

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
 Data File : VX041690.D
 Acq On : 30 May 2024 13:19
 Operator : JC/MD
 Sample : P2509-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: May 31 05:30:09 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)

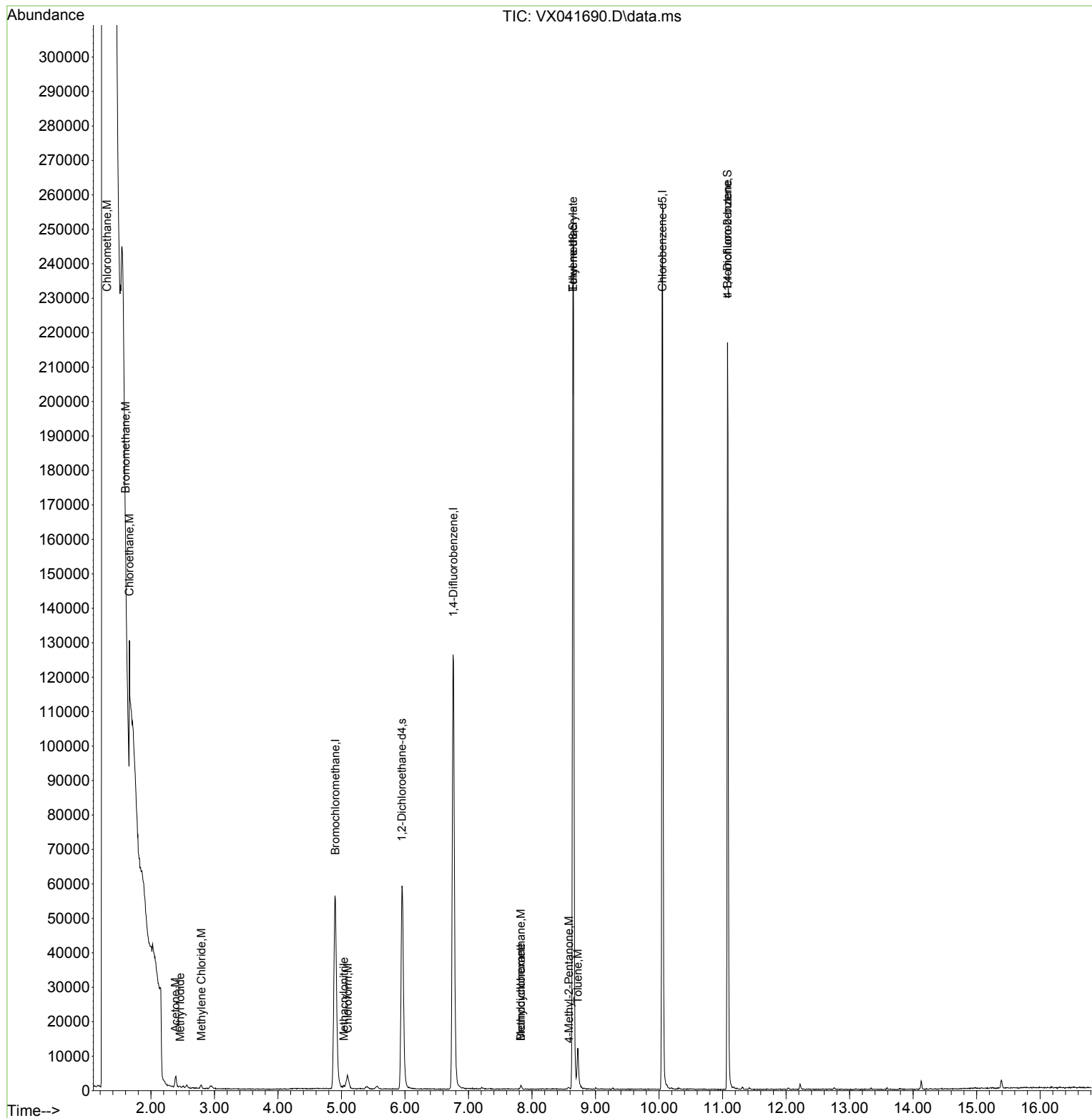
Internal Standards						
1) Bromochloromethane	4.903	128	25604	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	135454	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	121938	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.952	65	59392	29.456	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	98.200%
60) 4-Bromofluorobenzene	11.079	95	53162	27.928	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	93.100%
63) Toluene-d8	8.647	98	152356	29.148	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.167%
Target Compounds						
					Qvalue	
3) Chloromethane	1.307	50	11512	7.850	ug/l #	45
5) Bromomethane	1.599	94	330	0.336	ug/l #	81
6) Chloroethane	1.660	64	20495	26.255	ug/l #	47
11) Methyl Iodide	2.459	142	421	0.270	ug/l #	85
15) Acetone	2.386	58	992	4.268	ug/l	93
18) Methylene Chloride	2.794	84	555	0.356	ug/l #	67
25) Chloroform	5.099	83	4584	1.570	ug/l	91
35) Methacrylonitrile	5.038	41	323	0.269	ug/l #	52
38) Methylcyclohexane	7.824	83	759	0.334	ug/l #	18
41) Bromodichloromethane	7.824	83	832	0.421	ug/l #	86
51) Ethyl methacrylate	8.647	69	499	0.212	ug/l	84
58) 4-Methyl-2-Pentanone	8.580	43	917	0.412	ug/l #	44
62) Toluene	8.720	91	8138	1.341	ug/l	99
77) t-1,4-Dichloro-2-butene	11.079	75	27032	41.426	ug/l #	1

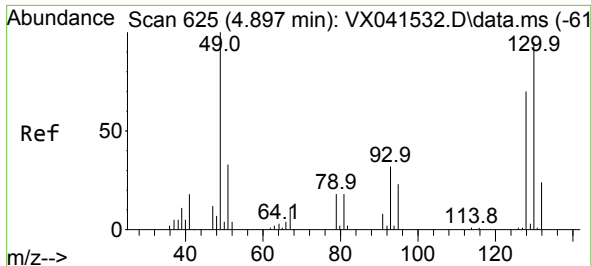
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX053024\
Data File : VX041690.D
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Sample : P2509-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :

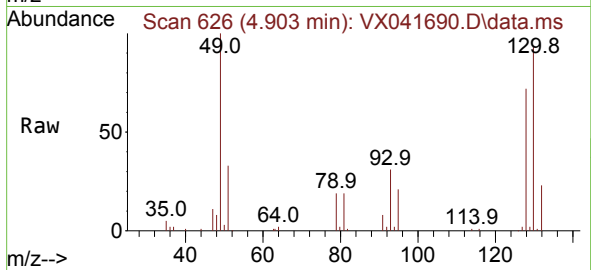
Quant Time: May 31 05:30:09 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
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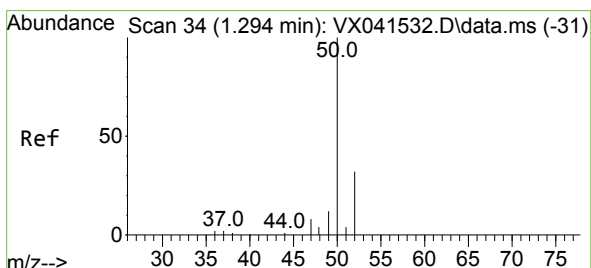
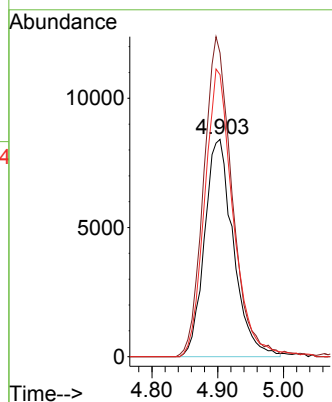
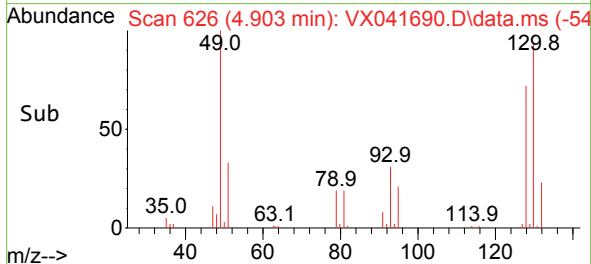


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.903 min Scan# 61
Delta R.T. 0.006 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :

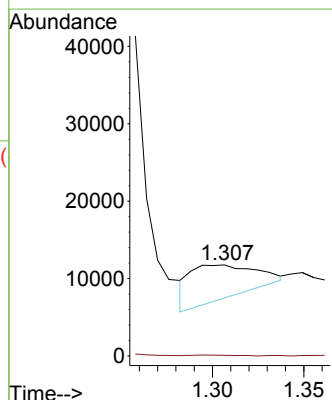
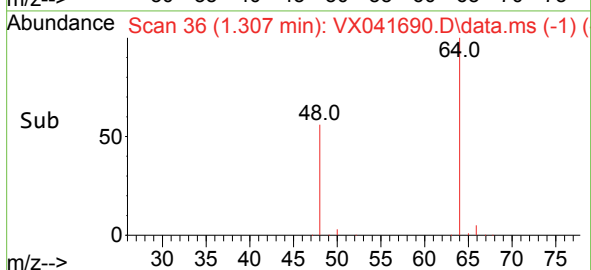
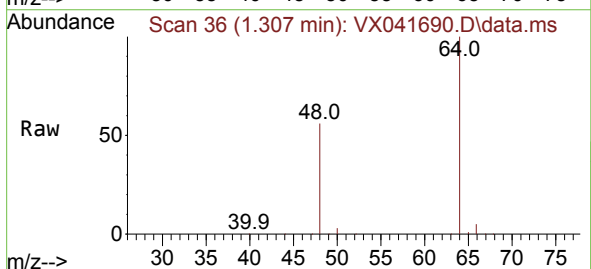


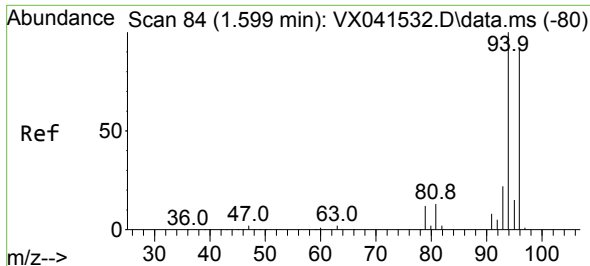
Tgt Ion:128 Resp: 25604
Ion Ratio Lower Upper
128 100
49 145.3 0.0 361.5
130 130.3 0.0 324.3



#3
Chloromethane
Concen: 7.850 ug/l
RT: 1.307 min Scan# 36
Delta R.T. 0.012 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

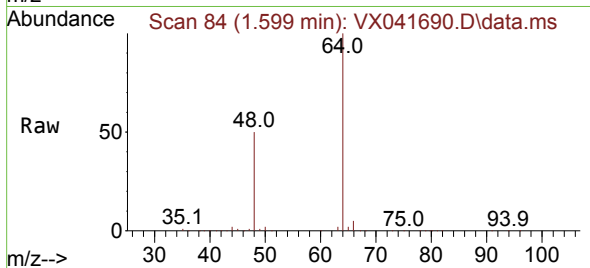
Tgt Ion: 50 Resp: 11512
Ion Ratio Lower Upper
50 100
52 1.6 25.8 38.8#



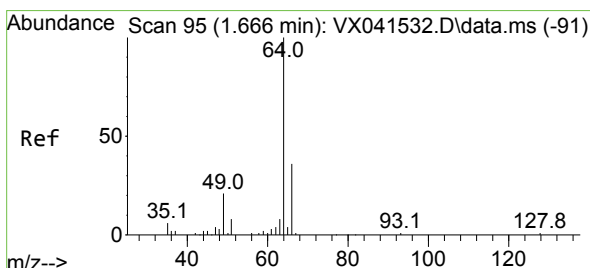
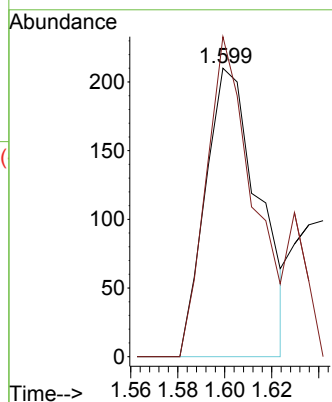


#5
Bromomethane
Concen: 0.336 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.000 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :

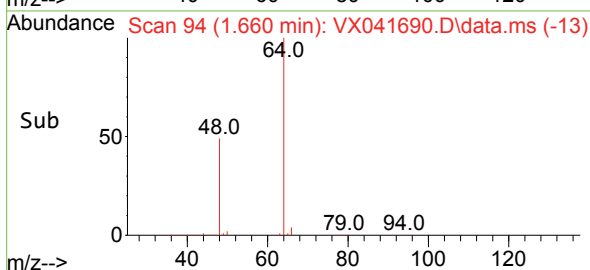
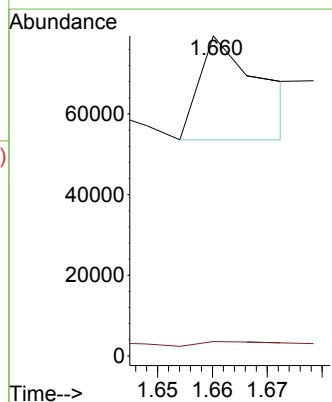
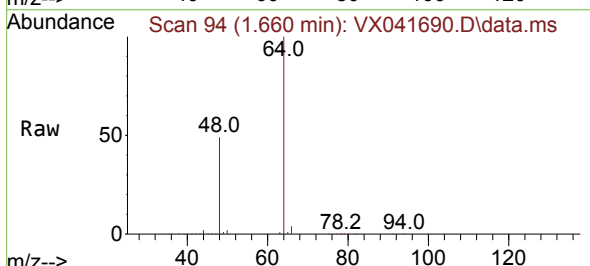


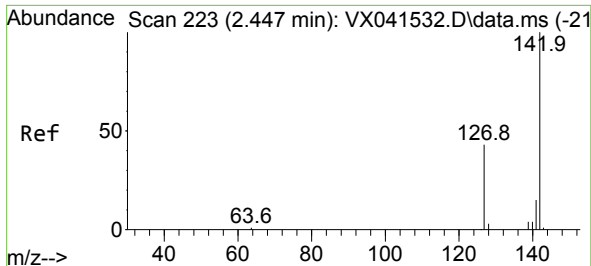
Tgt Ion: 94 Resp: 330
Ion Ratio Lower Upper
94 100
96 111.0 73.9 110.9#



#6
Chloroethane
Concen: 26.255 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

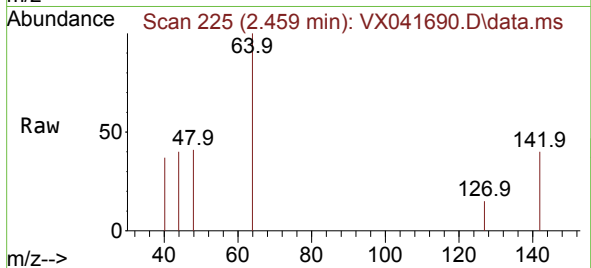
Tgt Ion: 64 Resp: 20495
Ion Ratio Lower Upper
64 100
66 4.5 28.6 42.8#



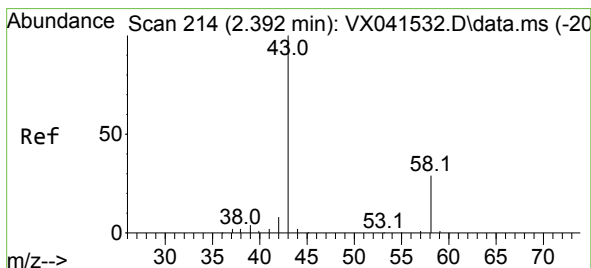
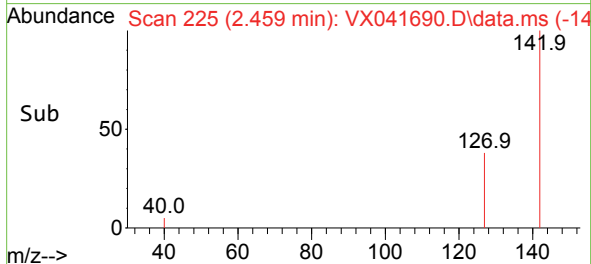
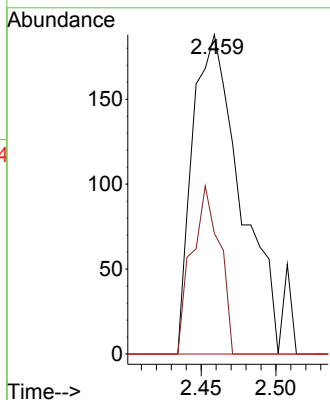


#11
Methyl Iodide
Concen: 0.270 ug/l
RT: 2.459 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :

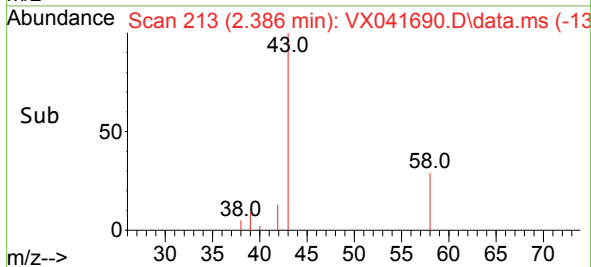
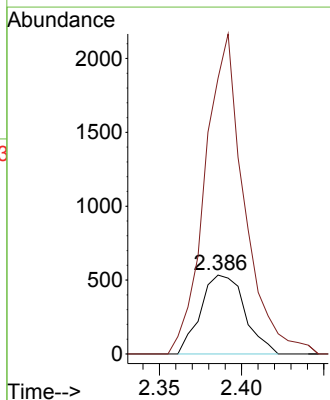
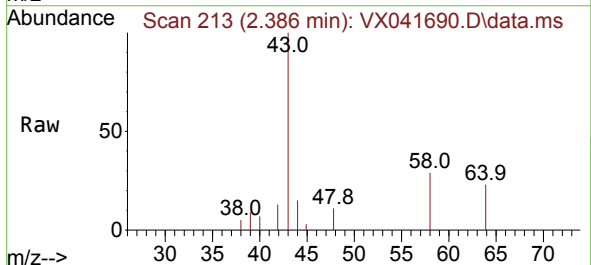


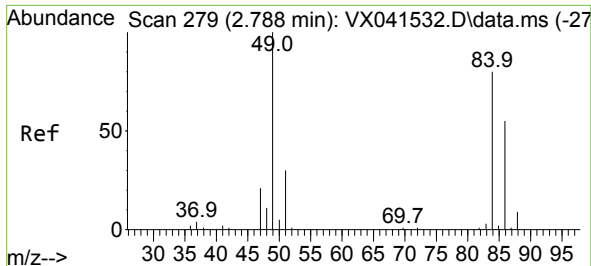
Tgt Ion:142 Resp: 421
Ion Ratio Lower Upper
142 100
127 37.8 21.4 64.2
141 0.0 7.6 22.8#



#15
Acetone
Concen: 4.268 ug/l
RT: 2.386 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Tgt Ion: 58 Resp: 992
Ion Ratio Lower Upper
58 100
43 327.3 274.0 411.0





#18

Methylene Chloride

Concen: 0.356 ug/l

RT: 2.794 min Scan# 21

Delta R.T. 0.006 min

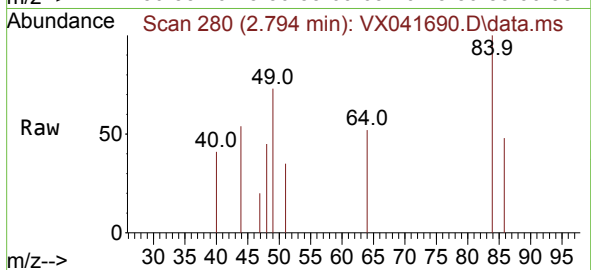
Lab File: VX041690.D

Acq: 30 May 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion: 84 Resp: 555

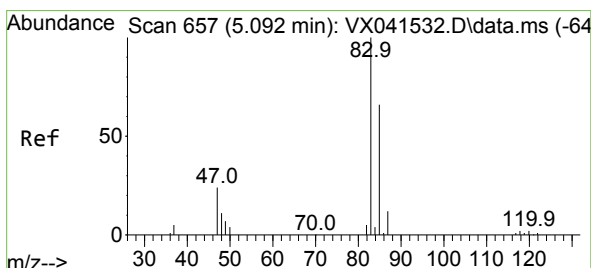
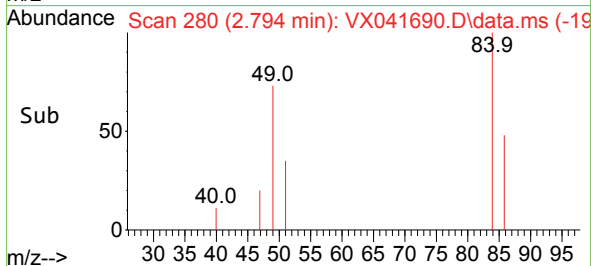
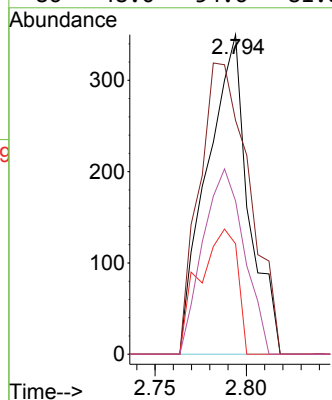
Ion Ratio Lower Upper

84 100

49 73.1 99.8 149.8#

51 34.6 30.2 45.4

86 48.0 54.6 81.8#



#25

Chloroform

Concen: 1.570 ug/l

RT: 5.099 min Scan# 658

Delta R.T. 0.006 min

Lab File: VX041690.D

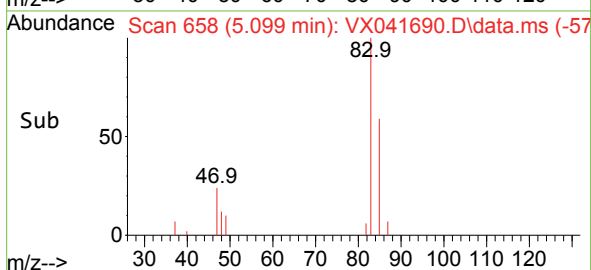
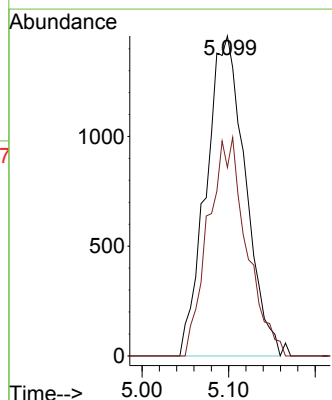
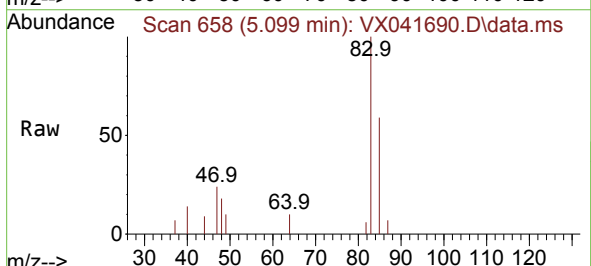
Acq: 30 May 2024 13:19

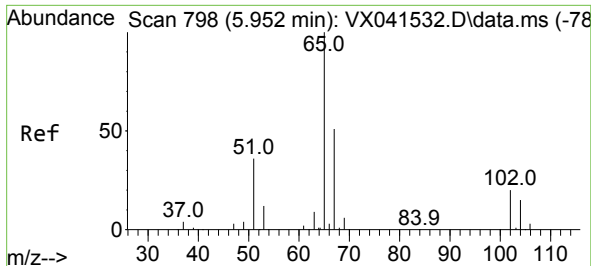
Tgt Ion: 83 Resp: 4584

Ion Ratio Lower Upper

83 100

85 58.9 52.9 79.3





#27

1,2-Dichloroethane-d4

Concen: 29.456 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.000 min

Lab File: VX041690.D

Acq: 30 May 2024 13:19

Instrument :

MSVOA_X

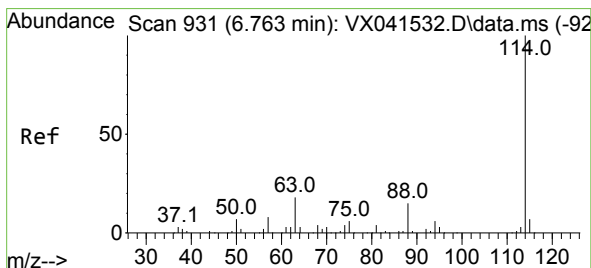
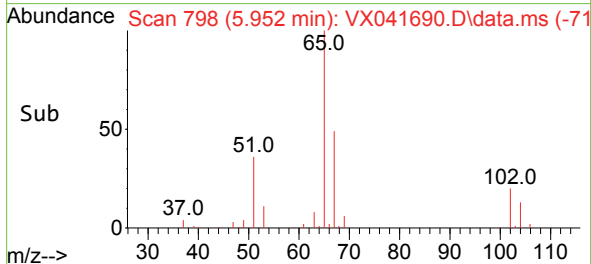
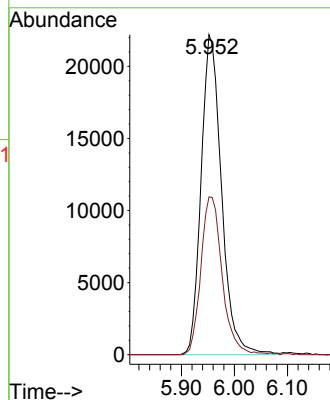
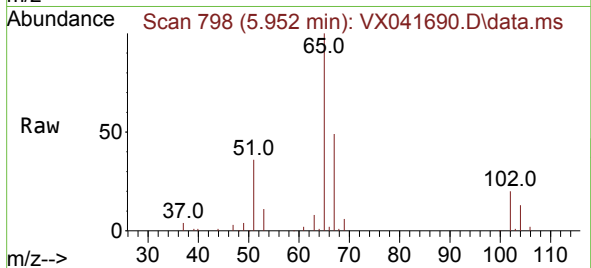
ClientSampleId :

Tgt Ion: 65 Resp: 59392

Ion Ratio Lower Upper

65 100

67 51.1 40.8 61.2



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX041690.D

Acq: 30 May 2024 13:19

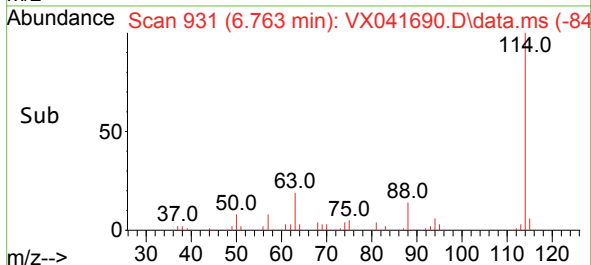
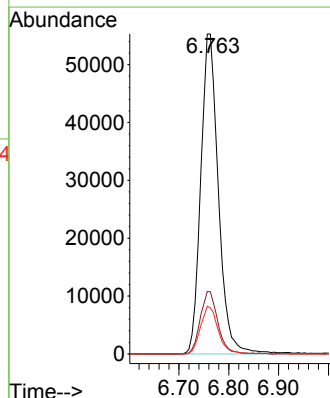
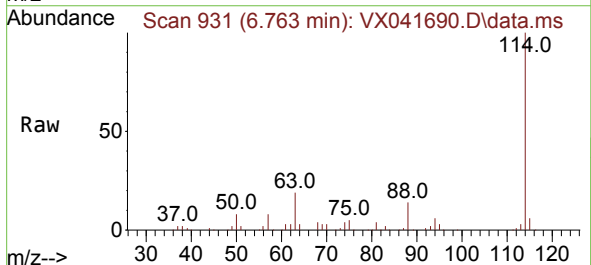
Tgt Ion: 114 Resp: 135454

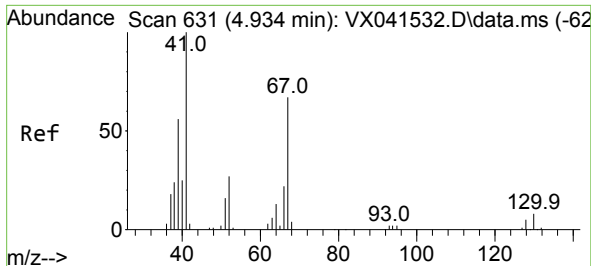
Ion Ratio Lower Upper

114 100

63 19.4 15.4 23.0

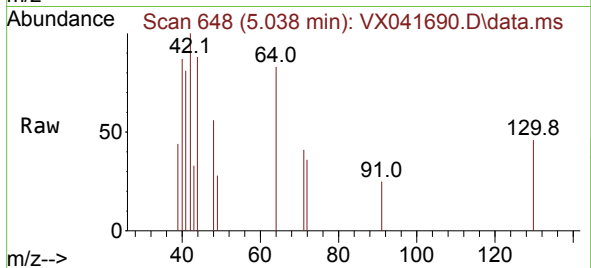
88 14.9 12.2 18.2



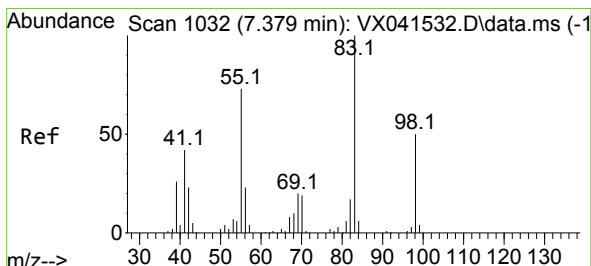
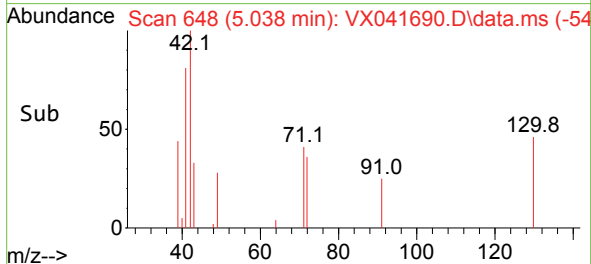
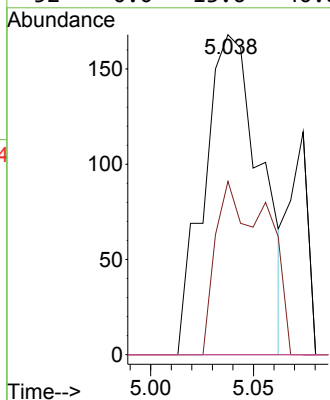


#35
Methacrylonitrile
Concen: 0.269 ug/l
RT: 5.038 min Scan# 64
Delta R.T. 0.104 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :

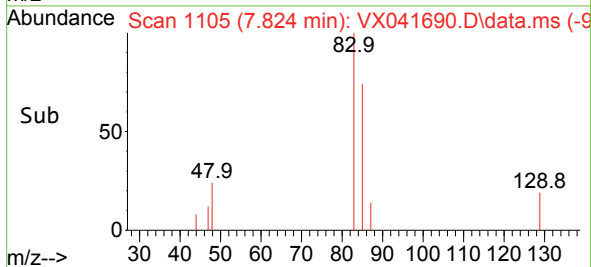
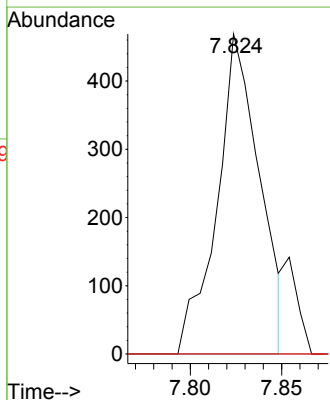
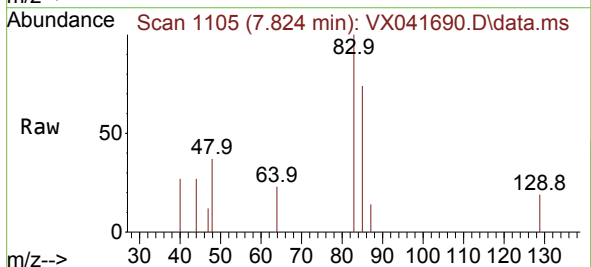


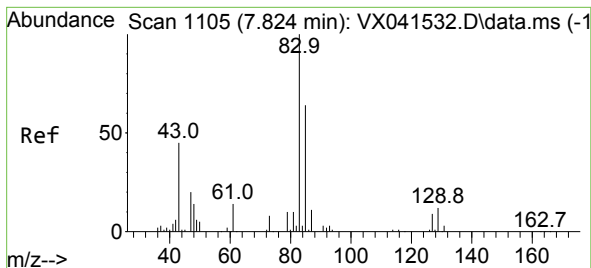
Tgt Ion:	41	Resp:	323
Ion	Ratio	Lower	Upper
41	100		
39	54.2	28.1	84.4
67	0.0	33.7	101.1#
52	0.0	13.6	40.8#



#38
Methylcyclohexane
Concen: 0.334 ug/l
RT: 7.824 min Scan# 1105
Delta R.T. 0.445 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Tgt Ion:	83	Resp:	759
Ion	Ratio	Lower	Upper
83	100		
55	0.0	37.7	113.1#
98	0.0	25.1	75.3#





#41

Bromodichloromethane

Concen: 0.421 ug/l

RT: 7.824 min Scan# 1105

Delta R.T. 0.000 min

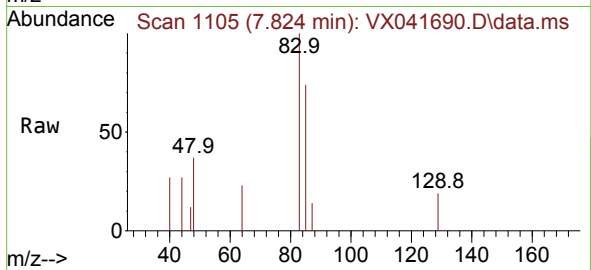
Lab File: VX041690.D

Acq: 30 May 2024 13:19

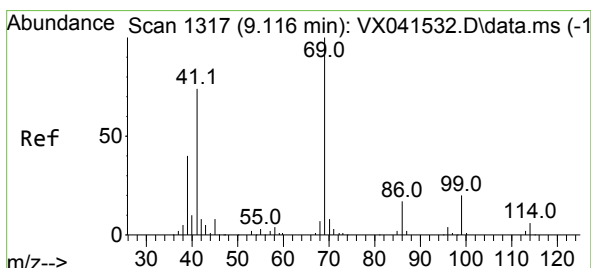
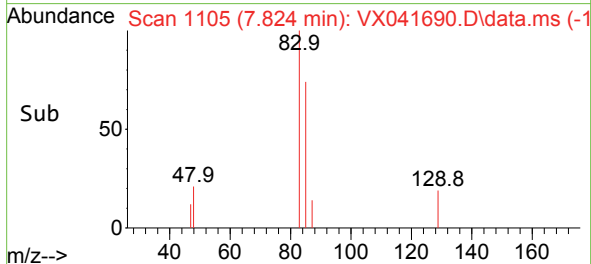
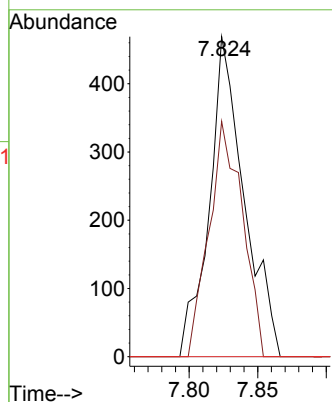
Instrument :

MSVOA_X

ClientSampleId :



Tgt Ion:	83	Resp:	832
Ion	Ratio	Lower	Upper
83	100		
85	73.6	51.0	76.4
127	0.0	7.1	10.7#



#51

Ethyl methacrylate

Concen: 0.212 ug/l

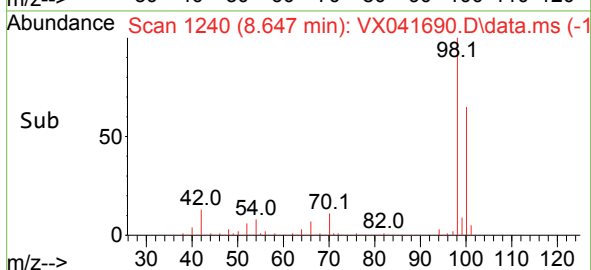
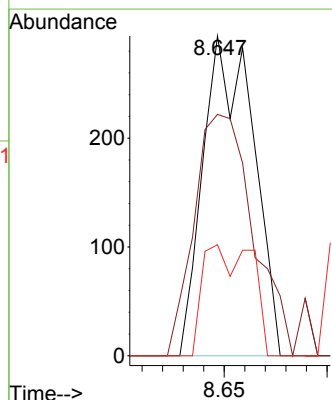
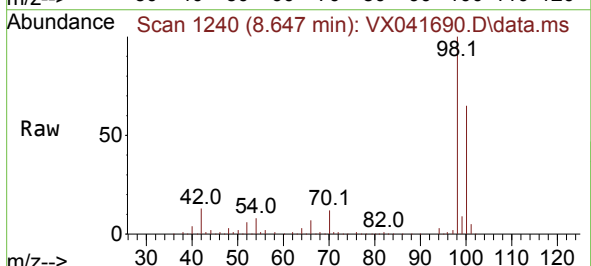
RT: 8.647 min Scan# 1240

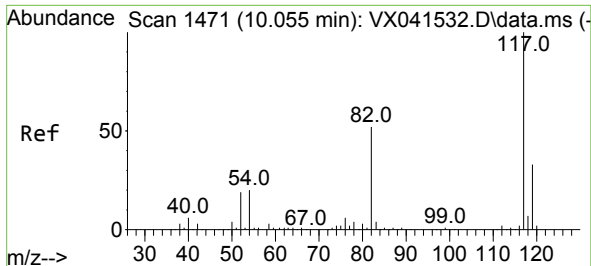
Delta R.T. -0.469 min

Lab File: VX041690.D

Acq: 30 May 2024 13:19

Tgt Ion:	69	Resp:	499
Ion	Ratio	Lower	Upper
69	100		
41	57.8	37.1	111.3
39	34.7	20.2	60.6





#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX041690.D

Acq: 30 May 2024 13:19

Instrument :

MSVOA_X

ClientSampleId :

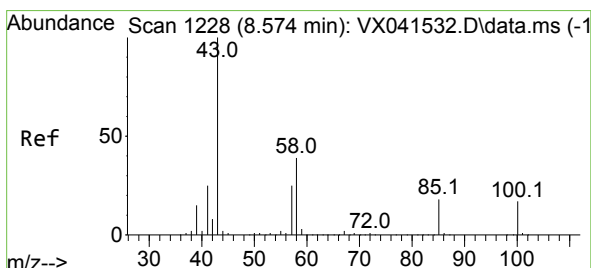
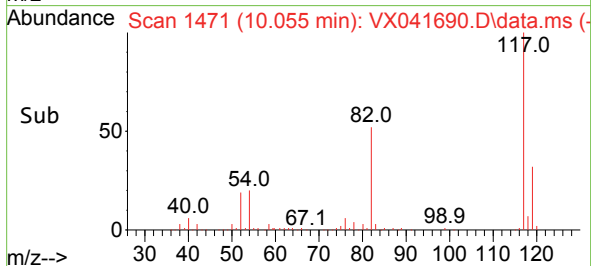
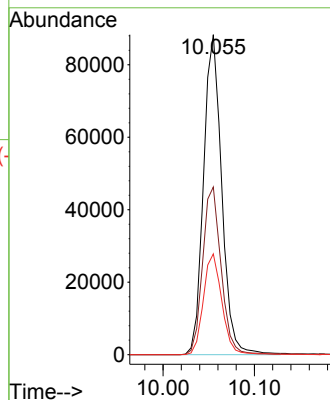
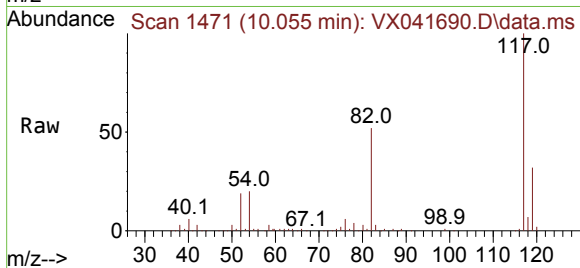
Tgt Ion:117 Resp: 121938

Ion Ratio Lower Upper

117 100

82 53.2 41.7 62.5

119 31.8 25.7 38.5



#58

4-Methyl-2-Pentanone

Concen: 0.412 ug/l

RT: 8.580 min Scan# 1229

Delta R.T. 0.006 min

Lab File: VX041690.D

Acq: 30 May 2024 13:19

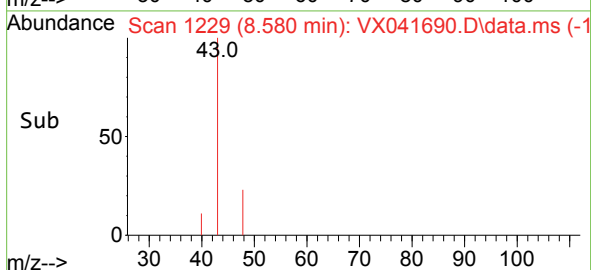
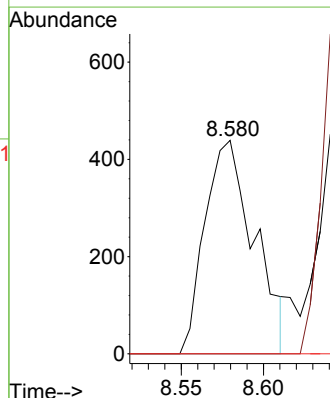
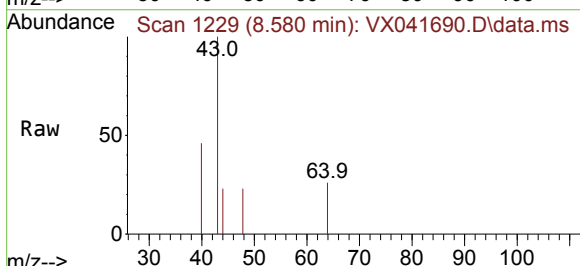
Tgt Ion: 43 Resp: 917

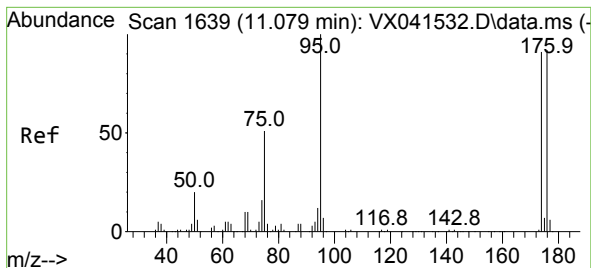
Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.4#

85 0.0 14.6 21.8#

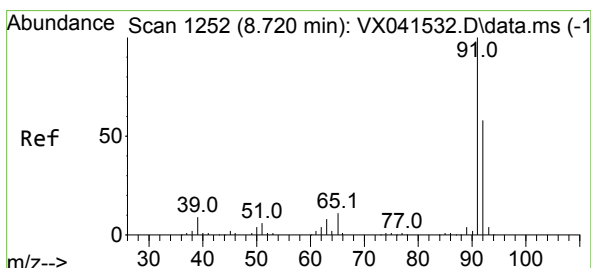
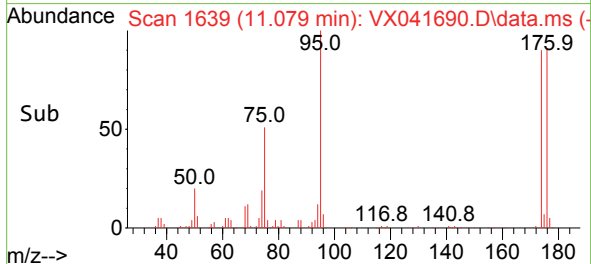
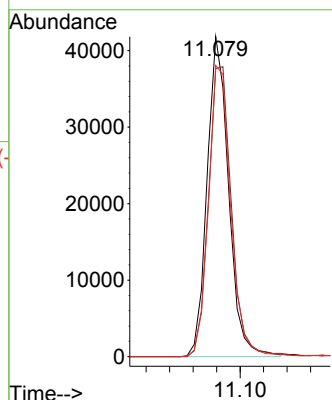
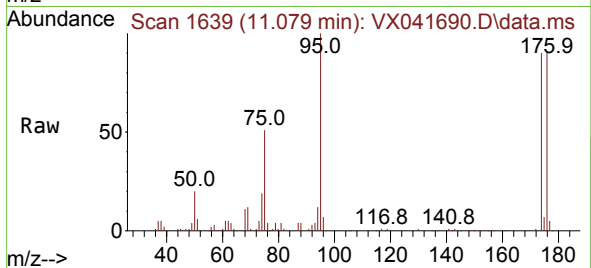




#60
4-Bromofluorobenzene
Concen: 27.928 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

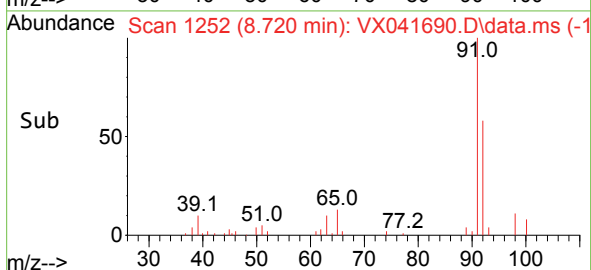
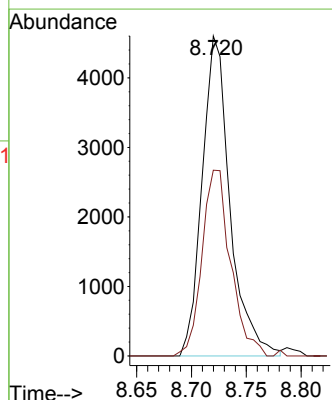
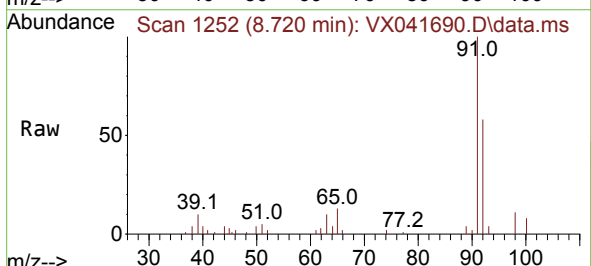
Instrument :
MSVOA_X
ClientSampleId :

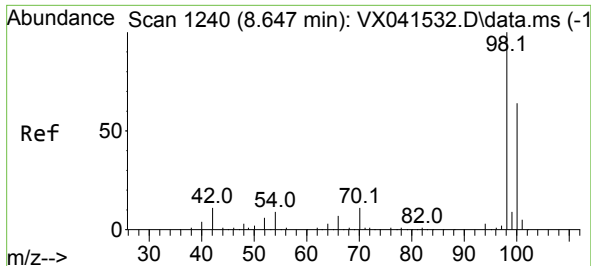
Tgt Ion: 95 Resp: 53162
Ion Ratio Lower Upper
95 100
174 97.7 76.6 115.0
176 93.6 75.4 113.0



#62
Toluene
Concen: 1.341 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Tgt Ion: 91 Resp: 8138
Ion Ratio Lower Upper
91 100
92 59.7 47.0 70.6

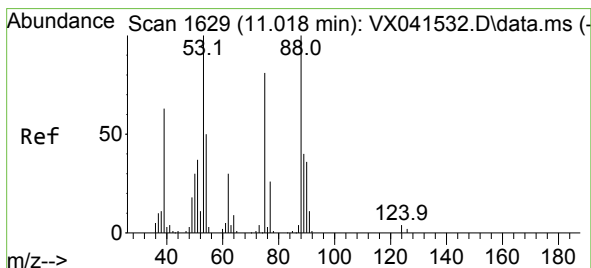
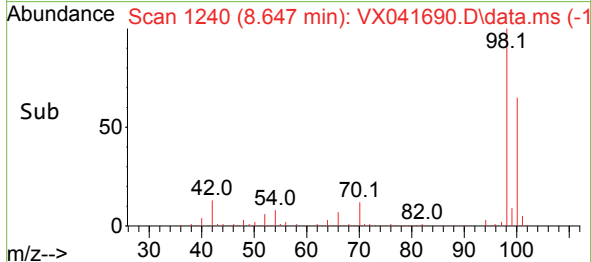
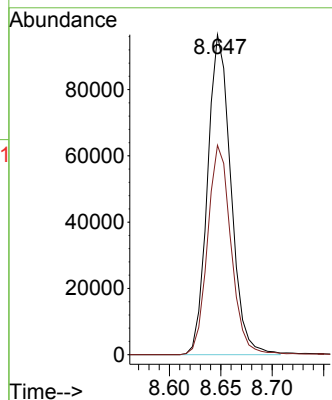
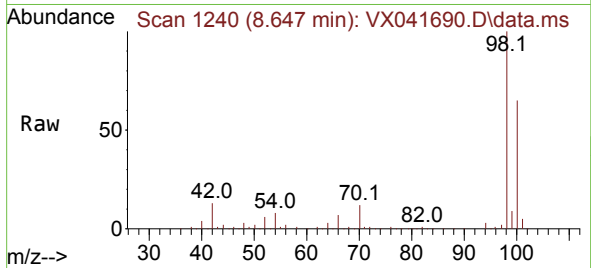




#63
Toluene-d8
Concen: 29.148 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Instrument :
MSVOA_X
ClientSampleId :

Tgt Ion: 98 Resp: 152356
Ion Ratio Lower Upper
98 100
100 65.9 53.1 79.7



#77
t-1,4-Dichloro-2-butene
Concen: 41.426 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX041690.D
Acq: 30 May 2024 13:19

Tgt Ion: 75 Resp: 27032
Ion Ratio Lower Upper
75 100
53 0.0 61.8 185.3#
89 0.0 24.9 74.7#

