon Disulfide	2.501	76	742	0.256	ug/l #	74
18) Methylene Chloride	2.788	84	1168	0.765	ug/l #	83
51) Ethyl methacrylate	8.653	69	549	0.228	ug/l	74
55) 2-Chloroethyl vinyl ether	8.269	63	630	0.536	ug/l #	72
56) Bromoform	11.085	173	531	0.389	ug/l #	1
77) t-1,4-Dichloro-2-butene	11.079	75	26986	41.194	ug/l #	1
89) 1,2,4-Trichlorobenzene	13.963	180	498	0.205	ug/l	97
91) Naphthalene	13.786	128	1923	0.265	ug/l #	80
92) 1,2,3-Trichlorobenzene	13.963	180	498	0.200	ug/l	98

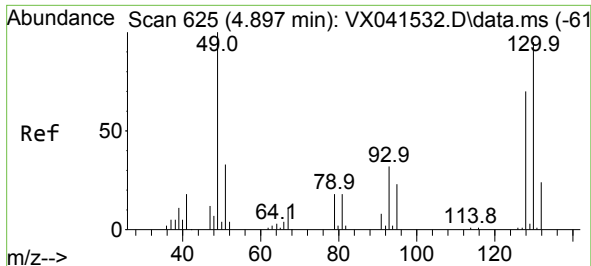
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
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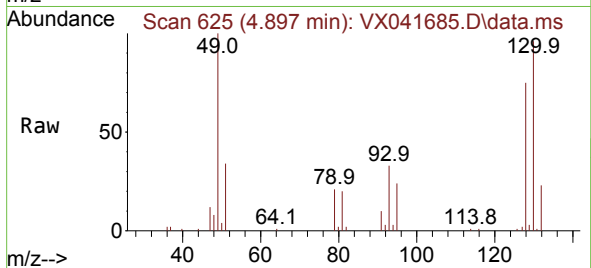
Quant Time: May 31 05:28:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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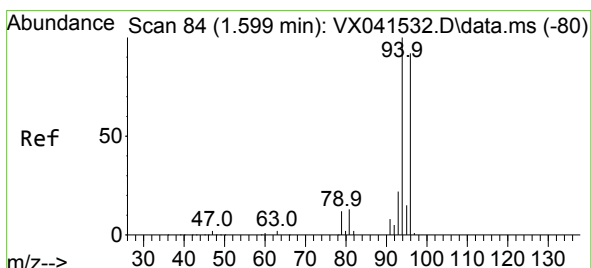
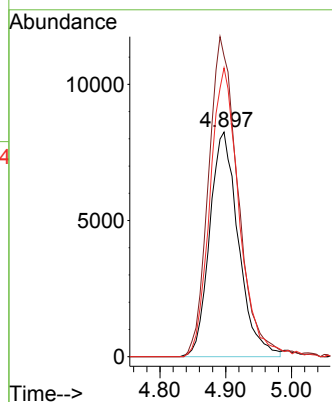
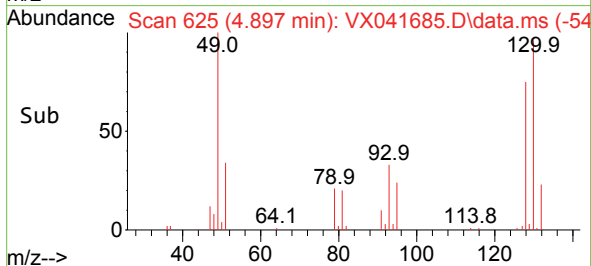


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Instrument :
MSVOA_X
ClientSampleId :

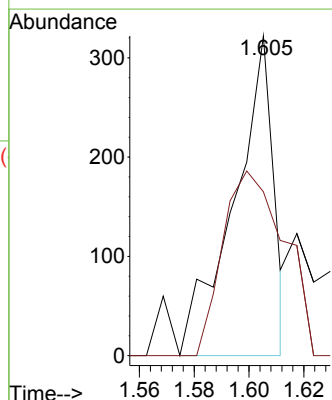
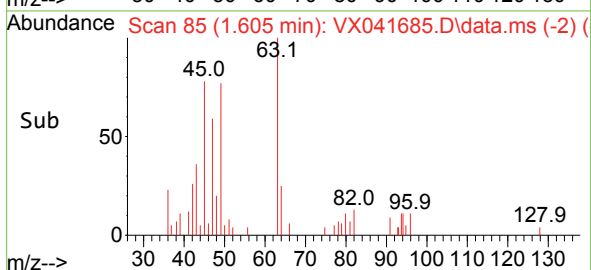
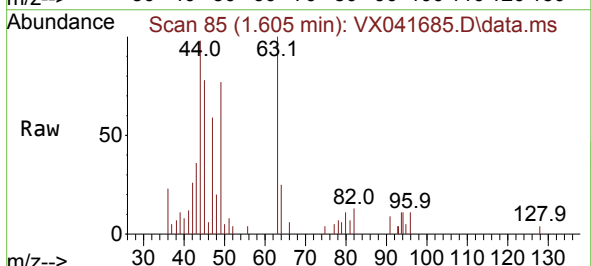


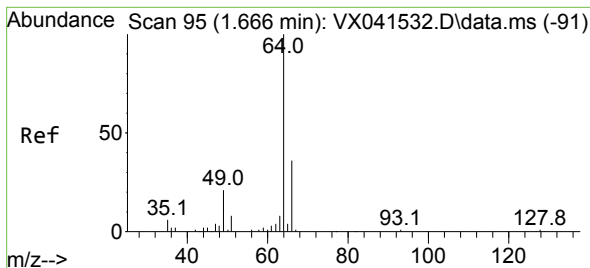
Tgt Ion	Ratio	Lower	Upper
128	100		
49	145.8	0.0	361.5
130	130.3	0.0	324.3



#5
Bromomethane
Concen: 0.340 ug/l
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Tgt Ion	Ratio	Lower	Upper
94	100		
96	51.2	73.9	110.9#

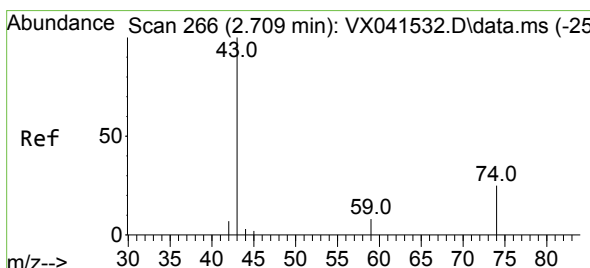
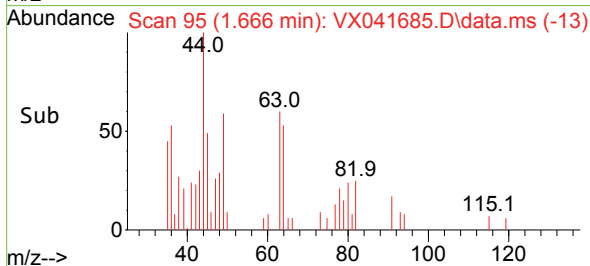
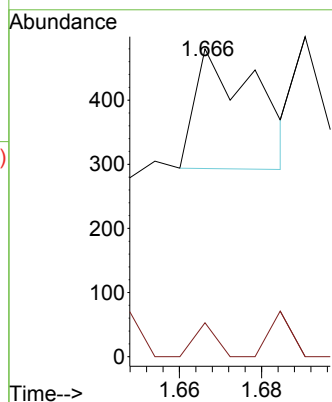
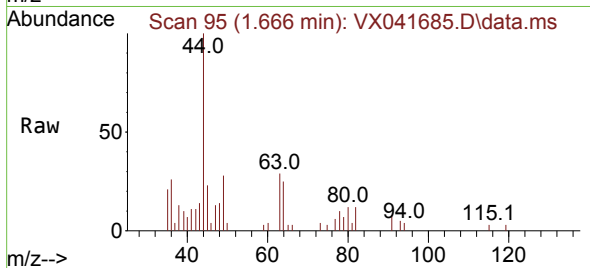




#6
Chloroethane
Concen: 0.251 ug/l
RT: 1.666 min Scan# 91
Delta R.T. 0.000 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

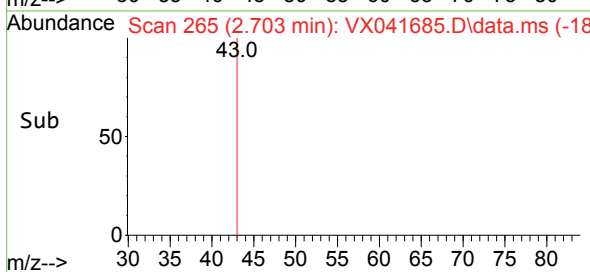
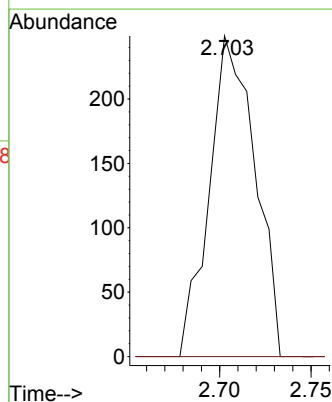
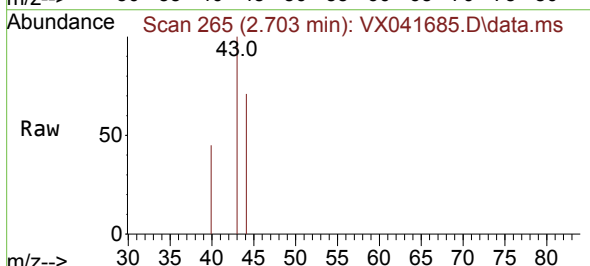
Instrument :
MSVOA_X
ClientSampleId :

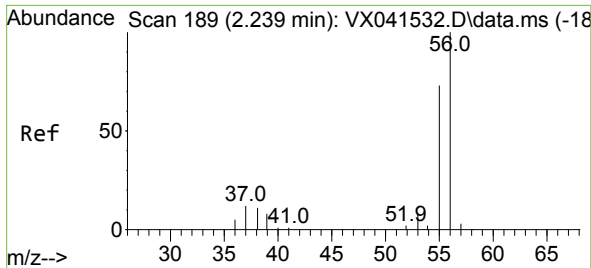
Tgt Ion: 64 Resp: 192
Ion Ratio Lower Upper
64 100
66 28.5 28.6 42.8#



#12
Methyl Acetate
Concen: 0.224 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Tgt Ion: 43 Resp: 434
Ion Ratio Lower Upper
43 100
74 0.0 19.9 29.9#





#13

Acrolein

Concen: 0.522 ug/l

RT: 2.233 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

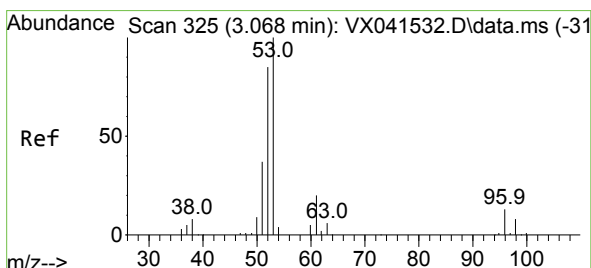
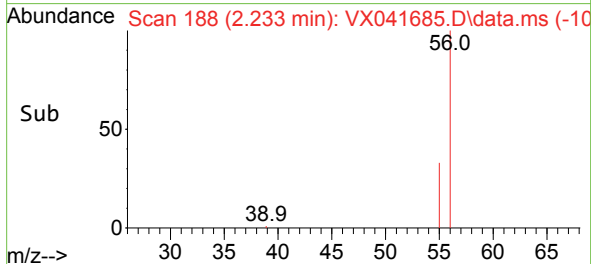
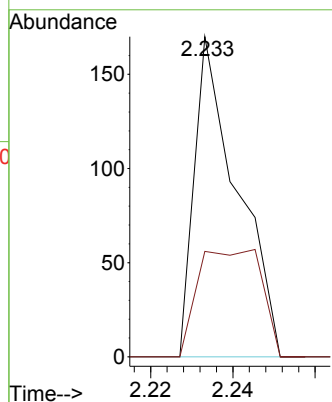
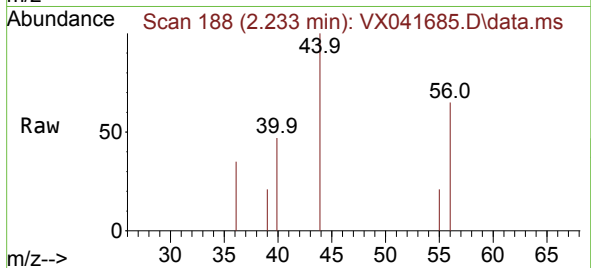
ClientSampleId :

Tgt Ion: 56 Resp: 123

Ion Ratio Lower Upper

56 100

55 49.6 55.1 82.7#



#14

Acrylonitrile

Concen: 0.289 ug/l

RT: 3.081 min Scan# 327

Delta R.T. 0.012 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

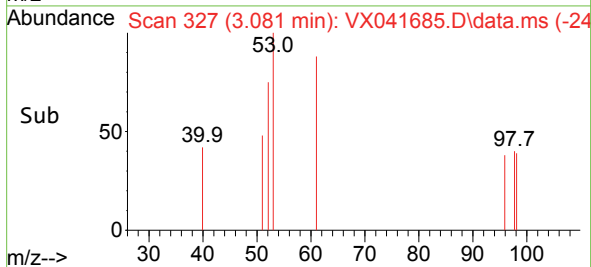
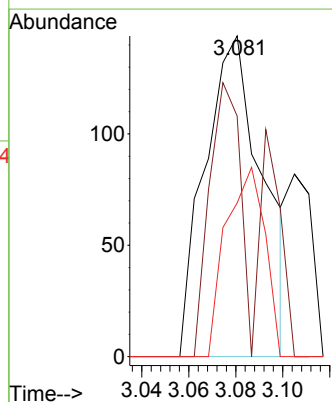
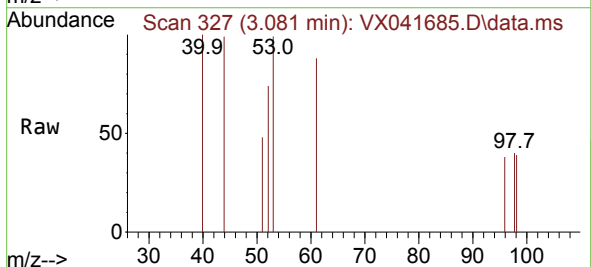
Tgt Ion: 53 Resp: 246

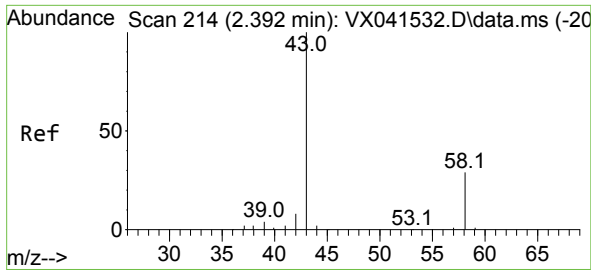
Ion Ratio Lower Upper

53 100

52 25.2 41.3 123.7#

51 39.8 18.4 55.0





#15

Acetone

Concen: 4.191 ug/l

RT: 2.386 min Scan# 214

Delta R.T. -0.006 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

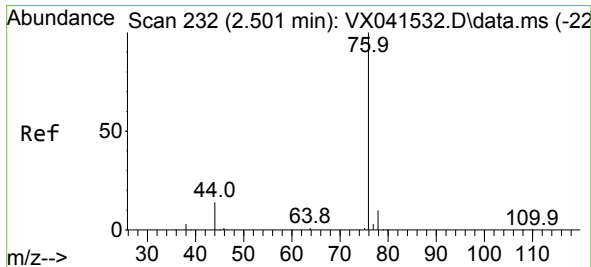
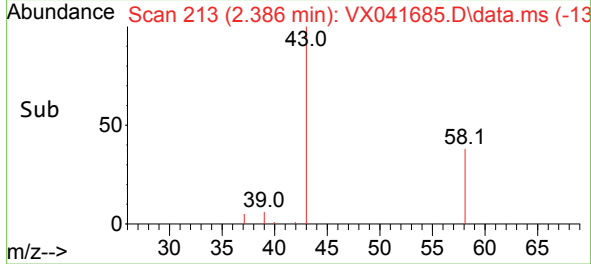
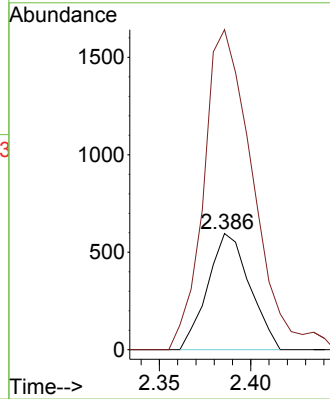
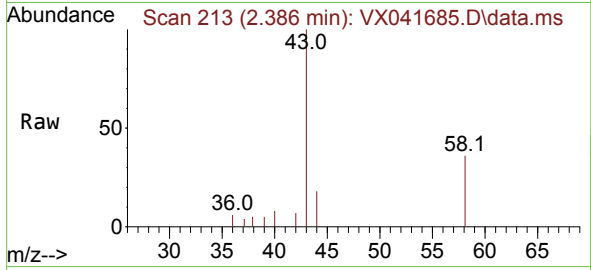
ClientSampleId :

Tgt Ion: 58 Resp: 955

Ion Ratio Lower Upper

58 100

43 254.2 274.0 411.0#



#16

Carbon Disulfide

Concen: 0.256 ug/l

RT: 2.501 min Scan# 232

Delta R.T. 0.000 min

Lab File: VX041685.D

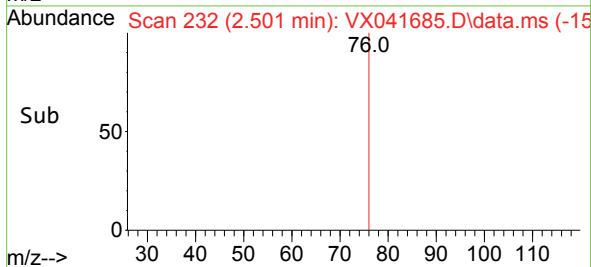
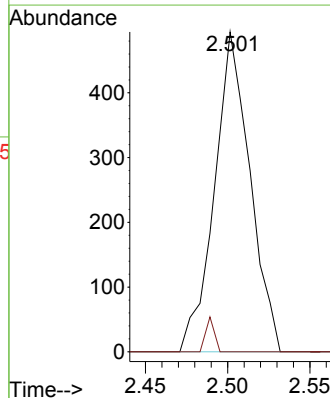
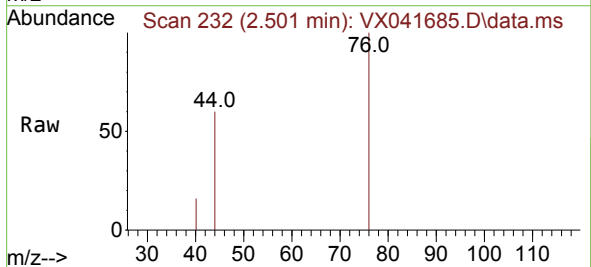
Acq: 30 May 2024 11:02

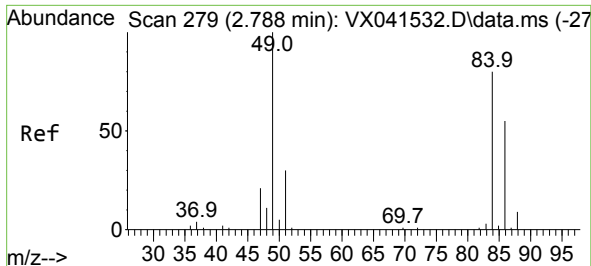
Tgt Ion: 76 Resp: 742

Ion Ratio Lower Upper

76 100

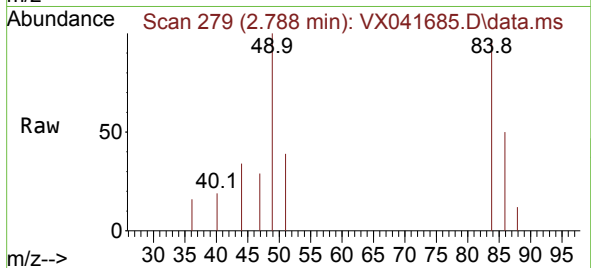
78 0.0 7.6 11.4#



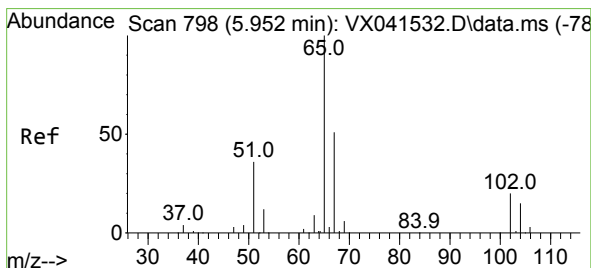
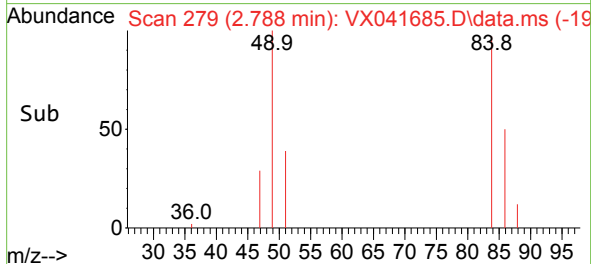
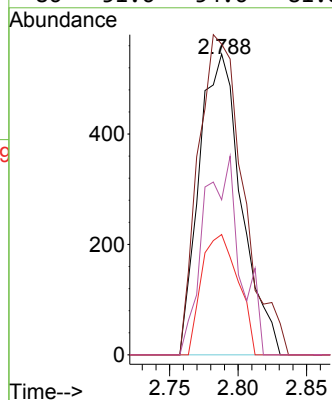


#18
Methylene Chloride
Concen: 0.765 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Instrument :
MSVOA_X
ClientSampleId :

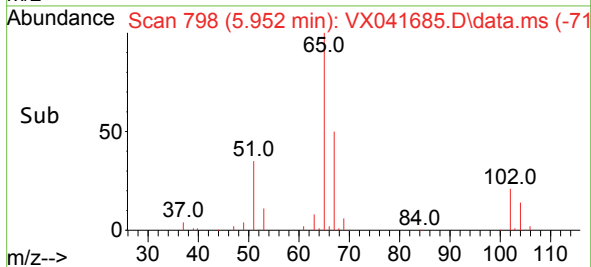
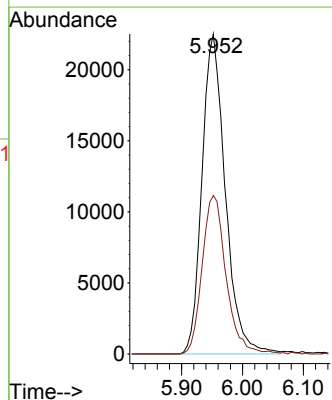
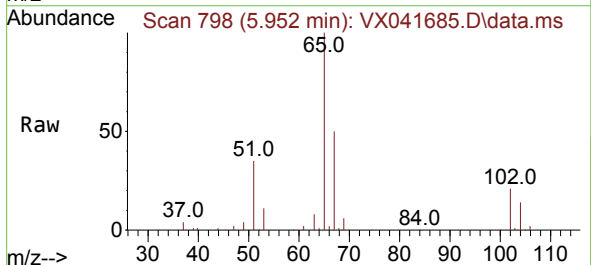


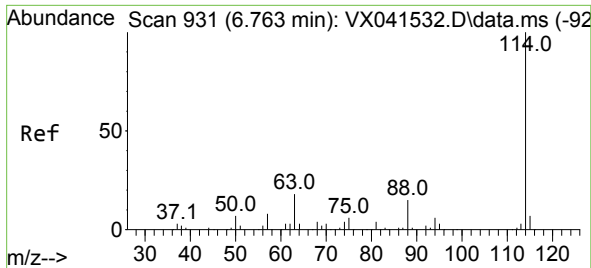
Tgt Ion:	84	Resp:	1168
Ion	Ratio	Lower	Upper
84	100		
49	103.3	99.8	149.8
51	40.0	30.2	45.4
86	51.6	54.6	81.8



#27
1,2-Dichloroethane-d4
Concen: 30.293 ug/l
RT: 5.952 min Scan# 798
Delta R.T. 0.000 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Tgt Ion:	65	Resp:	59889
Ion	Ratio	Lower	Upper
65	100		
67	50.3	40.8	61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

ClientSampleId :

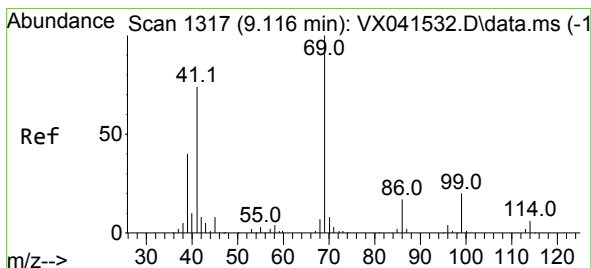
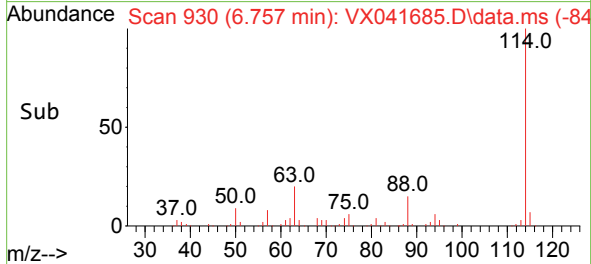
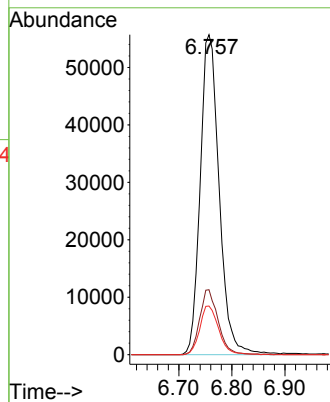
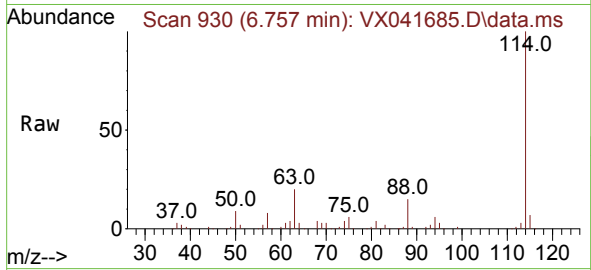
Tgt Ion:114 Resp: 138480

Ion Ratio Lower Upper

114 100

63 19.6 15.4 23.0

88 15.2 12.2 18.2



#51

Ethyl methacrylate

Concen: 0.228 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.463 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

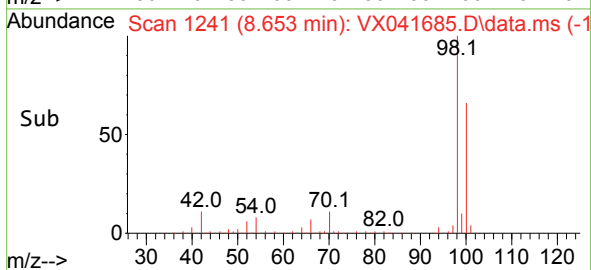
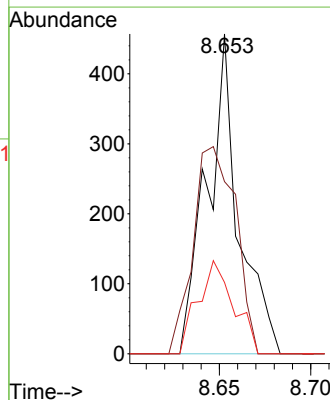
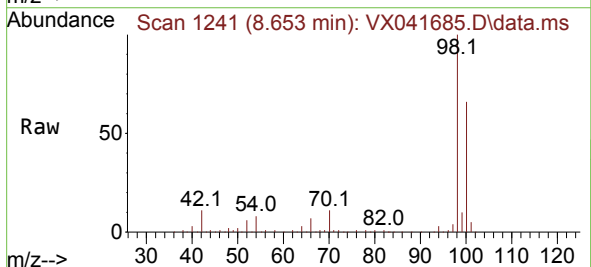
Tgt Ion: 69 Resp: 549

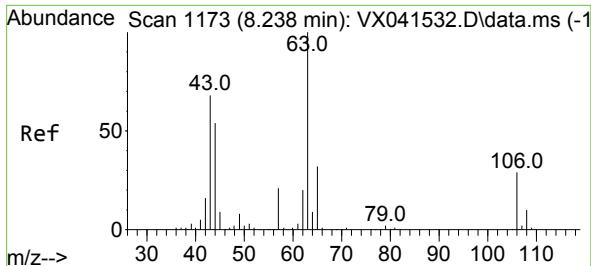
Ion Ratio Lower Upper

69 100

41 53.8 37.1 111.3

39 22.3 20.2 60.6





#55

2-Chloroethyl vinyl ether

Concen: 0.536 ug/l

RT: 8.269 min Scan# 1178

Delta R.T. 0.030 min

Lab File: VX041685.D

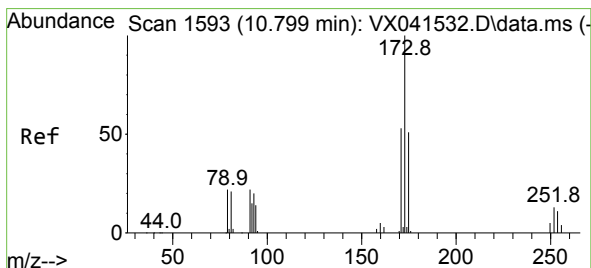
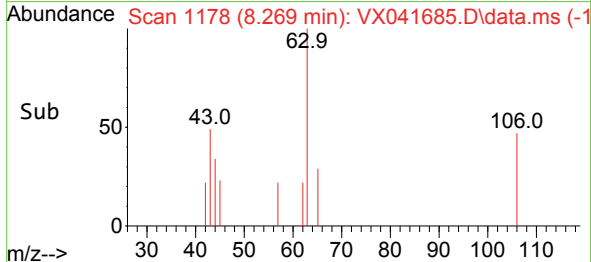
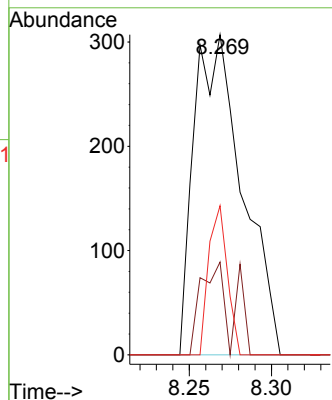
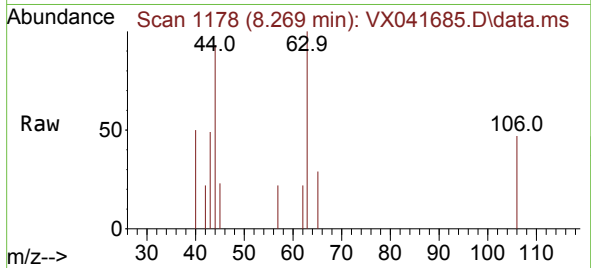
Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

ClientSampleId :

Tgt Ion: 63	Resp:	630
Ion	Ratio	Lower Upper
63	100	
65	13.5	25.5 38.3#
106	17.9	24.7 37.1#



#56

Bromoform

Concen: 0.389 ug/l

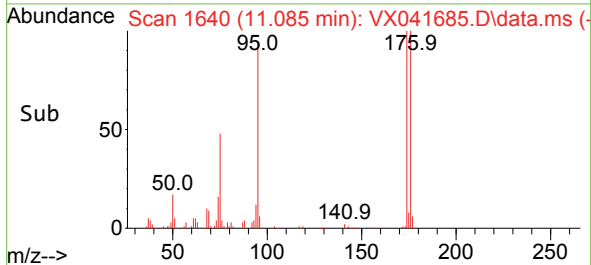
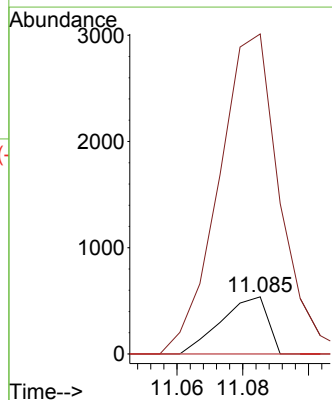
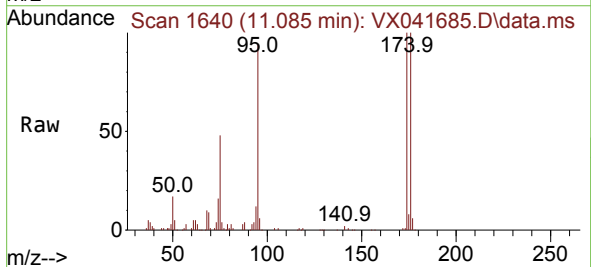
RT: 11.085 min Scan# 1640

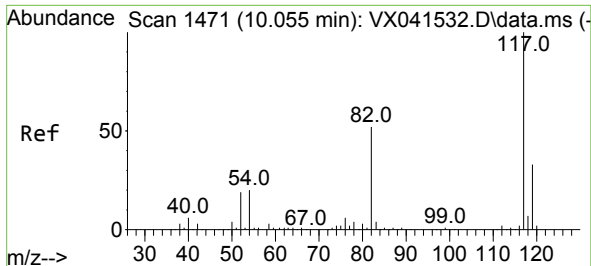
Delta R.T. 0.287 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

Tgt Ion: 173	Resp:	531
Ion	Ratio	Lower Upper
173	100	
175	736.9	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

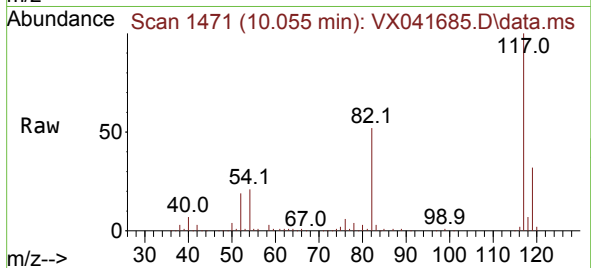
Lab File: VX041685.D

Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

ClientSampleId :



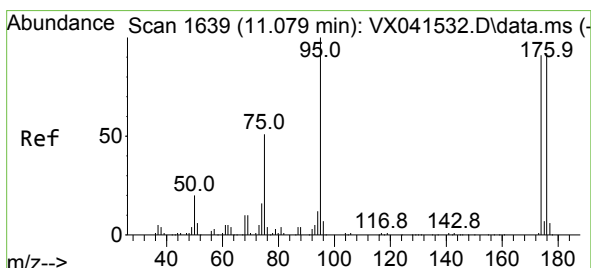
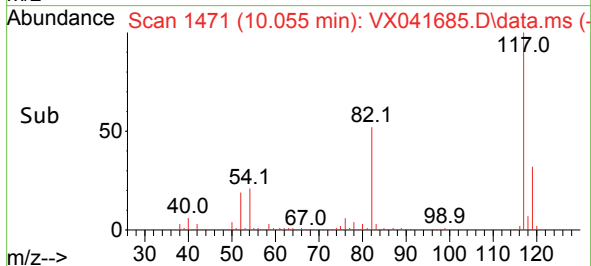
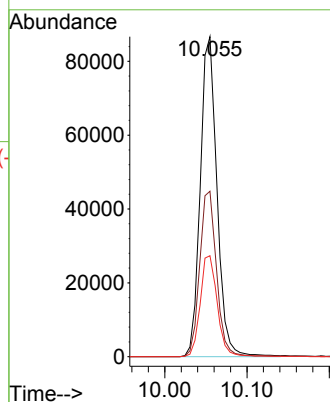
Tgt Ion:117 Resp: 122414

Ion Ratio Lower Upper

117 100

82 52.0 41.7 62.5

119 32.2 25.7 38.5



#60

4-Bromofluorobenzene

Concen: 28.101 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

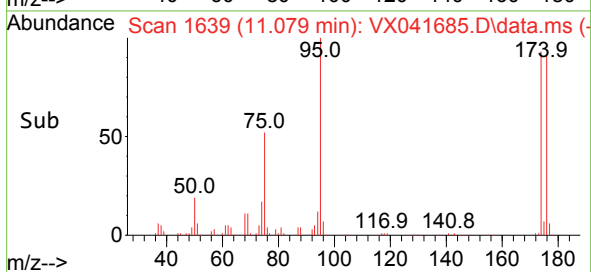
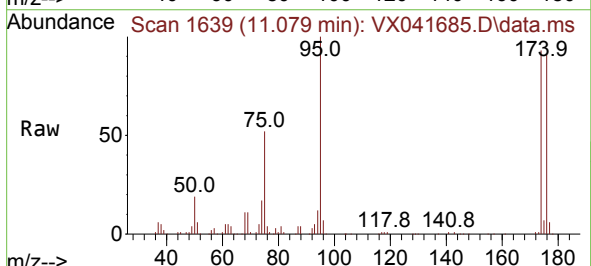
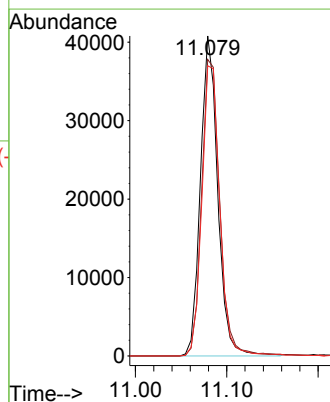
Tgt Ion: 95 Resp: 53700

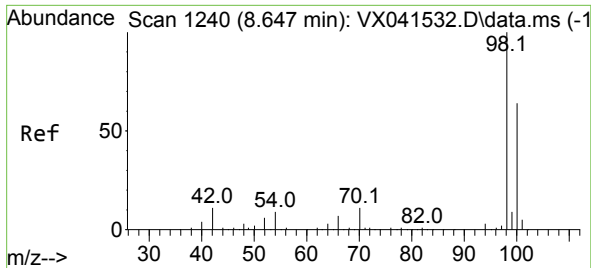
Ion Ratio Lower Upper

95 100

174 96.4 76.6 115.0

176 93.7 75.4 113.0

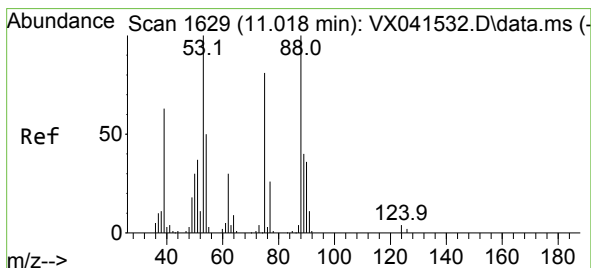
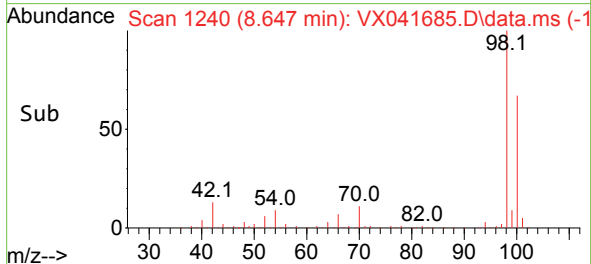
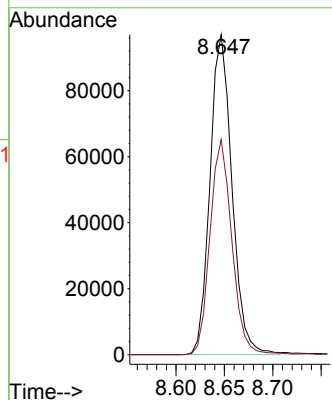
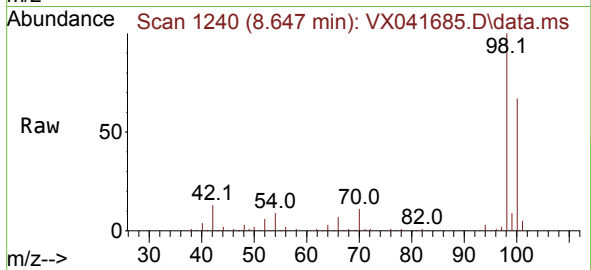




#63
Toluene-d8
Concen: 29.263 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

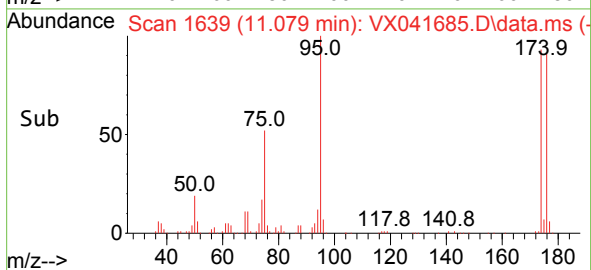
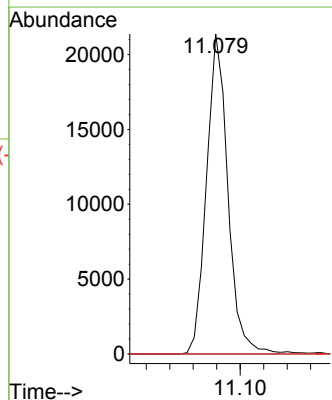
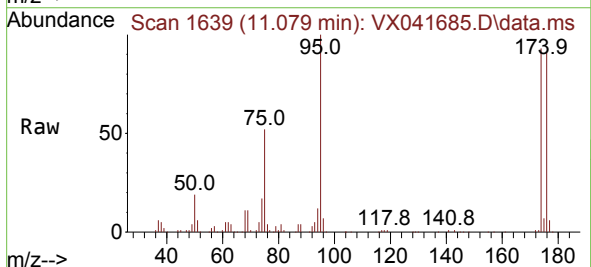
Instrument :
MSVOA_X
ClientSampleId :

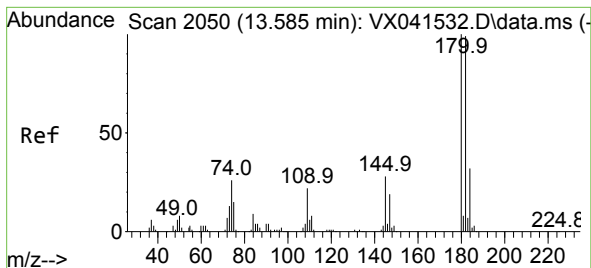
Tgt Ion: 98 Resp: 153554
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.194 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041685.D
Acq: 30 May 2024 11:02

Tgt Ion: 75 Resp: 26986
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#





#89

1,2,4-Trichlorobenzene

Concen: 0.205 ug/l

RT: 13.963 min Scan# 2112

Delta R.T. 0.378 min

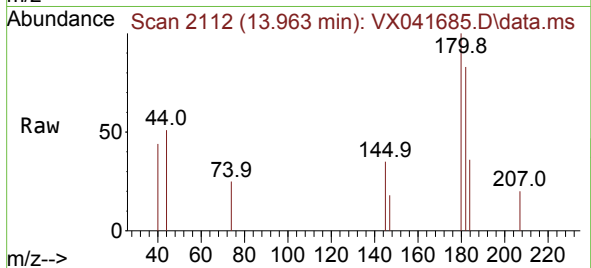
Lab File: VX041685.D

Acq: 30 May 2024 11:02

Instrument :

MSVOA_X

ClientSampleId :



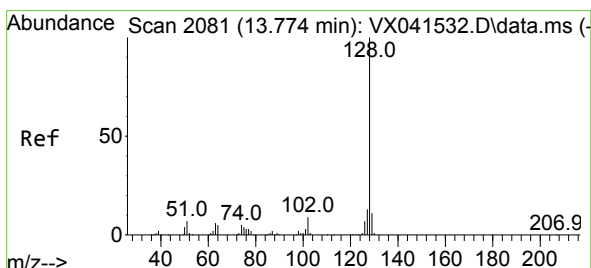
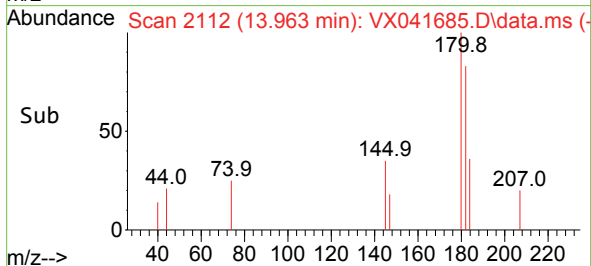
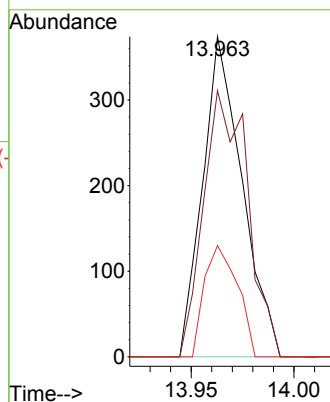
Tgt Ion:180 Resp: 498

Ion Ratio Lower Upper

180 100

182 92.8 77.0 115.4

145 29.3 22.7 34.1



#91

Naphthalene

Concen: 0.265 ug/l

RT: 13.786 min Scan# 2083

Delta R.T. 0.012 min

Lab File: VX041685.D

Acq: 30 May 2024 11:02

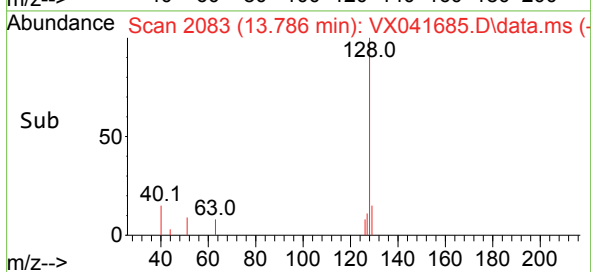
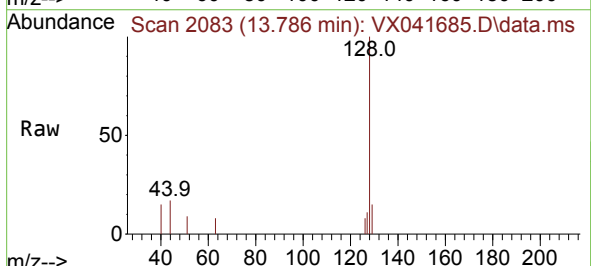
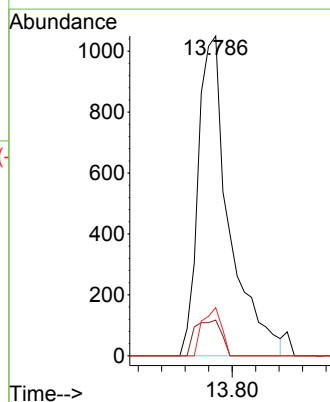
Tgt Ion:128 Resp: 1923

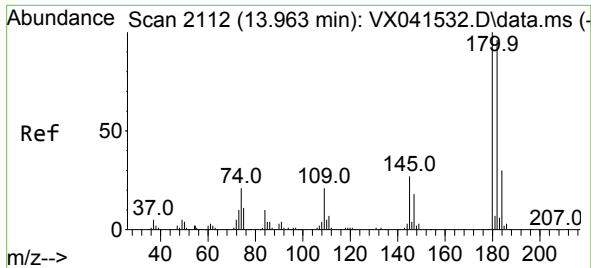
Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

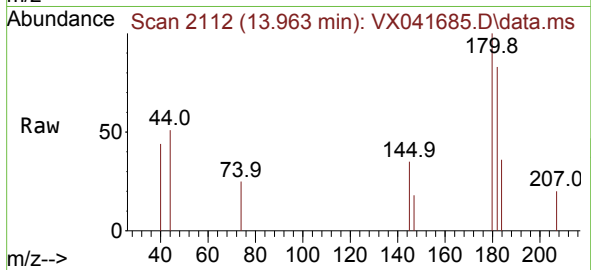
129 9.3 8.8 13.2





#92
 1,2,3-Trichlorobenzene
 Concen: 0.200 ug/l
 RT: 13.963 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VX041685.D
 Acq: 30 May 2024 11:02

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion:180 Resp: 498
 Ion Ratio Lower Upper
 180 100
 182 92.8 0.0 191.0
 145 29.3 0.0 58.6

