

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060724\
 Data File : VX041788.D
 Acq On : 07 Jun 2024 14:14
 Operator : JC/MD
 Sample : P2777-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

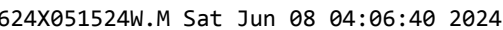
Quant Time: Jun 08 04:06:29 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X051524W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu May 16 05:13:13 2024
 Response via : Initial Calibration

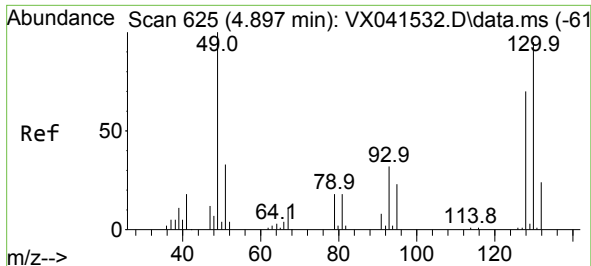
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	4.897	128	24589	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	133142	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	119034	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	59343	30.647	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	102.167%
60) 4-Bromofluorobenzene	11.079	95	51689	27.817	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	92.733%
63) Toluene-d8	8.647	98	149963	29.390	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	97.967%
Target Compounds						
					Qvalue	
5) Bromomethane	1.593	94	296	0.314	ug/l #	57
6) Chloroethane	1.660	64	558	0.744	ug/l #	49
15) Acetone	2.392	58	1037	4.646	ug/l	91
16) Carbon Disulfide	2.501	76	935	0.329	ug/l #	74
18) Methylene Chloride	2.782	84	544	0.364	ug/l #	89
25) Chloroform	5.099	83	5197	1.853	ug/l	87
51) Ethyl methacrylate	8.647	69	492	0.212	ug/l	87
56) Bromoform	11.085	173	443	0.338	ug/l #	1
58) 4-Methyl-2-Pentanone	8.653	43	705	0.324	ug/l #	1
72) 1,2,3-Trichloropropane	11.079	75	26228	12.942	ug/l	37
77) t-1,4-Dichloro-2-butene	11.079	75	26228	41.174	ug/l #	1

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

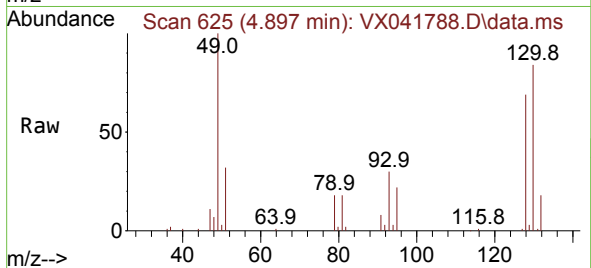
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu May 16 05:13:13 2024
Response via : Initial Calibration



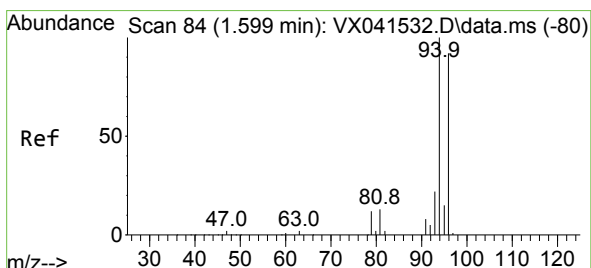
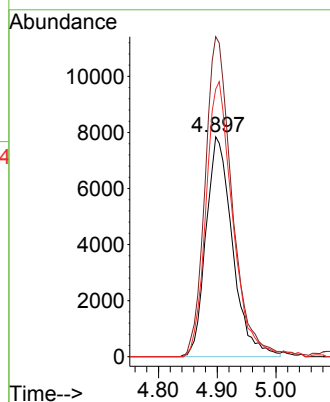
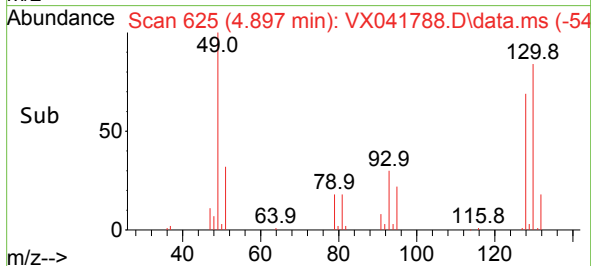


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.897 min Scan# 61
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :

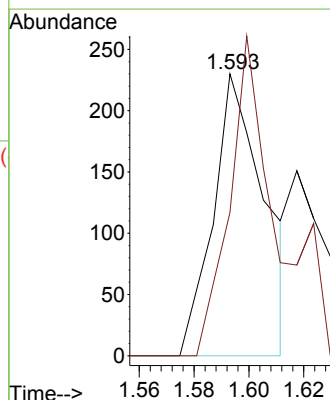
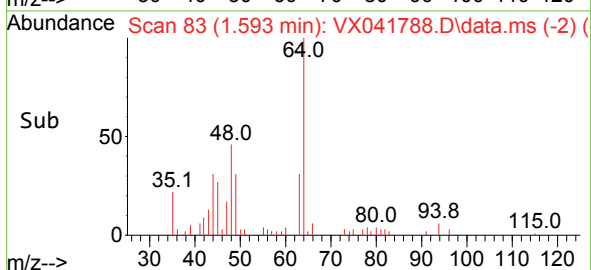
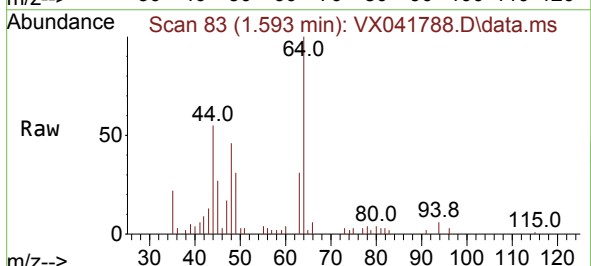


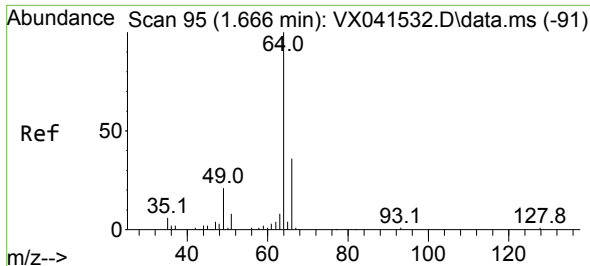
Tgt Ion:128 Resp: 24589
Ion Ratio Lower Upper
128 100
49 147.3 0.0 361.5
130 125.4 0.0 324.3



#5
Bromomethane
Concen: 0.314 ug/l
RT: 1.593 min Scan# 83
Delta R.T. -0.006 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Tgt Ion: 94 Resp: 296
Ion Ratio Lower Upper
94 100
96 50.9 73.9 110.9#

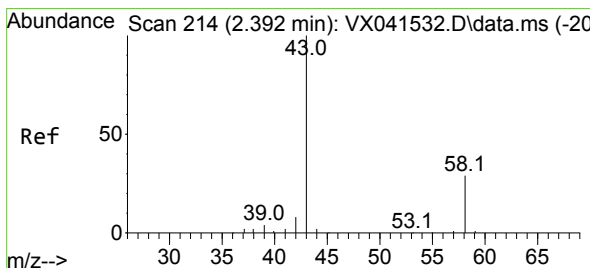
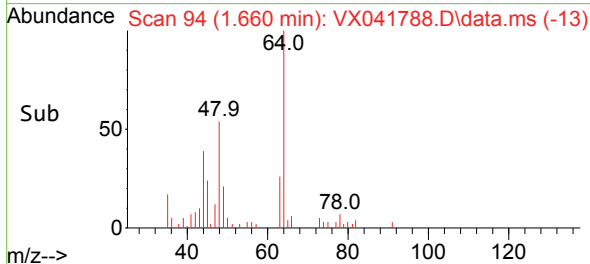
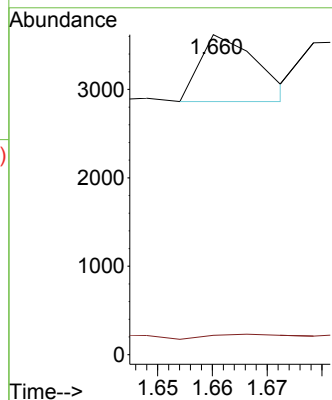
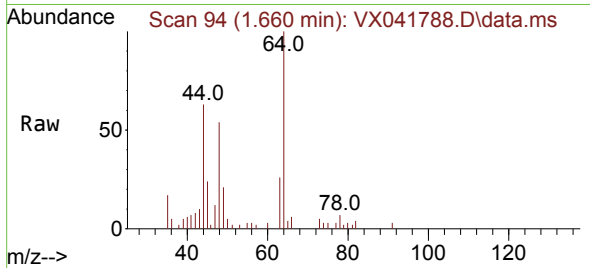




#6
Chloroethane
Concen: 0.744 ug/l
RT: 1.660 min Scan# 94
Delta R.T. -0.006 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

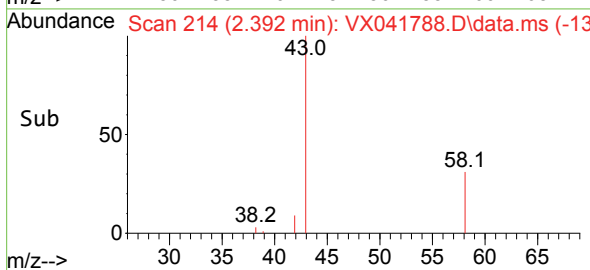
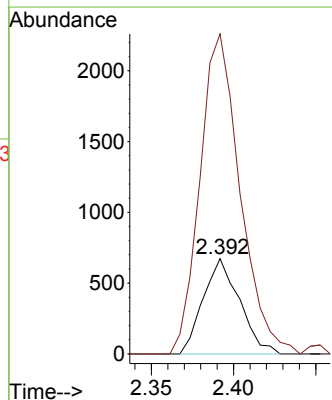
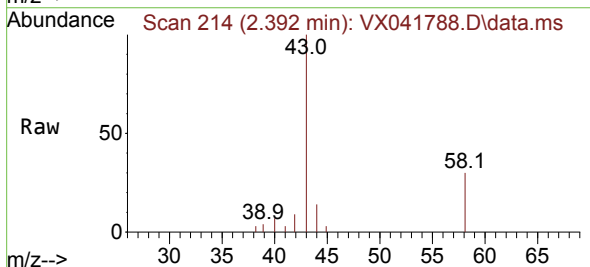
Instrument :
MSVOA_X
ClientSampleId :

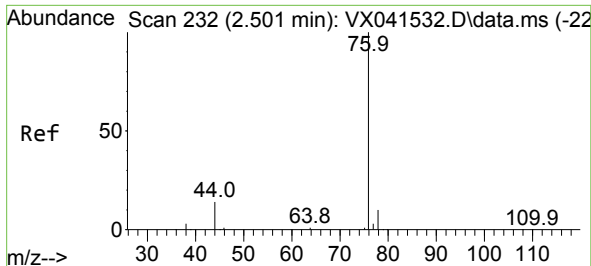
Tgt Ion: 64 Resp: 558
Ion Ratio Lower Upper
64 100
66 6.1 28.6 42.8#



#15
Acetone
Concen: 4.646 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

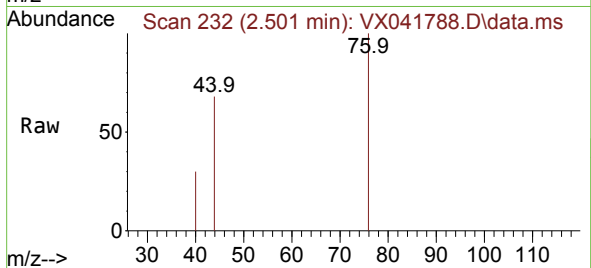
Tgt Ion: 58 Resp: 1037
Ion Ratio Lower Upper
58 100
43 323.6 274.0 411.0



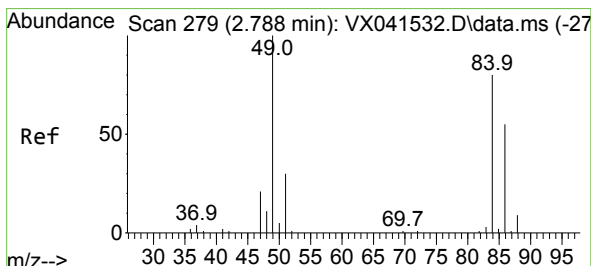
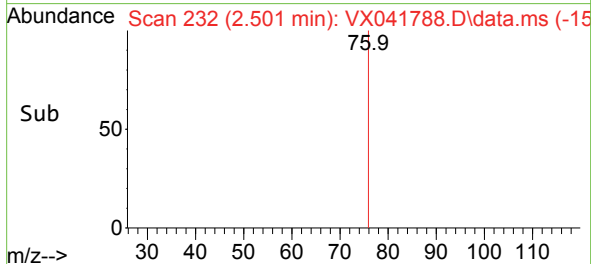
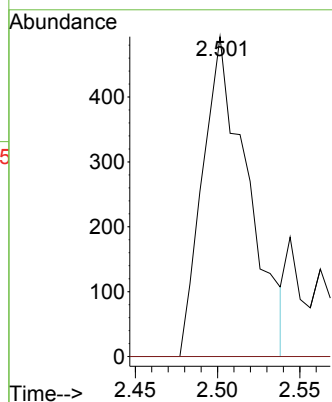


#16
Carbon Disulfide
Concen: 0.329 ug/l
RT: 2.501 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :

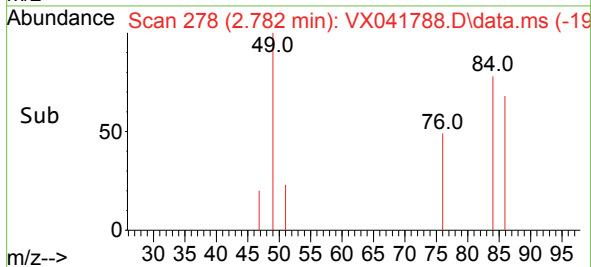
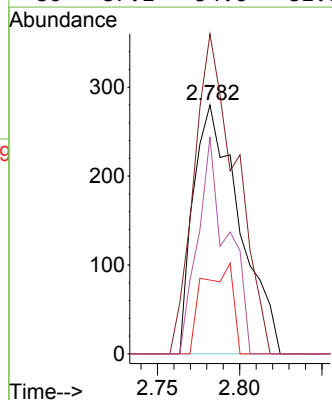
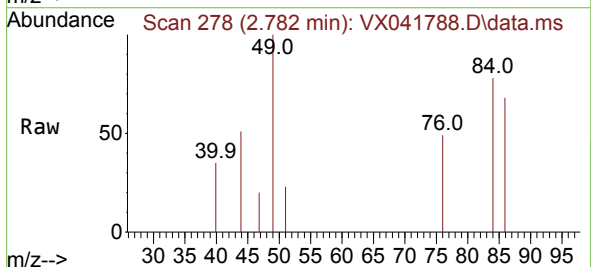


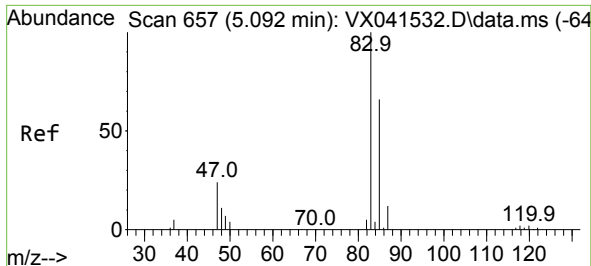
Tgt Ion: 76 Resp: 935
Ion Ratio Lower Upper
76 100
78 0.0 7.6 11.4#



#18
Methylene Chloride
Concen: 0.364 ug/l
RT: 2.782 min Scan# 278
Delta R.T. -0.006 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Tgt Ion: 84 Resp: 544
Ion Ratio Lower Upper
84 100
49 128.6 99.8 149.8
51 29.6 30.2 45.4#
86 87.1 54.6 81.8#





#25

Chloroform

Concen: 1.853 ug/l

RT: 5.099 min Scan# 6

Delta R.T. 0.006 min

Lab File: VX041788.D

Acq: 07 Jun 2024 14:14

Instrument :

MSVOA_X

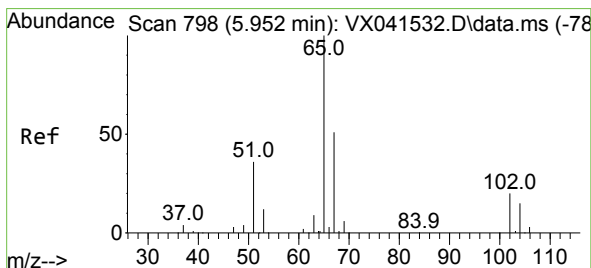
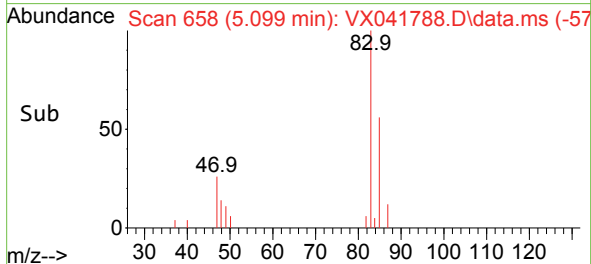
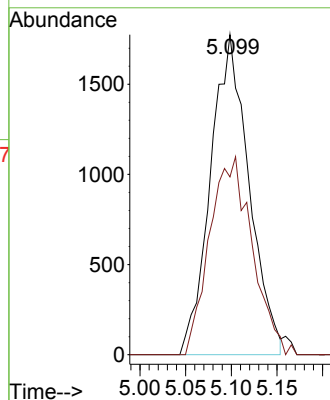
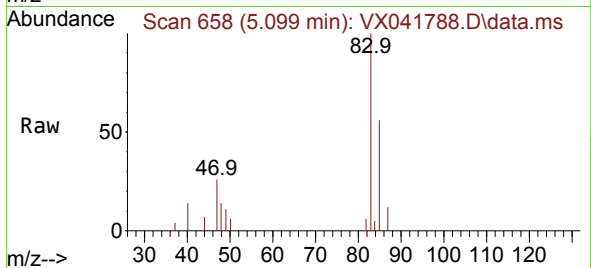
ClientSampleId :

Tgt Ion: 83 Resp: 5197

Ion Ratio Lower Upper

83 100

85 55.5 52.9 79.3



#27

1,2-Dichloroethane-d4

Concen: 30.647 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.006 min

Lab File: VX041788.D

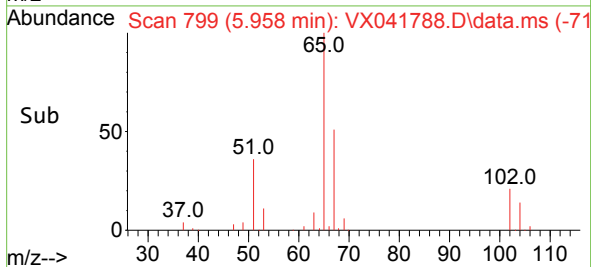
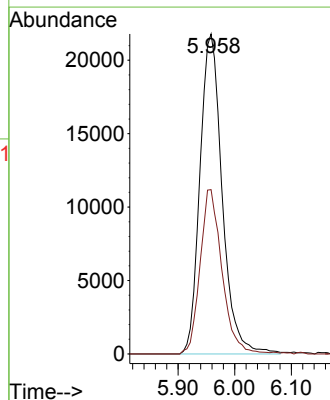
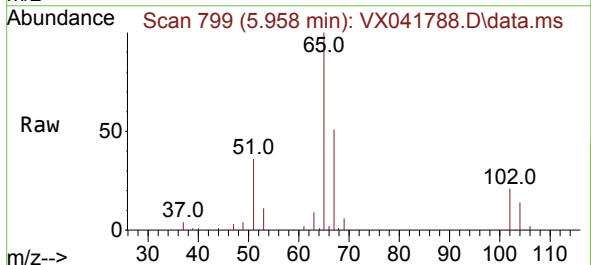
Acq: 07 Jun 2024 14:14

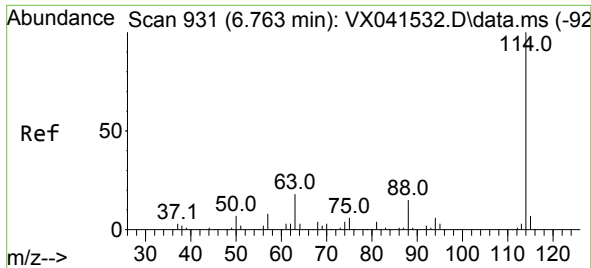
Tgt Ion: 65 Resp: 59343

Ion Ratio Lower Upper

65 100

67 50.5 40.8 61.2





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX041788.D

Acq: 07 Jun 2024 14:14

Instrument :

MSVOA_X

ClientSampleId :

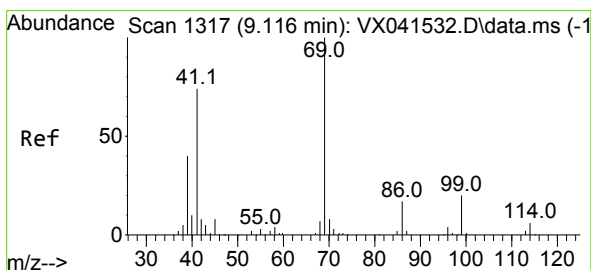
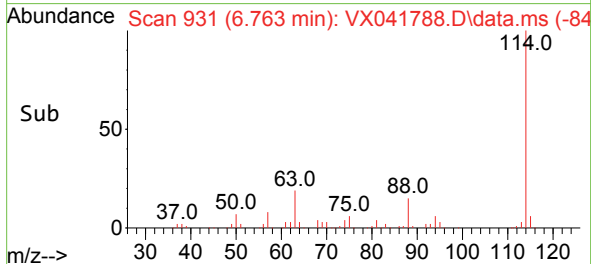
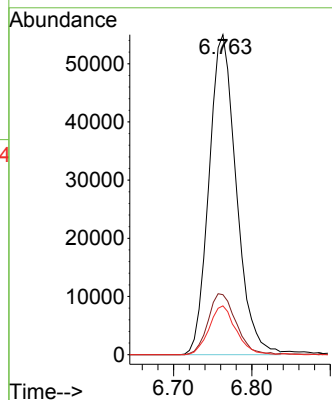
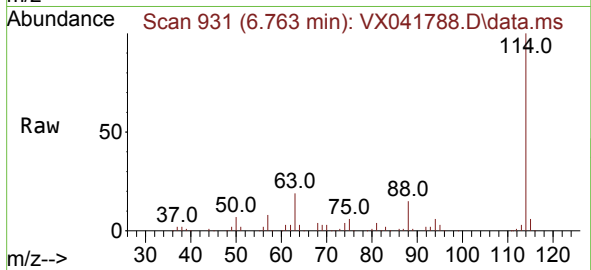
Tgt Ion:114 Resp: 133142

Ion Ratio Lower Upper

114 100

63 19.5 15.4 23.0

88 15.0 12.2 18.2



#51

Ethyl methacrylate

Concen: 0.212 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.469 min

Lab File: VX041788.D

Acq: 07 Jun 2024 14:14

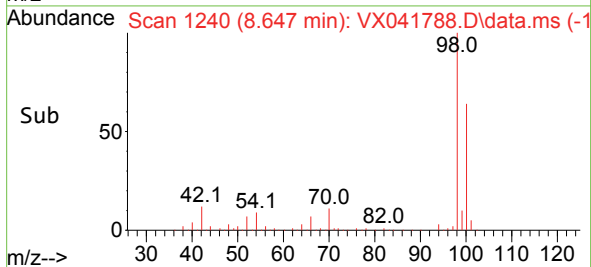
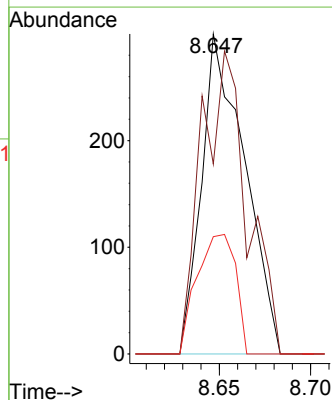
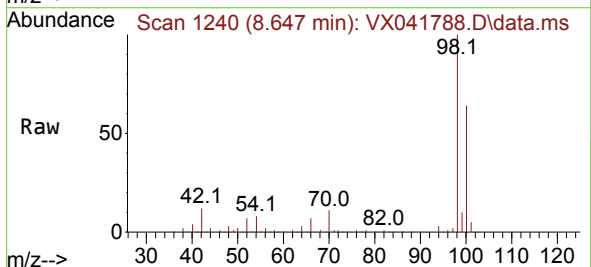
Tgt Ion: 69 Resp: 492

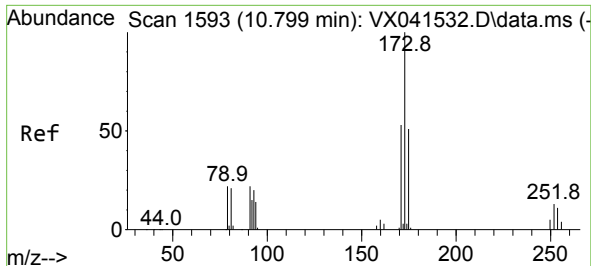
Ion Ratio Lower Upper

69 100

41 59.3 37.1 111.3

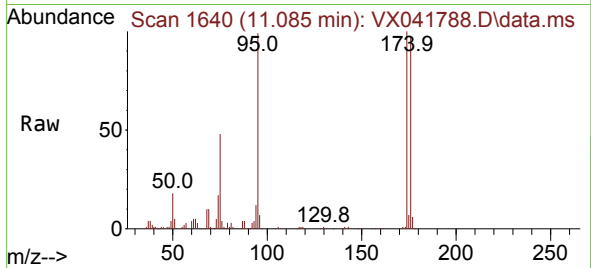
39 36.7 20.2 60.6



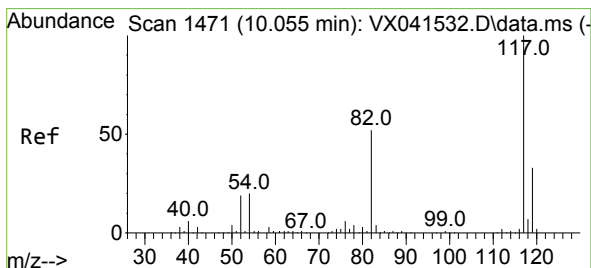
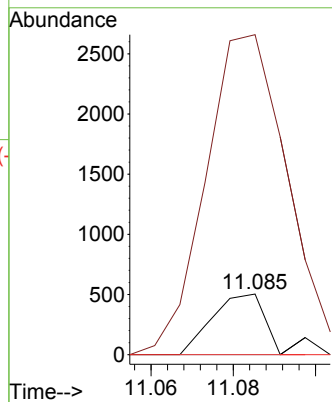
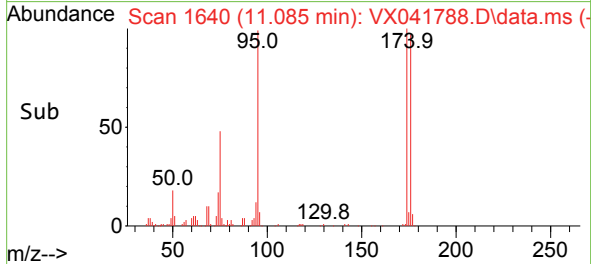


#56
Bromoform
Concen: 0.338 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.287 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :

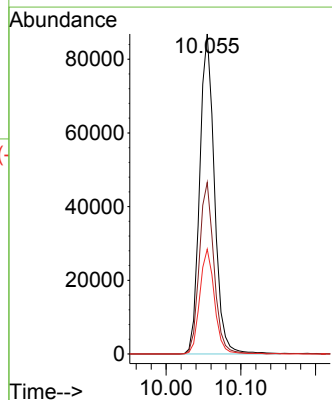
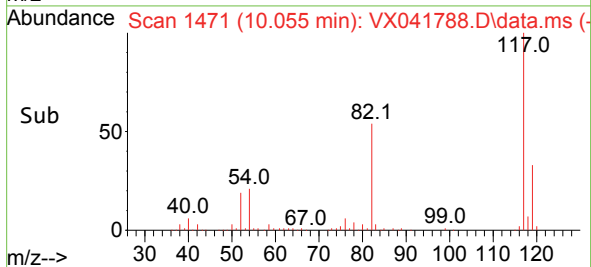
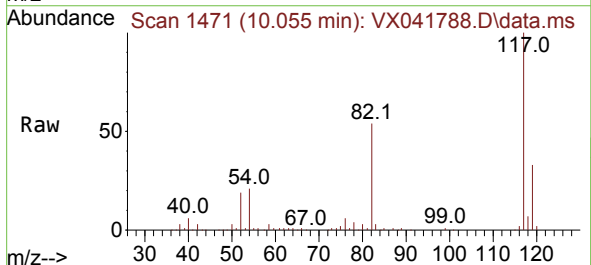


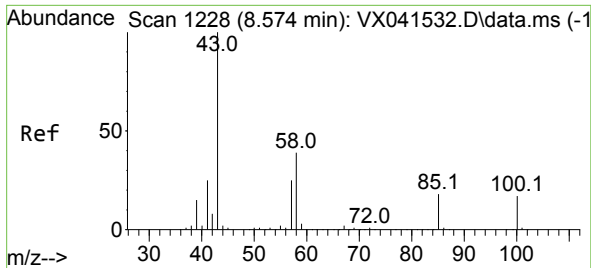
Tgt Ion:173 Resp: 443
Ion Ratio Lower Upper
173 100
175 830.7 39.0 58.6#
254 0.0 10.3 15.5#



#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

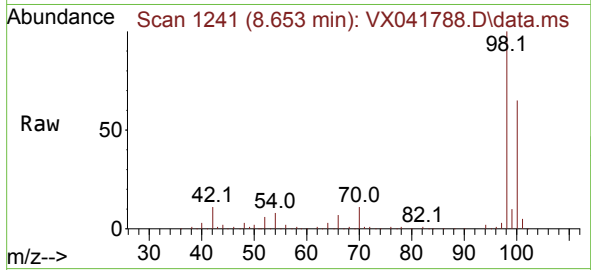
Tgt Ion:117 Resp: 119034
Ion Ratio Lower Upper
117 100
82 53.2 41.7 62.5
119 32.6 25.7 38.5



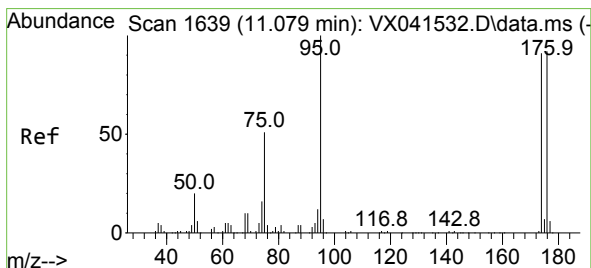
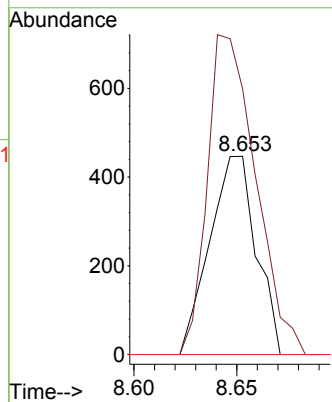
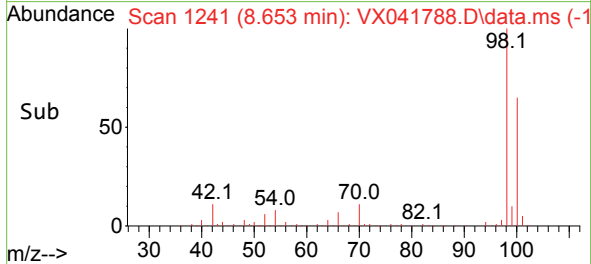


#58
4-Methyl-2-Pentanone
Concen: 0.324 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.079 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Instrument :
MSVOA_X
ClientSampleId :

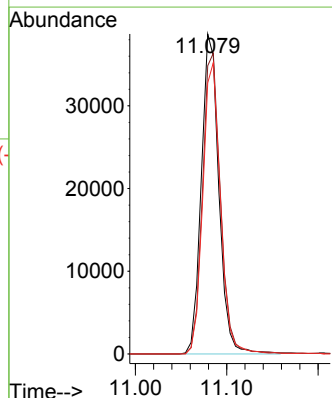
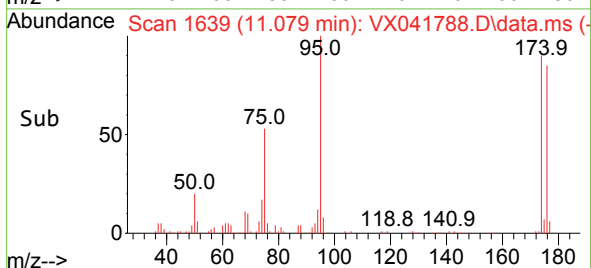
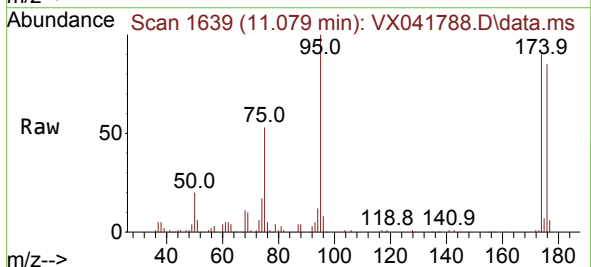


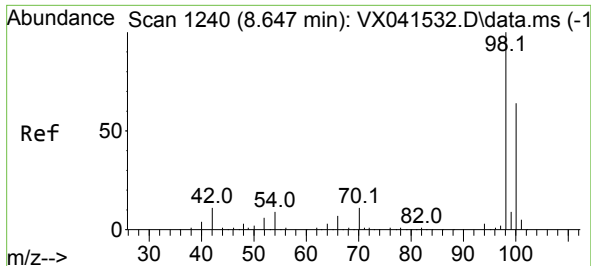
Tgt Ion: 43 Resp: 705
Ion Ratio Lower Upper
43 100
58 167.5 30.2 45.4#
85 0.0 14.6 21.8#



#60
4-Bromofluorobenzene
Concen: 27.817 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

Tgt Ion: 95 Resp: 51689
Ion Ratio Lower Upper
95 100
174 95.6 76.6 115.0
176 91.9 75.4 113.0

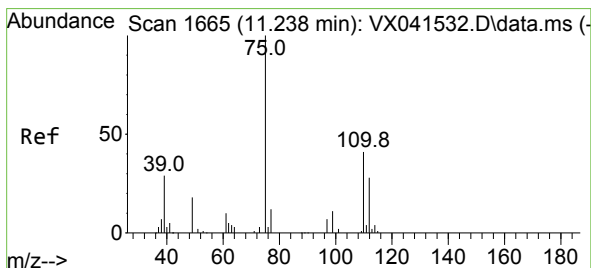
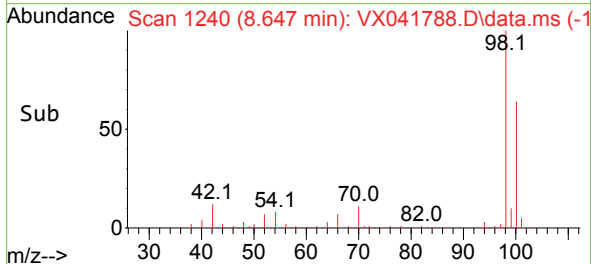
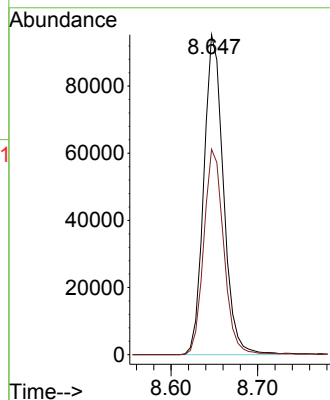
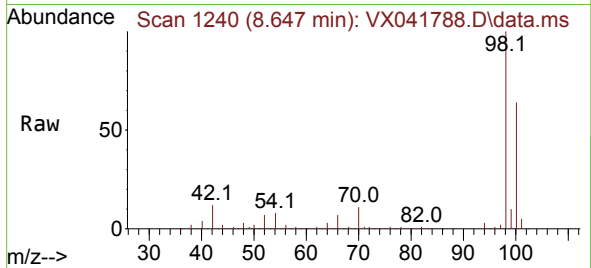




#63
Toluene-d8
Concen: 29.390 ug/l
RT: 8.647 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

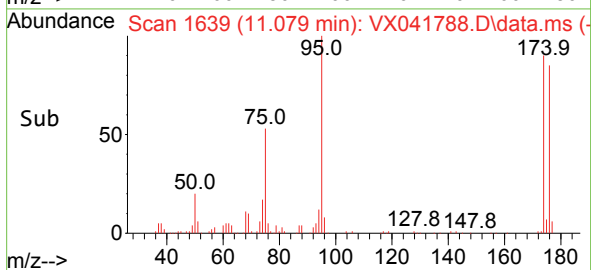
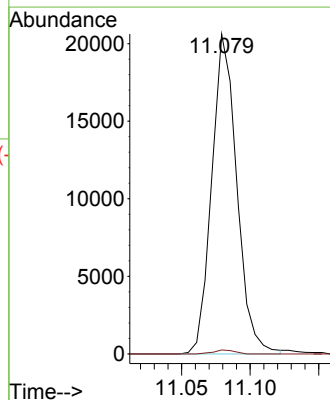
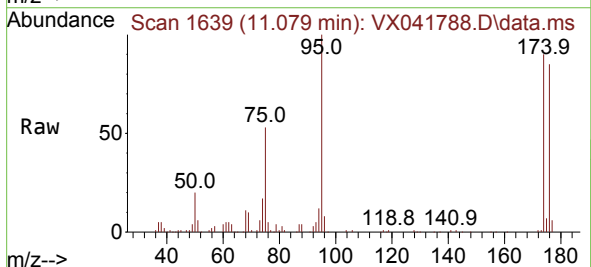
Instrument :
MSVOA_X
ClientSampleId :

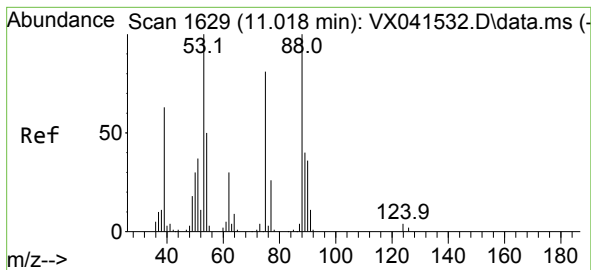
Tgt Ion: 98 Resp: 149963
Ion Ratio Lower Upper
98 100
100 65.3 53.1 79.7



#72
1,2,3-Trichloropropane
Concen: 12.942 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX041788.D
Acq: 07 Jun 2024 14:14

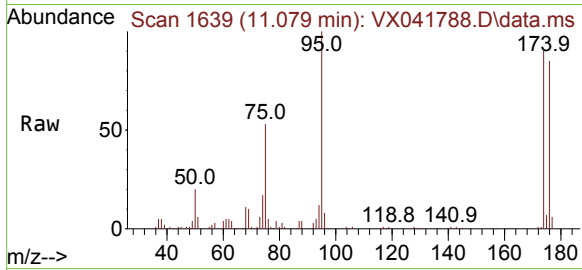
Tgt Ion: 75 Resp: 26228
Ion Ratio Lower Upper
75 100
77 1.1 0.0 78.8





#77
 t-1,4-Dichloro-2-butene
 Concen: 41.174 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX041788.D
 Acq: 07 Jun 2024 14:14

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 26228
 Ion Ratio Lower Upper
 75 100
 53 0.0 61.8 185.3#
 89 0.0 24.9 74.7#

