

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX040820\
 Data File : VX015574.D
 Acq On : 08 Apr 2020 17:10
 Operator : JC/SP
 Sample : L2190-18
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 M-14-200406

Quant Time: Apr 09 06:23:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

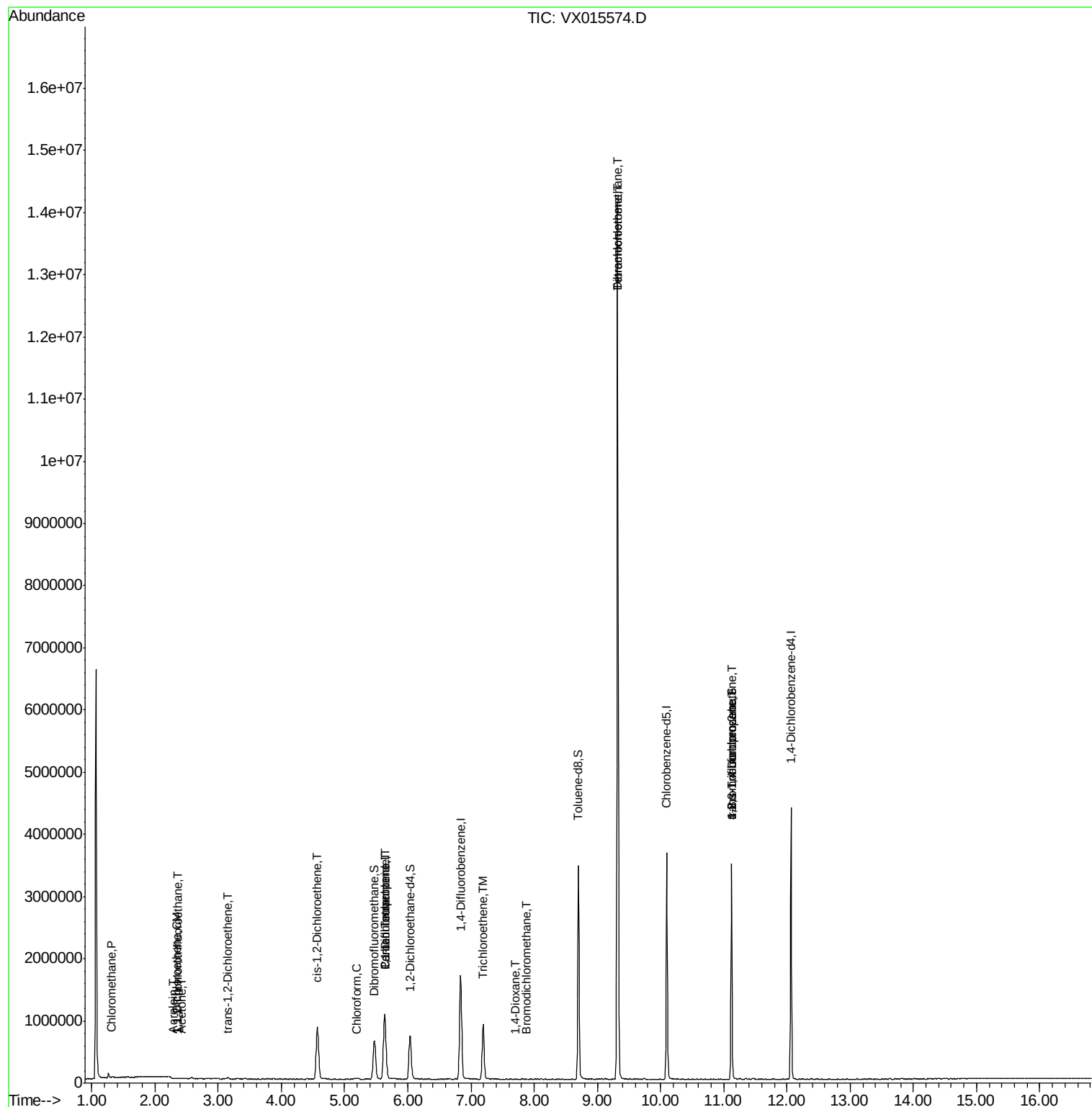
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1075496	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1656729	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1594174	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	867566	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	694629	45.79	ug/l	0.00
Spiked Amount 50.000			Recovery	=	91.58%	
35) Dibromofluoromethane	5.47	113	514851	48.62	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.24%	
50) Toluene-d8	8.70	98	2017630	51.75	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.50%	
62) 4-Bromofluorobenzene	11.12	95	873058	55.10	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.20%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	8697	0.721	ug/l	89
5) Bromomethane	1.64	94	507	Below Cal	#	3
9) 1,1,2-Trichlorotrifluoroet	2.37	101	2096	0.216	ug/l #	89
12) 1,1-Dichloroethene	2.36	96	2643	0.260	ug/l #	82
13) Acrolein	2.28	56	691	0.334	ug/l #	14
16) Acetone	2.42	43	12538	1.924	ug/l	93
21) trans-1,2-Dichloroethene	3.15	96	9908	0.879	ug/l	84
27) cis-1,2-Dichloroethene	4.57	96	524676	40.244	ug/l	91
30) Chloroform	5.19	83	11664	0.548	ug/l	96
36) 1,1-Dichloropropene	5.63	75	77938	5.106	ug/l #	52
38) Carbon Tetrachloride	5.64	117	99703	6.030	ug/l #	15
44) Trichloroethene	7.19	130	339512	27.840	ug/l	100
47) Bromodichloromethane	7.89	83	4688	0.274	ug/l #	77
49) 1,4-Dioxane	7.71	88	211	0.675	ug/l #	1
60) Dibromochloromethane	9.32	129	2550211	187.900	ug/l #	11
64) Tetrachloroethene	9.32	164	2910604	241.929	ug/l	96
76) 1,2,3-Trichloropropane	11.12	75	445957	24.996	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	445957	59.978	ug/l #	10

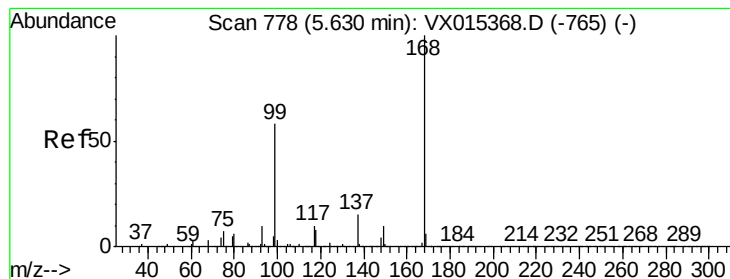
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040820\
Data File : VX015574.D
Acq On : 08 Apr 2020 17:10
Operator : JC/SP
Sample : L2190-18
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
M-14-200406

Quant Time: Apr 09 06:23:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

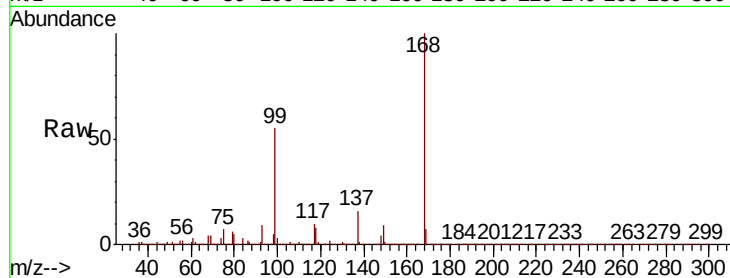
M-14-200406

Tot Ion:168 Resp: 1075496

Ion Ratio Lower Upper

168 100

99 54.7 46.4 69.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

400000

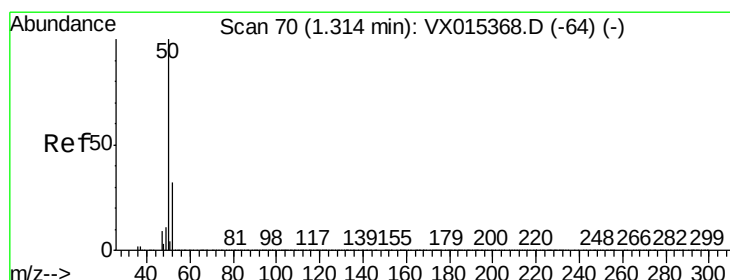
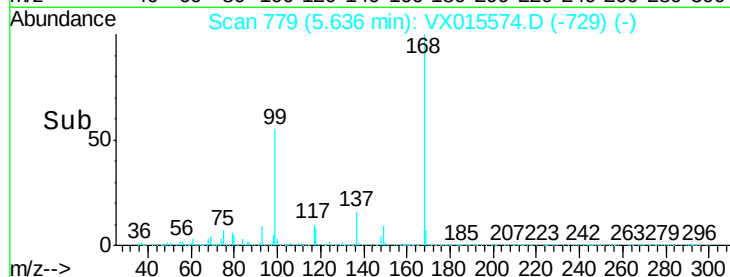
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.721 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015574.D

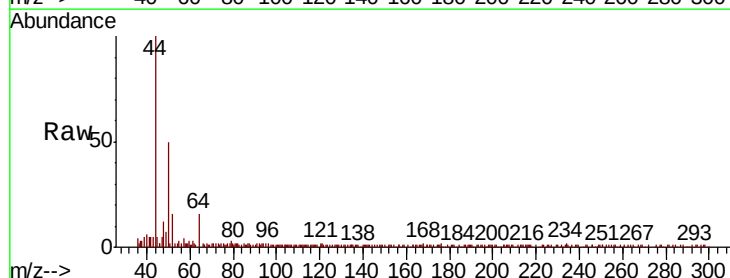
Acq: 08 Apr 2020 17:10

Tgt Ion: 50 Resp: 8697

Ion Ratio Lower Upper

50 100

52 25.8 25.3 37.9



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.31

10000

8000

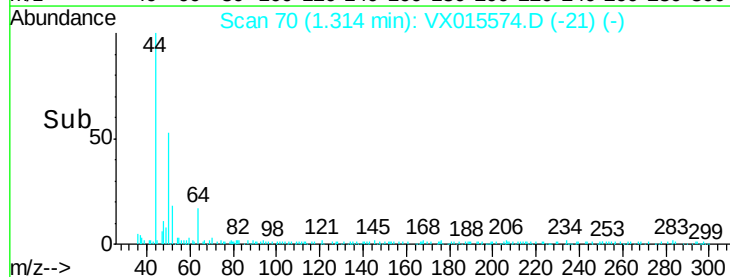
6000

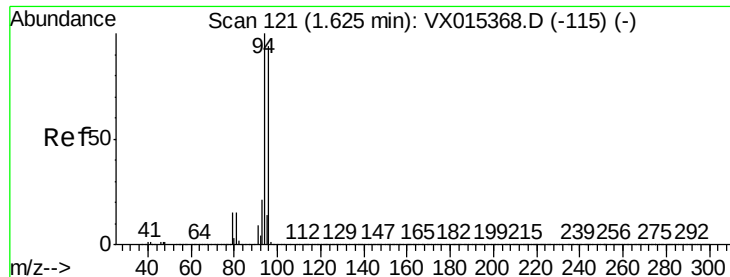
4000

2000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 123

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

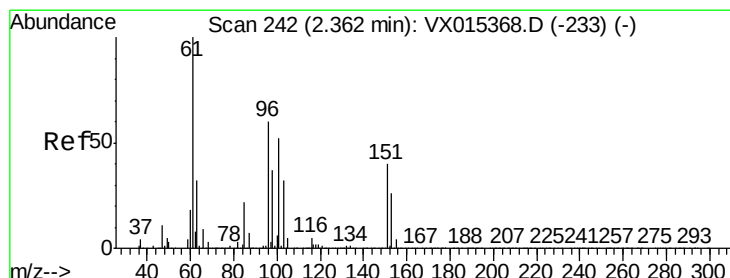
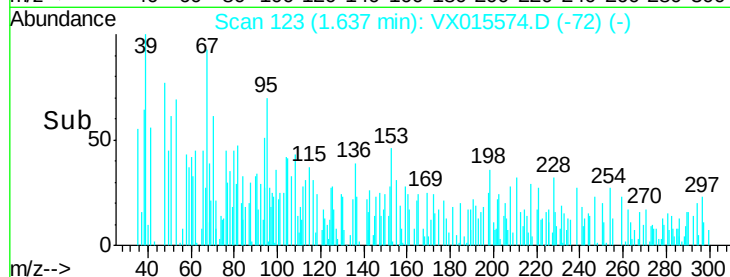
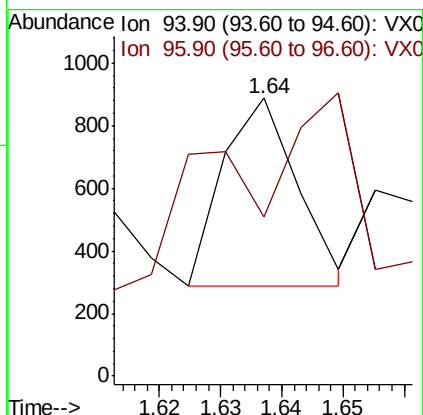
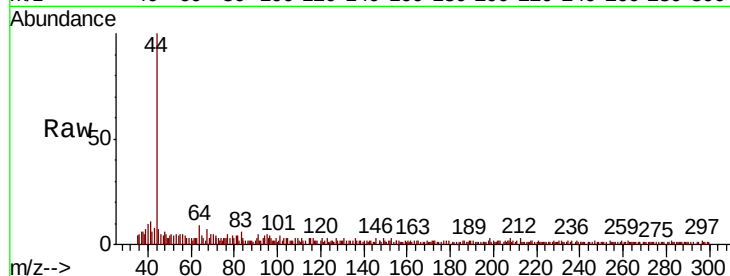
M-14-200406

Tot Ion: 94 Resp: 507

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.216 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

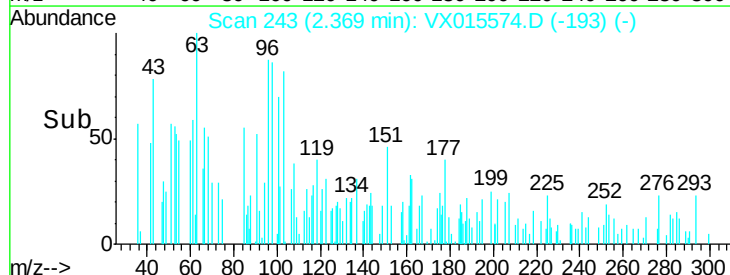
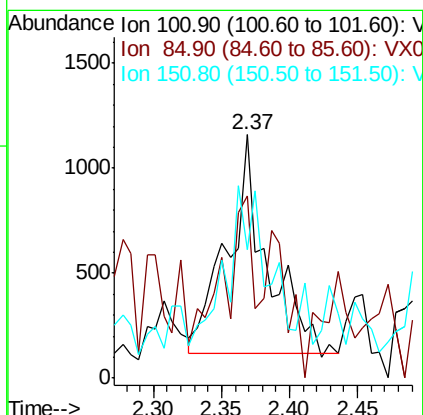
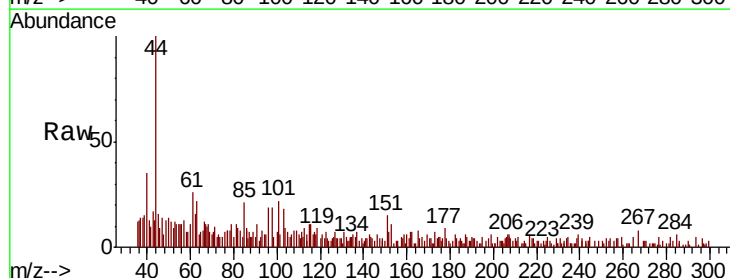
Tgt Ion: 101 Resp: 2096

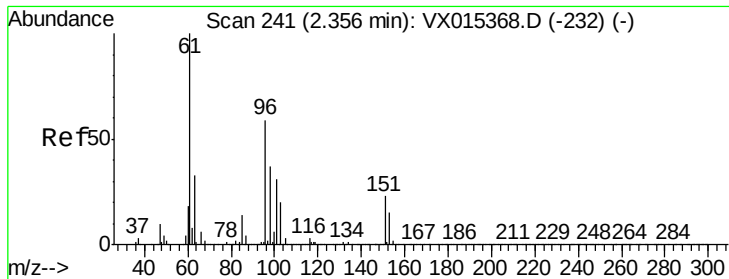
Ion Ratio Lower Upper

101 100

85 32.2 35.0 52.4#

151 74.1 64.1 96.1





#12

1,1-Dichloroethene

Concen: 0.260 ug/l

RT: 2.36 min Scan# 241

Delta R.T. -0.00 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

M-14-200406

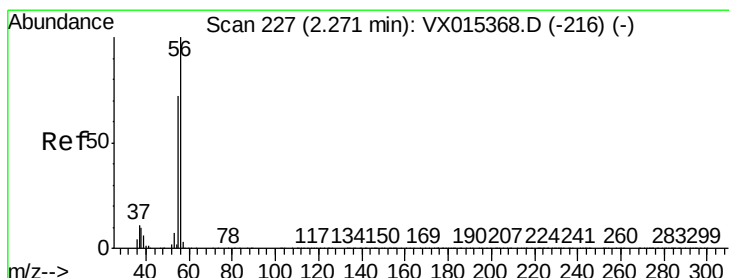
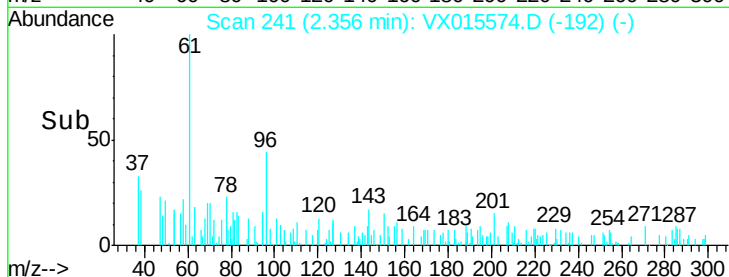
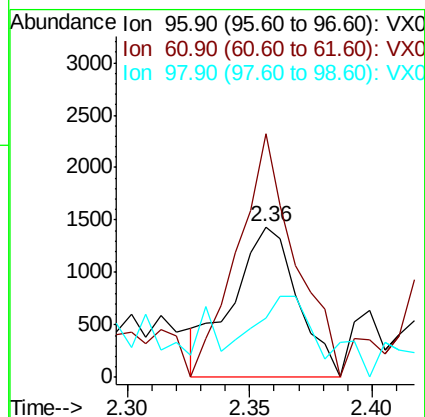
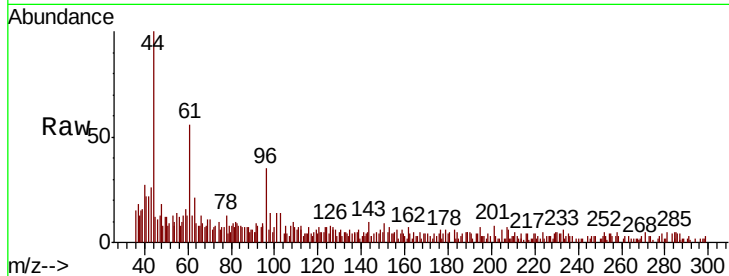
Tot Ion: 96 Resp: 2643

Ion Ratio Lower Upper

96 100

61 161.7 135.7 203.5

98 24.2 50.6 75.8#



#13

Acrolein

Concen: 0.334 ug/l

RT: 2.28 min Scan# 229

Delta R.T. 0.01 min

Lab File: VX015574.D

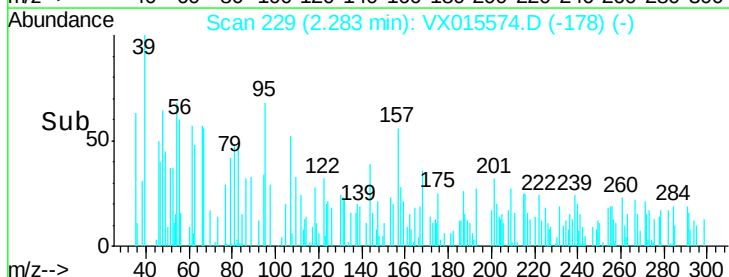
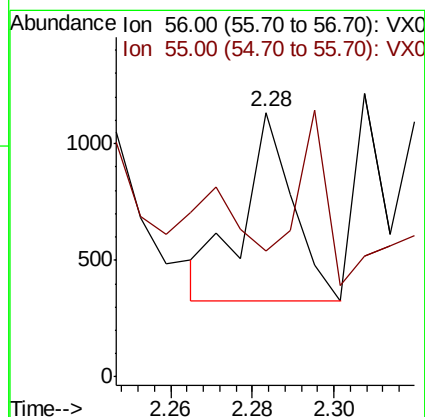
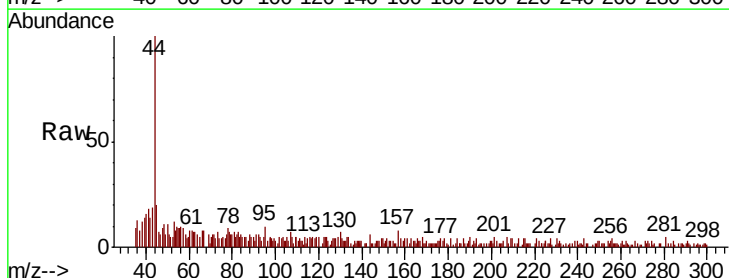
Acq: 08 Apr 2020 17:10

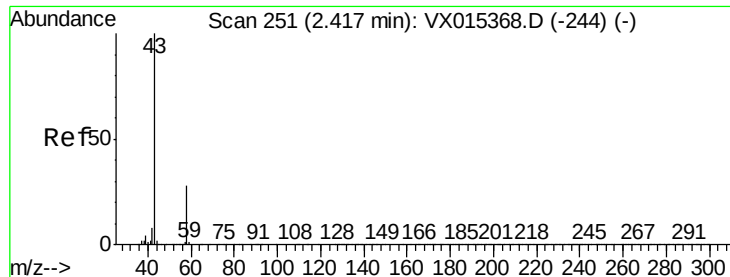
Tgt Ion: 56 Resp: 691

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#





#16

Acetone

Concen: 1.924 ug/l

RT: 2.42 min Scan# 252

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

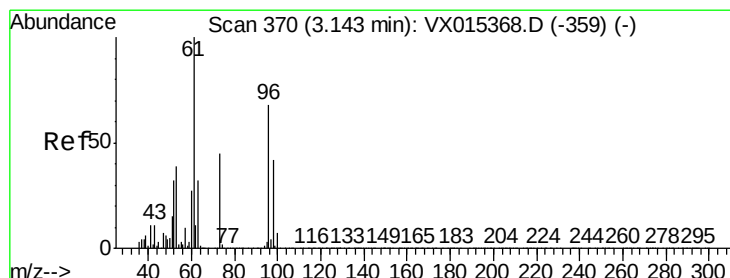
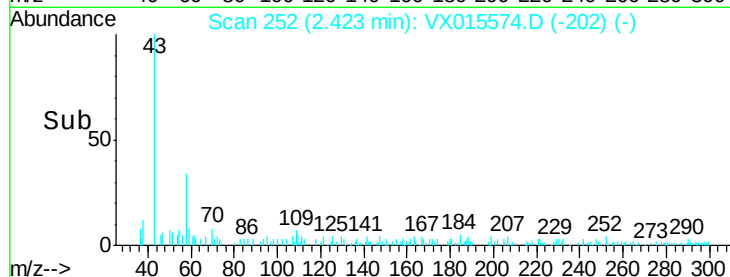
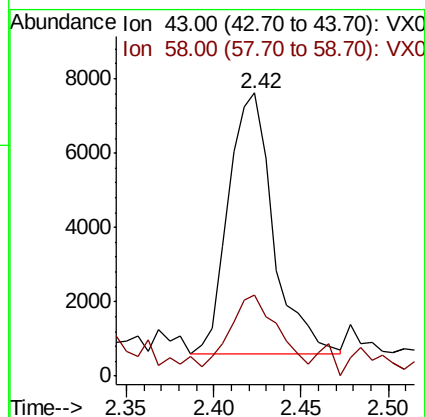
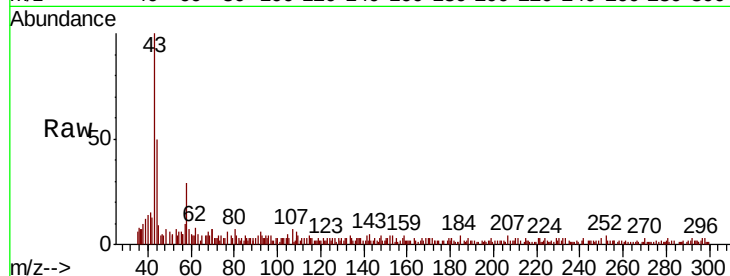
M-14-200406

Tot Ion: 43 Resp: 12538

Ion Ratio Lower Upper

43 100

58 31.2 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 0.879 ug/l

RT: 3.15 min Scan# 371

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

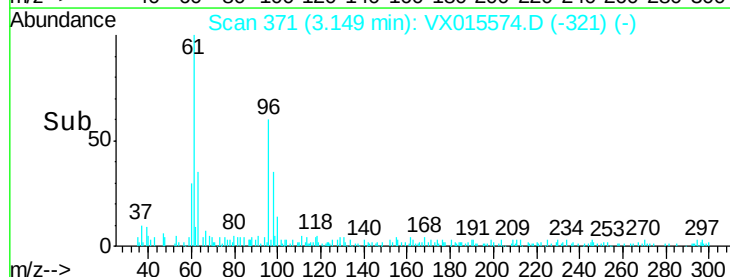
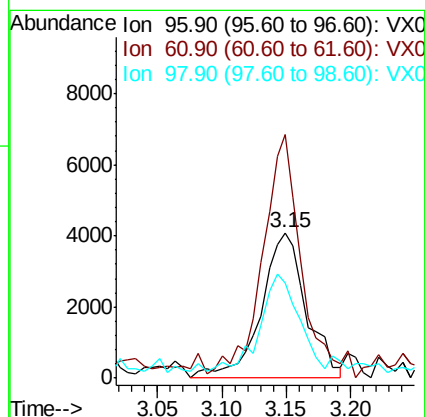
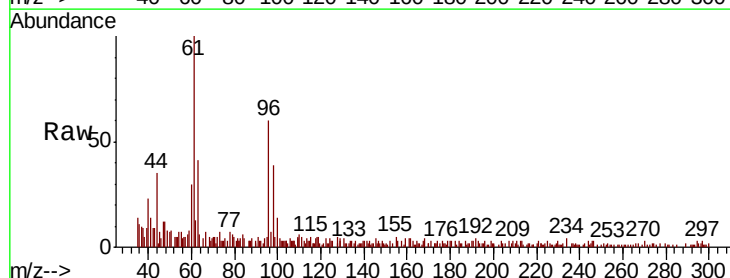
Tgt Ion: 96 Resp: 9908

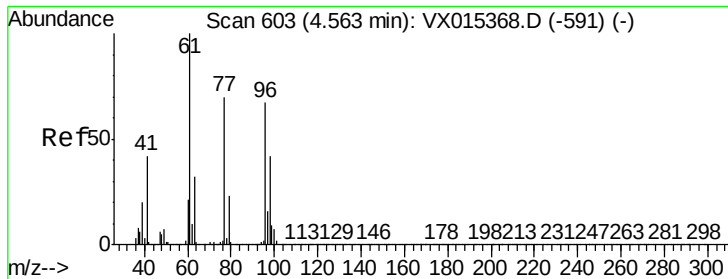
Ion Ratio Lower Upper

96 100

61 173.0 116.9 175.3

98 57.5 48.6 73.0



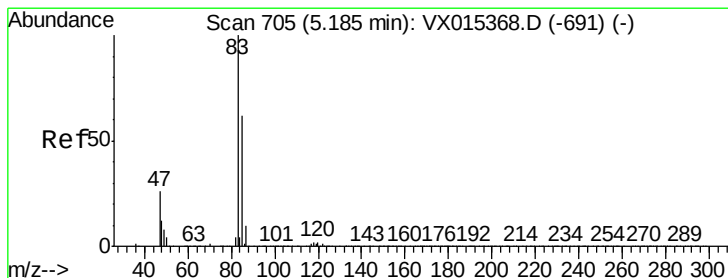
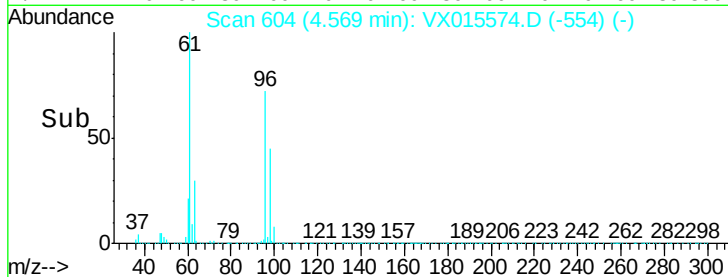
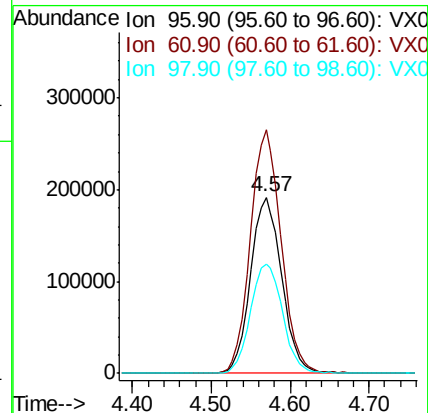
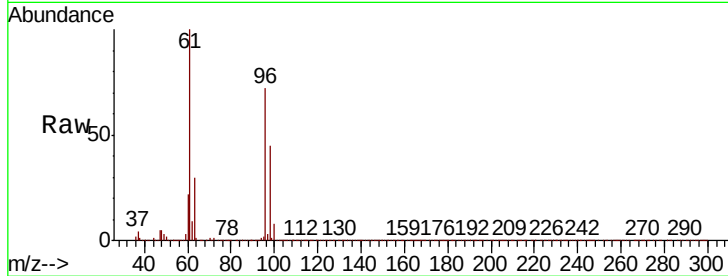


#27

cis-1,2-Dichloroethene
Concen: 40.244 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

Instrument :
MSVOA_X
ClientSampleId :
M-14-200406

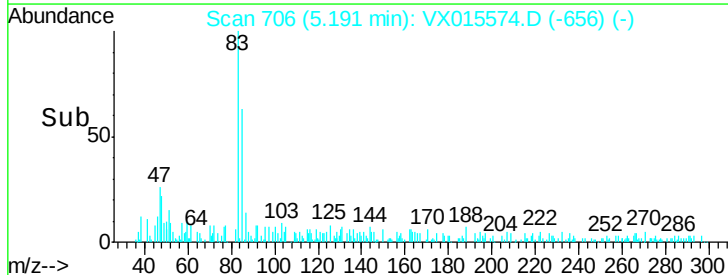
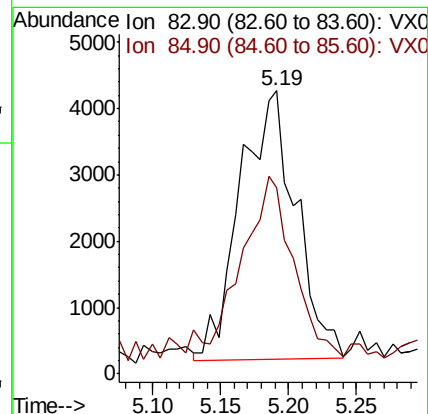
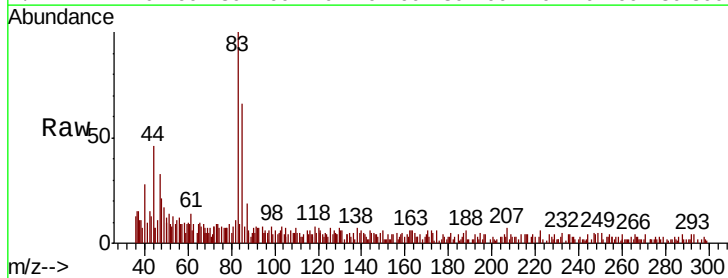
Tot Ion	Ratio	Lower	Upper
96	100		
61	137.4	0.0	308.4
98	63.9	0.0	129.2

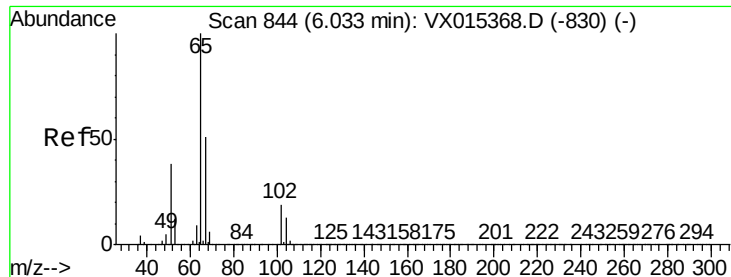


#30

Chloroform
Concen: 0.548 ug/l
RT: 5.19 min Scan# 706
Delta R.T. 0.01 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	58.5	49.5	74.3

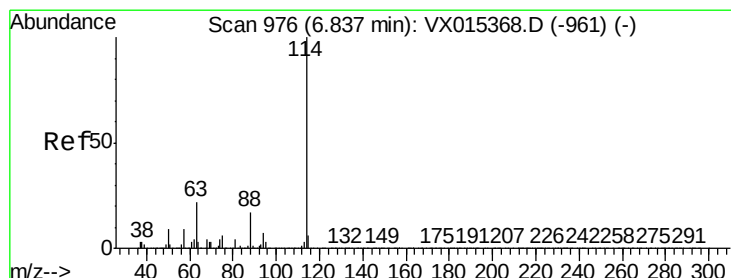
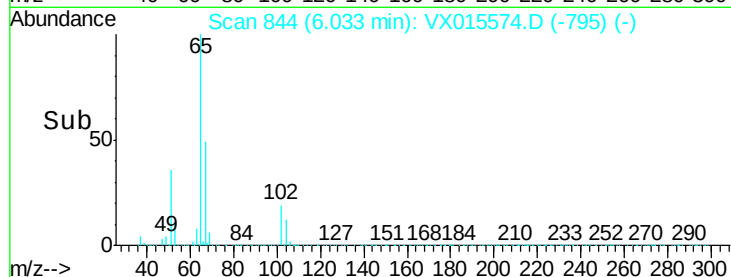
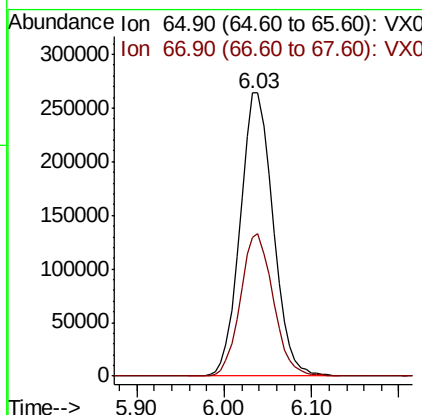
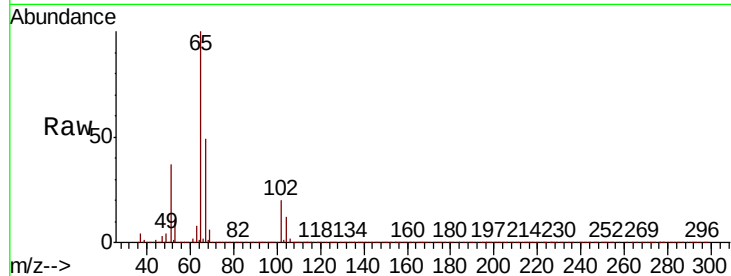




#33
 1,2-Dichloroethane-d4
 Concen: 45.794 ug/l
 RT: 6.03 min Scan# 844
 Delta R.T. 0.00 min
 Lab File: VX015574.D
 Acq: 08 Apr 2020 17:10

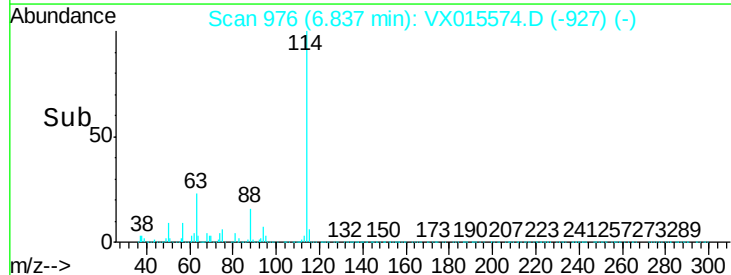
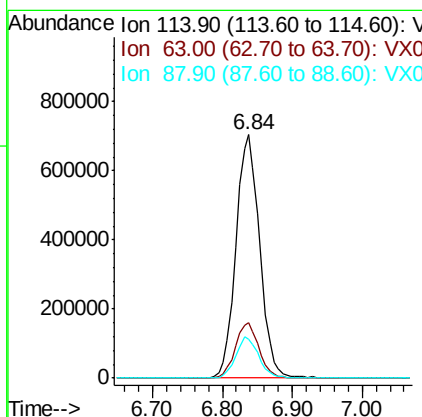
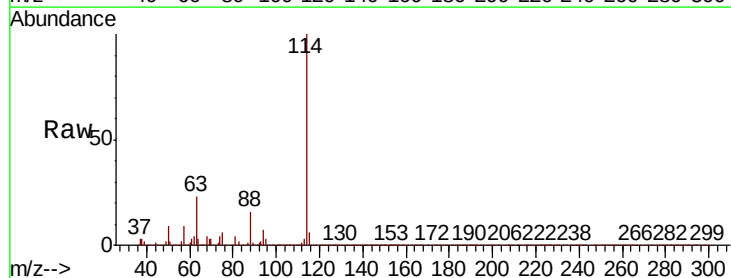
Instrument :
 MSVOA_X
 ClientSampleId :
 M-14-200406

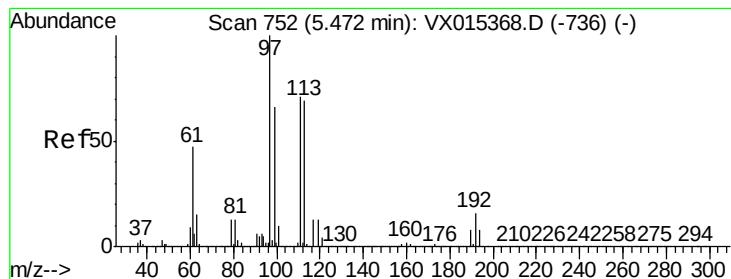
Tot Ion: 65 Resp: 694629
 Ion Ratio Lower Upper
 65 100
 67 50.1 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015574.D
 Acq: 08 Apr 2020 17:10

Tgt Ion: 114 Resp: 1656729
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 44.2
 88 15.7 0.0 33.8





#35

Dibromofluoromethane

Concen: 48.615 ug/l

RT: 5.47 min Scan# 752

Delta R.T. -0.00 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

M-14-200406

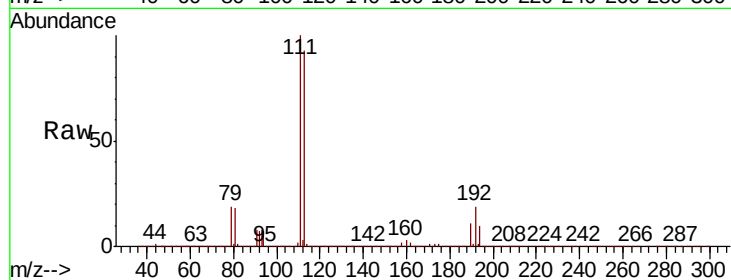
Tot Ion:113 Resp: 514851

Ion Ratio Lower Upper

113 100

111 105.0 81.5 122.3

192 22.5 17.8 26.6



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

250000

200000

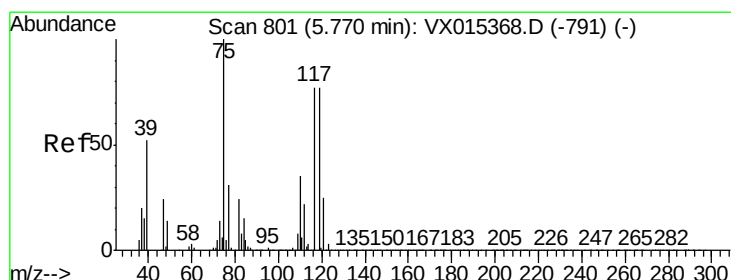
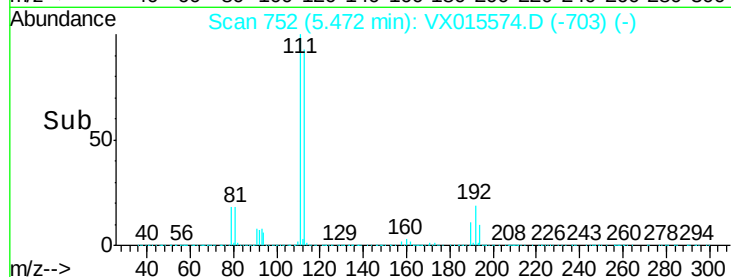
150000

100000

50000

0

Time--> 5.30 5.40 5.50 5.60



#36

1,1-Dichloropropene

Concen: 5.106 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

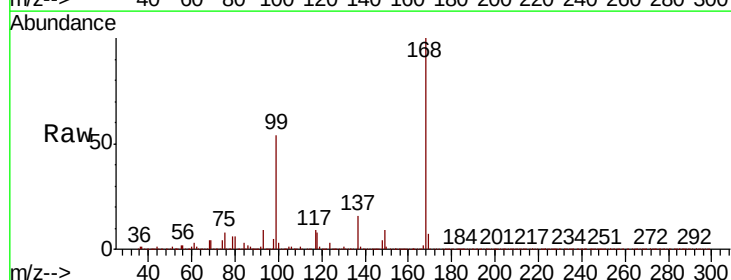
Tgt Ion: 75 Resp: 77938

Ion Ratio Lower Upper

75 100

110 10.5 17.1 51.3#

77 0.4 24.6 36.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

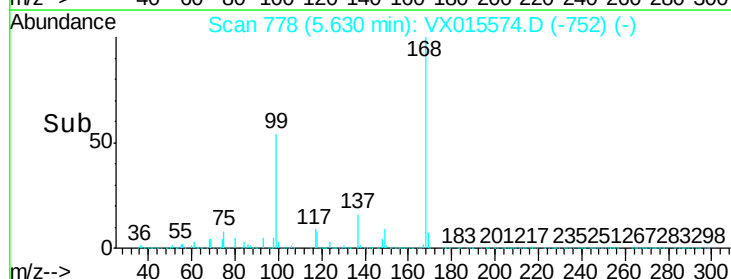
30000

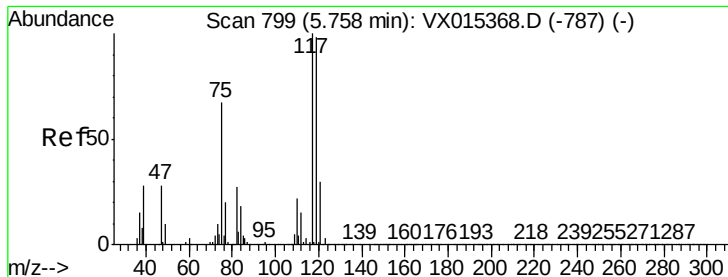
20000

10000

0

Time--> 5.50 5.60 5.70

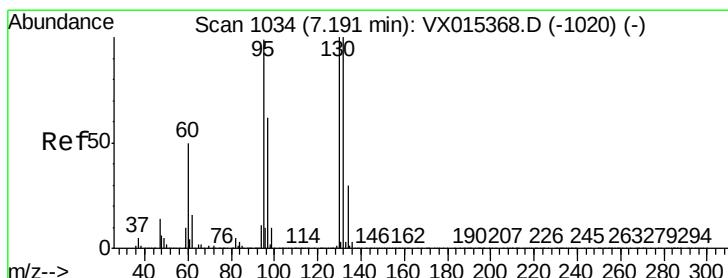
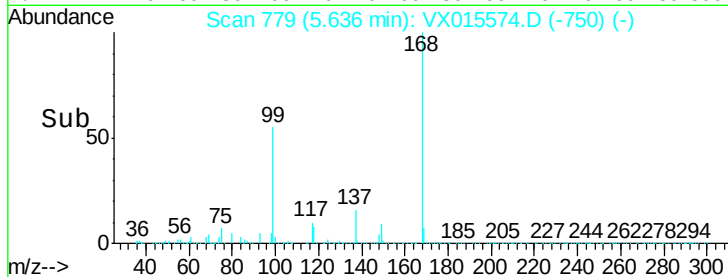
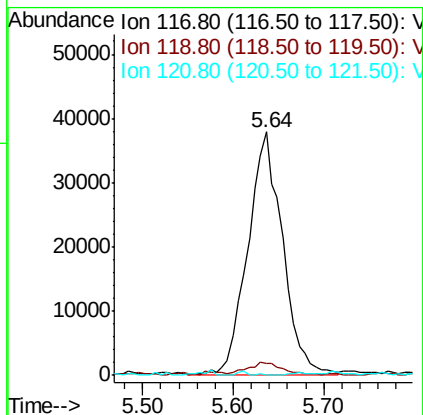
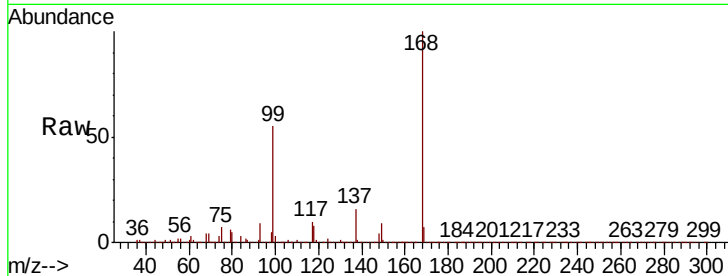




#38
Carbon Tetrachloride
Concen: 6.030 ug/l
RT: 5.64 min Scan# 779
Delta R.T. -0.12 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

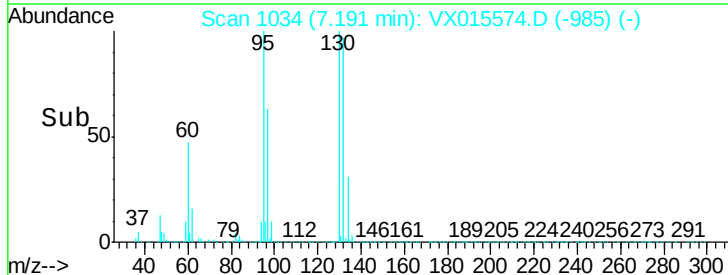
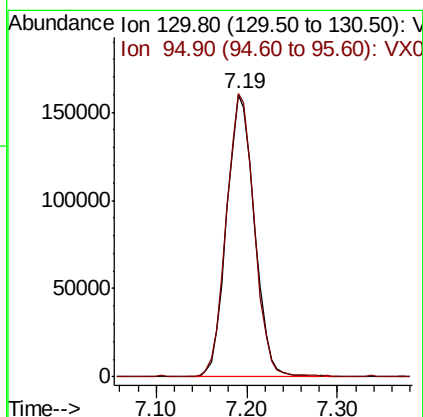
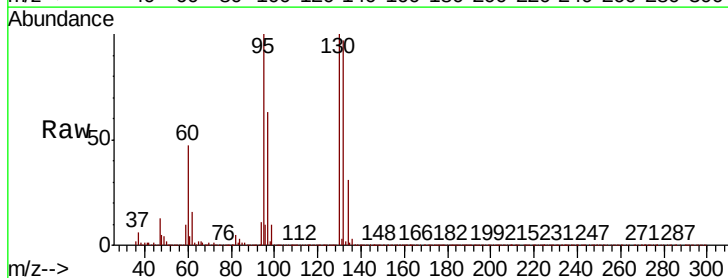
Instrument :
MSVOA_X
ClientSampleId :
M-14-200406

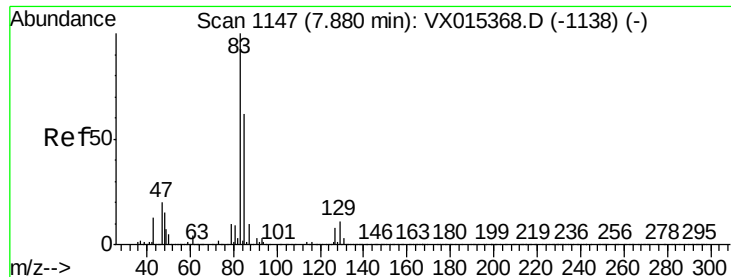
Tot Ion:117 Resp: 99703
Ion Ratio Lower Upper
117 100
119 4.5 78.0 117.0#
121 0.0 23.8 35.8#



#44
Trichloroethene
Concen: 27.840 ug/l
RT: 7.19 min Scan# 1034
Delta R.T. -0.00 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

Tgt Ion:130 Resp: 339512
Ion Ratio Lower Upper
130 100
95 99.9 0.0 199.0





#47

Bromodichloromethane

Concen: 0.274 ug/l

RT: 7.89 min Scan# 1148

Delta R.T. 0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

M-14-200406

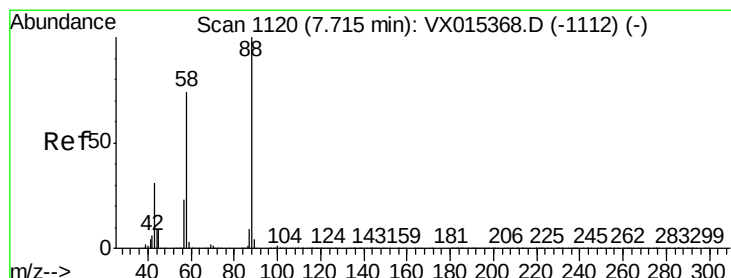
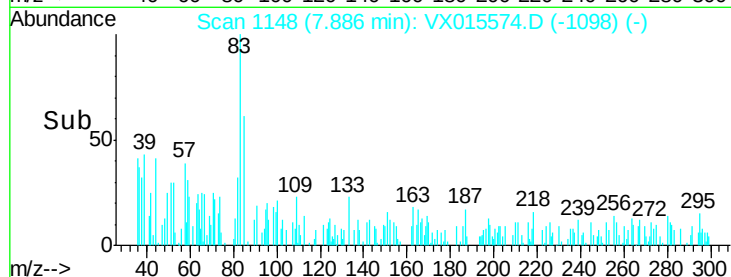
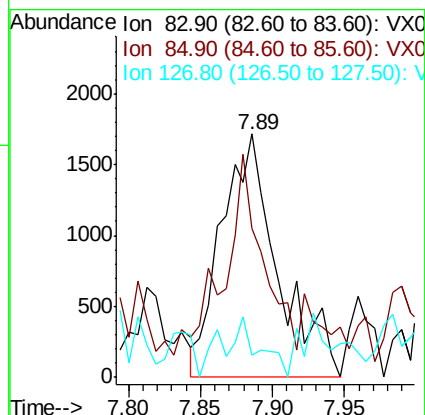
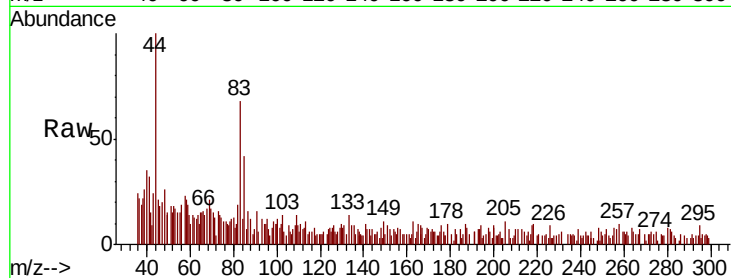
Tot Ion: 83 Resp: 4688

Ion Ratio Lower Upper

83 100

85 44.7 49.7 74.5#

127 0.0 6.7 10.1#



#49

1,4-Dioxane

Concen: 0.675 ug/l

RT: 7.71 min Scan# 1119

Delta R.T. -0.01 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

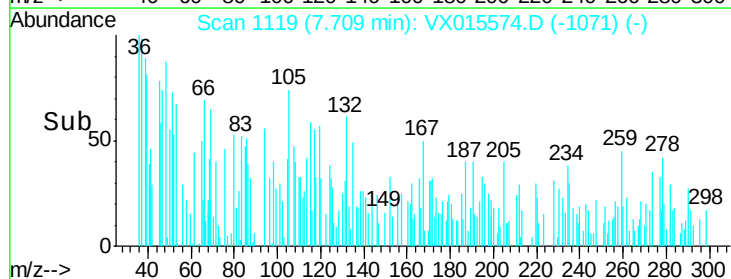
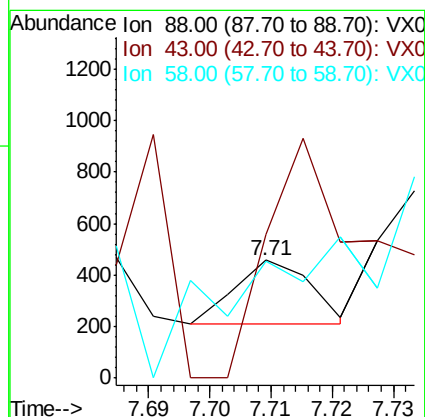
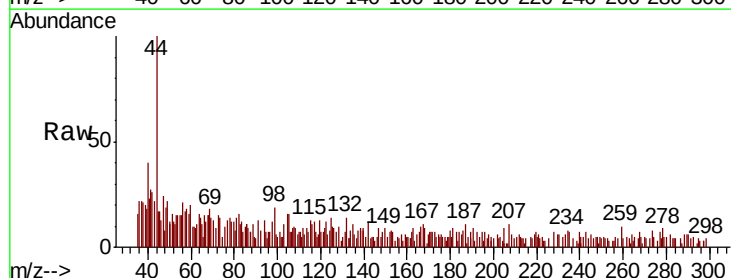
Tgt Ion: 88 Resp: 211

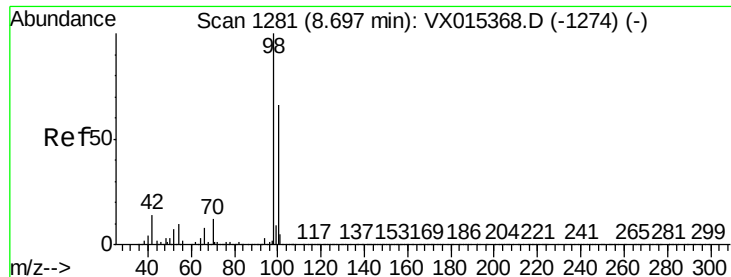
Ion Ratio Lower Upper

88 100

43 524.6 30.1 45.1#

58 0.0 60.6 90.8#

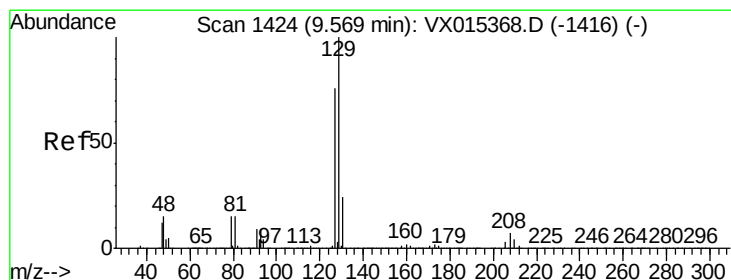
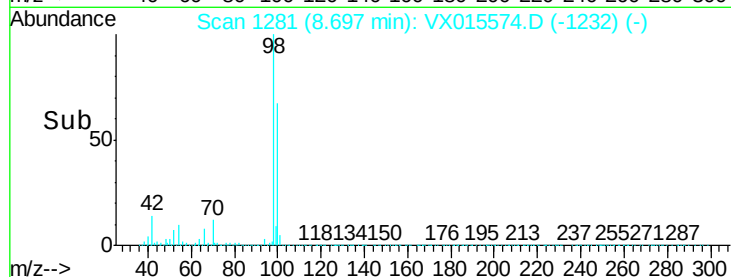
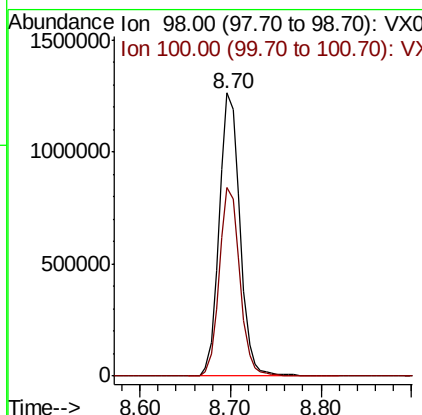
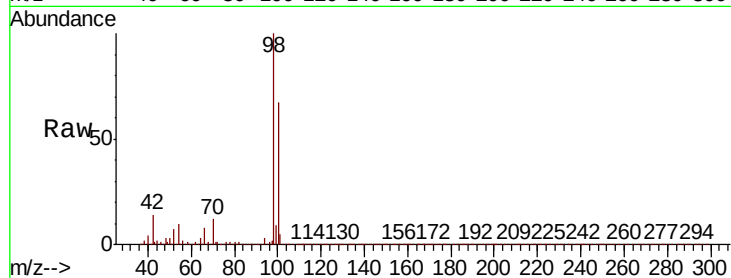




#50
Toluene-d8
Concen: 51.747 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. -0.00 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

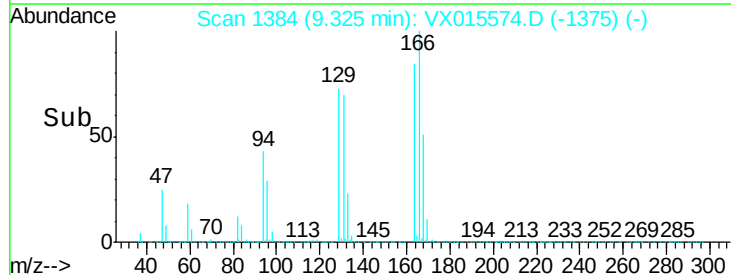
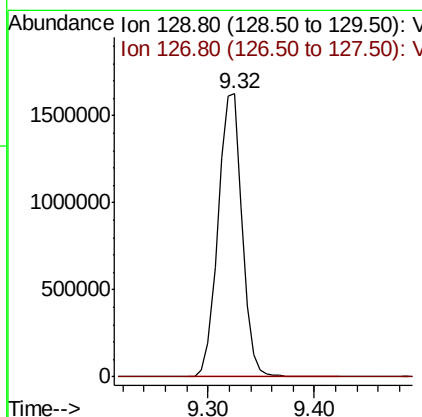
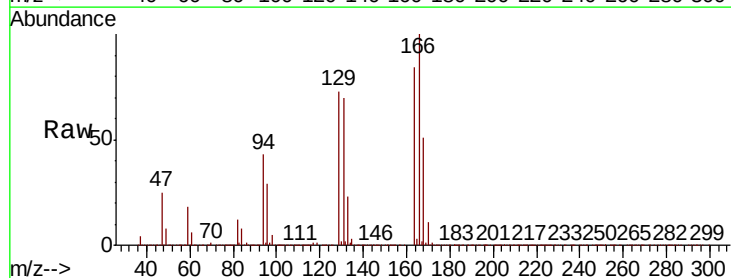
Instrument :
MSVOA_X
ClientSampleId :
M-14-200406

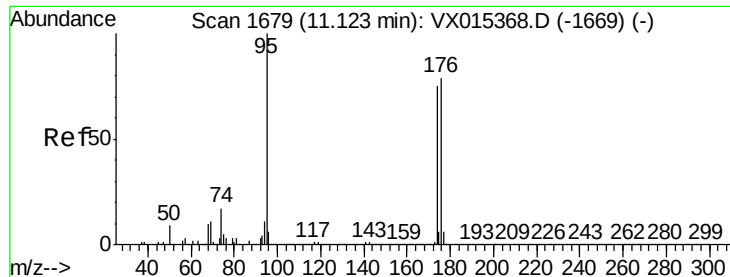
Tot Ion: 98 Resp: 2017630
Ion Ratio Lower Upper
98 100
100 66.1 53.5 80.3



#60
Dibromochloromethane
Concen: 187.900 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. -0.24 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

Tgt Ion: 129 Resp: 2550211
Ion Ratio Lower Upper
129 100
127 0.0 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 55.097 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

M-14-200406

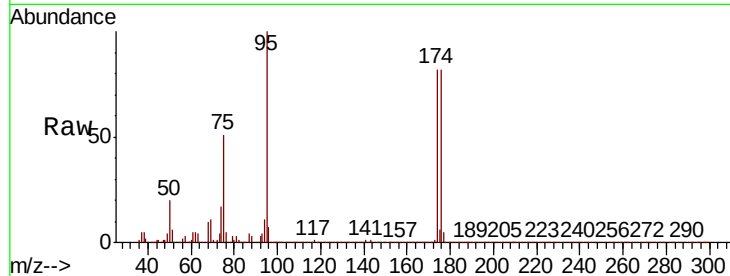
Tot Ion: 95 Resp: 873058

Ion Ratio Lower Upper

95 100

174 83.6 0.0 158.6

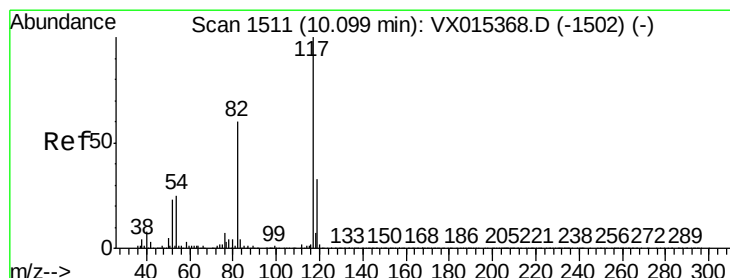
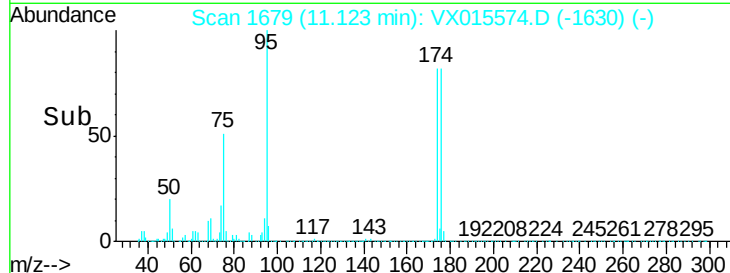
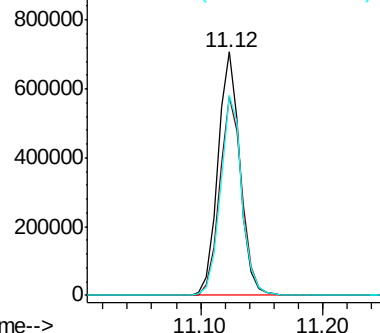
176 80.5 0.0 159.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. -0.00 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

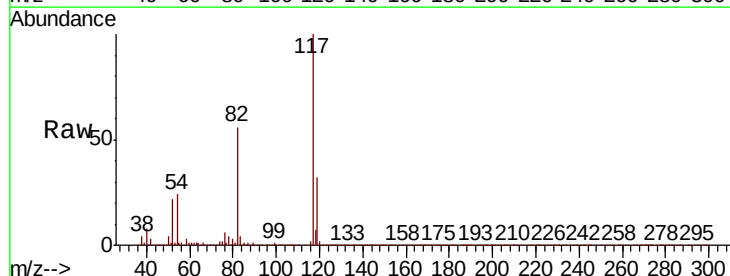
Tgt Ion: 117 Resp: 1594174

Ion Ratio Lower Upper

117 100

82 55.9 47.8 71.8

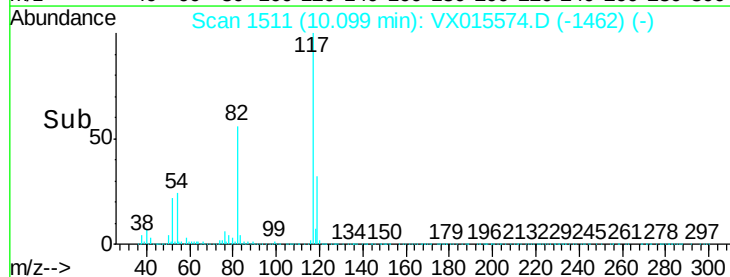
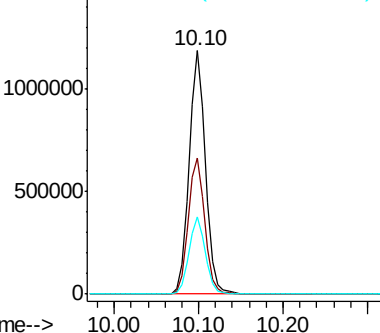
119 31.7 26.8 40.2

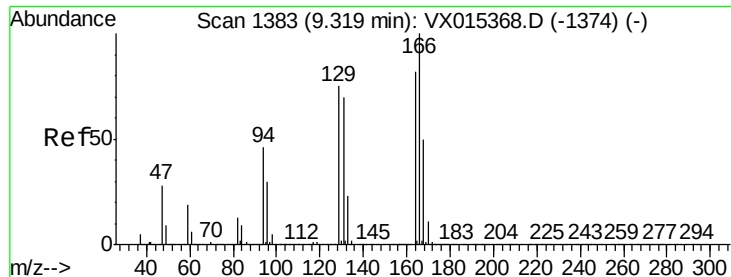


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

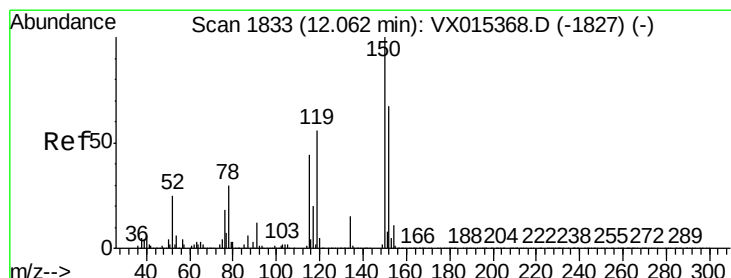
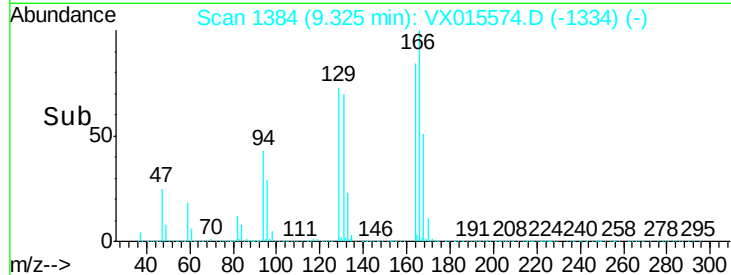
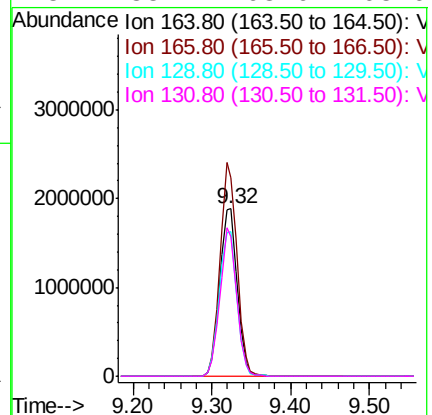
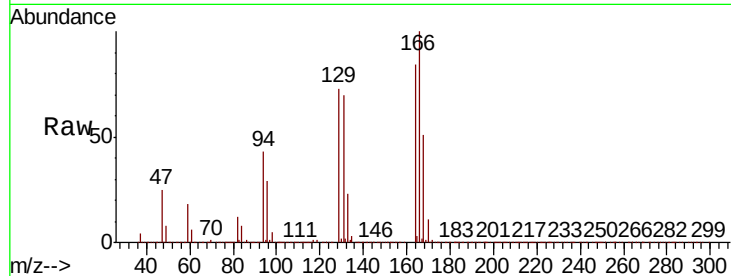




#64
Tetrachloroethene
Concen: 241.929 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

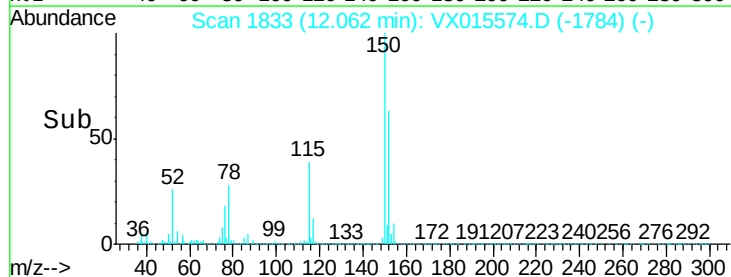
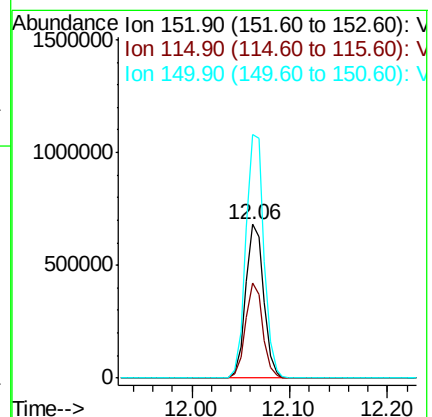
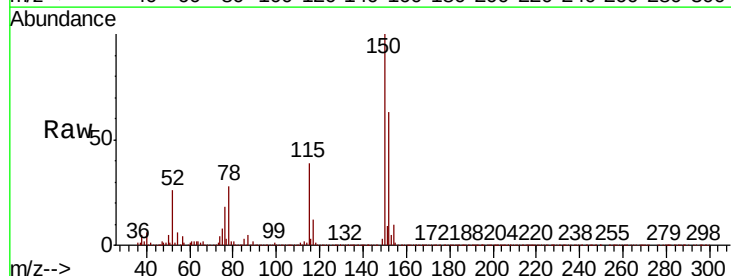
Instrument :
MSVOA_X
ClientSampleId :
M-14-200406

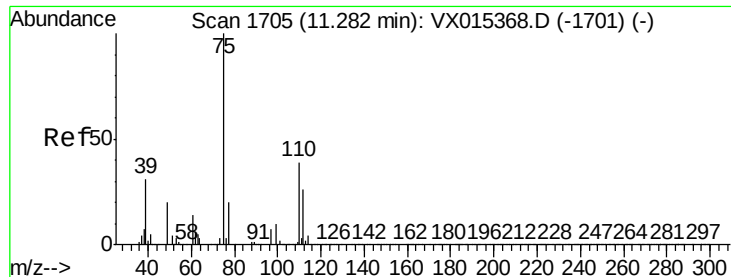
Tot Ion:164 Resp: 2910604
Ion Ratio Lower Upper
164 100
166 118.7 97.8 146.6
129 86.2 73.0 109.4
131 83.7 68.6 103.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX015574.D
Acq: 08 Apr 2020 17:10

Tgt Ion:152 Resp: 867566
Ion Ratio Lower Upper
152 100
115 58.9 39.0 116.9
150 159.6 0.0 340.8





#76

1,2,3-Trichloropropane

Concen: 24.996 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

Instrument :

MSVOA_X

ClientSampleId :

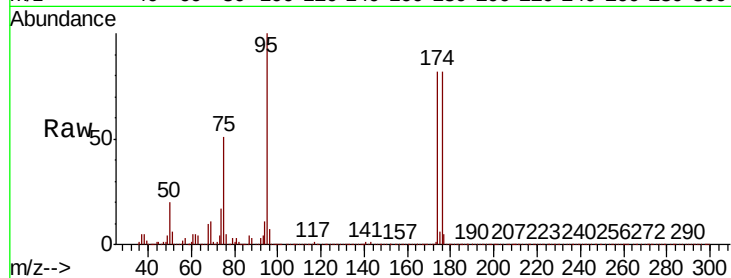
M-14-200406

Tot Ion: 75 Resp: 445957

Ion Ratio Lower Upper

75 100

77 1.1 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.12

400000

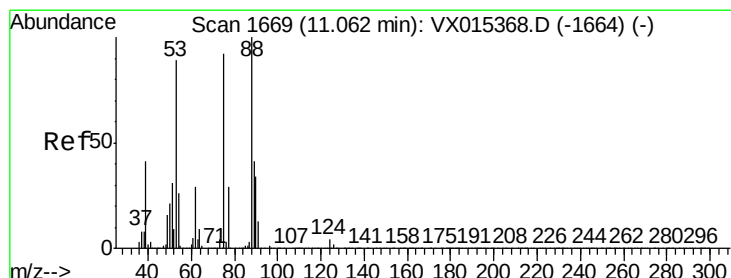
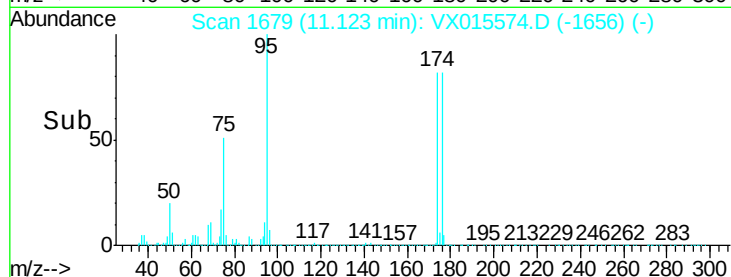
300000

200000

100000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 59.978 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015574.D

Acq: 08 Apr 2020 17:10

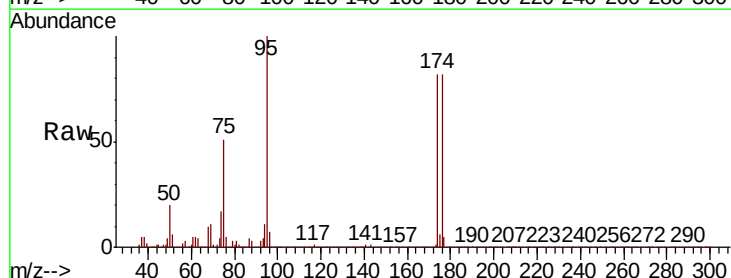
Tgt Ion: 75 Resp: 445957

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

500000

400000

300000

200000

100000

0

Time-->

