

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062424\
 Data File : VX042015.D
 Acq On : 24 Jun 2024 19:24
 Operator : JC/MD
 Sample : P3027-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 25 06:47:03 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Sat Jun 15 04:02:59 2024
 Response via : Initial Calibration

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

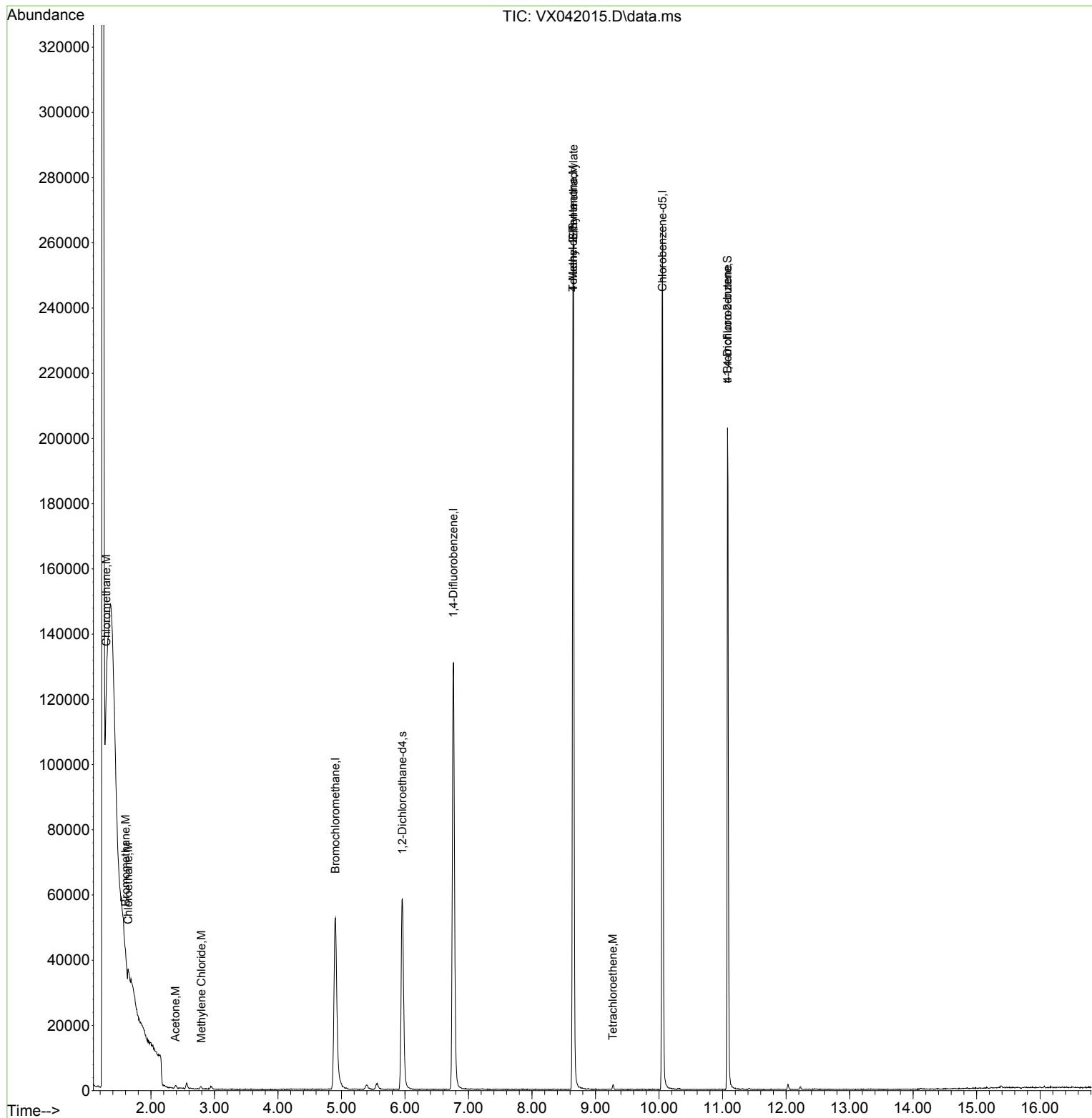
Internal Standards						
1) Bromochloromethane	4.904	128	27874	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	6.763	114	147318	30.000	ug/l	0.00
57) Chlorobenzene-d5	10.055	117	132793	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	5.958	65	57670	30.055	ug/l	0.00
Spiked Amount	30.000	Range	91 - 110	Recovery	=	100.167%
60) 4-Bromofluorobenzene	11.079	95	55311	26.908	ug/l	0.00
Spiked Amount	30.000	Range	63 - 112	Recovery	=	89.700%
63) Toluene-d8	8.647	98	170902	30.081	ug/l	0.00
Spiked Amount	30.000	Range	91 - 112	Recovery	=	100.267%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	675	0.335	ug/l #	58
5) Bromomethane	1.599	94	505	0.479	ug/l #	77
6) Chloroethane	1.642	64	11520	13.670	ug/l #	45
15) Acetone	2.386	58	352	1.194	ug/l	90
18) Methylene Chloride	2.794	84	406	0.208	ug/l #	66
51) Ethyl methacrylate	8.653	69	629	0.241	ug/l	89
58) 4-Methyl-2-Pentanone	8.647	43	597	0.251	ug/l #	1
61) Tetrachloroethene	9.275	164	337	0.202	ug/l #	68
77) t-1,4-Dichloro-2-butene	11.079	75	24737	32.203	ug/l #	7

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

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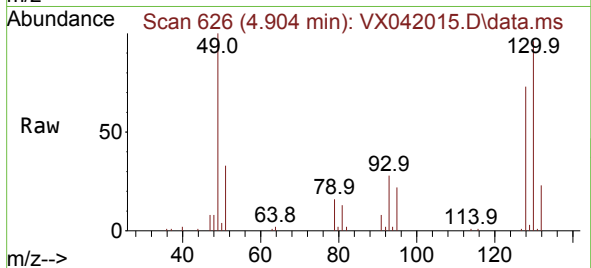
Quant Time: Jun 25 06:47:03 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\624X061424W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Sat Jun 15 04:02:59 2024
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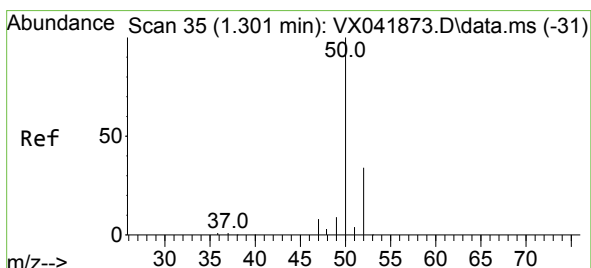
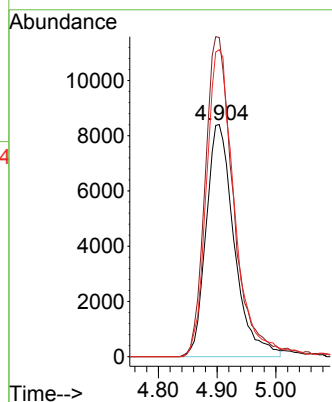
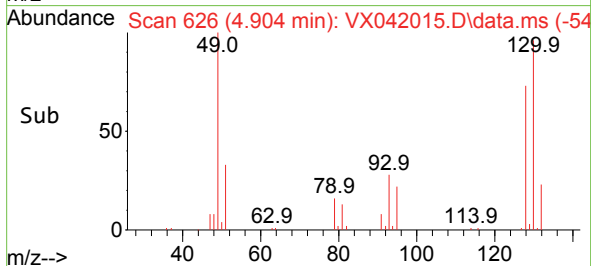


#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 4.904 min Scan# 61
Delta R.T. 0.007 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

Instrument :
MSVOA_X
ClientSampleId :

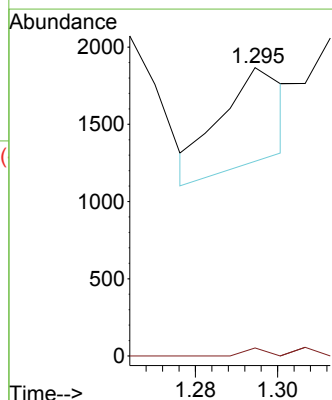
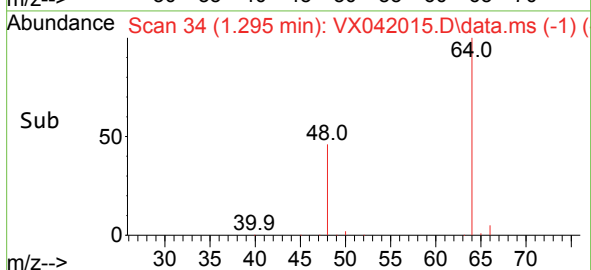
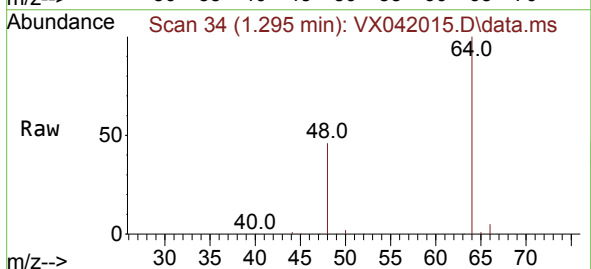


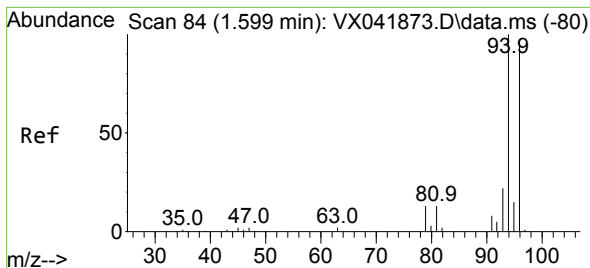
Tgt Ion:128 Resp: 27874
Ion Ratio Lower Upper
128 100
49 137.8 0.0 338.5
130 133.5 0.0 324.5



#3
Chloromethane
Concen: 0.335 ug/l
RT: 1.295 min Scan# 34
Delta R.T. -0.006 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

Tgt Ion: 50 Resp: 675
Ion Ratio Lower Upper
50 100
52 9.4 26.9 40.3#





#5

Bromomethane

Concen: 0.479 ug/l

RT: 1.599 min Scan# 84

Delta R.T. 0.000 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

Instrument :

MSVOA_X

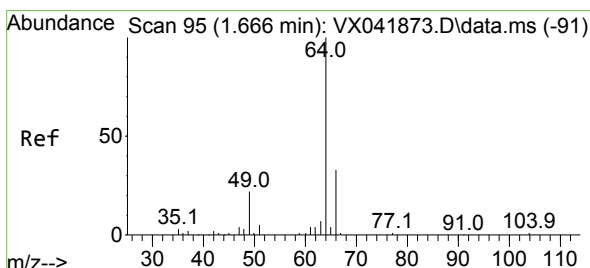
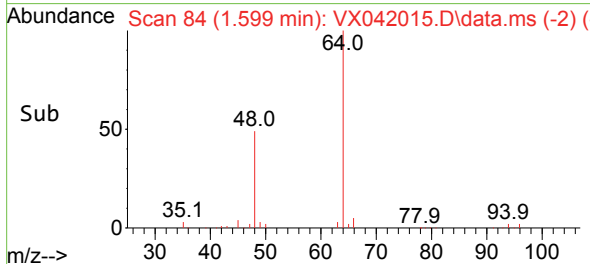
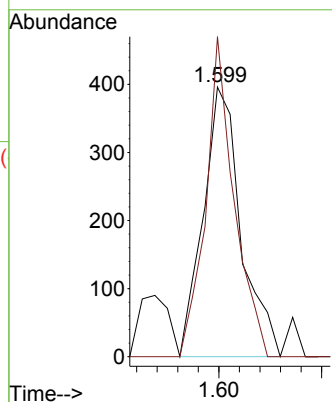
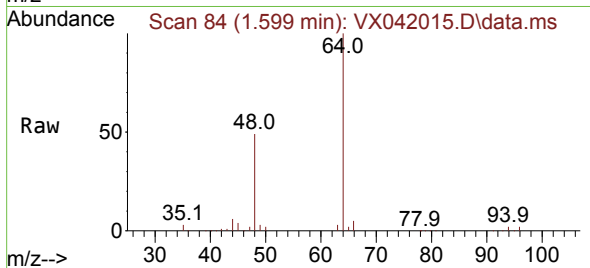
ClientSampleId :

Tgt Ion: 94 Resp: 505

Ion Ratio Lower Upper

94 100

96 118.7 76.6 115.0#



#6

Chloroethane

Concen: 13.670 ug/l

RT: 1.642 min Scan# 91

Delta R.T. -0.024 min

Lab File: VX042015.D

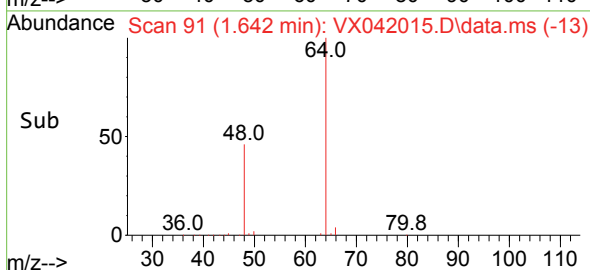
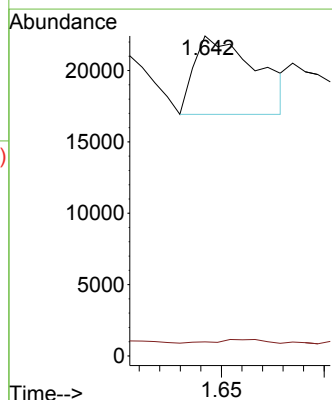
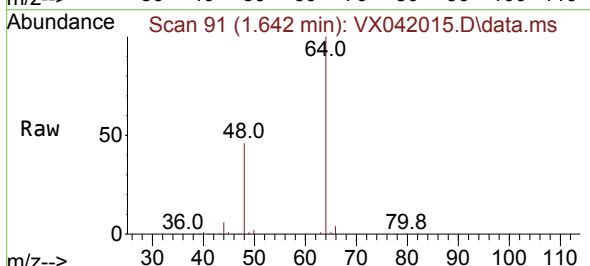
Acq: 24 Jun 2024 19:24

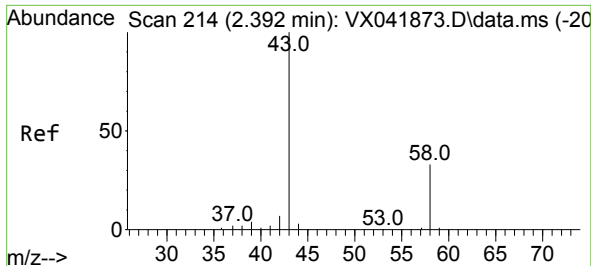
Tgt Ion: 64 Resp: 11520

Ion Ratio Lower Upper

64 100

66 1.9 26.4 39.6#





#15

Acetone

Concen: 1.194 ug/l

RT: 2.386 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

Instrument :

MSVOA_X

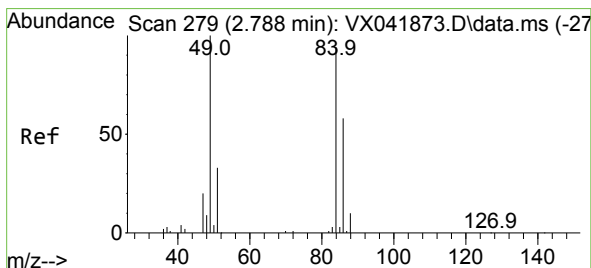
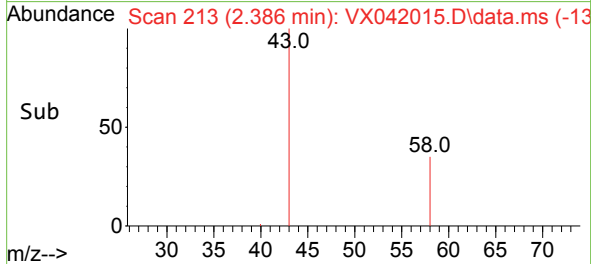
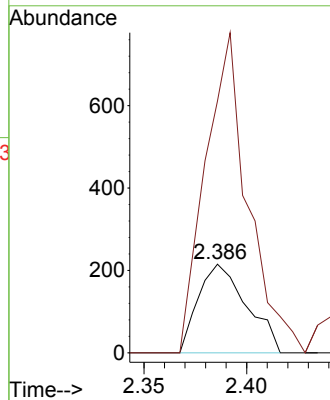
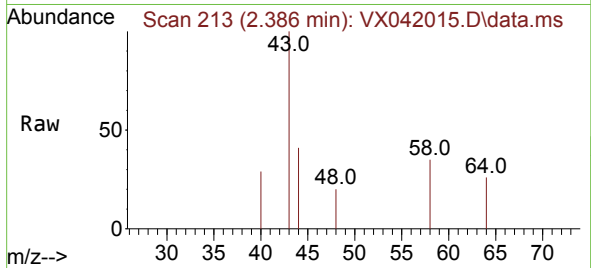
ClientSampleId :

Tgt Ion: 58 Resp: 352

Ion Ratio Lower Upper

58 100

43 284.2 243.4 365.2



#18

Methylene Chloride

Concen: 0.208 ug/l

RT: 2.794 min Scan# 280

Delta R.T. 0.006 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

Tgt Ion: 84 Resp: 406

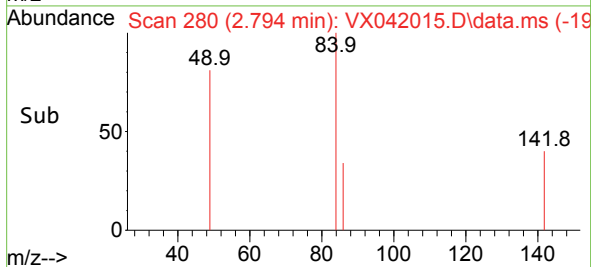
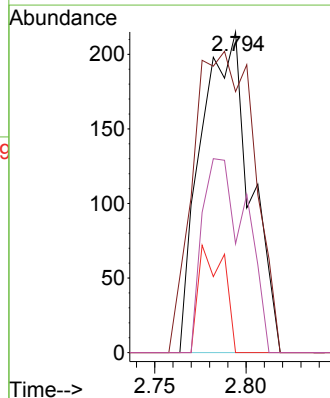
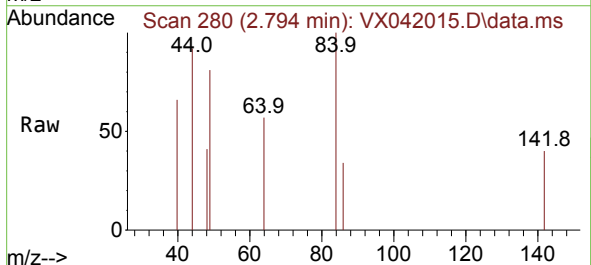
Ion Ratio Lower Upper

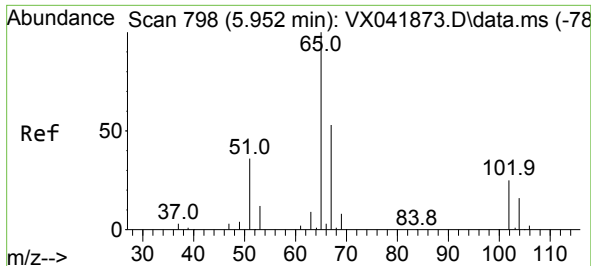
84 100

49 81.4 85.3 127.9#

51 0.0 28.5 42.7#

86 34.0 49.6 74.4#

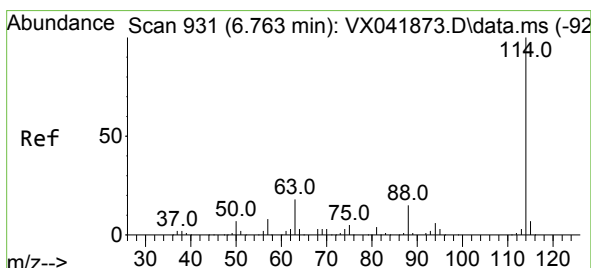
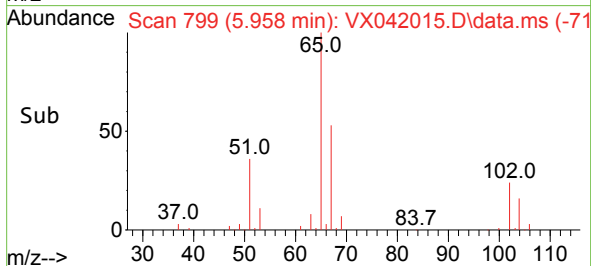
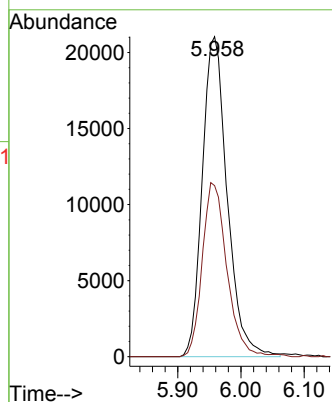
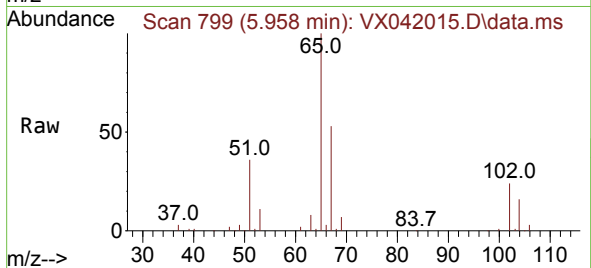




#27
1,2-Dichloroethane-d4
Concen: 30.055 ug/l
RT: 5.958 min Scan# 798
Delta R.T. 0.006 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

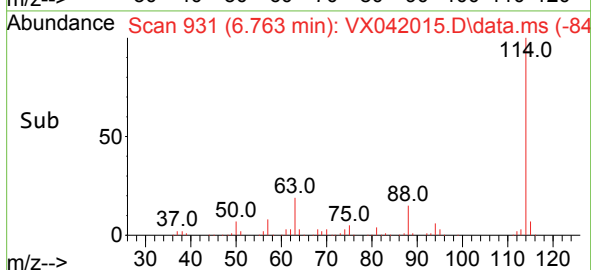
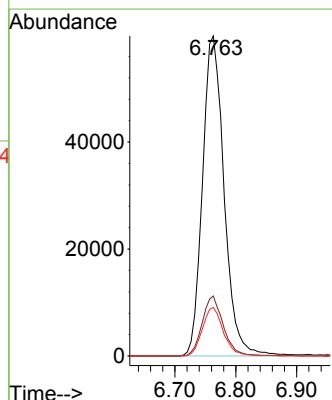
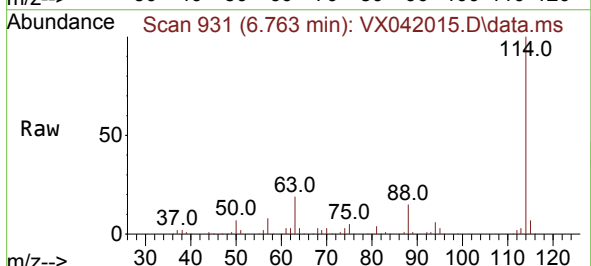
Instrument :
MSVOA_X
ClientSampleId :

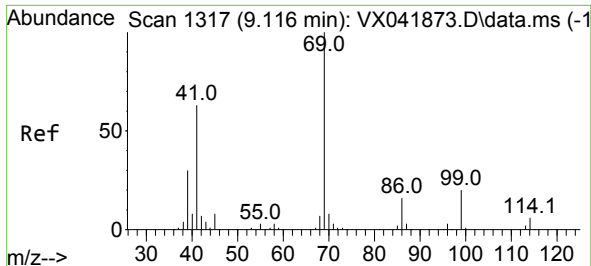
Tgt Ion: 65 Resp: 57670
Ion Ratio Lower Upper
65 100
67 53.5 43.4 65.0



#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. 0.000 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

Tgt Ion: 114 Resp: 147318
Ion Ratio Lower Upper
114 100
63 18.2 14.6 21.8
88 14.7 11.8 17.8





#51

Ethyl methacrylate

Concen: 0.241 ug/l

RT: 8.653 min Scan# 11

Delta R.T. -0.463 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

Instrument :

MSVOA_X

ClientSampleId :

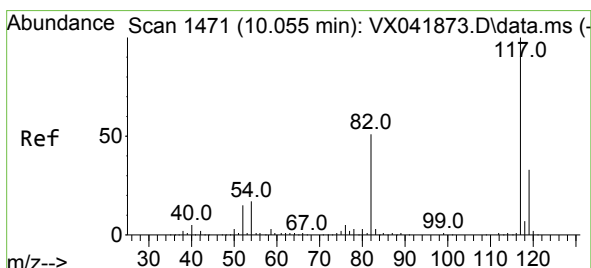
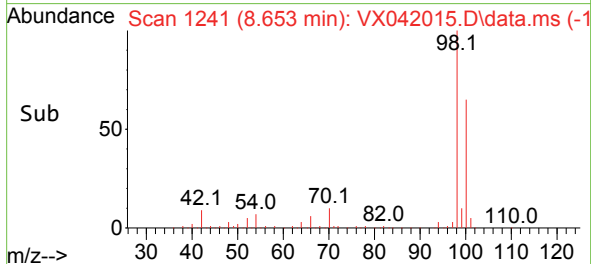
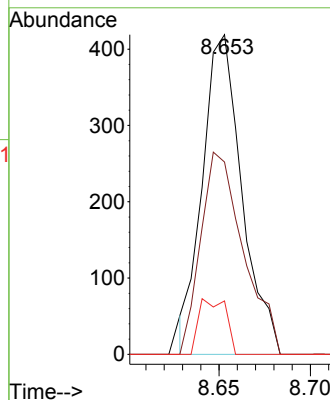
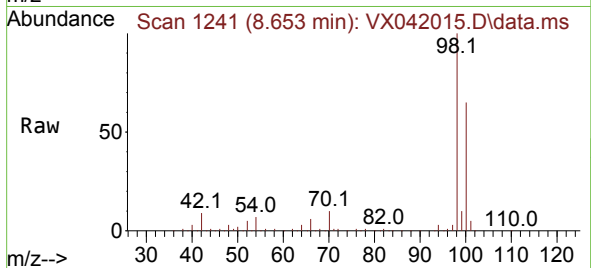
Tgt Ion: 69 Resp: 629

Ion Ratio Lower Upper

69 100

41 60.1 31.6 94.7

39 16.7 15.3 45.8



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

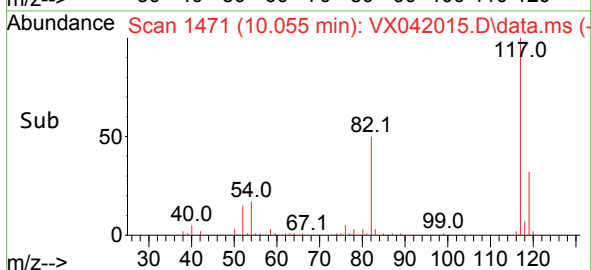
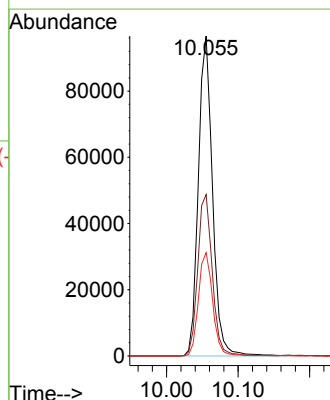
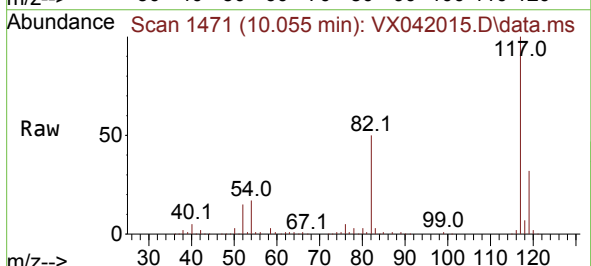
Tgt Ion: 117 Resp: 132793

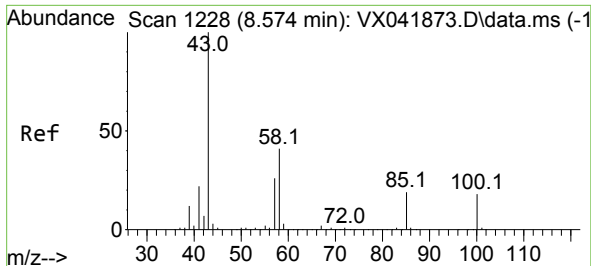
Ion Ratio Lower Upper

117 100

82 51.9 41.1 61.7

119 32.6 26.1 39.1





#58

4-Methyl-2-Pentanone

Concen: 0.251 ug/l

RT: 8.647 min Scan# 1

Delta R.T. 0.073 min

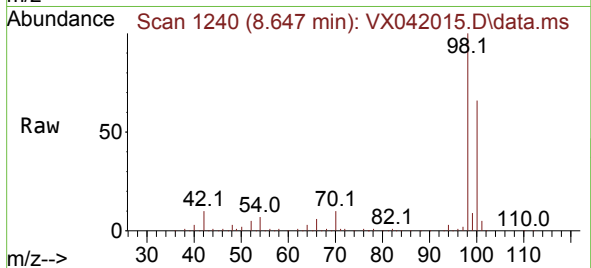
Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

Instrument :

MSVOA_X

ClientSampleId :



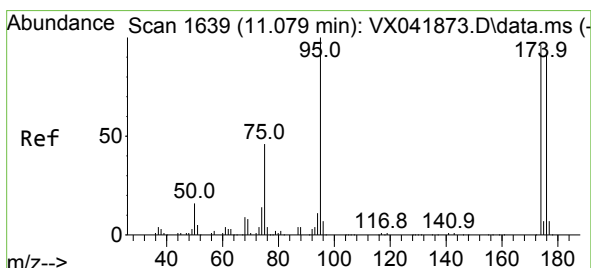
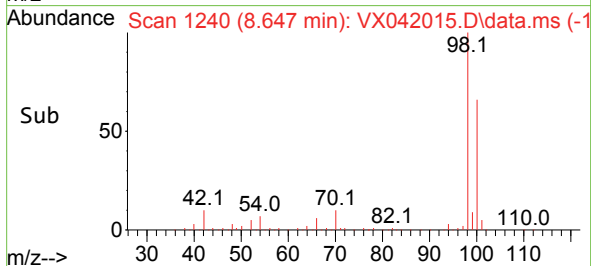
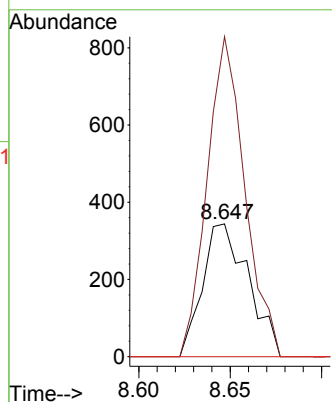
Tgt Ion: 43 Resp: 597

Ion Ratio Lower Upper

43 100

58 199.5 33.2 49.8#

85 0.0 15.5 23.3#



#60

4-Bromofluorobenzene

Concen: 26.908 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX042015.D

Acq: 24 Jun 2024 19:24

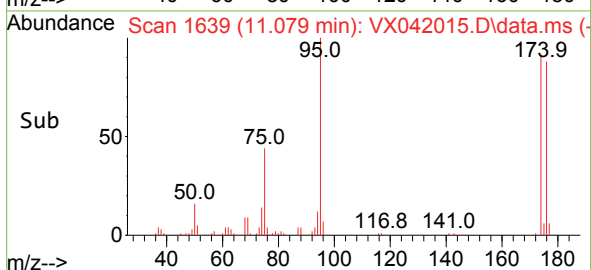
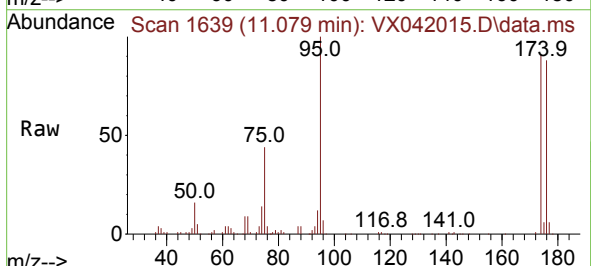
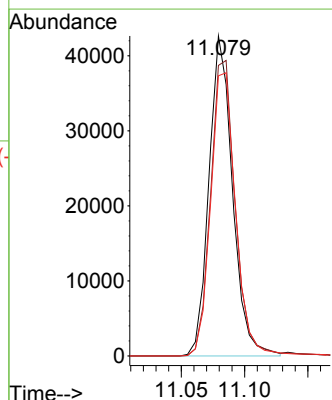
Tgt Ion: 95 Resp: 55311

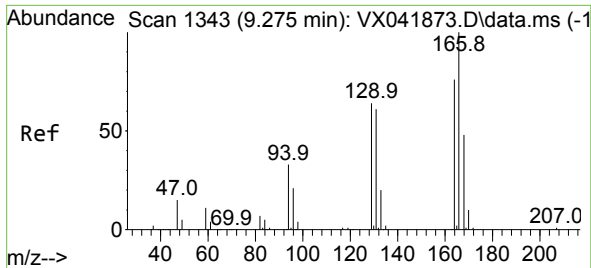
Ion Ratio Lower Upper

95 100

174 96.2 78.9 118.3

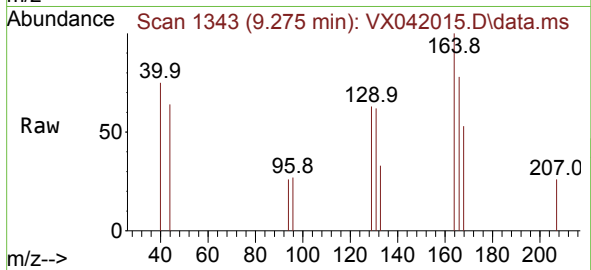
176 93.7 77.1 115.7



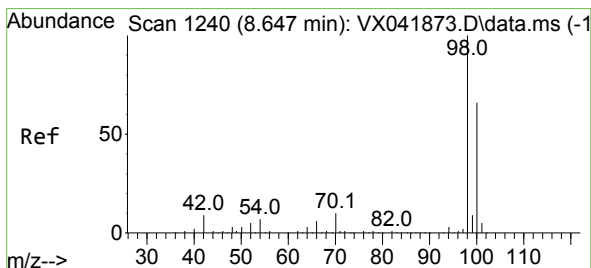
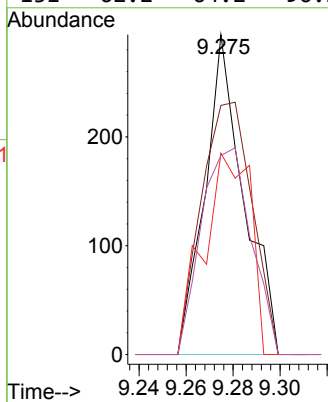
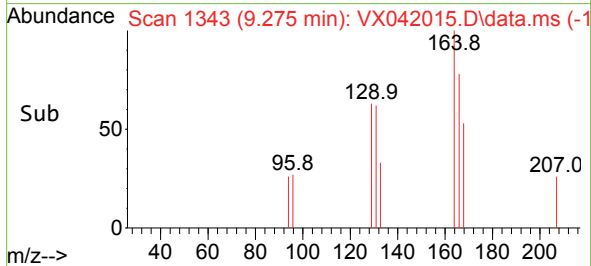


#61
Tetrachloroethene
Concen: 0.202 ug/l
RT: 9.275 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

Instrument :
MSVOA_X
ClientSampleId :

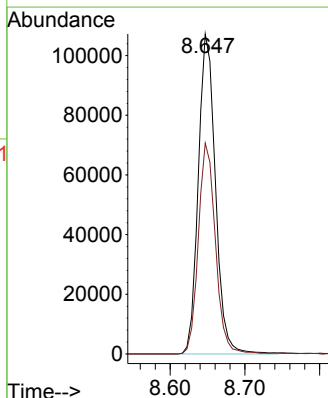
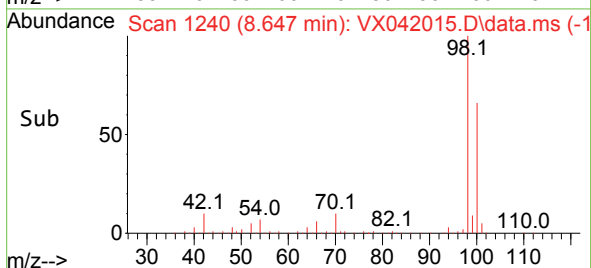
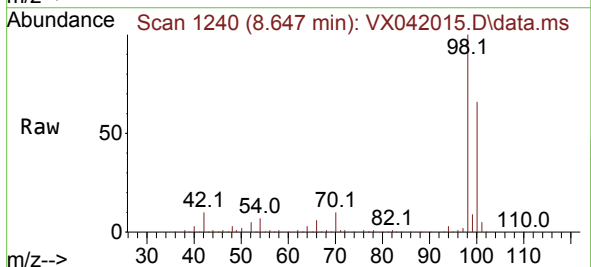


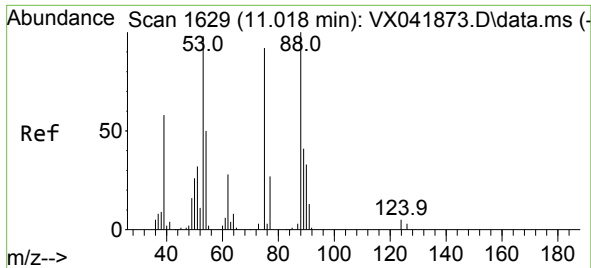
Tgt Ion:164 Resp: 337
Ion Ratio Lower Upper
164 100
166 77.9 105.0 157.6#
129 62.9 67.1 100.7#
131 62.2 64.2 96.2#



#63
Toluene-d8
Concen: 30.081 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. 0.000 min
Lab File: VX042015.D
Acq: 24 Jun 2024 19:24

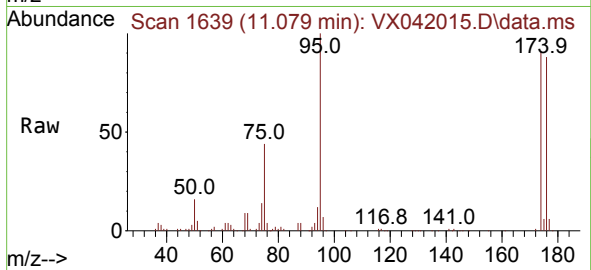
Tgt Ion: 98 Resp: 170902
Ion Ratio Lower Upper
98 100
100 65.8 52.7 79.1





#77
 t-1,4-Dichloro-2-butene
 Concen: 32.203 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX042015.D
 Acq: 24 Jun 2024 19:24

Instrument :
 MSVOA_X
 ClientSampleId :



Tgt Ion: 75 Resp: 24737
 Ion Ratio Lower Upper
 75 100
 53 0.0 53.4 160.2#
 89 0.0 22.5 67.5#

