

Data File : VX015604.D
Acq On : 09 Apr 2020 18:15
Operator : JC/SP
Sample : L2190-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

Quant Time: Apr 10 04:50:44 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	1076018	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1689302	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1619111	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	889959	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	714640	47.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.18%	
35) Dibromofluoromethane	5.47	113	526586	48.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.52%	
50) Toluene-d8	8.70	98	2013295	50.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.28%	
62) 4-Bromofluorobenzene	11.12	95	857396	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	

Target Compounds

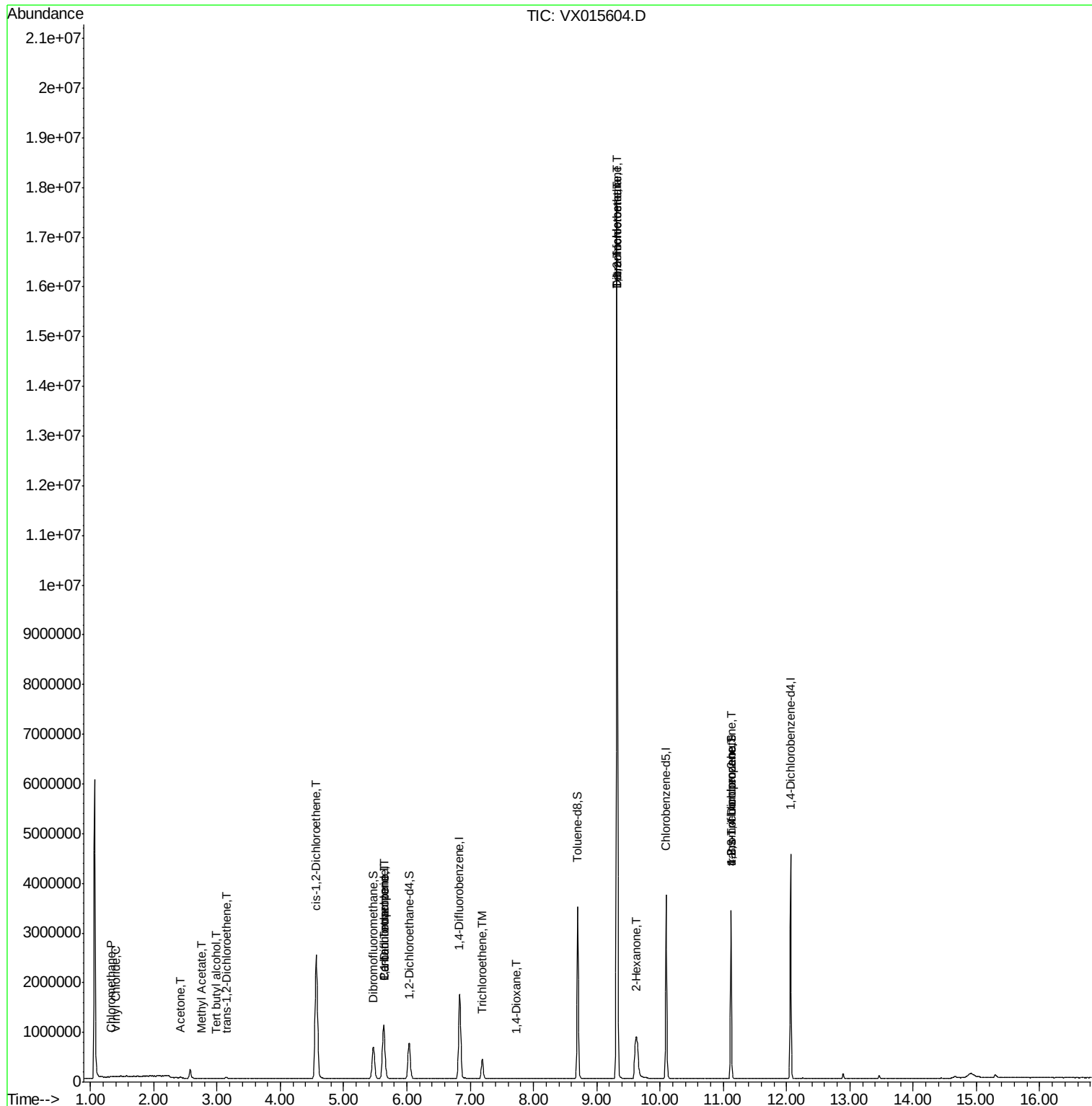
						Qvalue
3) Chloromethane	1.33	50	2753	0.228	ug/l #	83
4) Vinyl Chloride	1.39	62	3557	0.321	ug/l #	74
5) Bromomethane	1.61	94	2419	Below Cal	#	3
11) Tert butyl alcohol	3.00	59	1825	0.502	ug/l #	87
16) Acetone	2.42	43	28802	4.417	ug/l	94
18) Methyl Acetate	2.75	43	3556	0.214	ug/l #	73
21) trans-1,2-Dichloroethene	3.15	96	10207	0.905	ug/l	95
27) cis-1,2-Dichloroethene	4.57	96	1539740	118.044	ug/l	91
36) 1,1-Dichloropropene	5.63	75	79726	5.122	ug/l #	52
38) Carbon Tetrachloride	5.64	117	100608	5.968	ug/l #	15
44) Trichloroethene	7.19	130	148099	11.910	ug/l	97
49) 1,4-Dioxane	7.72	88	822	2.579	ug/l #	87
55) 1,1,2-Trichloroethane	9.32	97	30287	2.630	ug/l #	4
59) 2-Hexanone	9.62	43	401653	27.439	ug/l #	35
60) Dibromochloromethane	9.32	129	3165530	228.740	ug/l #	11
64) Tetrachloroethene	9.32	164	3441298	281.634	ug/l	97
76) 1,2,3-Trichloropropane	11.12	75	442144	24.159	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	442144	57.969	ug/l #	10

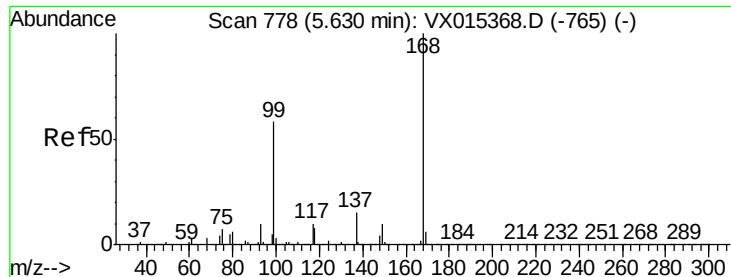
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.01 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

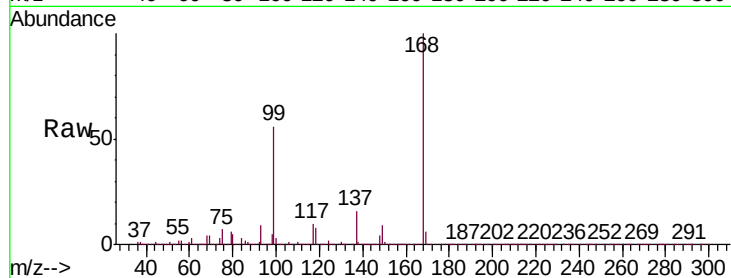
ST008MW167-200406

Tgt Ion:168 Resp: 1076018

Ion Ratio Lower Upper

168 100

99 55.8 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

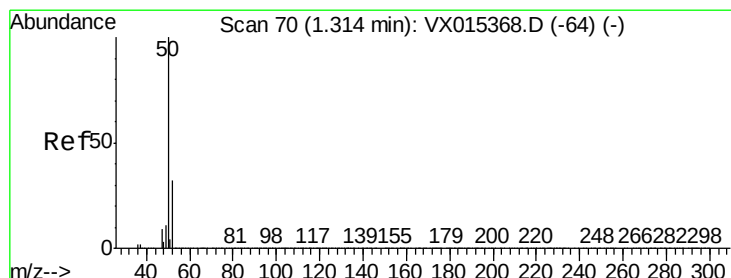
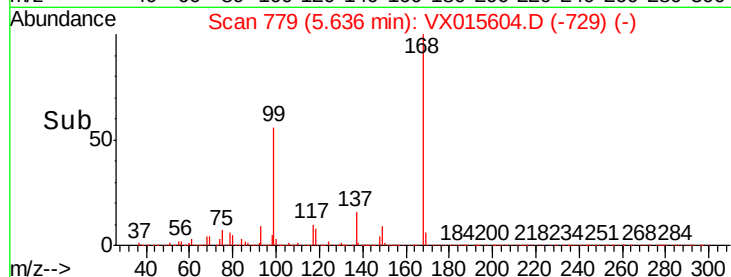
5.50

5.60

5.70

5.80

Time-->



#3

Chloromethane

Concen: 0.228 ug/l

RT: 1.33 min Scan# 72

Delta R.T. 0.01 min

Lab File: VX015604.D

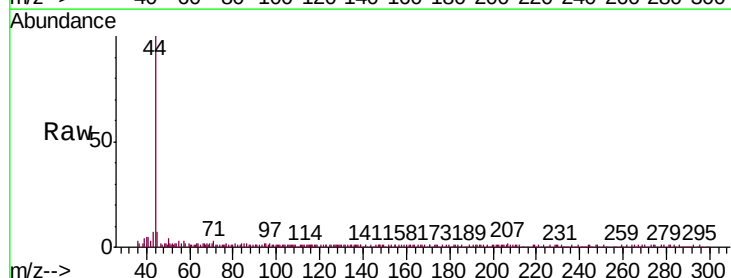
Acq: 09 Apr 2020 18:15

Tgt Ion: 50 Resp: 2753

Ion Ratio Lower Upper

50 100

52 22.3 25.3 37.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

2000

1500

1000

500

0

1.28

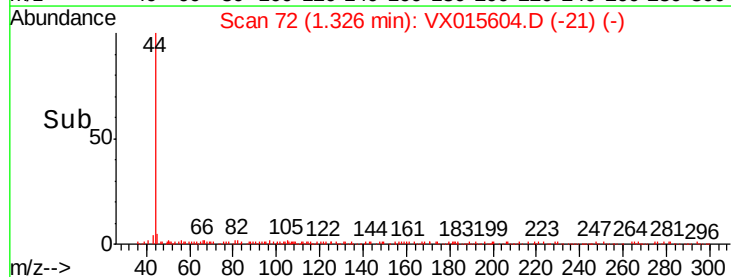
1.30

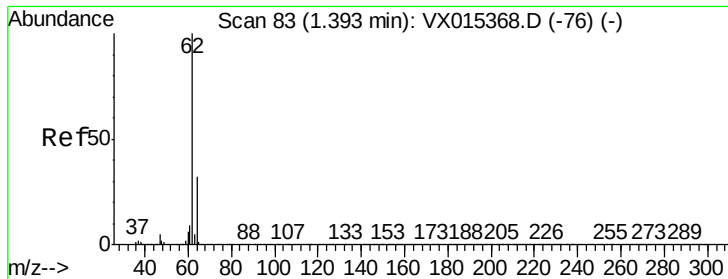
1.32

1.34

1.36

Time-->





#4

Vinyl Chloride

Concen: 0.321 ug/l

RT: 1.39 min Scan# 83

Delta R.T. 0.00 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

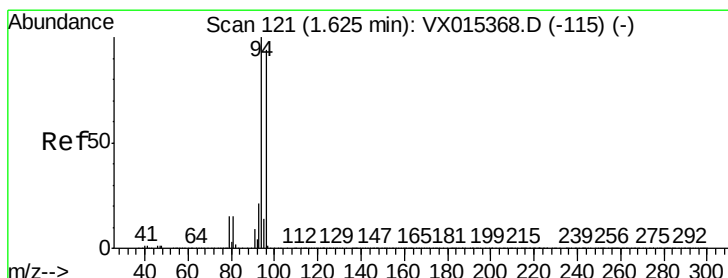
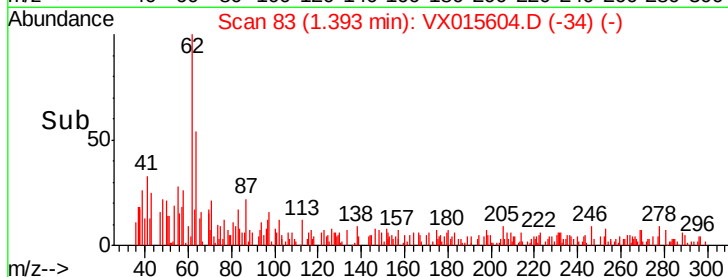
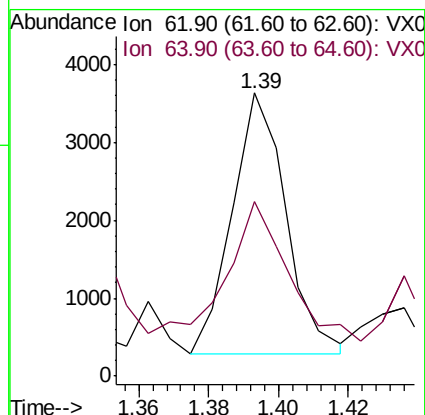
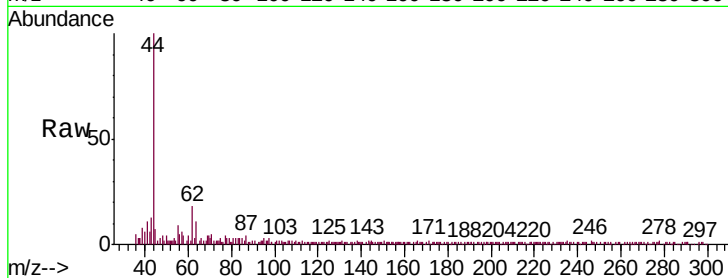
ST008MW167-200406

Tgt Ion: 62 Resp: 3557

Ion Ratio Lower Upper

62 100

64 47.1 26.0 39.0#



#5

Bromomethane

Concen: Below Cal

RT: 1.61 min Scan# 118

Delta R.T. -0.02 min

Lab File: VX015604.D

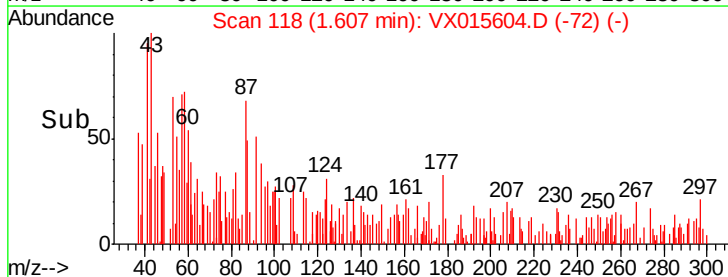
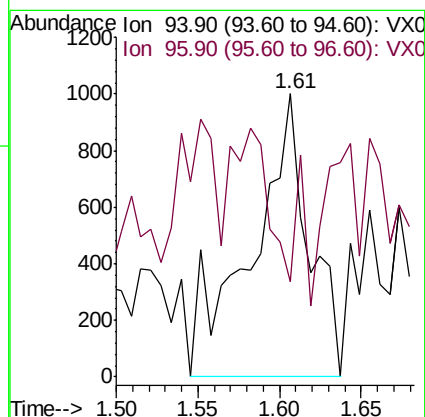
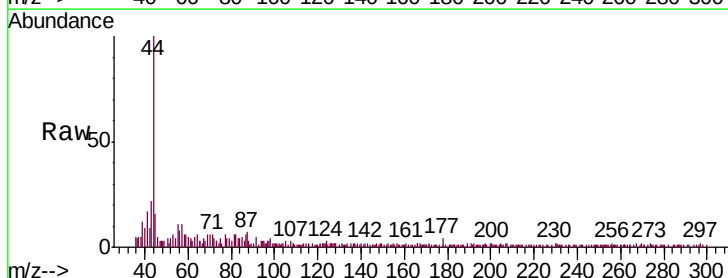
Acq: 09 Apr 2020 18:15

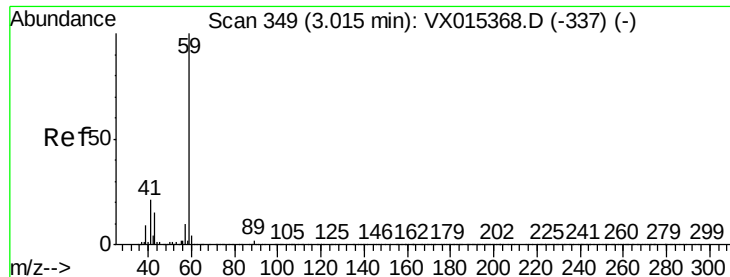
Tgt Ion: 94 Resp: 2419

Ion Ratio Lower Upper

94 100

96 0.0 74.8 112.2#

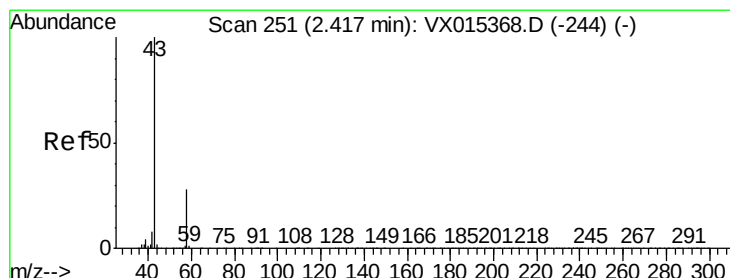
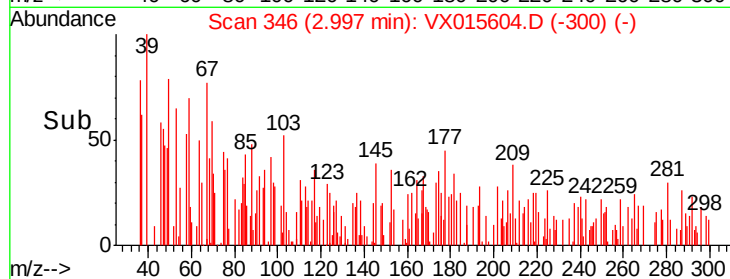
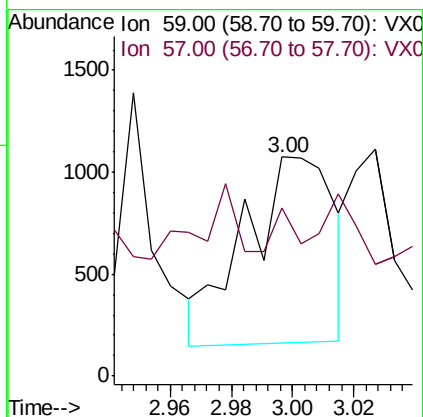
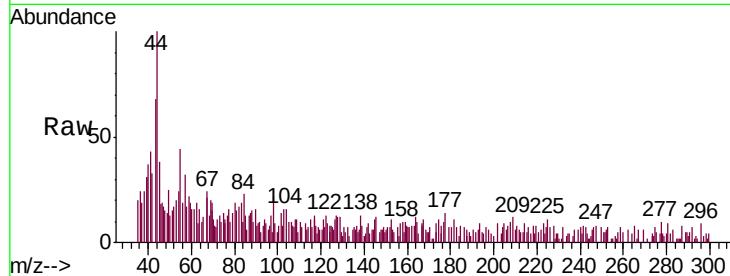




#11
Tert butyl alcohol
Concen: 0.502 ug/l
RT: 3.00 min Scan# 346
Delta R.T. -0.02 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

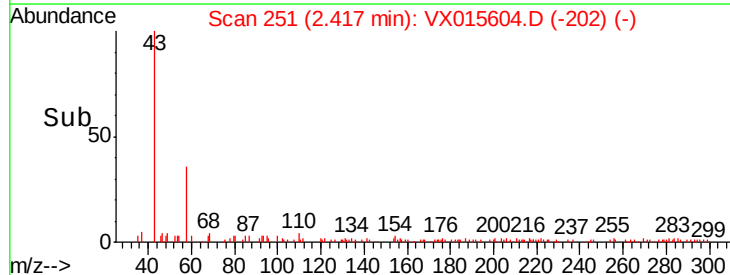
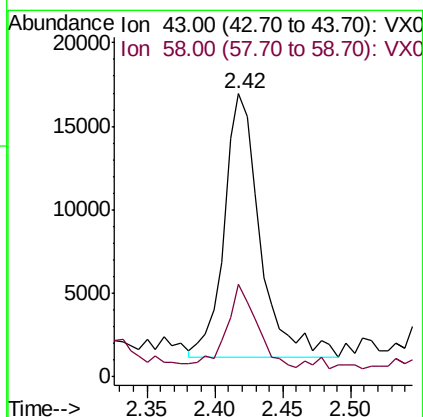
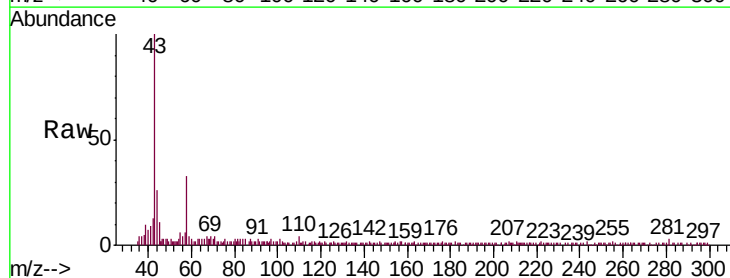
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

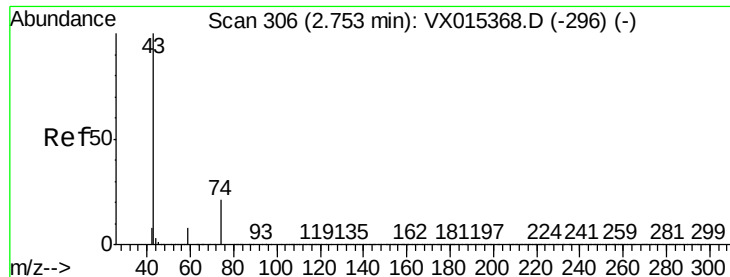
Tgt Ion: 59 Resp: 1825
Ion Ratio Lower Upper
59 100
57 5.1 8.1 12.1#



#16
Acetone
Concen: 4.417 ug/l
RT: 2.42 min Scan# 251
Delta R.T. 0.00 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Tgt Ion: 43 Resp: 28802
Ion Ratio Lower Upper
43 100
58 30.7 22.1 33.1

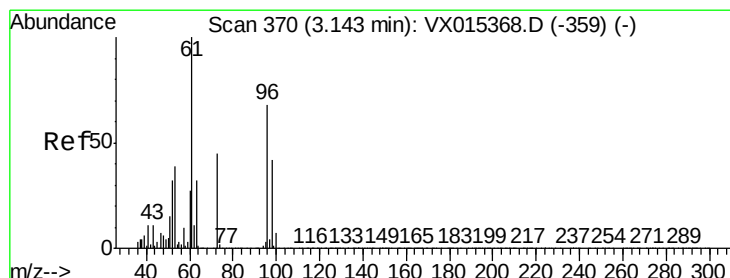
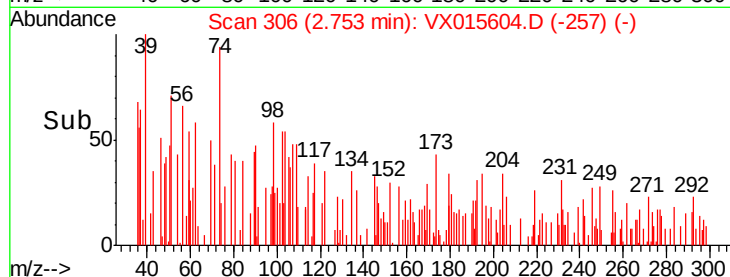
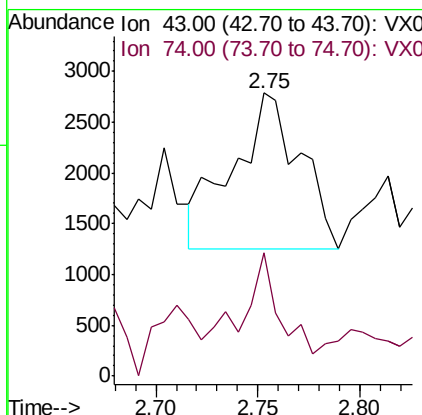
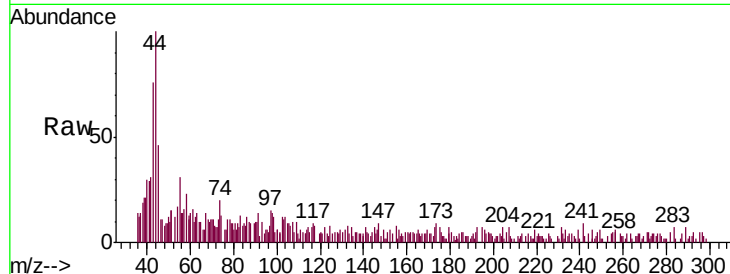




#18
Methyl Acetate
Concen: 0.214 ug/l
RT: 2.75 min Scan# 306
Delta R.T. 0.00 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

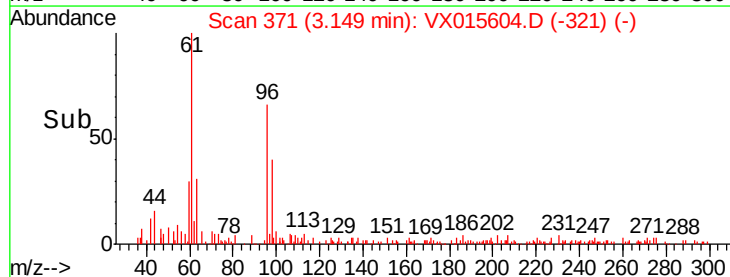
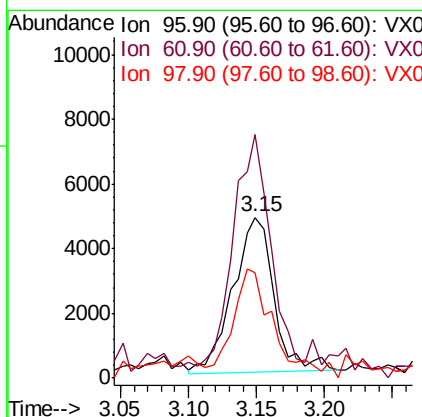
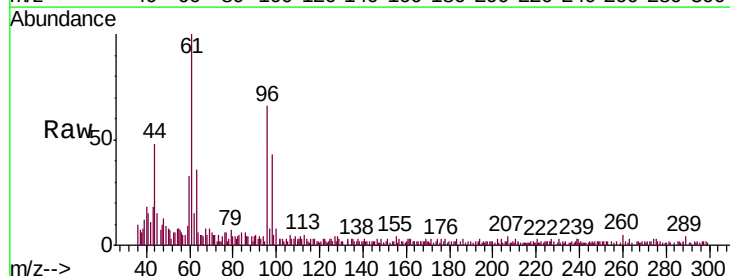
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

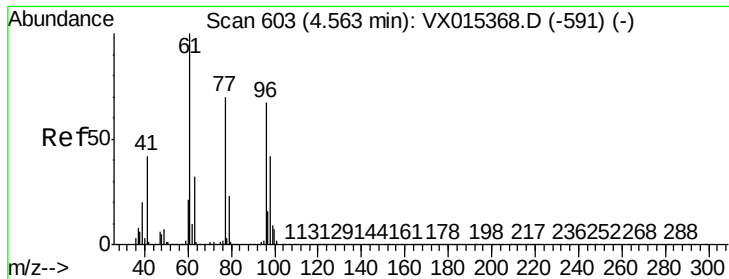
Tgt Ion: 43 Resp: 3556
Ion Ratio Lower Upper
43 100
74 32.9 16.5 24.7#



#21
trans-1,2-Dichloroethene
Concen: 0.905 ug/l
RT: 3.15 min Scan# 371
Delta R.T. 0.01 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Tgt Ion: 96 Resp: 10207
Ion Ratio Lower Upper
96 100
61 149.3 116.9 175.3
98 69.0 48.6 73.0



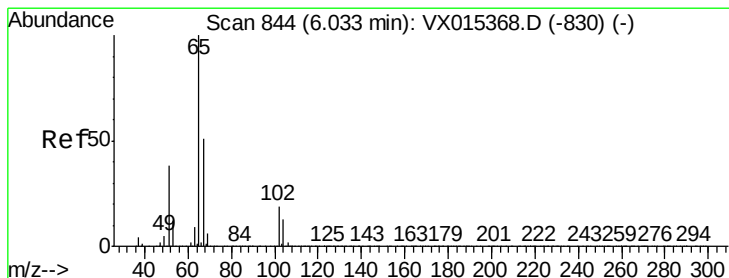
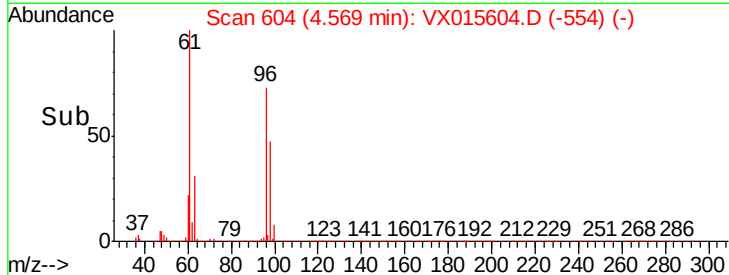
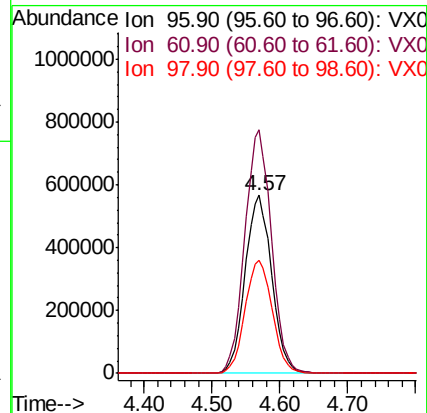
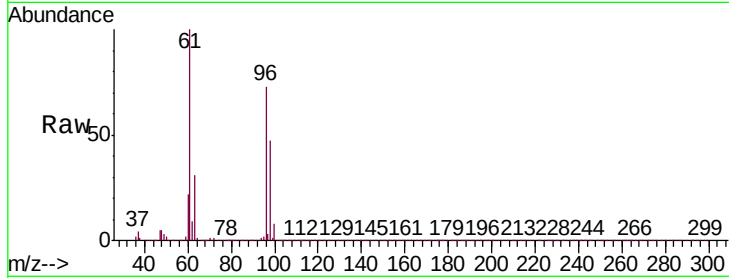


#27

cis-1,2-Dichloroethene
Concen: 118.044 ug/l
RT: 4.57 min Scan# 604
Delta R.T. 0.01 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

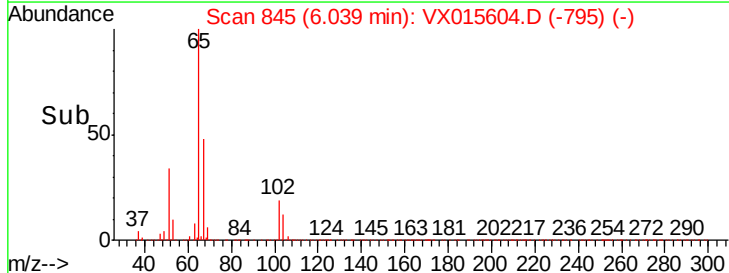
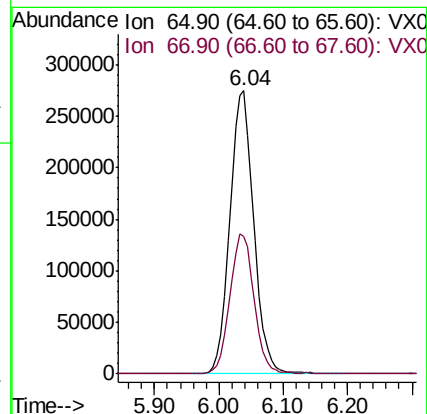
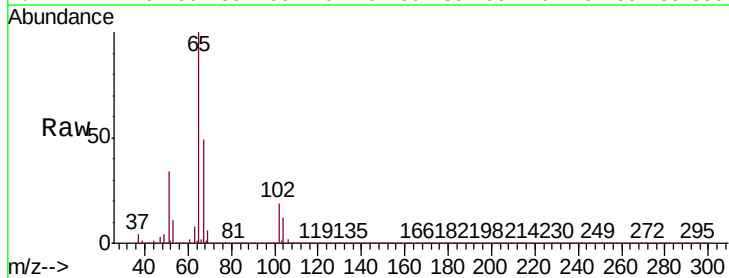
Tgt Ion: 96 Resp: 1539740
Ion Ratio Lower Upper
96 100
61 137.2 0.0 308.4
98 64.6 0.0 129.2

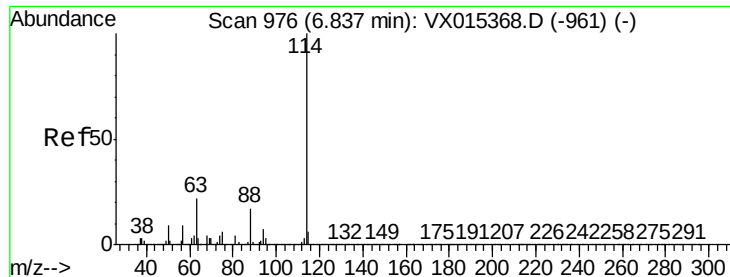


#33

1,2-Dichloroethane-d4
Concen: 47.090 ug/l
RT: 6.04 min Scan# 845
Delta R.T. 0.01 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Tgt Ion: 65 Resp: 714640
Ion Ratio Lower Upper
65 100
67 50.0 0.0 102.6

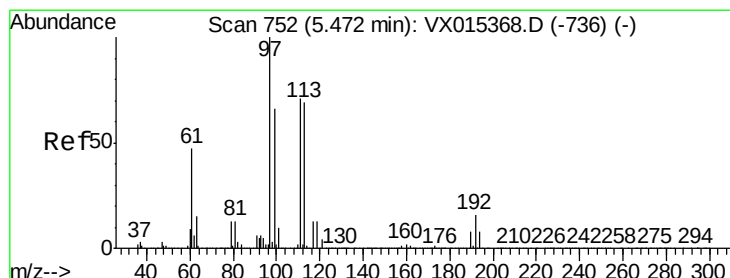
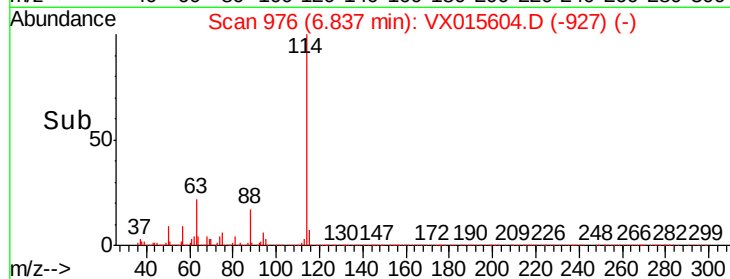
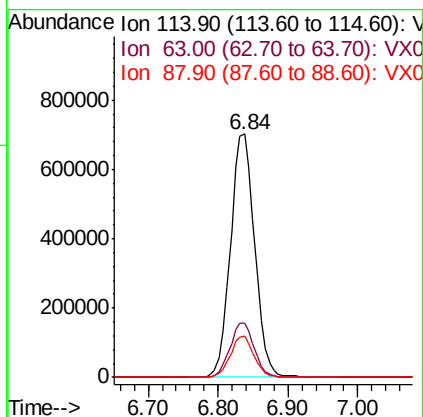
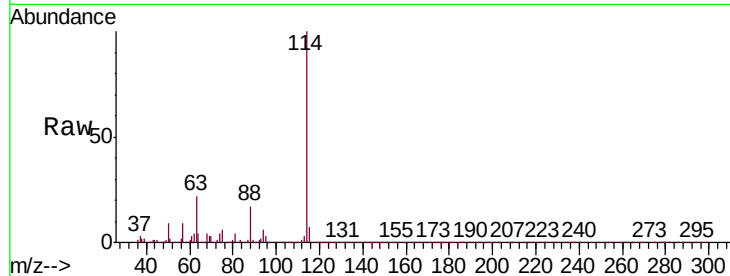




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 976
 Delta R.T. 0.00 min
 Lab File: VX015604.D
 Acq: 09 Apr 2020 18:15

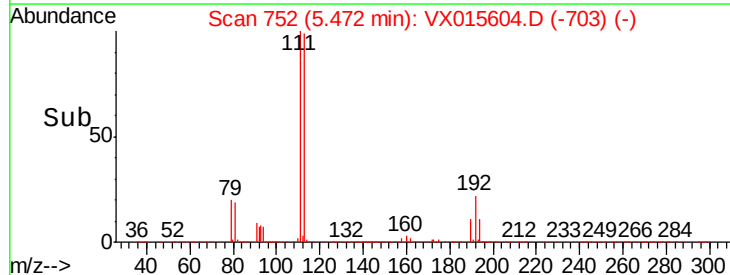
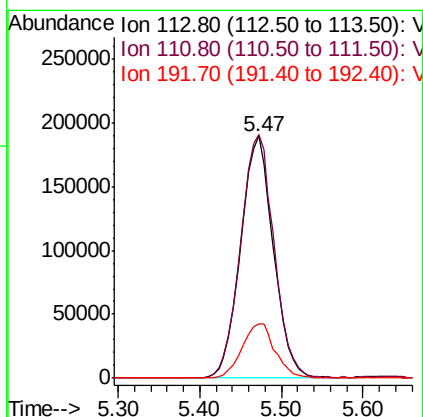
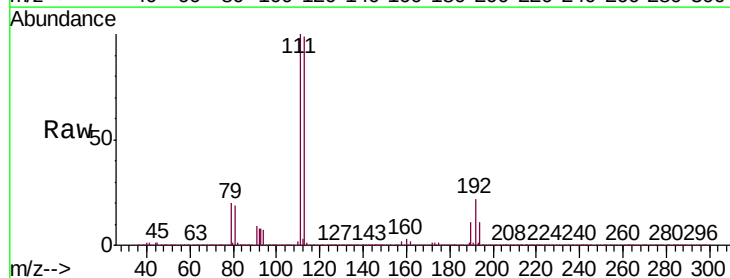
Instrument :
 MSVOA_X
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 ST008MW167-200406

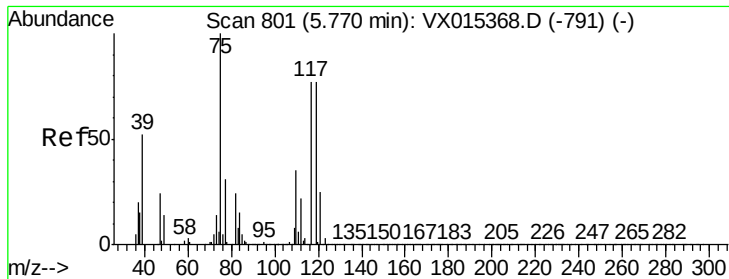
Tgt Ion:114 Resp: 1689302
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 44.2
 88 16.8 0.0 33.8



#35
 Dibromofluoromethane
 Concen: 48.765 ug/l
 RT: 5.47 min Scan# 752
 Delta R.T. 0.00 min
 Lab File: VX015604.D
 Acq: 09 Apr 2020 18:15

Tgt Ion:113 Resp: 526586
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.5 122.3
 192 22.7 17.8 26.6





#36

1,1-Dichloropropene

Concen: 5.122 ug/l

RT: 5.63 min Scan# 778

Delta R.T. -0.14 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-200406

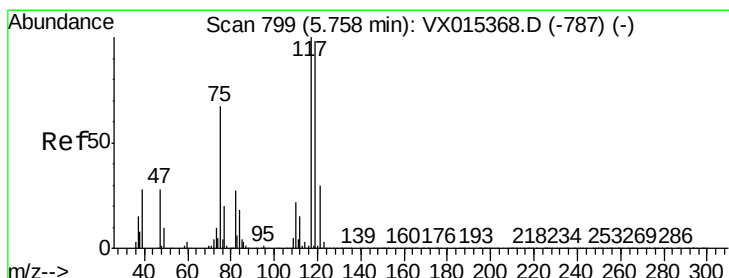
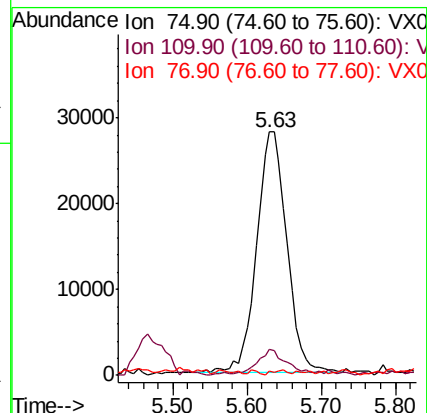
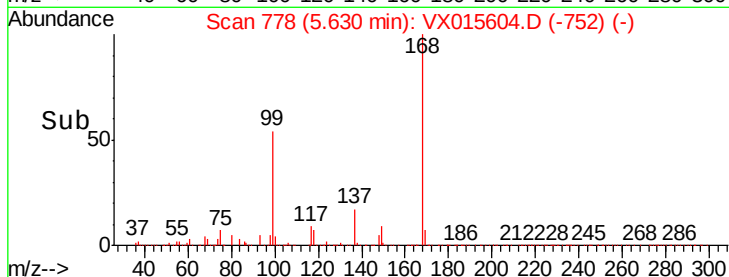
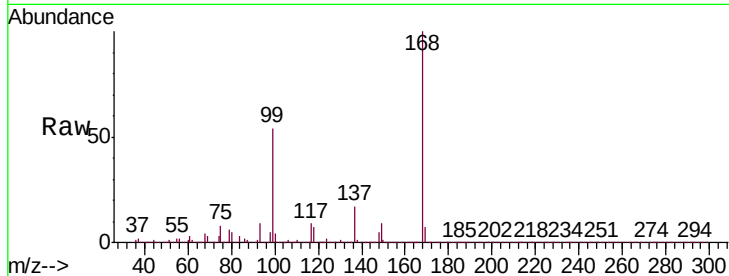
Tgt Ion: 75 Resp: 79726

Ion Ratio Lower Upper

75 100

110 10.0 17.1 51.3#

77 1.1 24.6 36.8#



#38

Carbon Tetrachloride

Concen: 5.968 ug/l

RT: 5.64 min Scan# 779

Delta R.T. -0.12 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

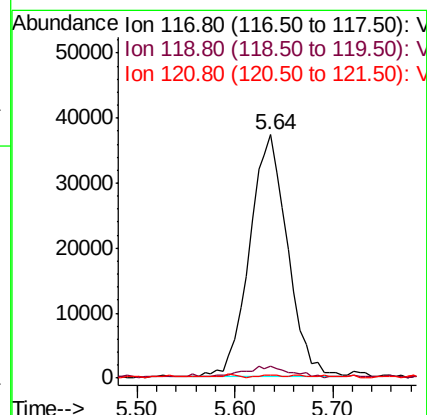
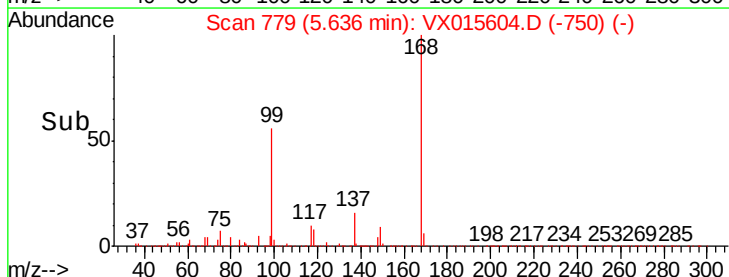
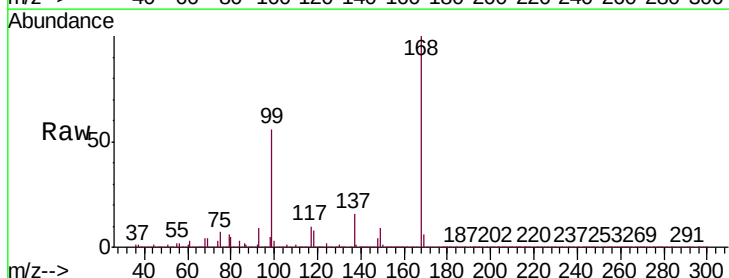
Tgt Ion: 117 Resp: 100608

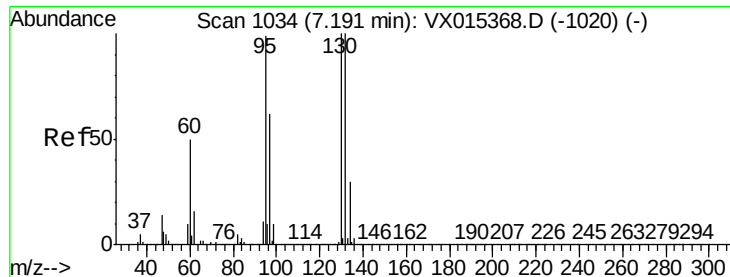
Ion Ratio Lower Upper

117 100

119 4.3 78.0 117.0#

121 0.4 23.8 35.8#





#44

Trichloroethene

Concen: 11.910 ug/l

RT: 7.19 min Scan# 1034

Delta R.T. 0.00 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

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MSVOA_X

ClientSampleId :

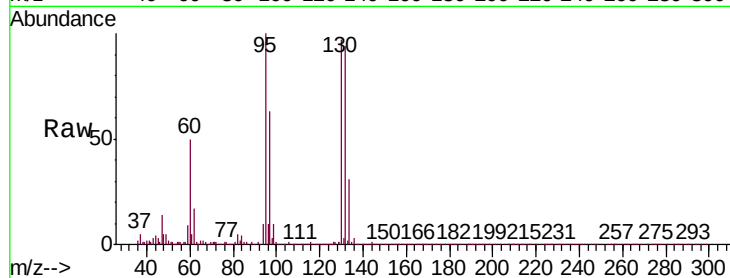
ST008MW167-200406

Tgt Ion:130 Resp: 148099

Ion Ratio Lower Upper

130 100

95 102.8 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

80000

60000

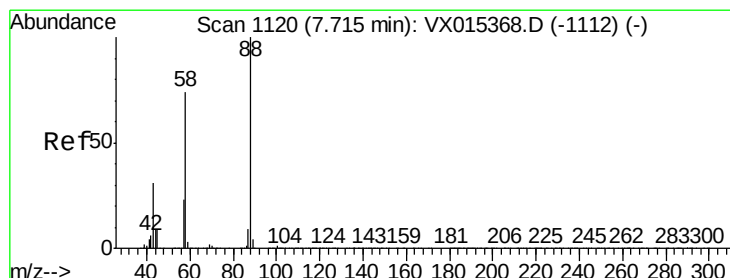
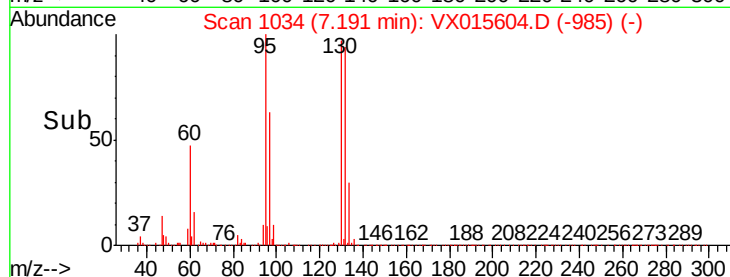
40000

20000

0

7.10 7.20 7.30

Time-->



#49

1,4-Dioxane

Concen: 2.579 ug/l

RT: 7.72 min Scan# 1121

Delta R.T. 0.01 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

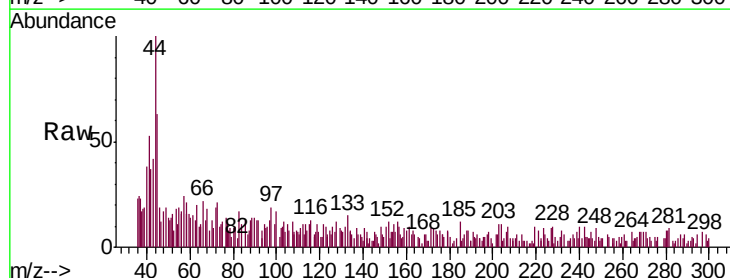
Tgt Ion: 88 Resp: 822

Ion Ratio Lower Upper

88 100

43 18.6 30.1 45.1#

58 78.7 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

2000

1500

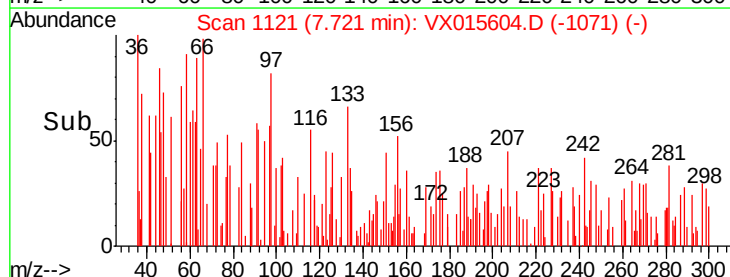
1000

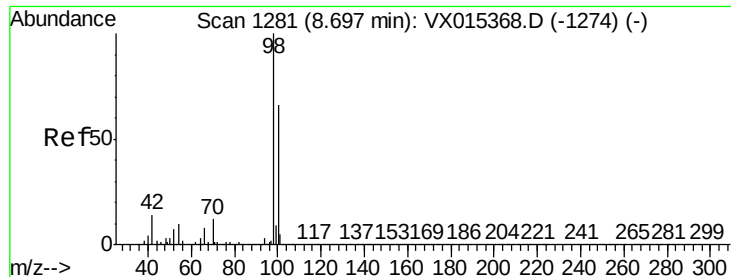
500

0

7.70 7.72

Time-->

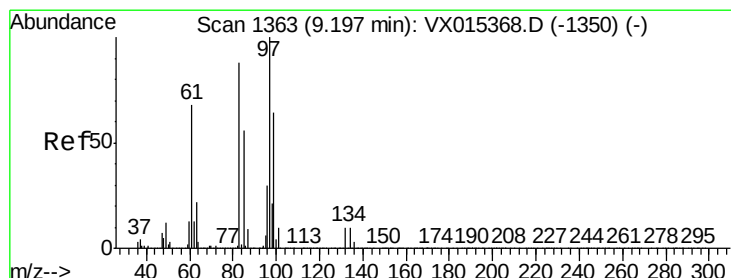
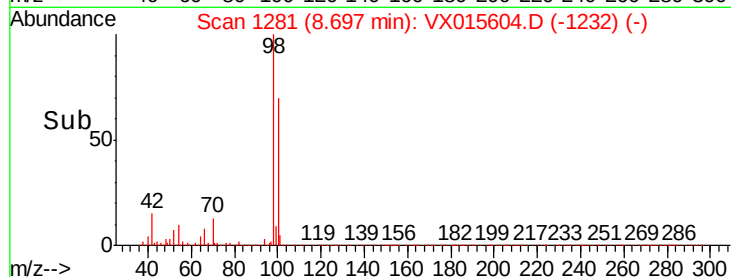
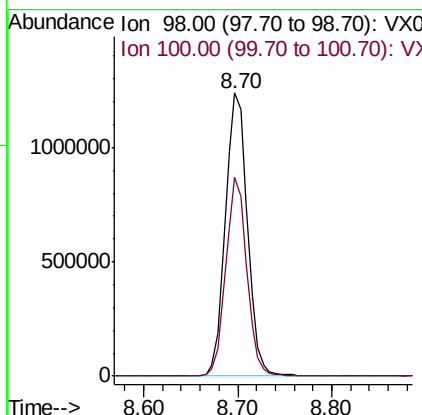
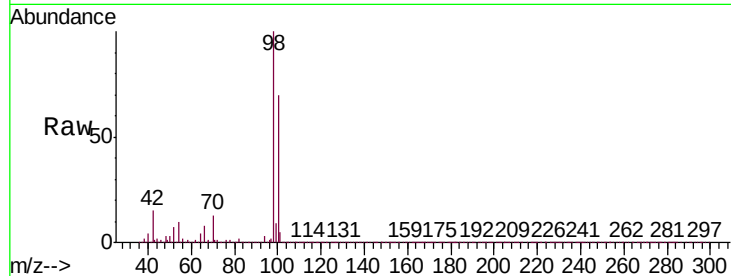




#50
Toluene-d8
Concen: 50.640 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

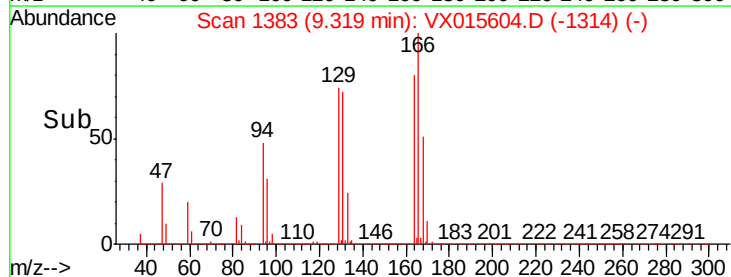
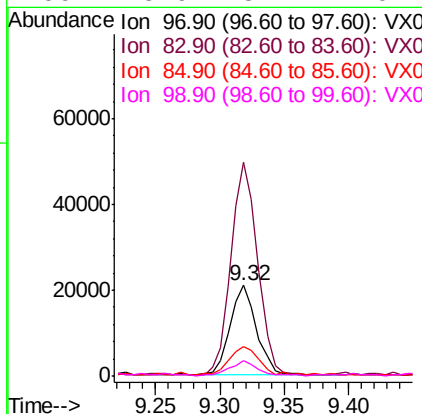
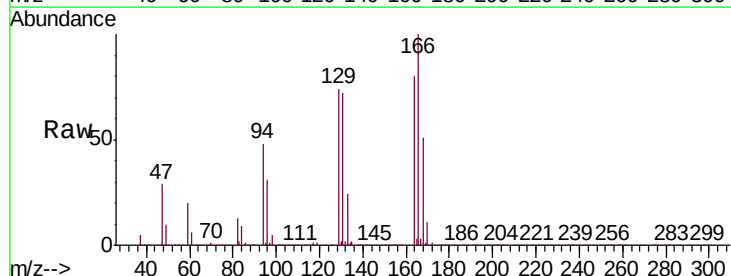
Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

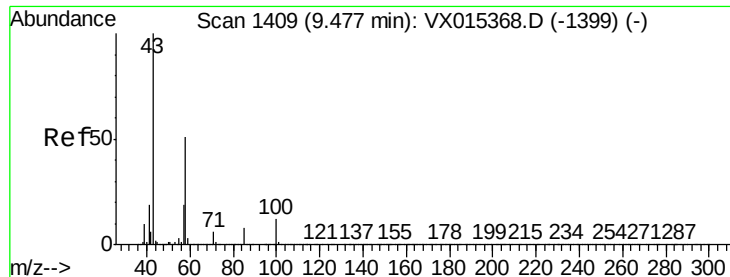
Tgt Ion: 98 Resp: 2013295
Ion Ratio Lower Upper
98 100
100 67.1 53.5 80.3



#55
1,1,2-Trichloroethane
Concen: 2.630 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.12 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Tgt Ion: 97 Resp: 30287
Ion Ratio Lower Upper
97 100
83 238.2 70.2 105.4#
85 32.7 44.7 67.1#
99 15.9 51.1 76.7#





#59

2-Hexanone

Concen: 27.439 ug/l

RT: 9.62 min Scan# 1433

Delta R.T. 0.15 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

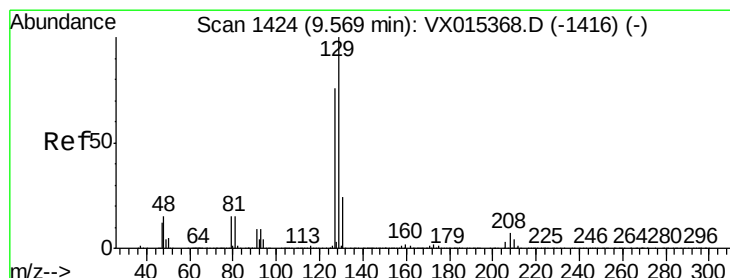
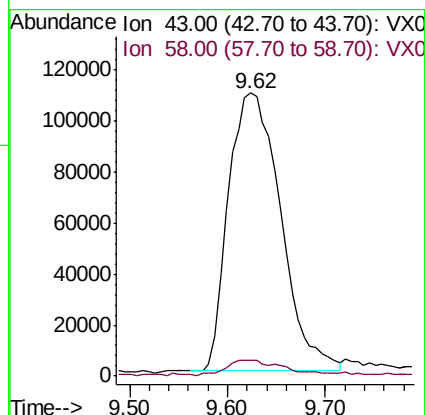
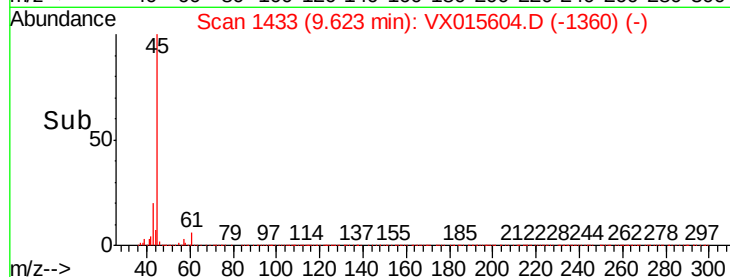
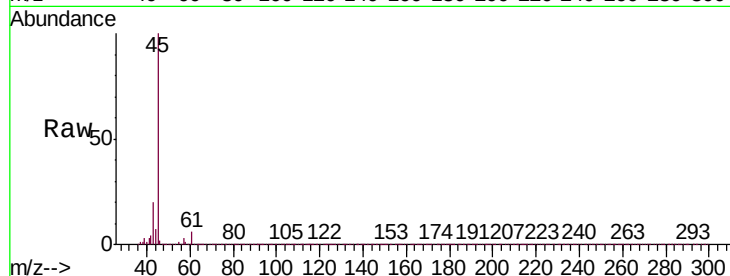
ST008MW167-200406

Tgt Ion: 43 Resp: 401653

Ion Ratio Lower Upper

43 100

58 5.9 25.6 76.6#



#60

Dibromochloromethane

Concen: 228.740 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.25 min

Lab File: VX015604.D

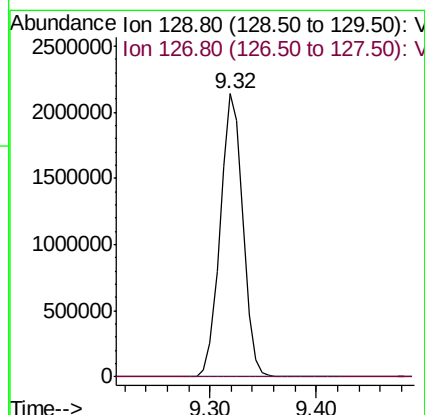
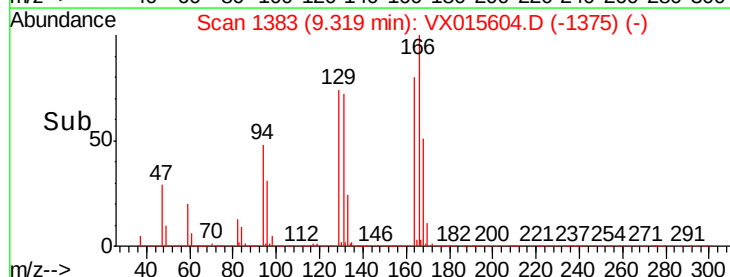
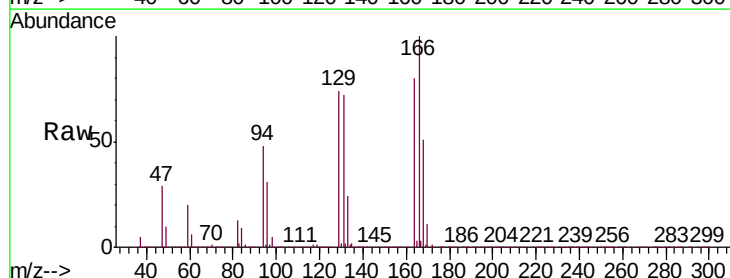
Acq: 09 Apr 2020 18:15

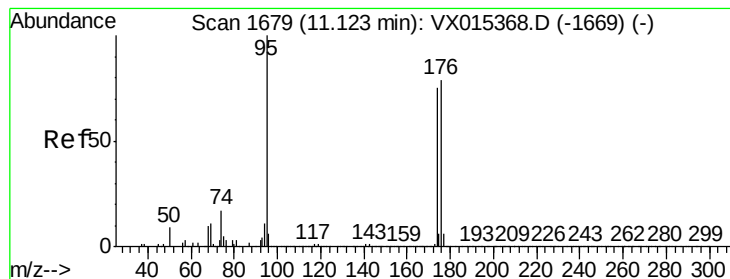
Tgt Ion: 129 Resp: 3165530

Ion Ratio Lower Upper

129 100

127 0.1 38.2 114.6#





#62

4-Bromofluorobenzene

Concen: 53.065 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

ST008MW167-200406

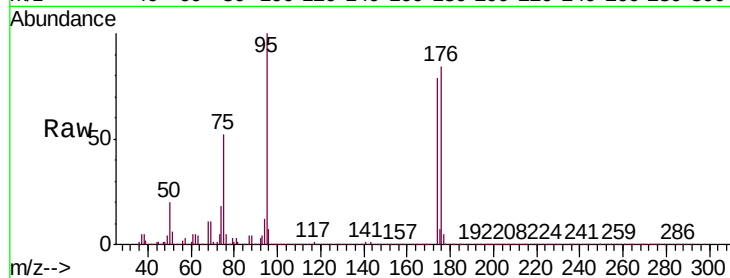
Tgt Ion: 95 Resp: 857396

Ion Ratio Lower Upper

95 100

174 81.6 0.0 158.6

176 83.7 0.0 159.0

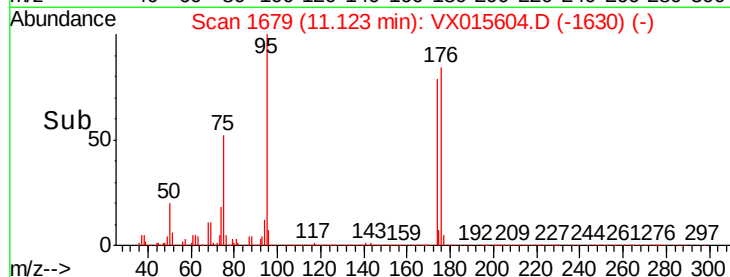


Abundance Ion 94.90 (94.60 to 95.60): VX015604.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015604.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015604.D (-1669) (-)

Time-->

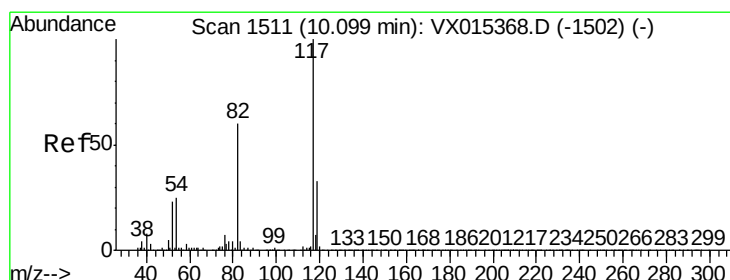


Abundance Ion 94.90 (94.60 to 95.60): VX015604.D (-1669) (-)

Ion 173.80 (173.50 to 174.50): VX015604.D (-1669) (-)

Ion 175.80 (175.50 to 176.50): VX015604.D (-1669) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

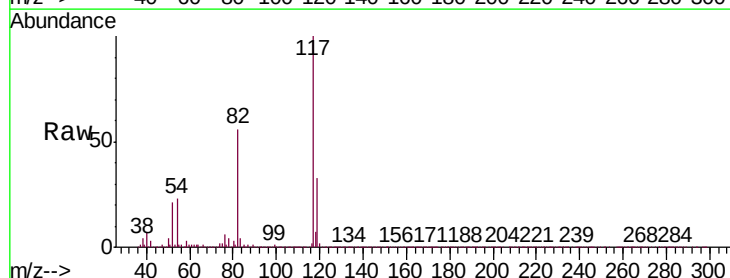
Tgt Ion: 117 Resp: 1619111

Ion Ratio Lower Upper

117 100

82 55.7 47.8 71.8

119 33.2 26.8 40.2

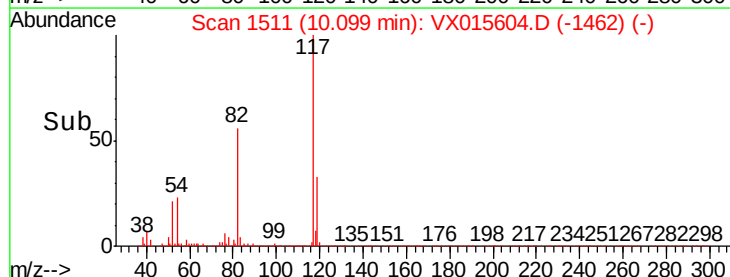


Abundance Ion 116.90 (116.60 to 117.60): VX015604.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015604.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015604.D (-1462) (-)

Time-->

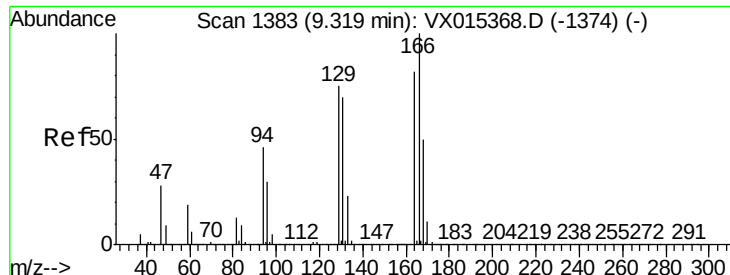


Abundance Ion 116.90 (116.60 to 117.60): VX015604.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX015604.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX015604.D (-1462) (-)

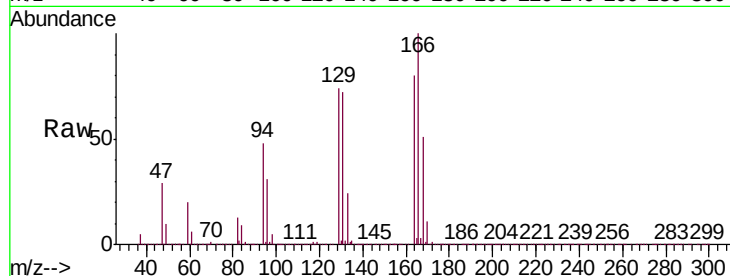
Time-->



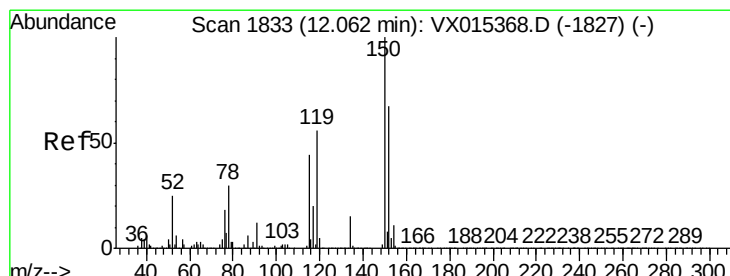
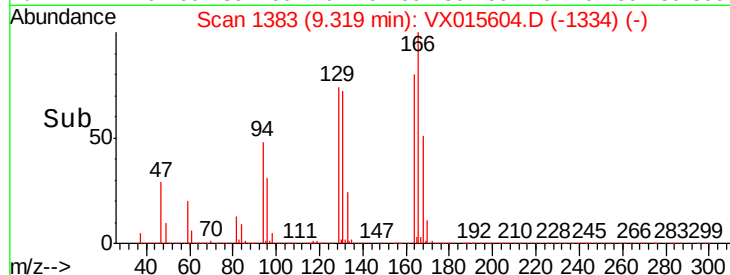
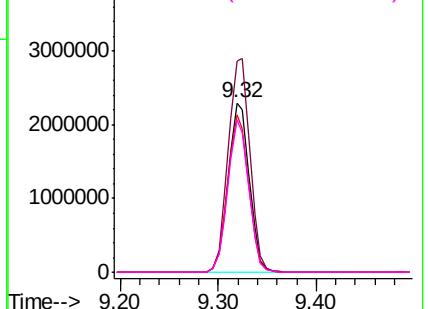
#64
Tetrachloroethene
Concen: 281.634 ug/l
RT: 9.32 min Scan# 1383
Delta R.T. 0.00 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Instrument :
MSVOA_X
ClientSampleId :
ST008MW167-200406

Tgt Ion:164 Resp: 3441298
Ion Ratio Lower Upper
164 100
166 125.1 97.8 146.6
129 93.2 73.0 109.4
131 90.4 68.6 103.0

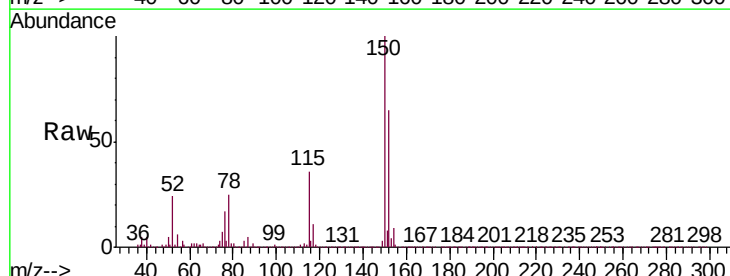


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

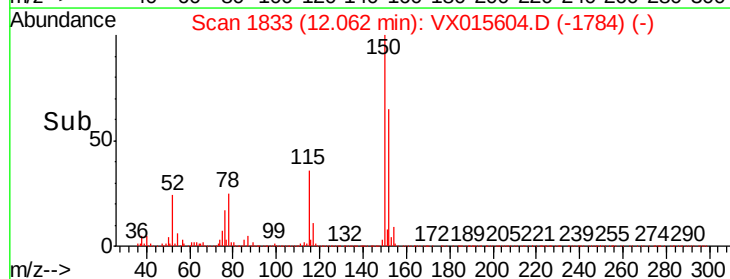
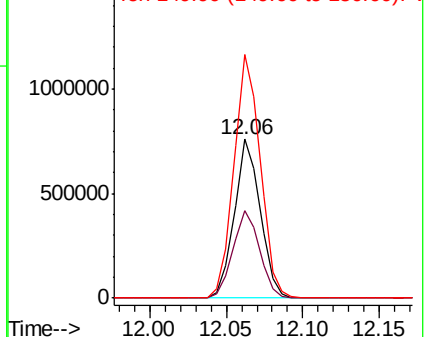


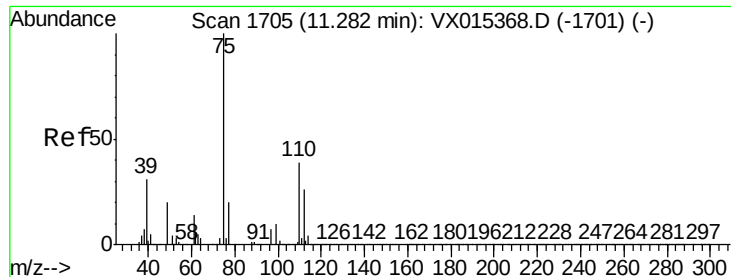
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015604.D
Acq: 09 Apr 2020 18:15

Tgt Ion:152 Resp: 889959
Ion Ratio Lower Upper
152 100
115 56.8 39.0 116.9
150 155.8 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: 24.159 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. -0.16 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Instrument :

MSVOA_X

ClientSampleId :

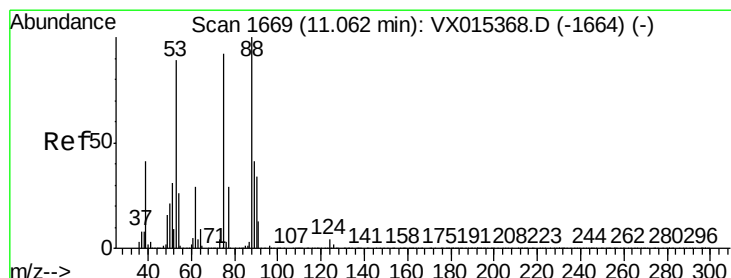
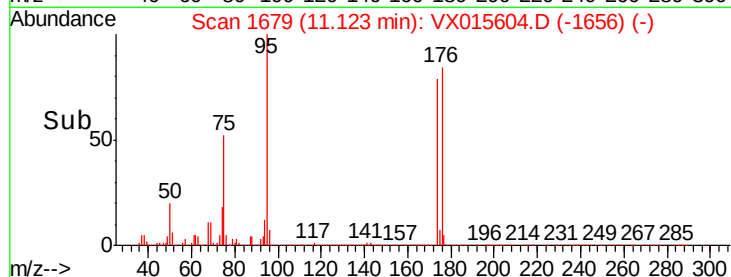
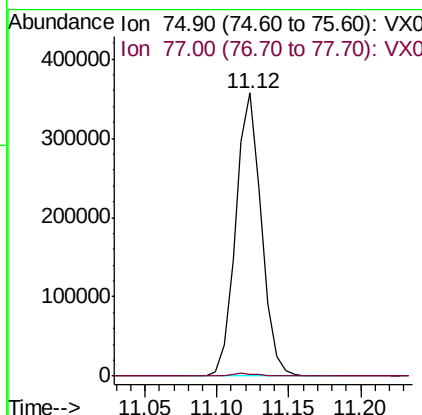
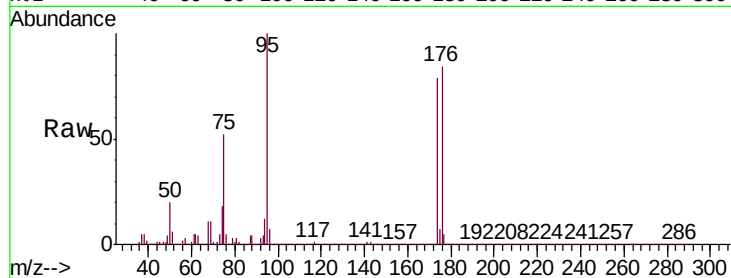
ST008MW167-200406

Tgt Ion: 75 Resp: 442144

Ion Ratio Lower Upper

75 100

77 0.9 21.2 63.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 57.969 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.06 min

Lab File: VX015604.D

Acq: 09 Apr 2020 18:15

Tgt Ion: 75 Resp: 442144

Ion Ratio Lower Upper

75 100

53 0.0 80.1 120.1#

89 0.0 36.1 54.1#

