

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040820\
 Data File : VX015577.D
 Acq On : 08 Apr 2020 18:18
 Operator : JC/SP
 Sample : L2190-21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ST006MW008-200407

Quant Time: Apr 09 06:24:43 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	1065334	50.00	ug/l	0.01
34) 1,4-Difluorobenzene	6.83	114	1675319	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1647866	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	885251	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	698805	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	5.47	113	523032	48.84	ug/l	0.00
Spiked Amount			Recovery	=	97.68%	
50) Toluene-d8	8.70	98	2018420	51.19	ug/l	0.00
Spiked Amount			Recovery	=	102.38%	
62) 4-Bromofluorobenzene	11.12	95	879278	54.87	ug/l	0.00
Spiked Amount			Recovery	=	109.74%	

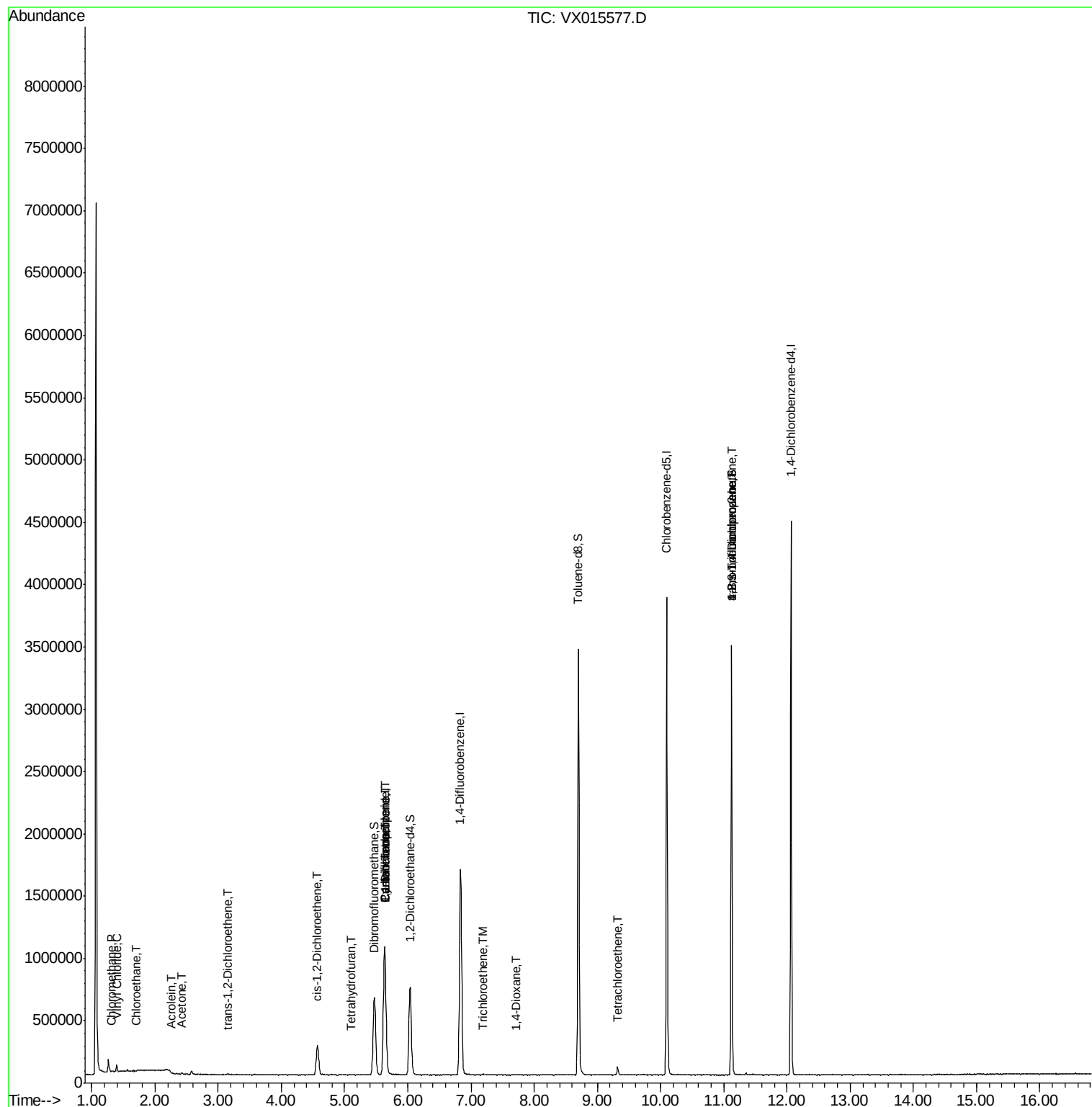
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.31	50	3953	0.331	ug/l	89
4) Vinyl Chloride	1.39	62	35958	3.276	ug/l	96
5) Bromomethane	1.64	94	772	Below Cal	#	43
6) Chloroethane	1.70	64	1426	0.209	ug/l #	46
13) Acrolein	2.26	56	546	0.267	ug/l #	14
16) Acetone	2.42	43	14897	2.308	ug/l	94
21) trans-1,2-Dichloroethene	3.14	96	2358	0.211	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	147919	11.454	ug/l	91
29) Tetrahydrofuran	5.10	42	1458	0.218	ug/l #	60
31) Cyclohexane	5.63	56	21166	1.113	ug/l #	4
36) 1,1-Dichloropropene	5.63	75	75749	4.907	ug/l #	52
38) Carbon Tetrachloride	5.63	117	99431	5.947	ug/l #	15
44) Trichloroethene	7.19	130	5353	0.434	ug/l	93
49) 1,4-Dioxane	7.72	88	405	1.281	ug/l #	1
64) Tetrachloroethene	9.32	164	13247	1.065	ug/l	91
76) 1,2,3-Trichloropropane	11.12	75	449283	24.680	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	449283	59.218	ug/l #	10

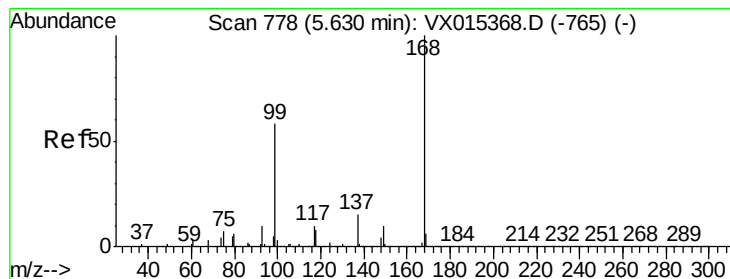
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 780

Delta R.T. 0.01 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

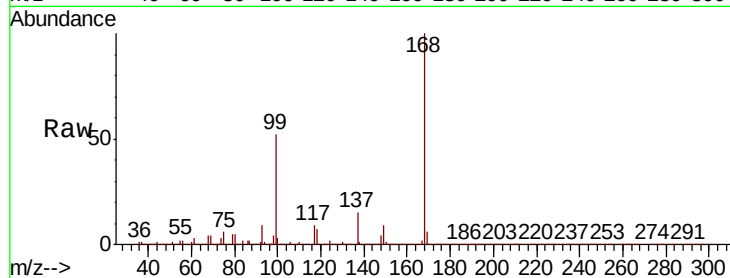
ST006MW008-200407

Tot Ion:168 Resp: 1065334

Ion Ratio Lower Upper

168 100

99 51.7 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

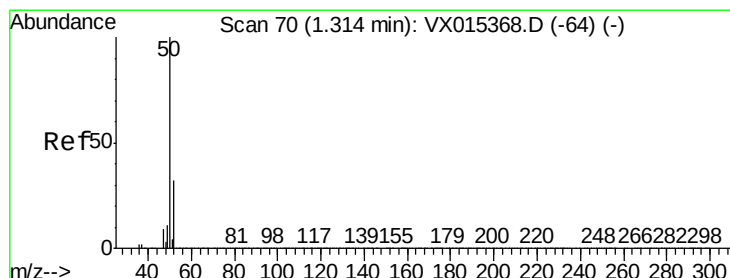
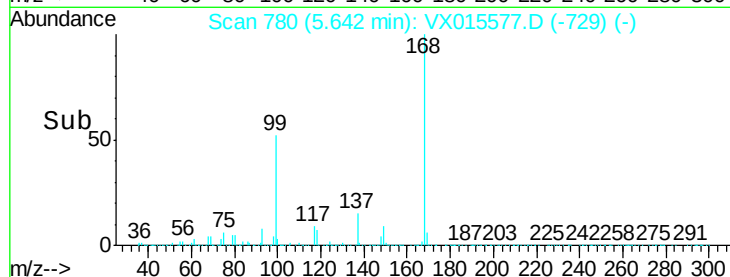
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 0.331 ug/l

RT: 1.31 min Scan# 70

Delta R.T. 0.00 min

Lab File: VX015577.D

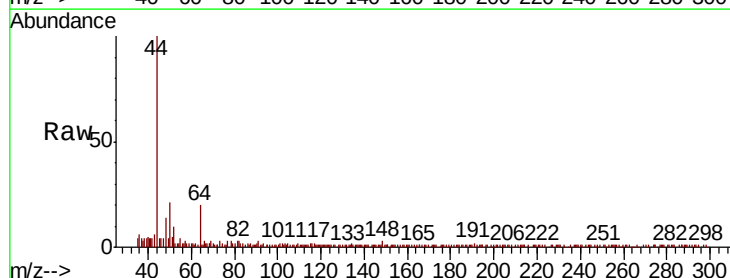
Acq: 08 Apr 2020 18:18

Tgt Ion: 50 Resp: 3953

Ion Ratio Lower Upper

50 100

52 37.8 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

4000

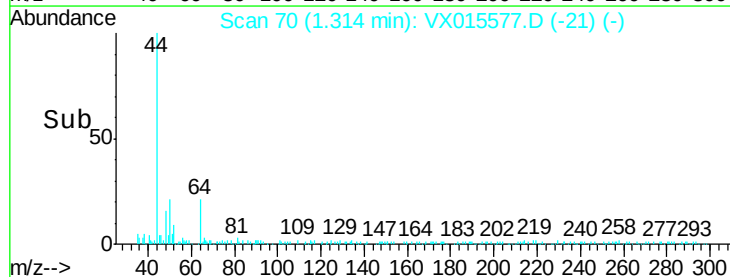
3000

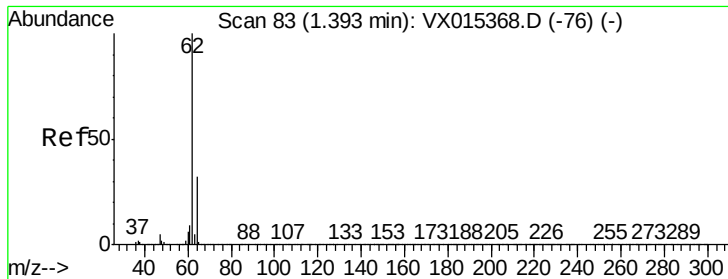
2000

1000

0

Time-->





#4

Vinyl Chloride

Concen: 3.276 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

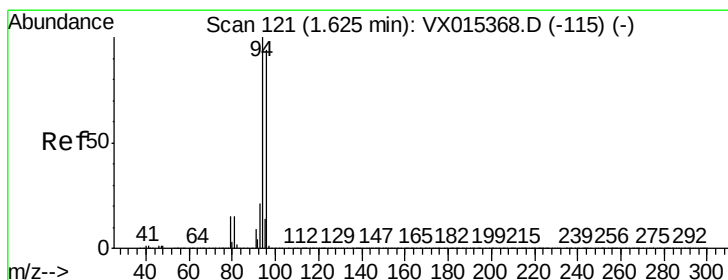
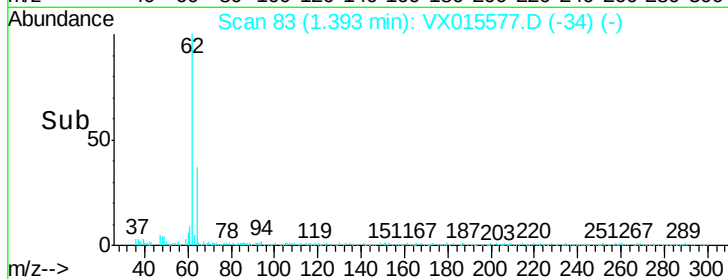
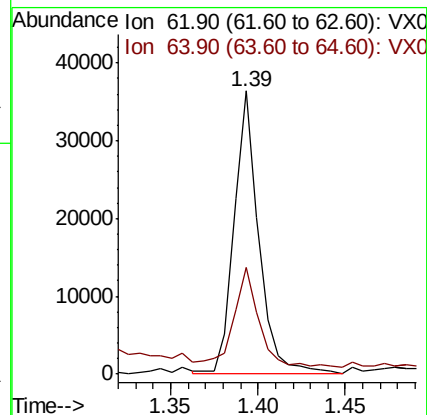
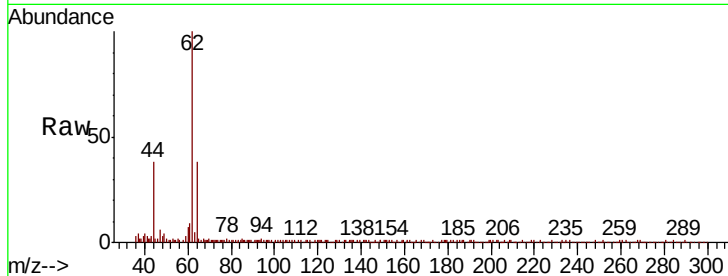
ST006MW008-200407

Tot Ion: 62 Resp: 35958

Ion Ratio Lower Upper

62 100

64 34.9 26.0 39.0



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 124

Delta R.T. 0.02 min

Lab File: VX015577.D

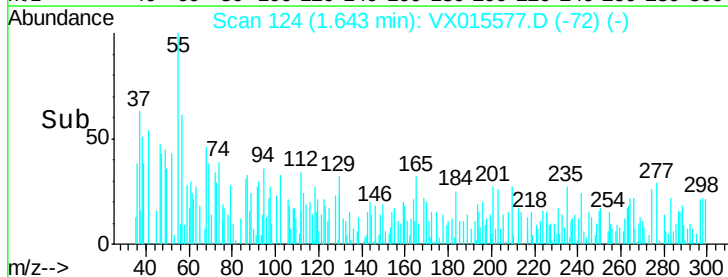
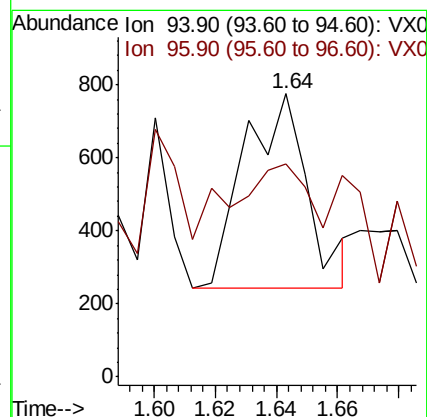
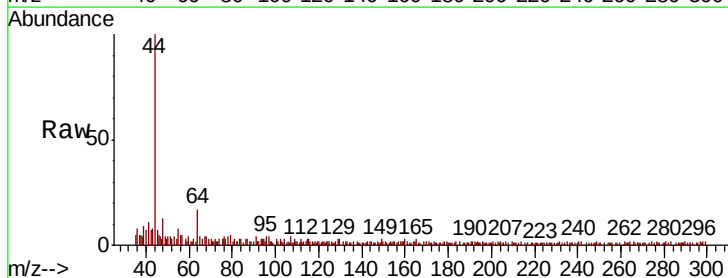
Acq: 08 Apr 2020 18:18

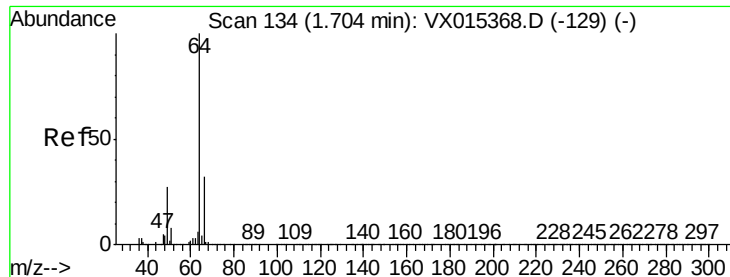
Tgt Ion: 94 Resp: 772

Ion Ratio Lower Upper

94 100

96 38.8 74.8 112.2#





#6

Chloroethane

Concen: 0.209 ug/l

RT: 1.70 min Scan# 133

Delta R.T. -0.01 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

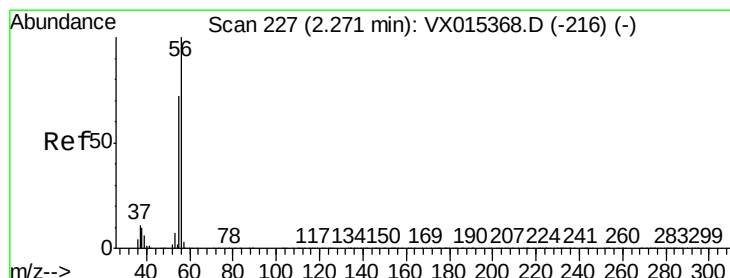
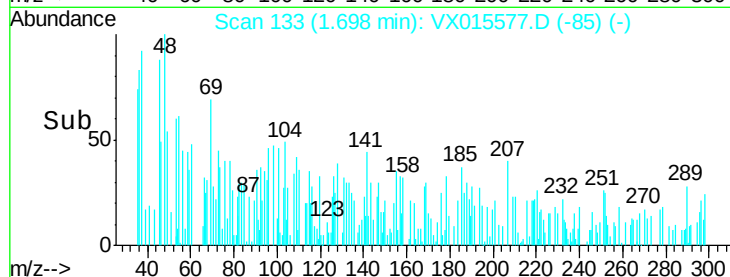
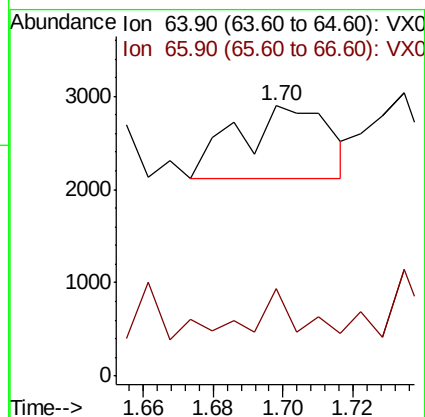
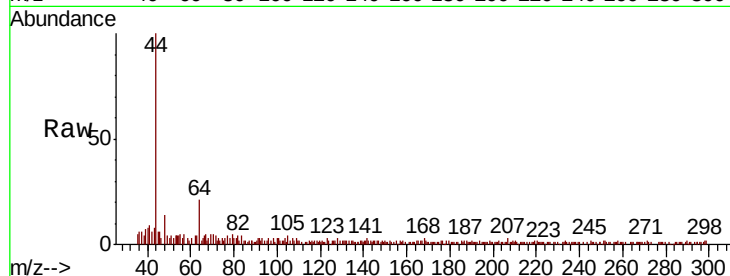
ST006MW008-200407

Tot Ion: 64 Resp: 1426

Ion Ratio Lower Upper

64 100

66 61.6 25.4 38.2#



#13

Acrolein

Concen: 0.267 ug/l

RT: 2.26 min Scan# 225

Delta R.T. -0.01 min

Lab File: VX015577.D

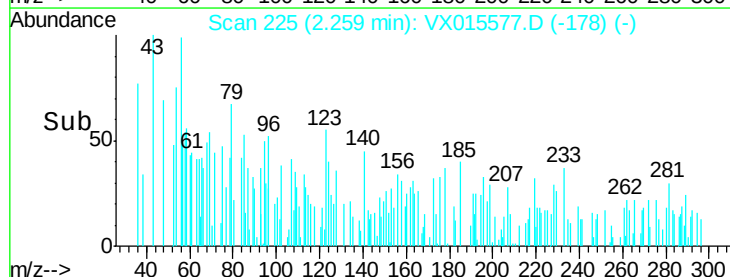
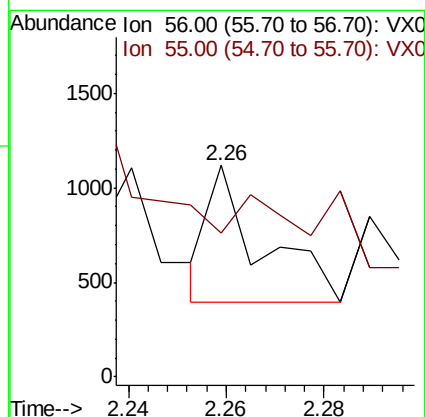
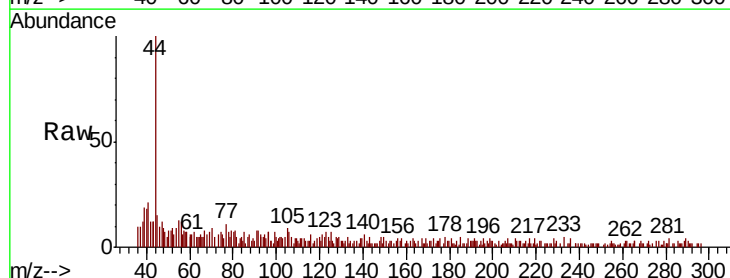
Acq: 08 Apr 2020 18:18

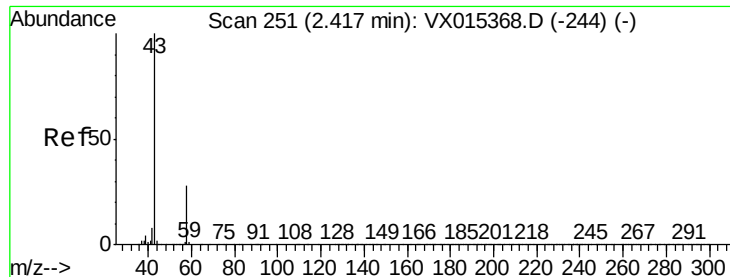
Tgt Ion: 56 Resp: 546

Ion Ratio Lower Upper

56 100

55 0.0 57.0 85.4#





#16

Acetone

Concen: 2.308 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

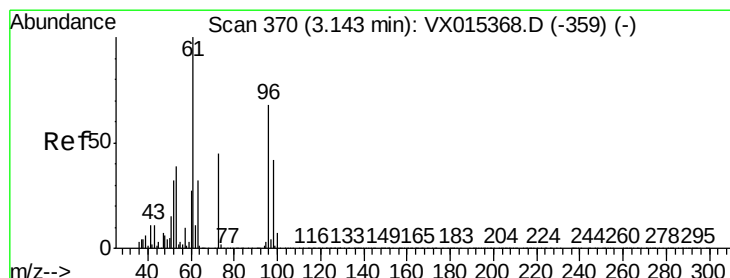
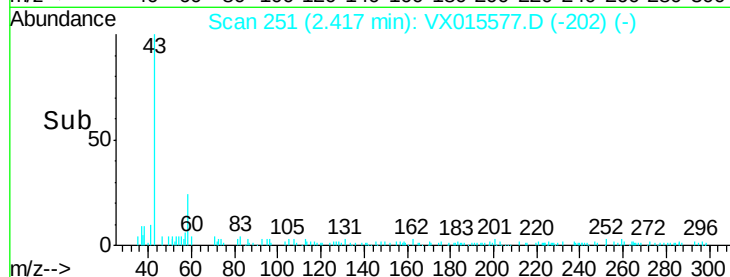
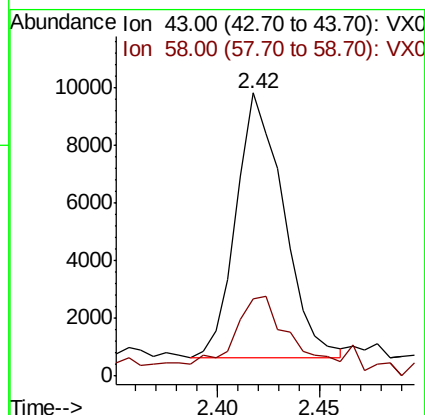
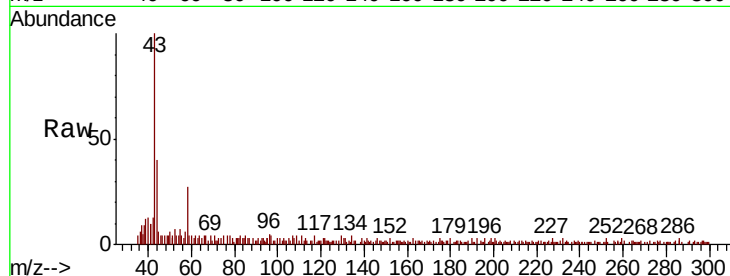
ST006MW008-200407

Tot Ion: 43 Resp: 14897

Ion Ratio Lower Upper

43 100

58 24.6 22.1 33.1



#21

trans-1,2-Dichloroethene

Concen: 0.211 ug/l

RT: 3.14 min Scan# 370

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

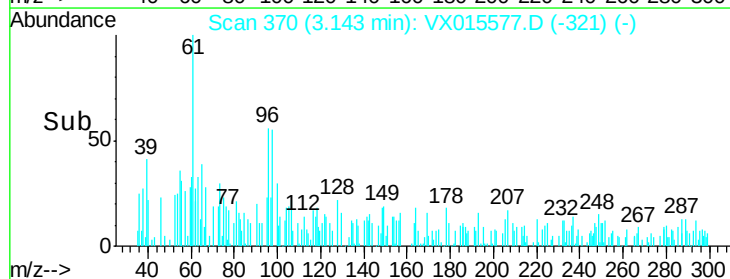
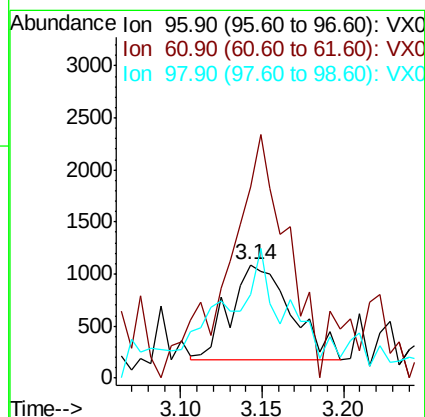
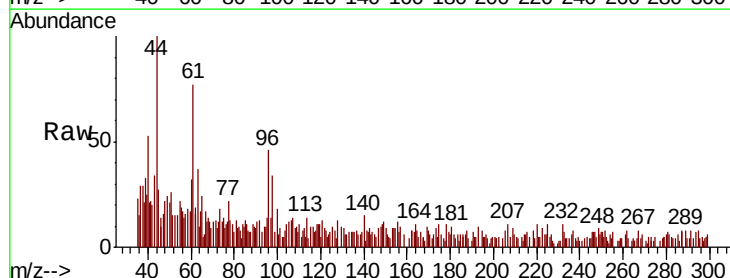
Tgt Ion: 96 Resp: 2358

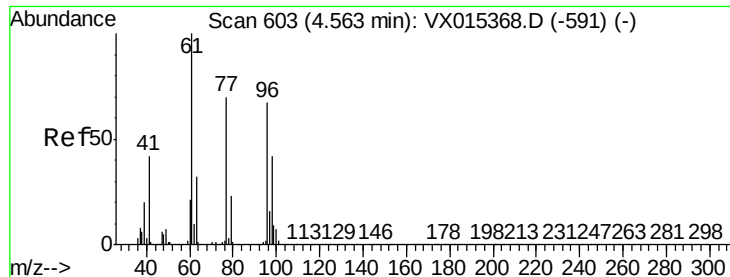
Ion Ratio Lower Upper

96 100

61 150.2 116.9 175.3

98 67.0 48.6 73.0





#27

cis-1,2-Dichloroethene

Concen: 11.454 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.01 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-200407

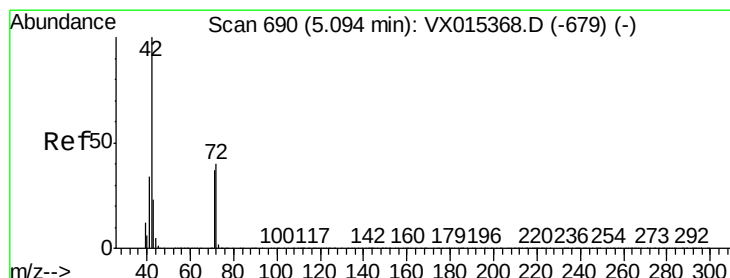
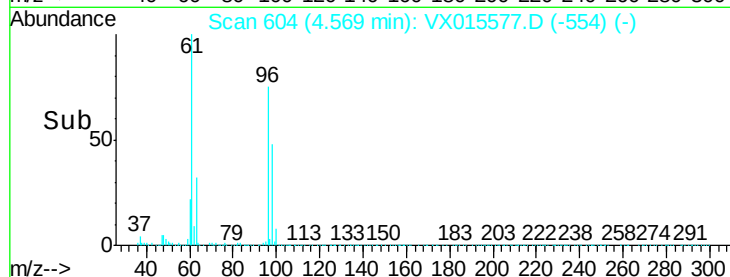
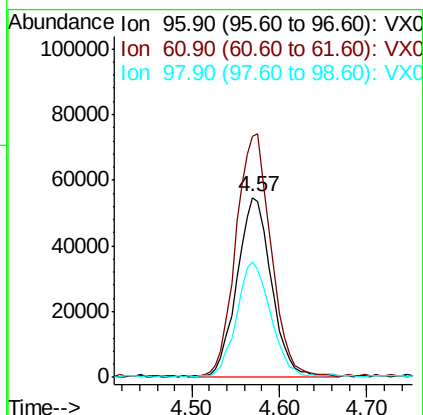
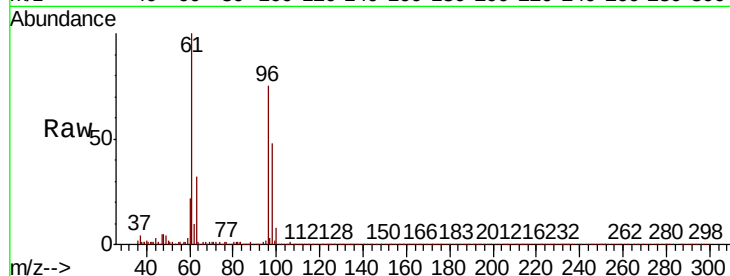
Tot Ion: 96 Resp: 147919

Ion Ratio Lower Upper

96 100

61 138.4 0.0 308.4

98 64.0 0.0 129.2



#29

Tetrahydrofuran

Concen: 0.218 ug/l

RT: 5.10 min Scan# 691

Delta R.T. 0.01 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

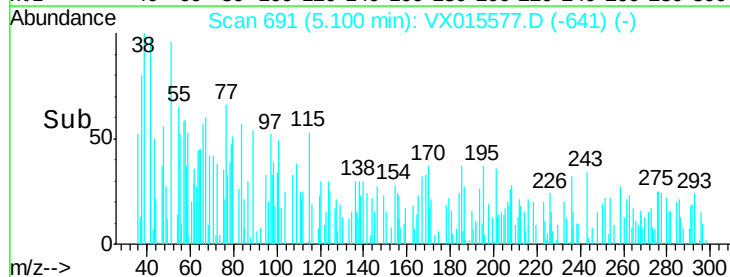
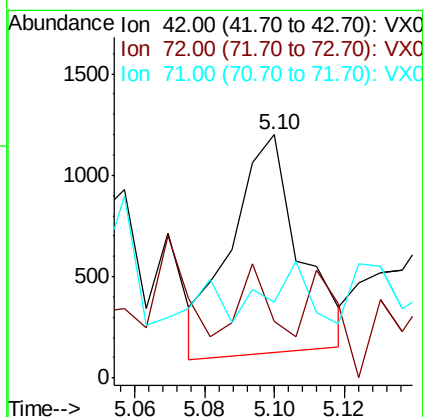
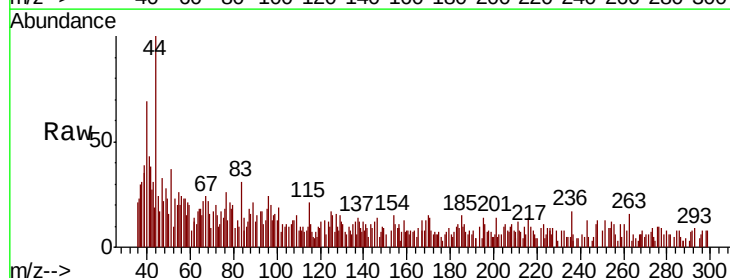
Tgt Ion: 42 Resp: 1458

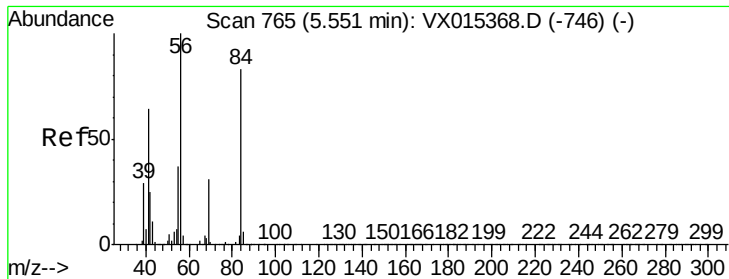
Ion Ratio Lower Upper

42 100

72 21.3 31.7 47.5#

71 7.1 29.6 44.4#

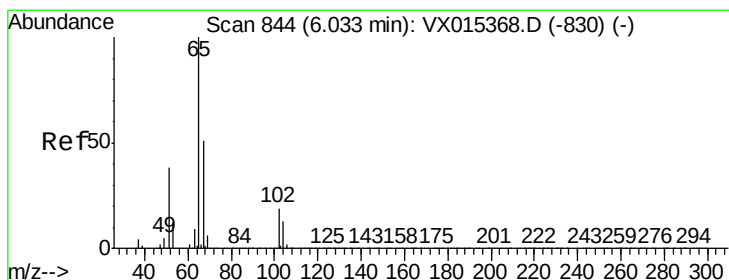
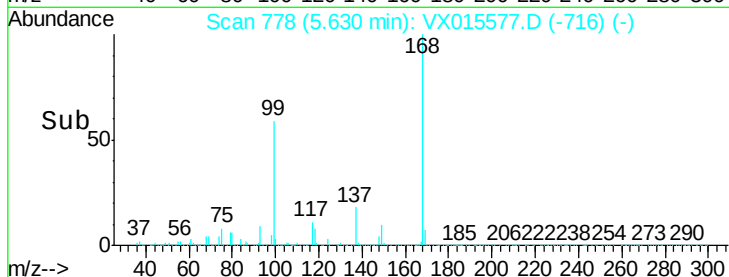
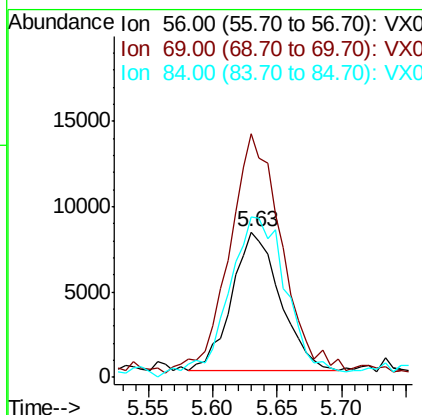
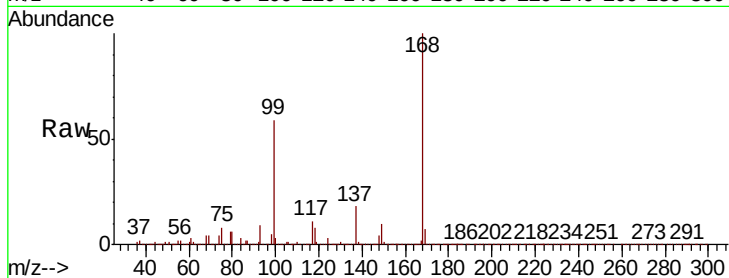




#31
Cyclohexane
Concen: 1.113 ug/l
RT: 5.63 min Scan# 778
Delta R.T. 0.08 min
Lab File: VX015577.D
Acq: 08 Apr 2020 18:18

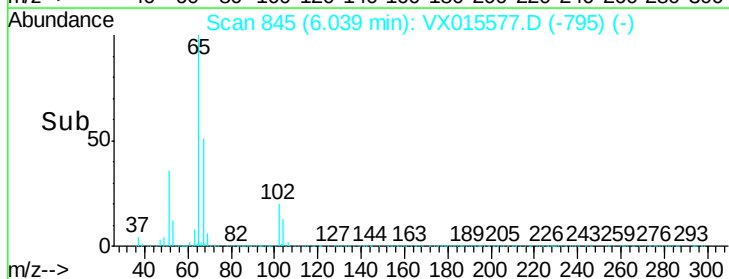
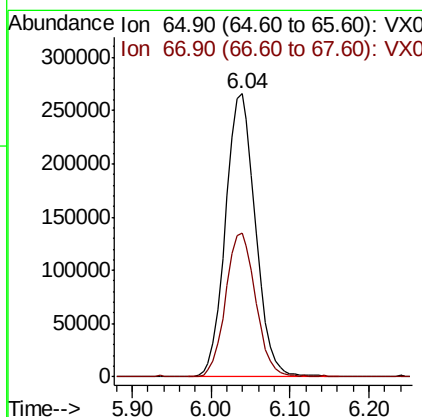
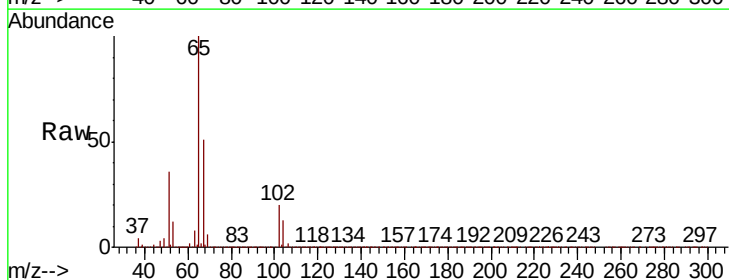
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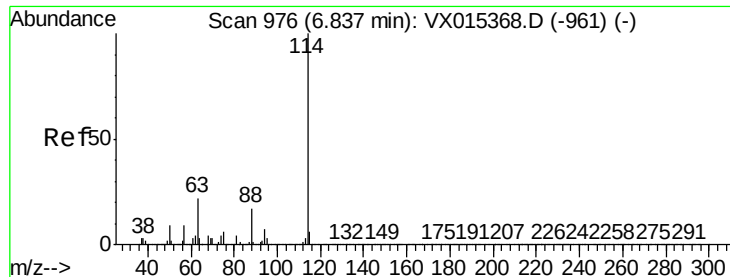
Tot Ion	Ratio	Lower	Upper
56	100		
69	170.7	24.6	36.8#
84	116.1	66.1	99.1#



#33
1,2-Dichloroethane-d4
Concen: 46.508 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015577.D
Acq: 08 Apr 2020 18:18

Tgt Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 975

Delta R.T. -0.01 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-200407

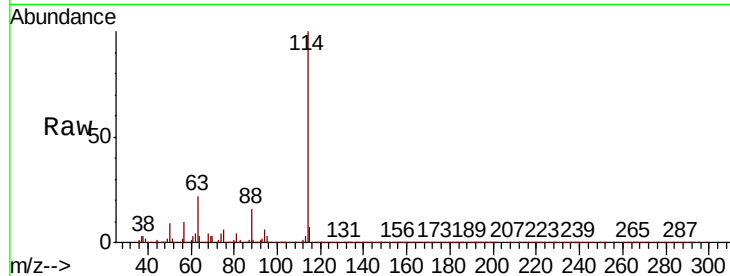
Tot Ion:114 Resp: 1675319

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.2

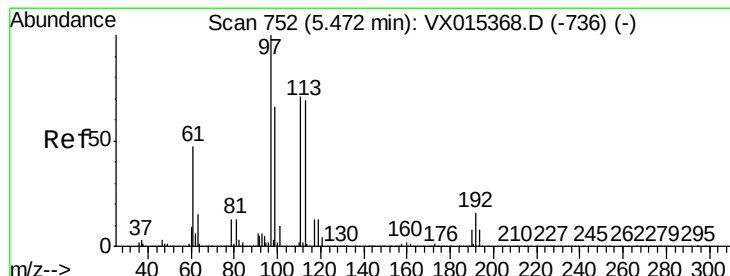
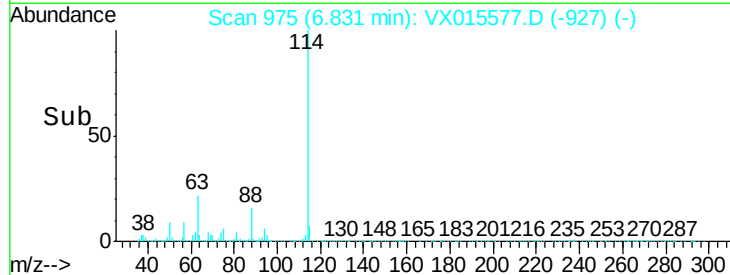
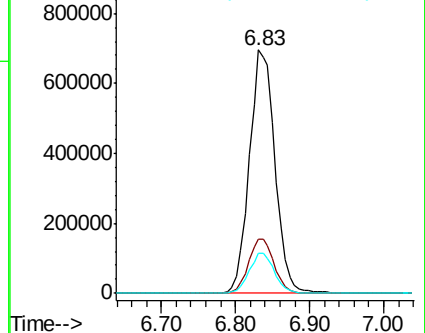
88 16.4 0.0 33.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 48.840 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

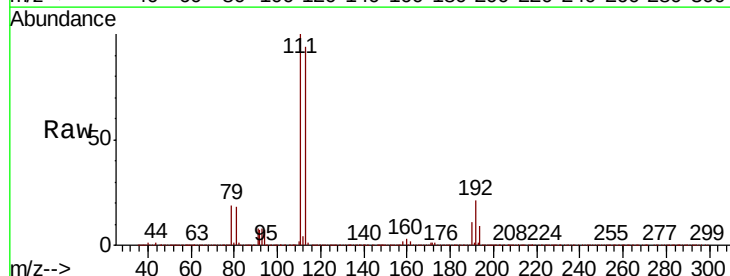
Tgt Ion:113 Resp: 523032

Ion Ratio Lower Upper

113 100

111 102.2 81.5 122.3

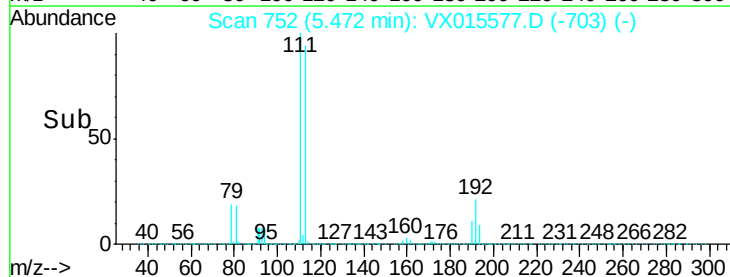
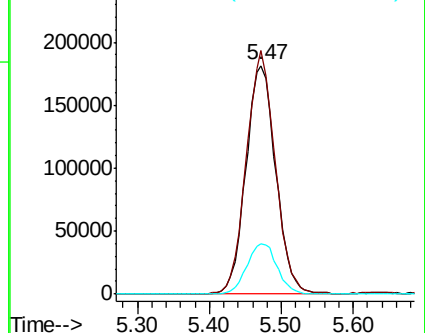
192 22.3 17.8 26.6

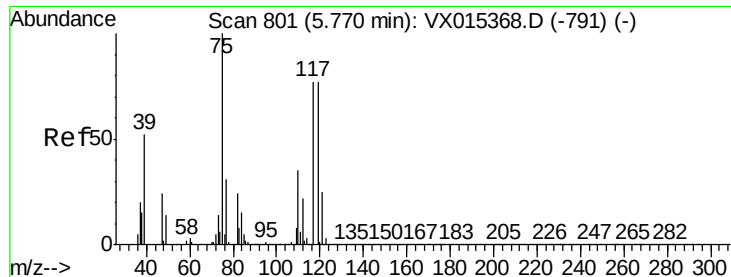


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.907 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

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ST006MW008-200407

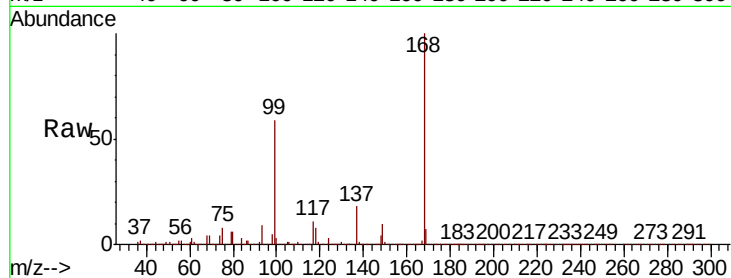
Tot Ion: 75 Resp: 75749

Ion Ratio Lower Upper

75 100

110 10.7 17.1 51.3#

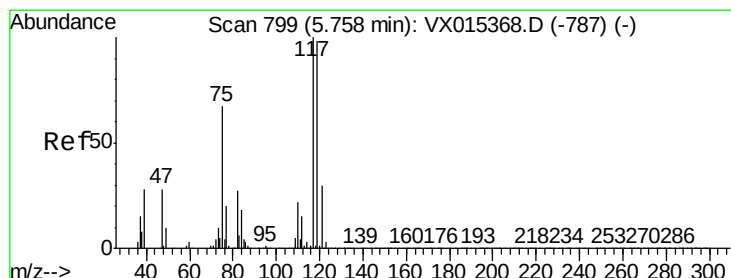
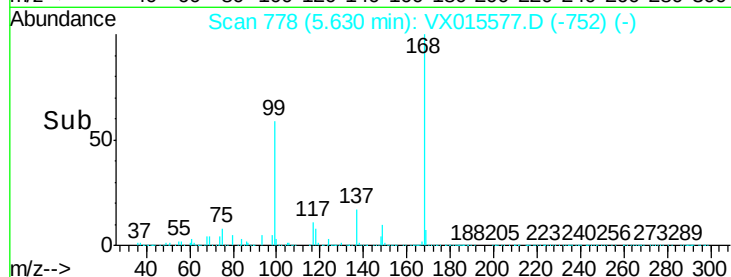
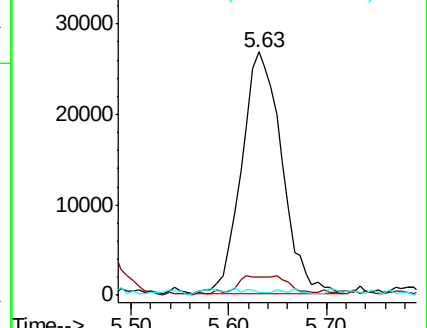
77 0.3 24.6 36.8#



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



#38

Carbon Tetrachloride

Concen: 5.947 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.13 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

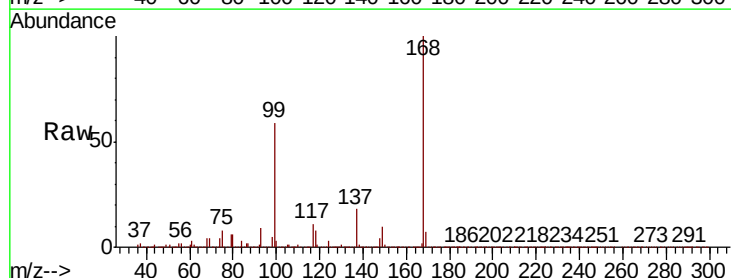
Tgt Ion: 117 Resp: 99431

Ion Ratio Lower Upper

117 100

119 4.4 78.0 117.0#

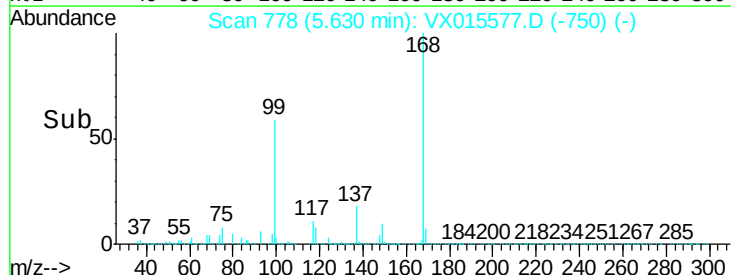
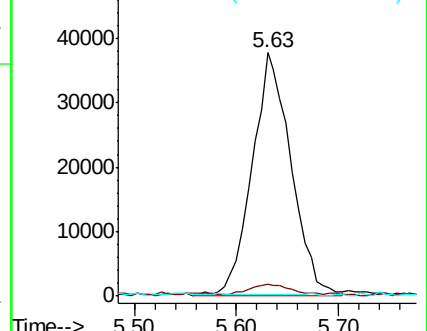
121 0.4 23.8 35.8#

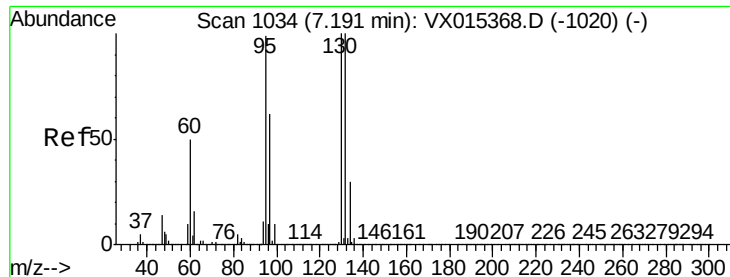


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 0.434 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

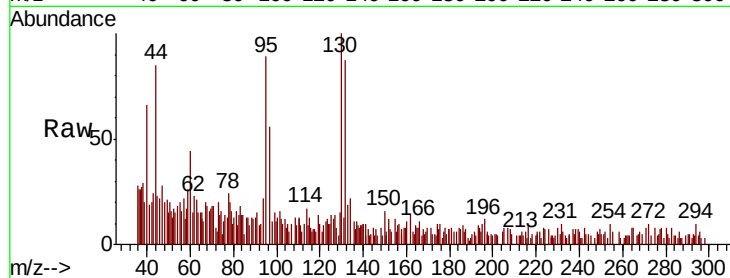
ST006MW008-200407

Tot Ion:130 Resp: 5353

Ion Ratio Lower Upper

130 100

95 92.5 0.0 199.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.19

2500

2000

1500

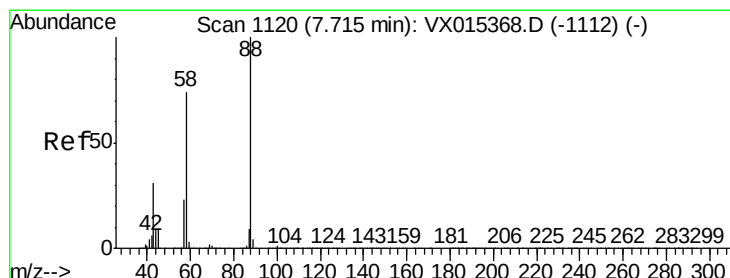
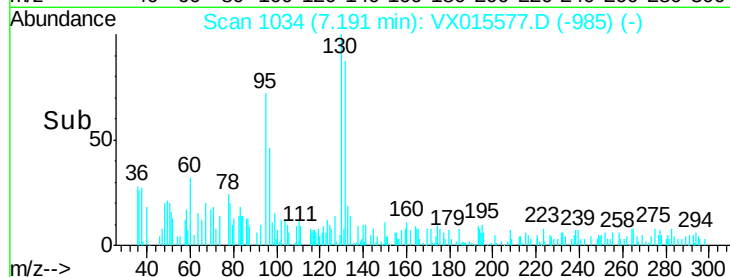
1000

500

0

7.15 7.20 7.25

Time-->



#49

1,4-Dioxane

Concen: 1.281 ug/l

RT: 7.72 min Scan# 1120

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

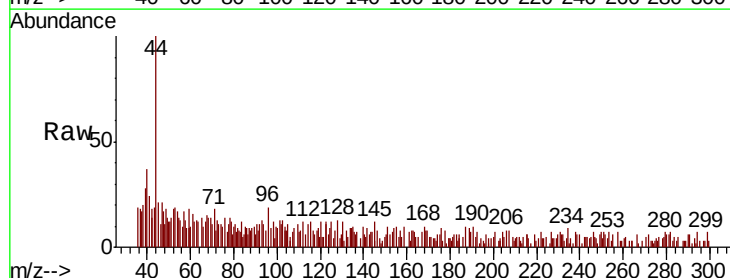
Tgt Ion: 88 Resp: 405

Ion Ratio Lower Upper

88 100

43 501.5 30.1 45.1#

58 272.3 60.6 90.8#



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1200

1000

800

600

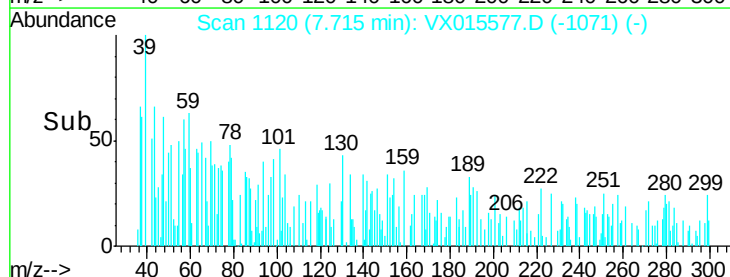
400

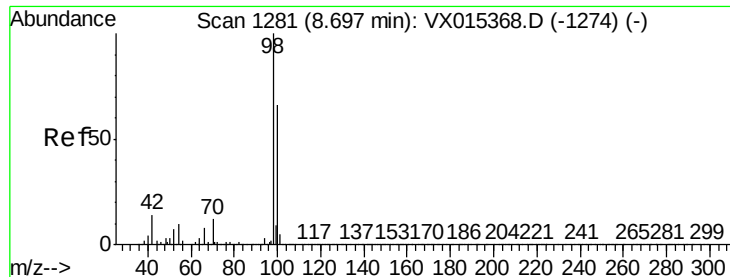
200

0

7.68 7.70 7.72 7.74

Time-->





#50

Toluene-d8

Concen: 51.193 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

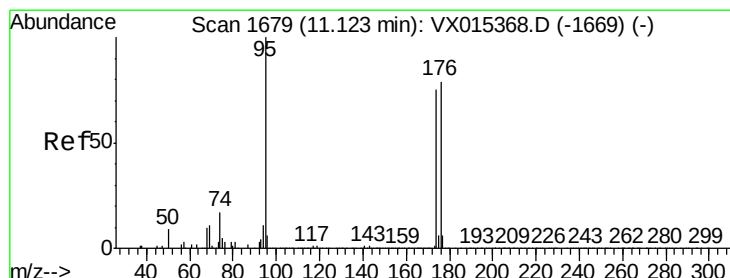
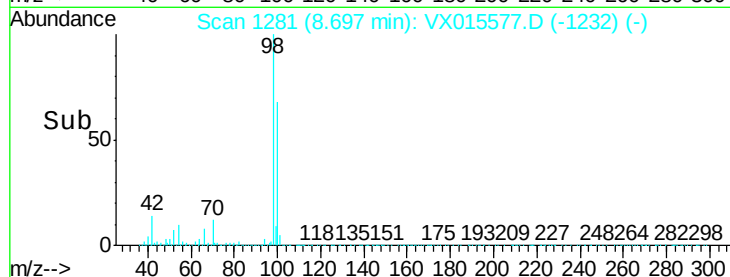
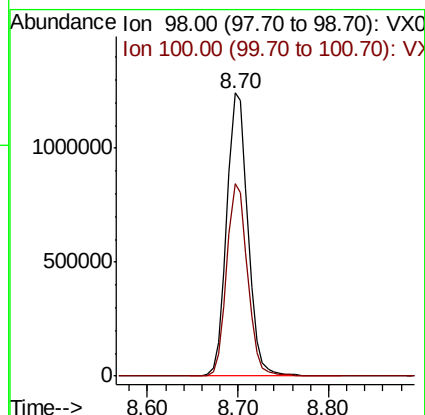
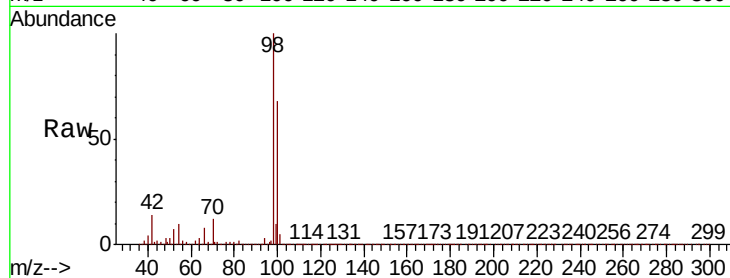
ST006MW008-200407

Tot Ion: 98 Resp: 2018420

Ion Ratio Lower Upper

98 100

100 67.2 53.5 80.3



#62

4-Bromofluorobenzene

Concen: 54.874 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

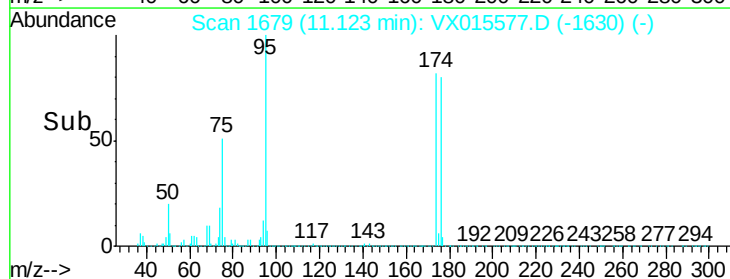
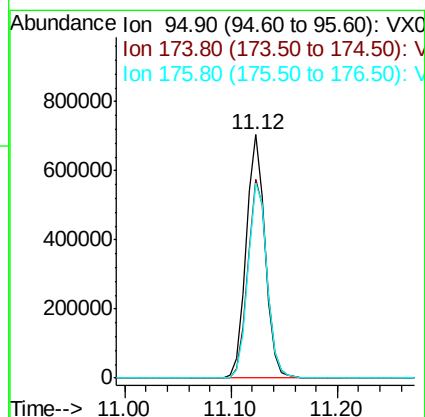
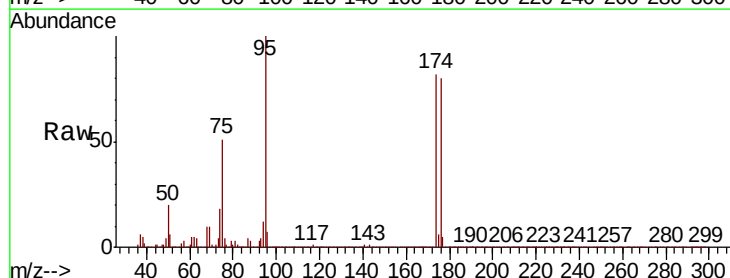
Tgt Ion: 95 Resp: 879278

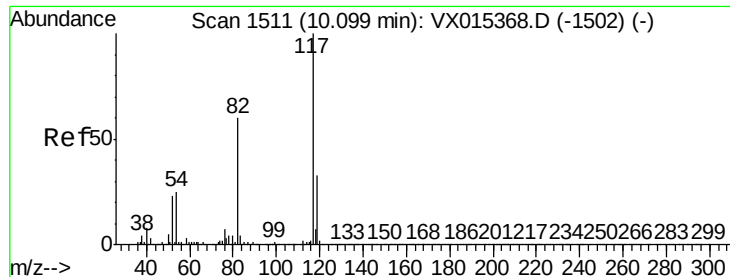
Ion Ratio Lower Upper

95 100

174 82.7 0.0 158.6

176 80.8 0.0 159.0

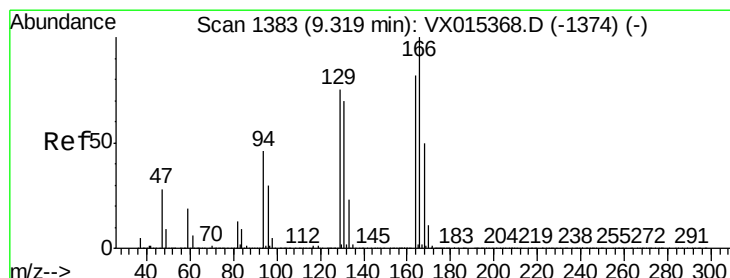
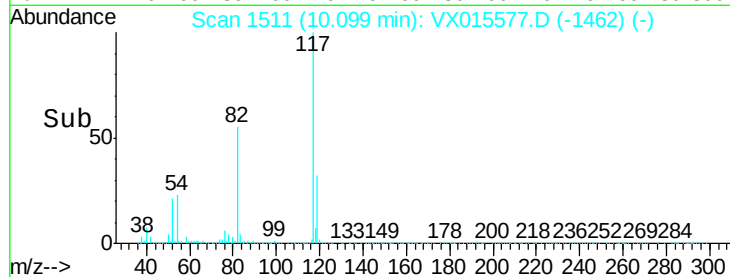
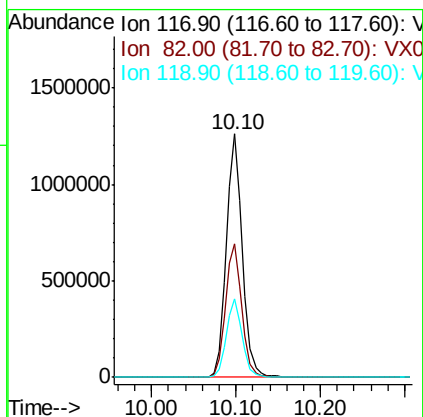
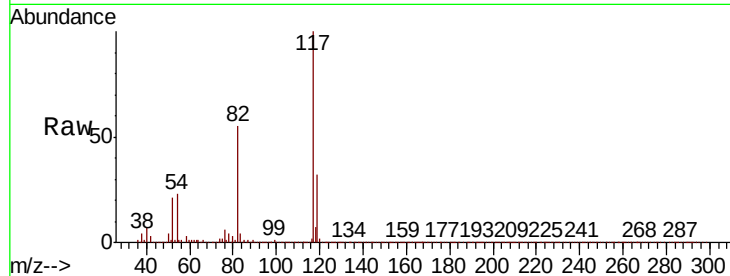




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015577.D
Acq: 08 Apr 2020 18:18

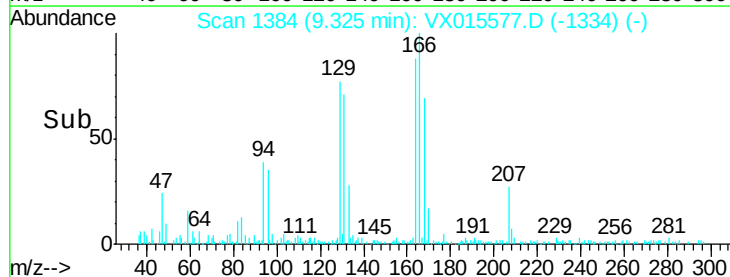
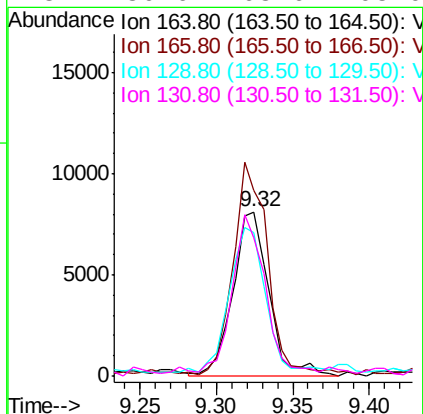
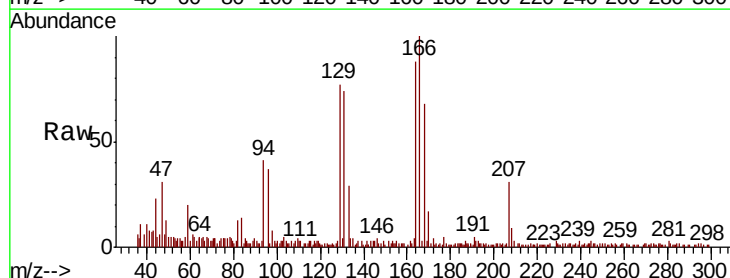
Instrument :
MSVOA_X
ClientSampleId :
ST006MW008-200407

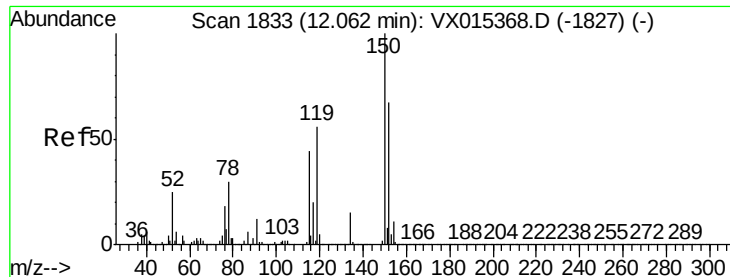
Tot Ion:117 Resp: 1647866
Ion Ratio Lower Upper
117 100
82 55.0 47.8 71.8
119 32.0 26.8 40.2



#64
Tetrachloroethene
Concen: 1.065 ug/l
RT: 9.32 min Scan# 1384
Delta R.T. 0.01 min
Lab File: VX015577.D
Acq: 08 Apr 2020 18:18

Tgt Ion:164 Resp: 13247
Ion Ratio Lower Upper
164 100
166 110.7 97.8 146.6
129 82.9 73.0 109.4
131 80.6 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: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-200407

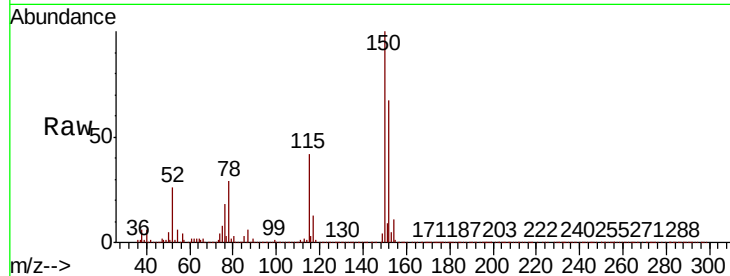
Tot Ion:152 Resp: 885251

Ion Ratio Lower Upper

152 100

115 58.7 39.0 116.9

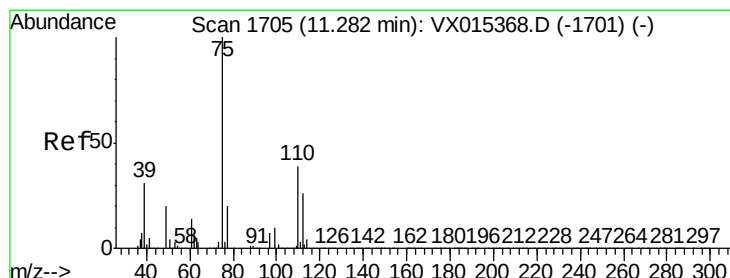
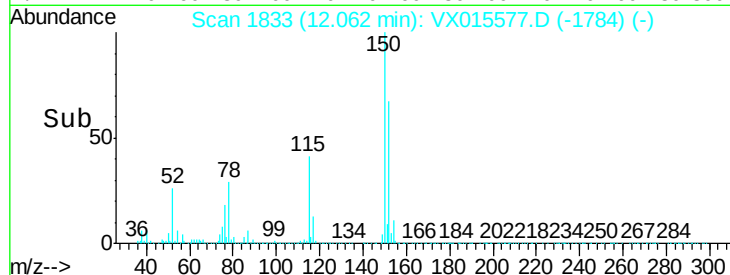
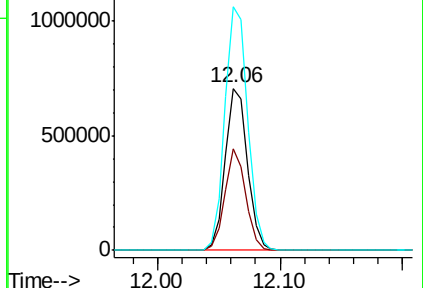
150 154.5 0.0 340.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 24.680 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015577.D

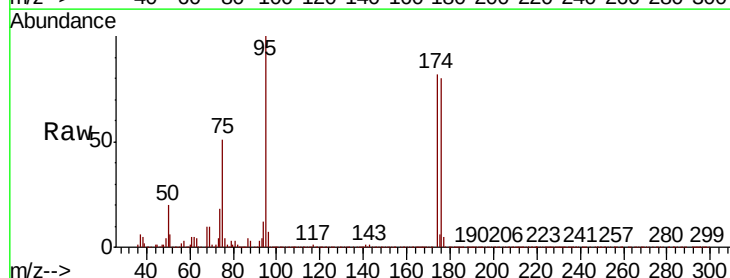
Acq: 08 Apr 2020 18:18

Tgt Ion: 75 Resp: 449283

Ion Ratio Lower Upper

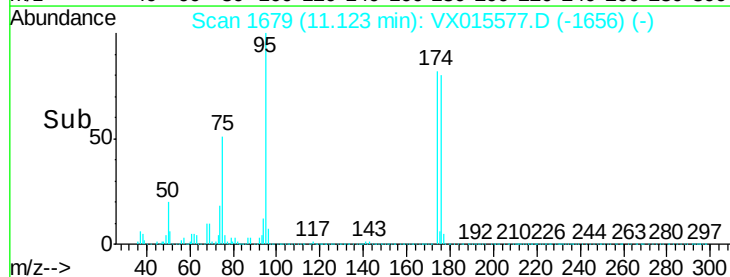
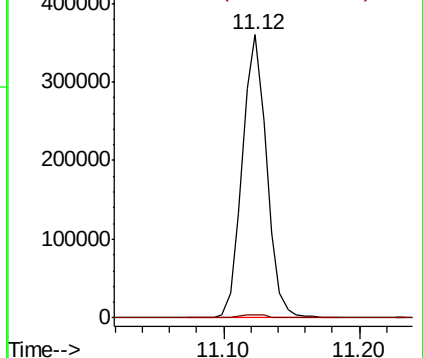
75 100

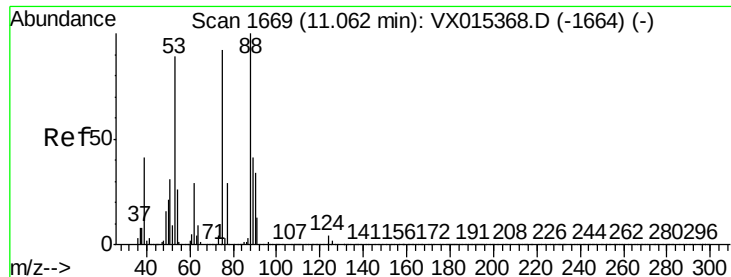
77 1.0 21.2 63.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 59.218 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015577.D

Acq: 08 Apr 2020 18:18

Instrument :

MSVOA_X

ClientSampleId :

ST006MW008-200407

Tot Ion: 75 Resp: 449283

Ion Ratio Lower Upper

75 100

53 0.1 80.1 120.1#

89 0.0 36.1 54.1#

