

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX011019\
 Data File : VX006985.D
 Acq On : 10 Jan 2019 13:08
 Operator : JC/MD
 Sample : K1098-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S32-TB-2019-2

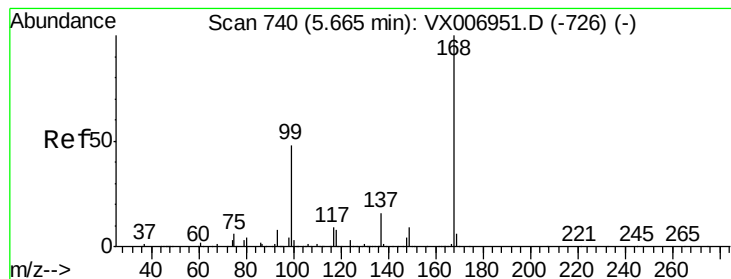
Quant Time: Jan 11 07:11:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X010819W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 08 14:06:59 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	631812	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	977363	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	893138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	430064	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	336782	51.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.00%	
35) Dibromofluoromethane	5.51	113	301285	48.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.28%	
50) Toluene-d8	8.71	98	1149666	50.18	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.36%	
62) 4-Bromofluorobenzene	11.13	95	405211	50.73	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.46%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	2244	0.323	ug/l	96
11) Tert butyl alcohol	3.03	59	9782	6.280	ug/l #	87
13) Acrolein	2.31	56	505	3.827	ug/l #	75
16) Acetone	2.45	43	1985	0.608	ug/l	95
18) Methyl Acetate	2.79	43	1913	0.202	ug/l #	58
20) Methylene Chloride	2.86	84	1905	Below Cal	#	53
29) Tetrahydrofuran	5.17	42	1510	0.497	ug/l #	47
36) 1,1-Dichloropropene	5.66	75	39391	4.636	ug/l #	49
38) Carbon Tetrachloride	5.67	117	57143	6.684	ug/l #	14
49) 1,4-Dioxane	7.74	88	74	Below Cal	#	1
71) Bromoform	10.90	173	109	4.744	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	187758	21.544	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	187758	63.881	ug/l #	10
90) Hexachloroethane	12.59	117	72	2.924	ug/l #	6

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.00 min

Lab File: VX006985.D

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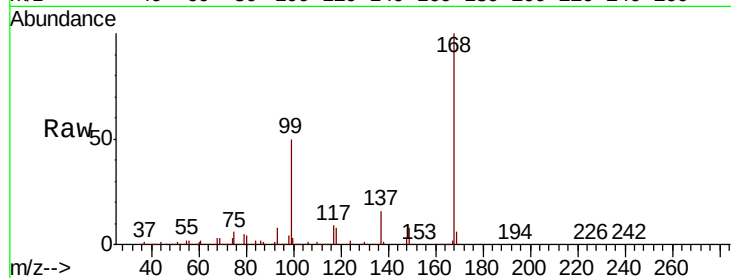
S32-TB-2019-2

Tgt Ion:168 Resp: 631812

Ion Ratio Lower Upper

168 100

99 49.8 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006985.D

Ion 98.90 (98.60 to 99.60): VX006985.D

5.67

250000

200000

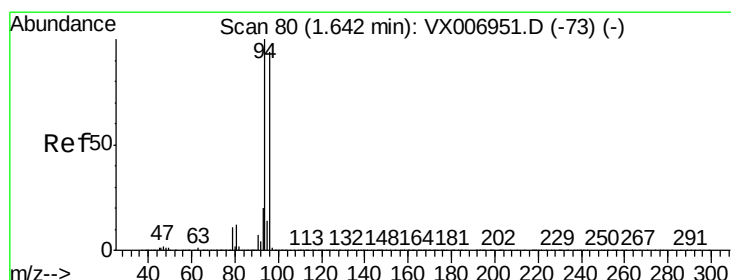
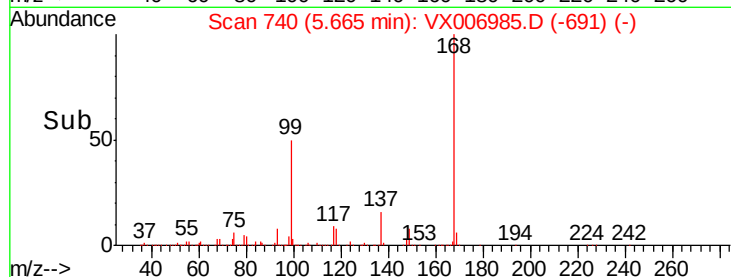
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: 0.323 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.00 min

Lab File: VX006985.D

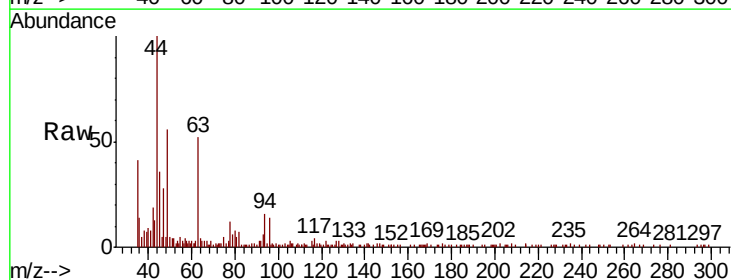
Acq: 10 Jan 2019 13:08

Tgt Ion: 94 Resp: 2244

Ion Ratio Lower Upper

94 100

96 95.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX006985.D

Ion 95.90 (95.60 to 96.60): VX006985.D

1.64

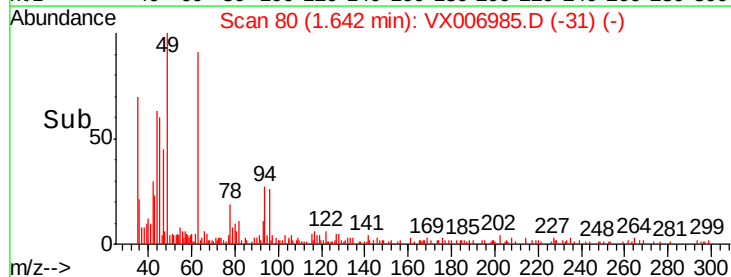
1500

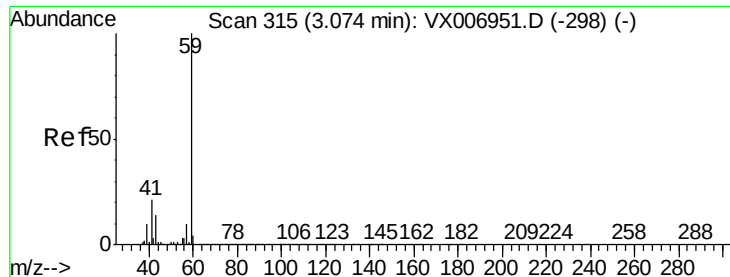
1000

500

0

Time-->



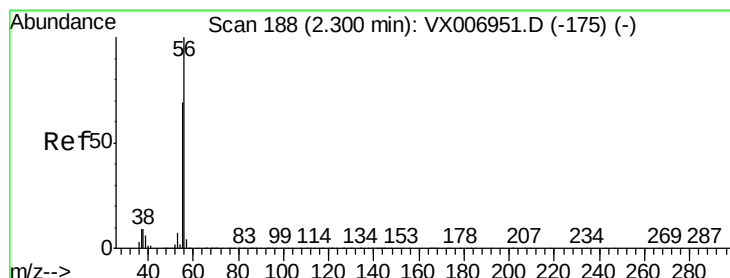
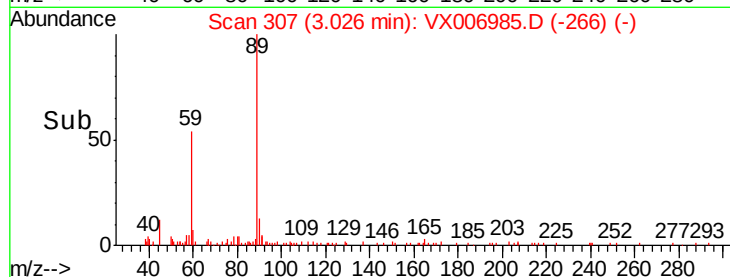
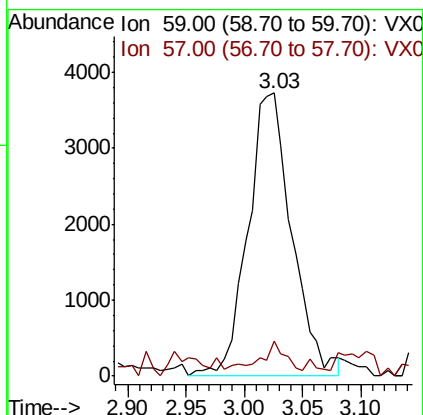
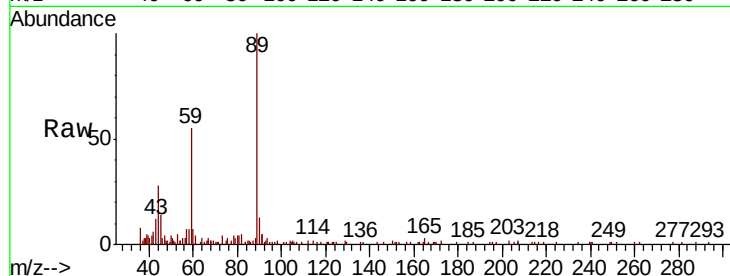


#11

Tert butyl alcohol
Concen: 6.280 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-2

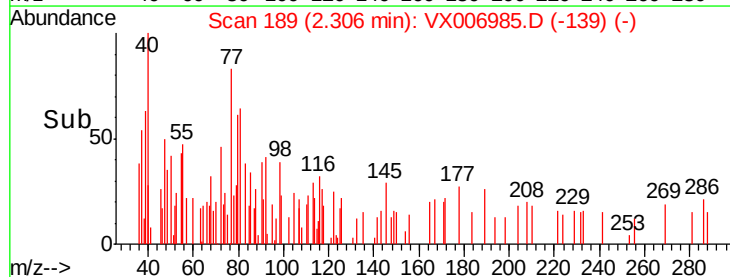
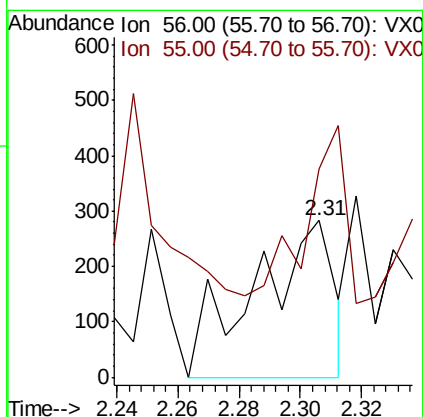
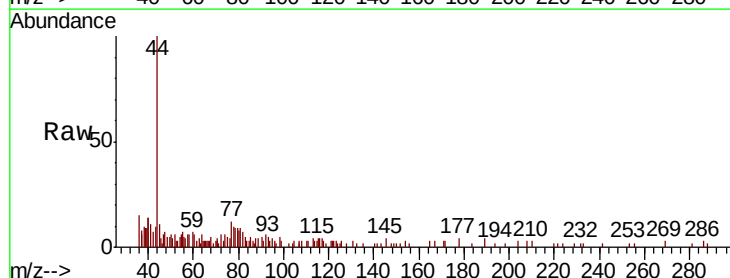
Tgt Ion: 59 Resp: 9782
Ion Ratio Lower Upper
59 100
57 5.6 8.5 12.7#

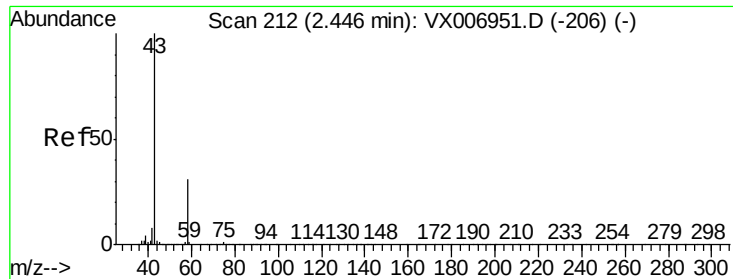


#13

Acrolein
Concen: 3.827 ug/l
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

Tgt Ion: 56 Resp: 505
Ion Ratio Lower Upper
56 100
55 51.5 58.2 87.4#

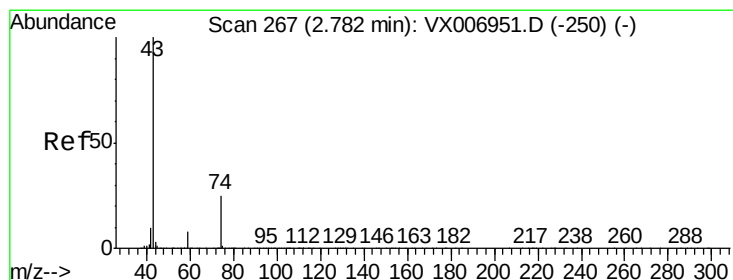
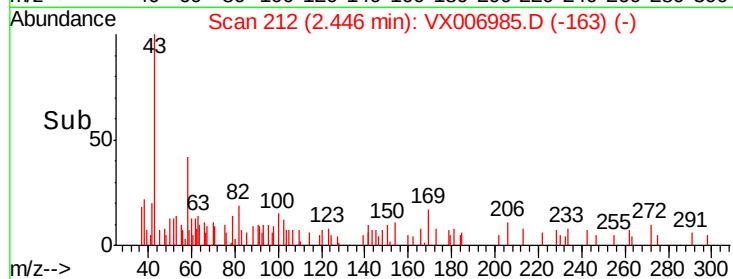
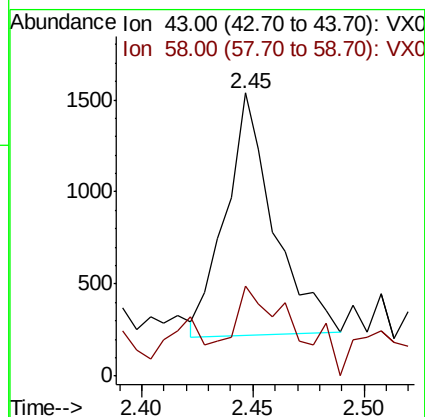
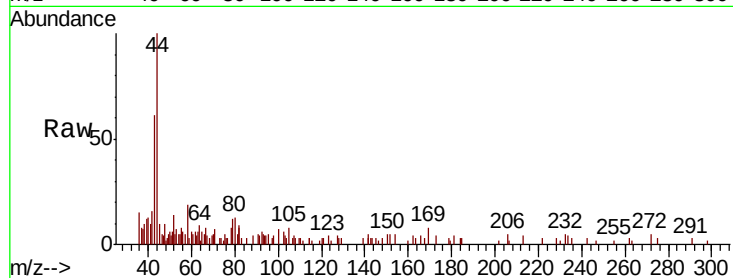




#16
Acetone
Concen: 0.608 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

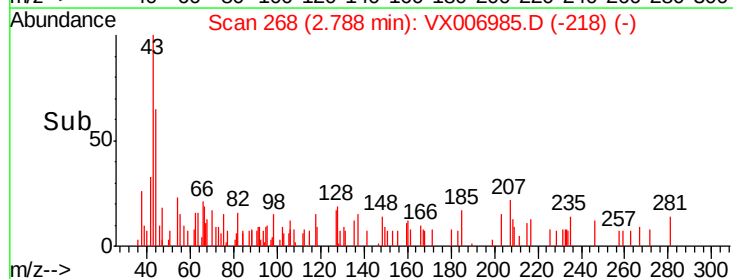
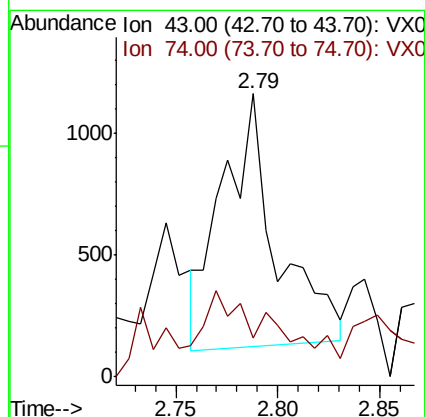
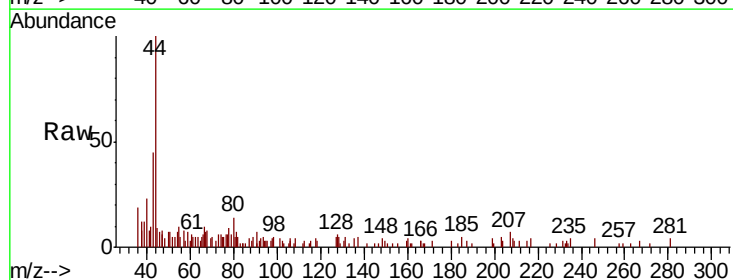
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-2

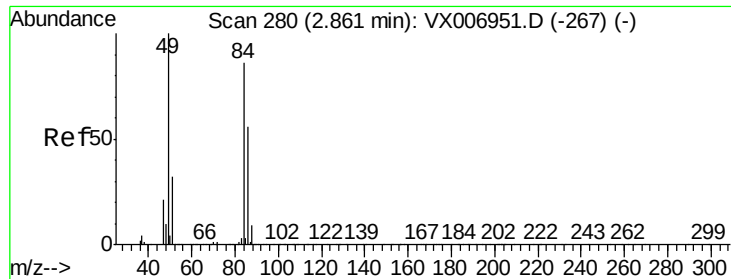
Tgt Ion: 43 Resp: 1985
Ion Ratio Lower Upper
43 100
58 28.8 25.0 37.6



#18
Methyl Acetate
Concen: 0.202 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

Tgt Ion: 43 Resp: 1913
Ion Ratio Lower Upper
43 100
74 44.0 18.6 28.0#





#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

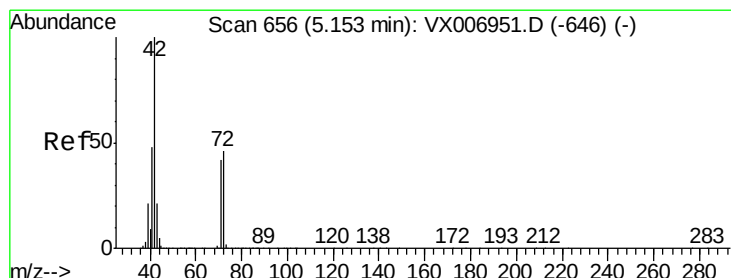
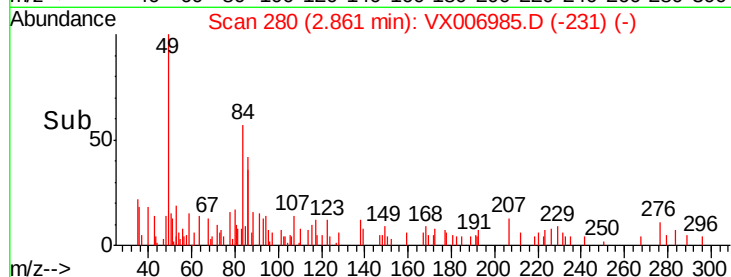
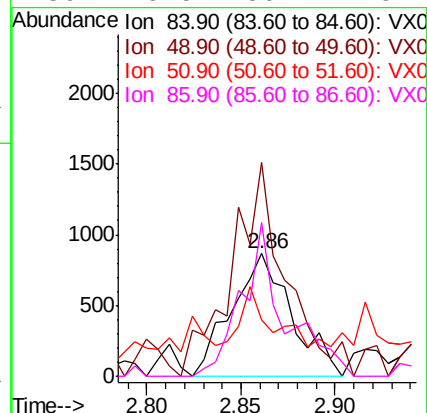
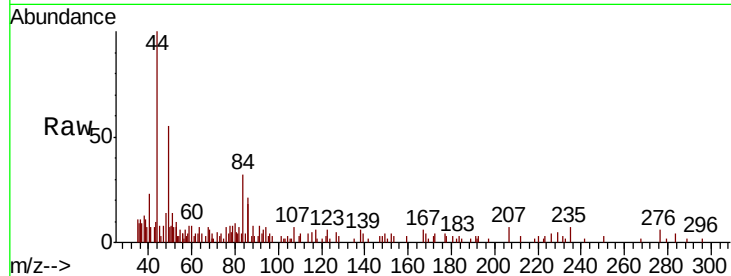
Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :
MSVOA_X
ClientSampled :
S32-TB-2019-2

Tgt Ion:	84	Resp:	1905
Ion	Ratio	Lower	Upper
84	100		
49	146.7	91.8	137.6#
51	10.2	28.5	42.7#
86	125.5	50.2	75.2#



#29

Tetrahydrofuran

Concen: 0.497 ug/l

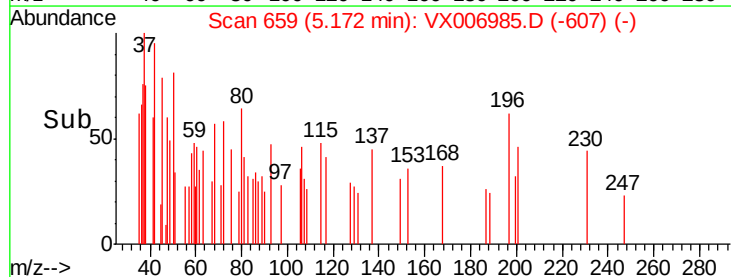
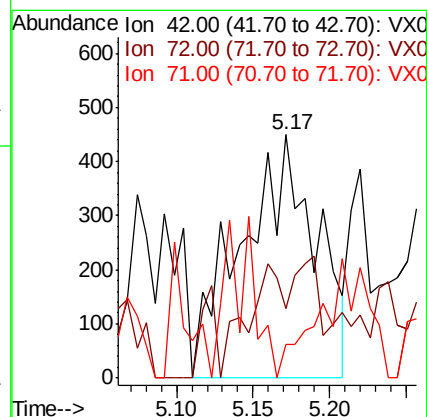
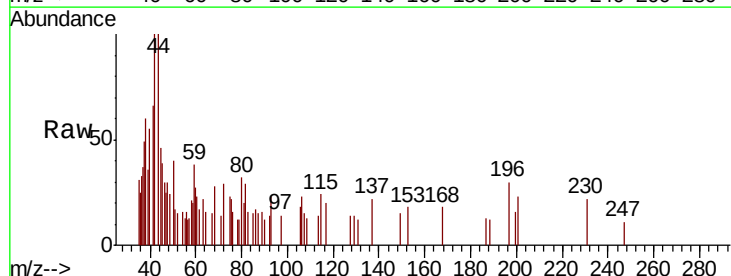
RT: 5.17 min Scan# 659

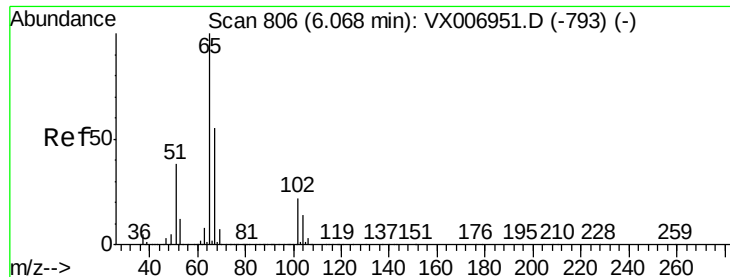
Delta R.T. 0.02 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Tgt Ion:	42	Resp:	1510
Ion	Ratio	Lower	Upper
42	100		
72	23.3	38.9	58.3#
71	0.0	36.2	54.4#





#33

1,2-Dichloroethane-d4

Concen: 51.005 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

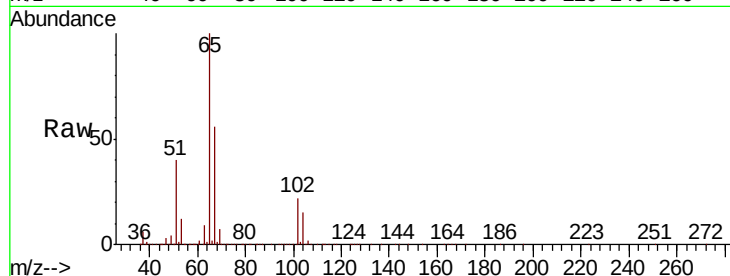
S32-TB-2019-2

Tgt Ion: 65 Resp: 336782

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

150000

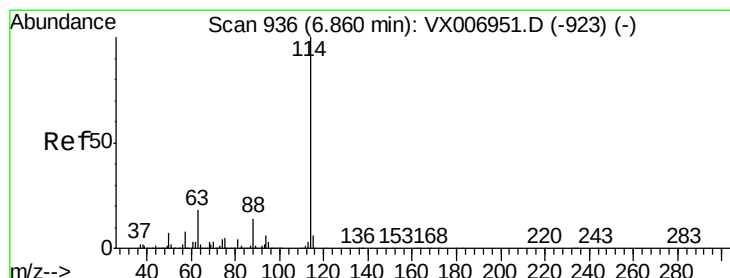
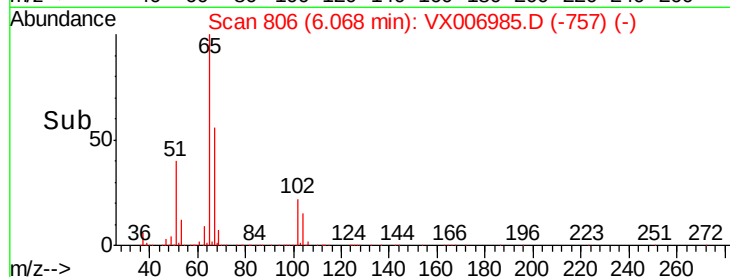
100000

50000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

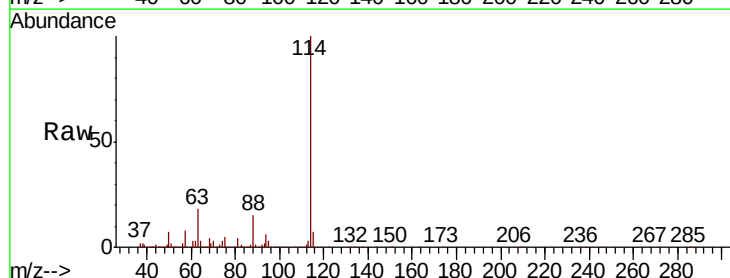
Tgt Ion: 114 Resp: 977363

Ion Ratio Lower Upper

114 100

63 18.2 0.0 34.8

88 15.5 0.0 28.8



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

6.86

500000

400000

300000

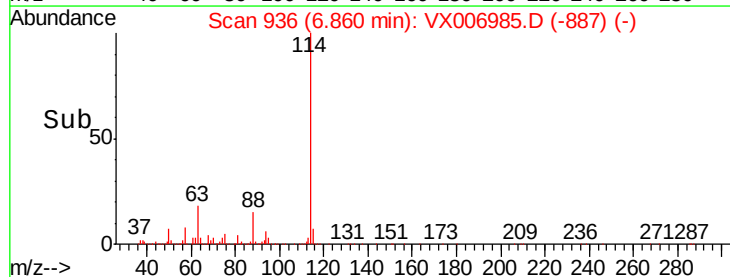
200000

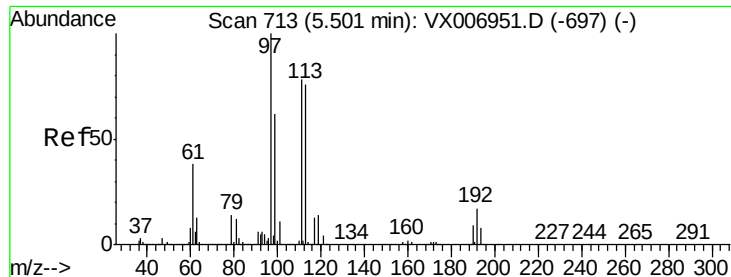
100000

0

Time-->

6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 48.136 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-2

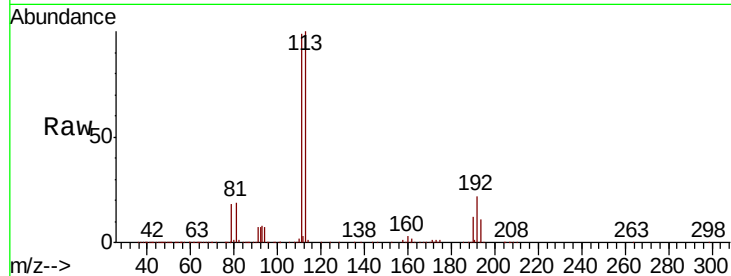
Tgt Ion:113 Resp: 301285

Ion Ratio Lower Upper

113 100

111 102.4 81.6 122.4

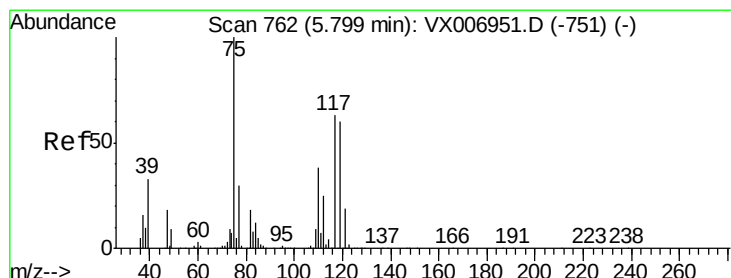
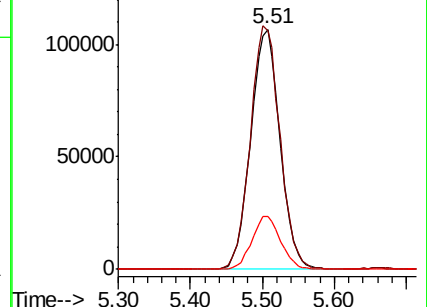
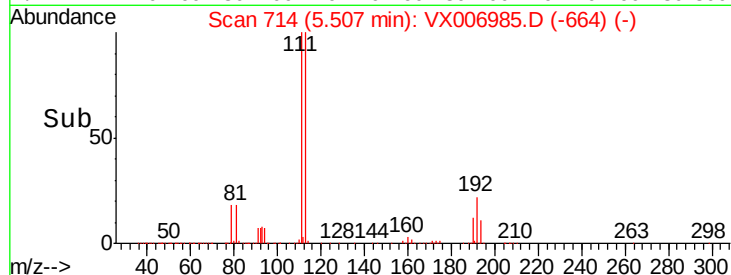
192 21.8 16.7 25.1



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: 4.636 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

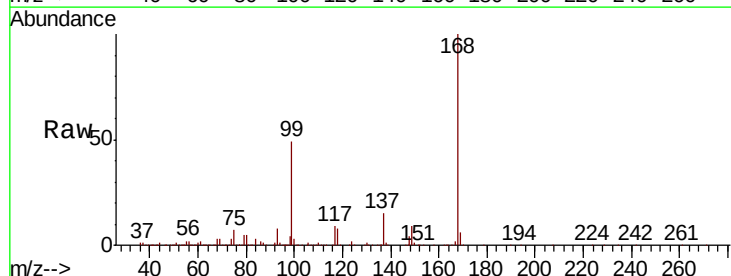
Tgt Ion: 75 Resp: 39391

Ion Ratio Lower Upper

75 100

110 10.0 20.2 60.5#

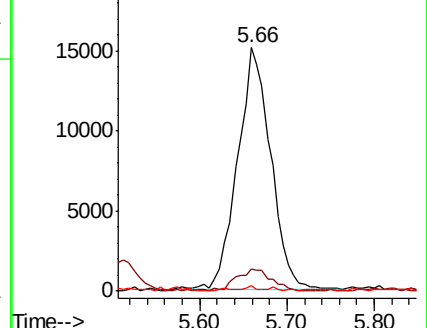
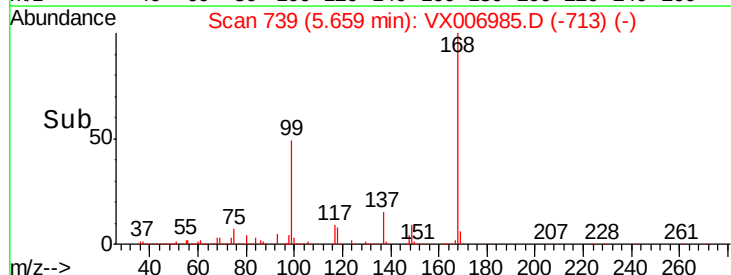
77 0.9 24.8 37.2#

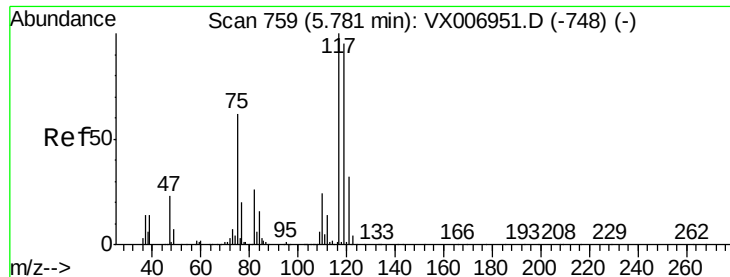


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 6.684 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

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S32-TB-2019-2

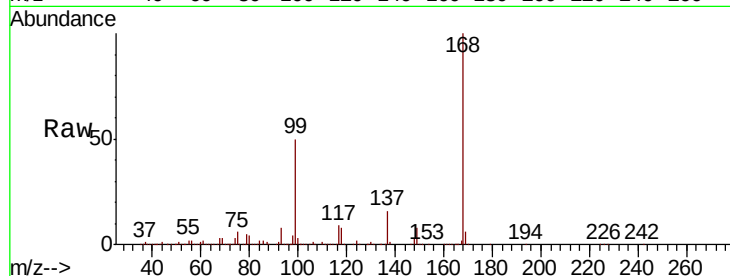
Tgt Ion: 117 Resp: 57143

Ion Ratio Lower Upper

117 100

119 4.1 79.4 119.2#

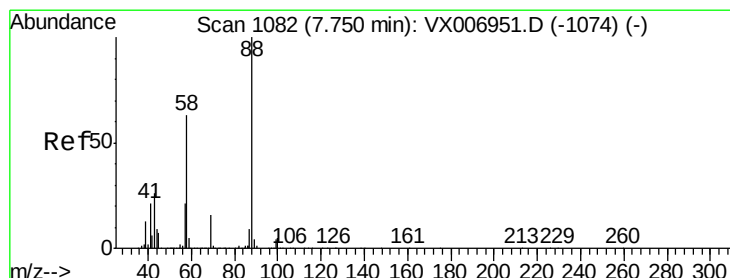
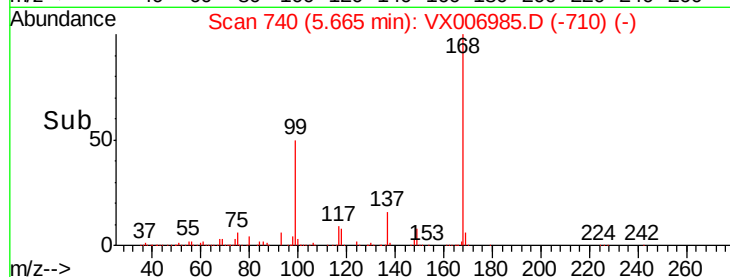
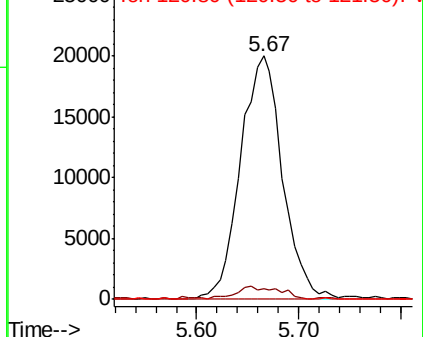
121 0.0 24.0 36.0#



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



#49

1,4-Dioxane

Concen: Below Cal

RT: 7.74 min Scan# 1081

Delta R.T. -0.01 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

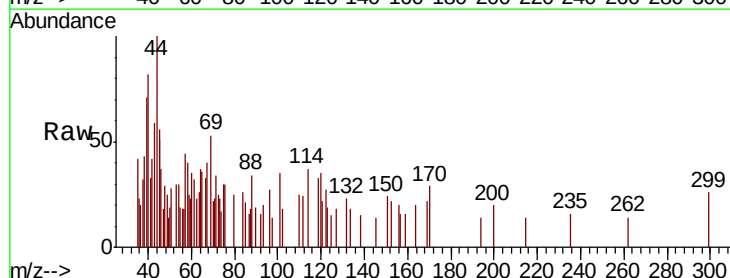
Tgt Ion: 88 Resp: 74

Ion Ratio Lower Upper

88 100

43 637.8 22.2 33.4#

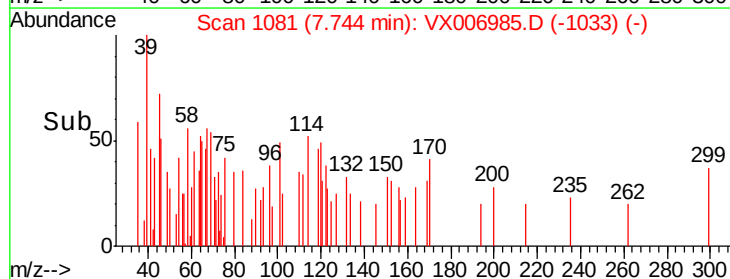
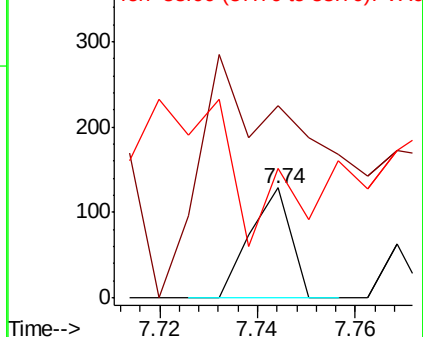
58 336.5 51.0 76.4#

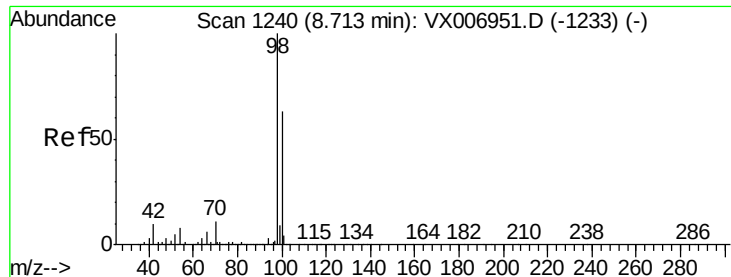


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 50.182 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

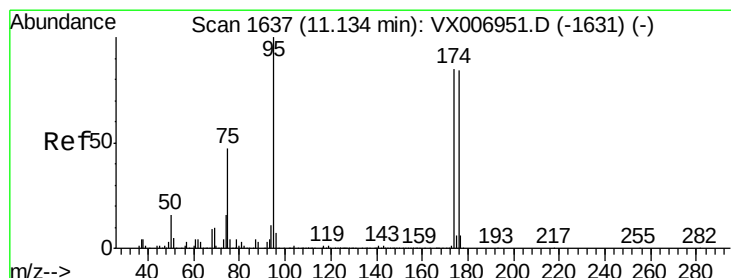
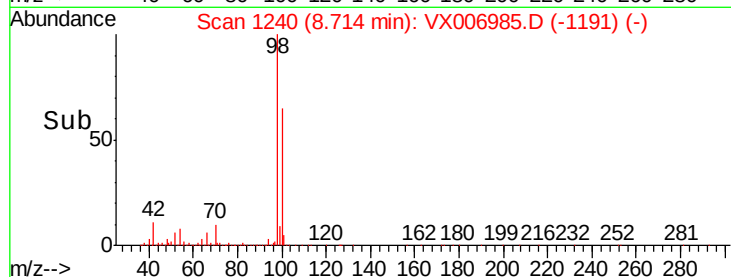
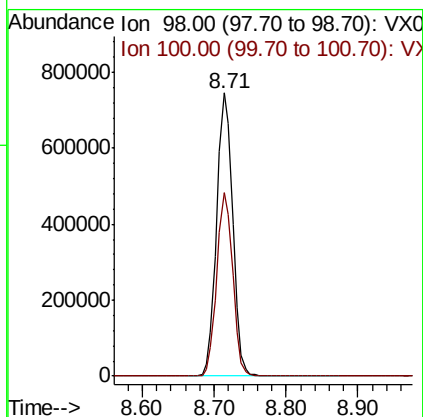
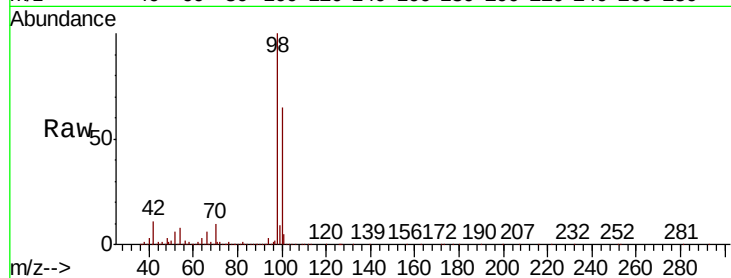
S32-TB-2019-2

Tgt Ion: 98 Resp: 1149666

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 50.734 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

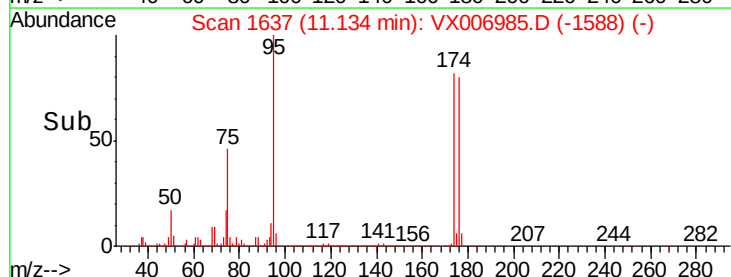
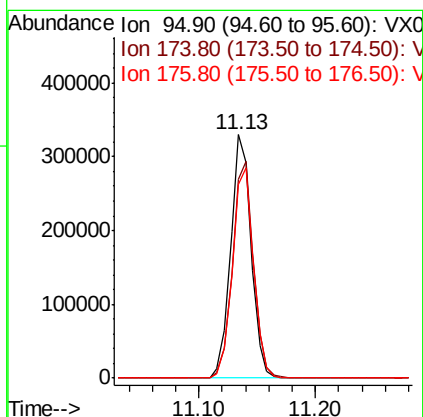
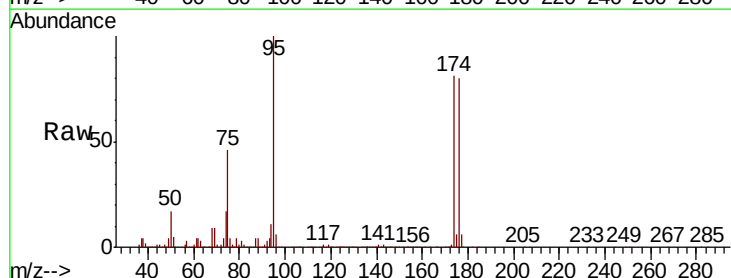
Tgt Ion: 95 Resp: 405211

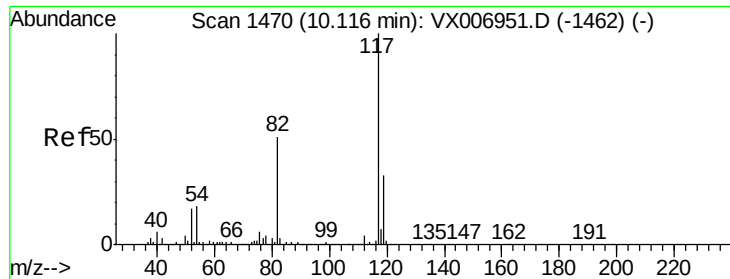
Ion Ratio Lower Upper

95 100

174 90.8 0.0 182.2

176 89.0 0.0 178.8

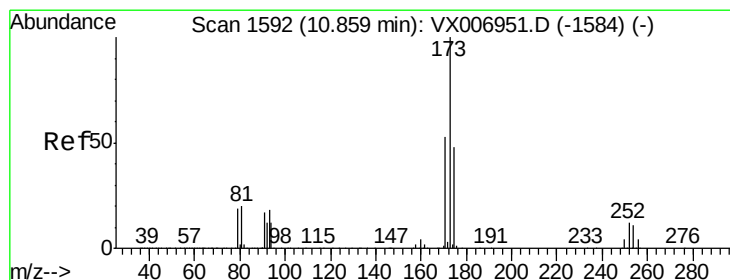
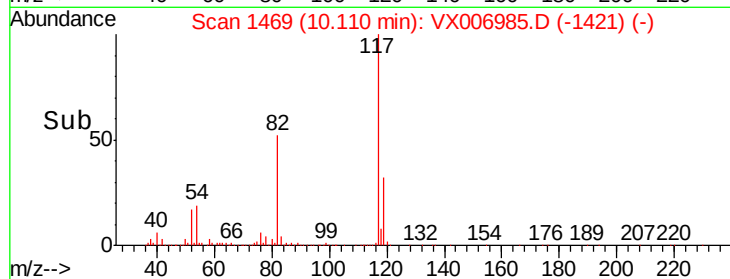
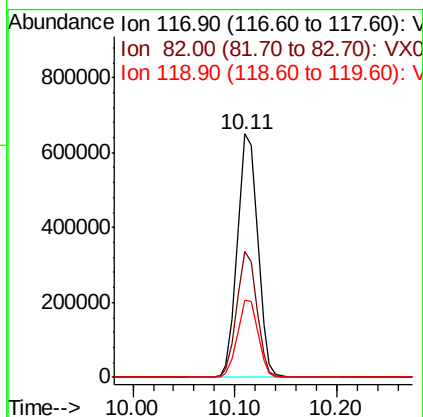
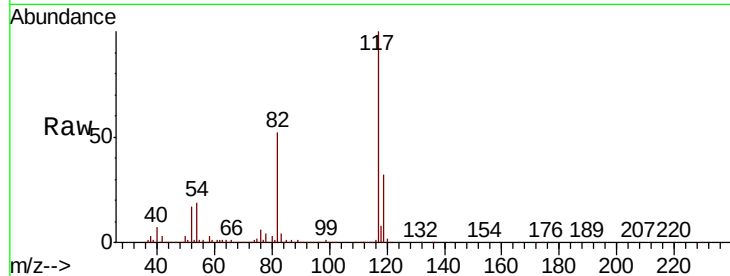




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.01 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

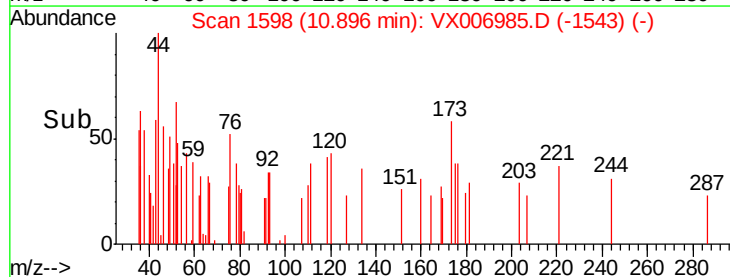
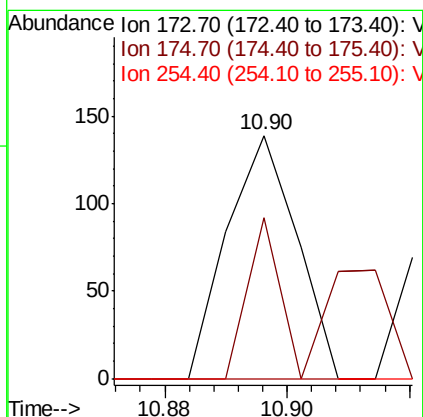
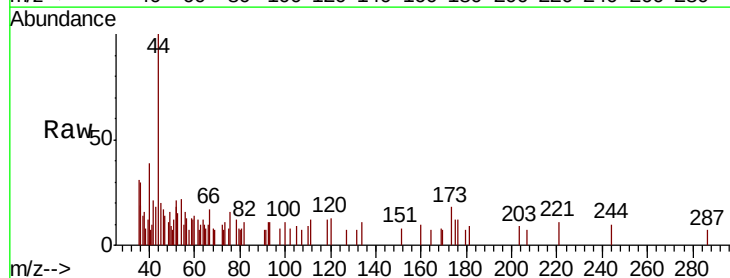
Instrument :
MSVOA_X
ClientSampleId :
S32-TB-2019-2

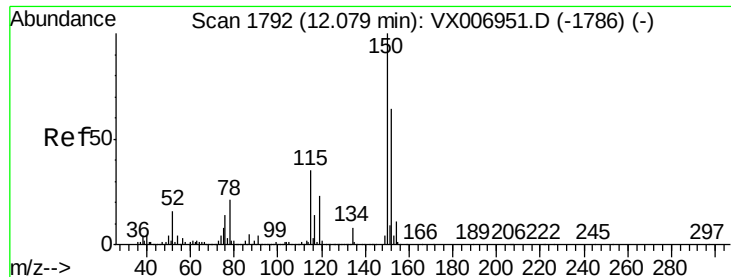
Tgt Ion:117 Resp: 893138
Ion Ratio Lower Upper
117 100
82 51.7 41.0 61.6
119 31.9 25.4 38.0



#71
Bromoform
Concen: 4.744 ug/l
RT: 10.90 min Scan# 1598
Delta R.T. 0.04 min
Lab File: VX006985.D
Acq: 10 Jan 2019 13:08

Tgt Ion:173 Resp: 109
Ion Ratio Lower Upper
173 100
175 0.0 24.7 74.1#
254 0.0 0.2 0.2#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-2

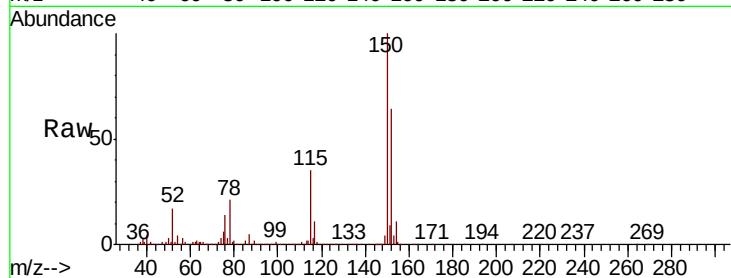
Tgt Ion: 152 Resp: 430064

Ion Ratio Lower Upper

152 100

115 54.9 39.1 117.2

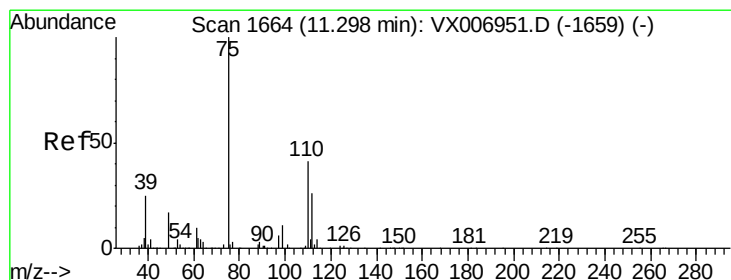
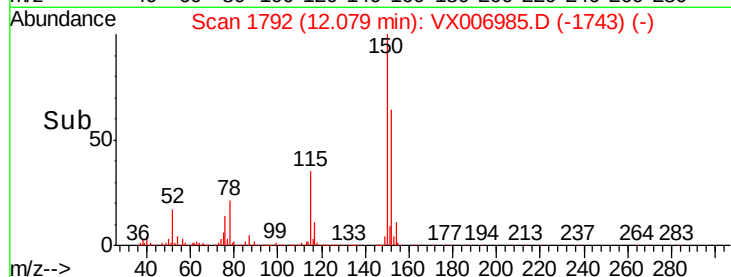
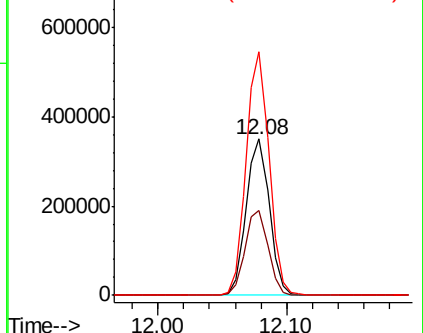
150 154.7 0.0 344.8



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: 21.544 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006985.D

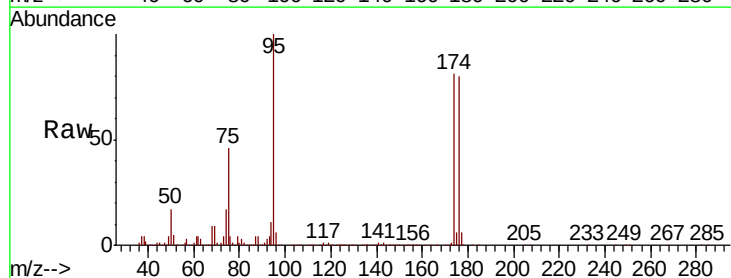
Acq: 10 Jan 2019 13:08

Tgt Ion: 75 Resp: 187758

Ion Ratio Lower Upper

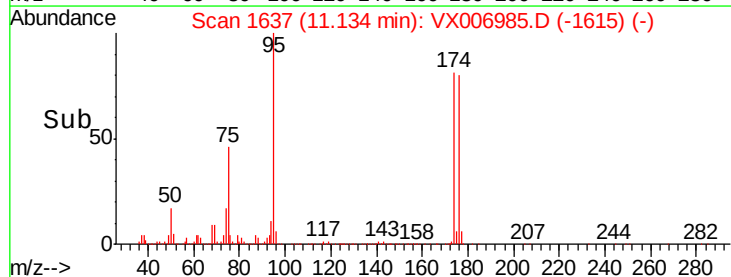
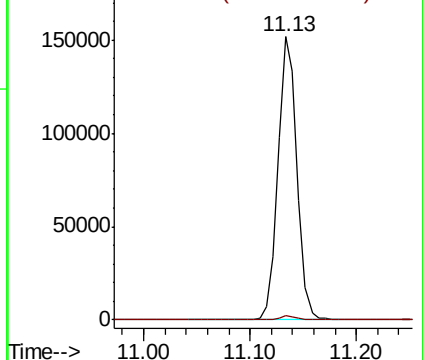
75 100

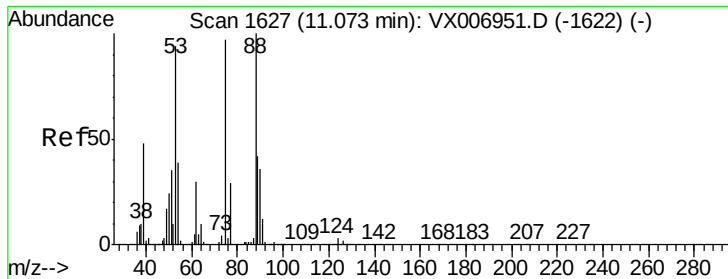
77 1.2 18.5 55.5#



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: 63.881 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006985.D

Acq: 10 Jan 2019 13:08

Instrument :

MSVOA_X

ClientSampleId :

S32-TB-2019-2

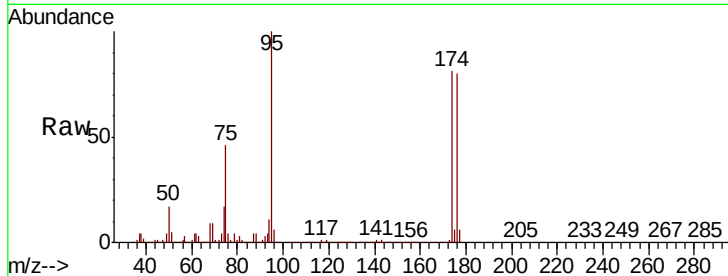
Tgt Ion: 75 Resp: 187758

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

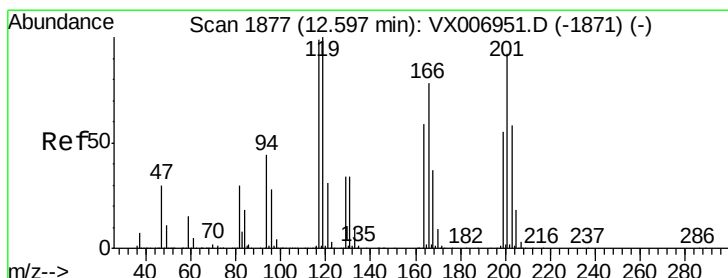
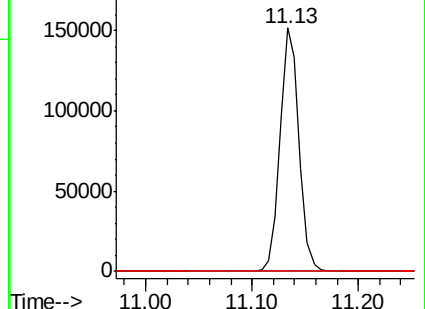
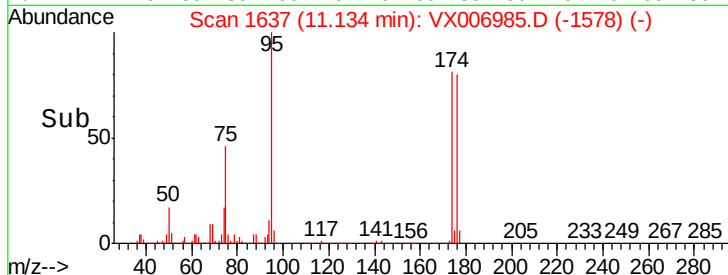
89 0.1 38.0 57.0#



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



#90

Hexachloroethane

Concen: 2.924 ug/l

RT: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006985.D

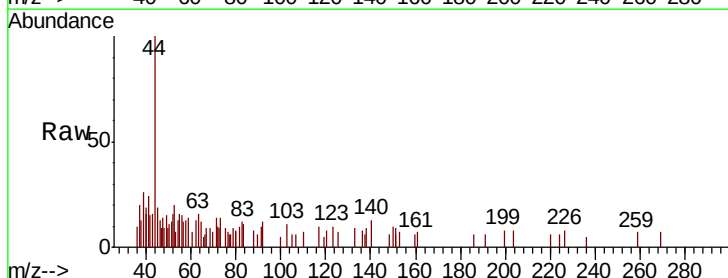
Acq: 10 Jan 2019 13:08

Tgt Ion: 117 Resp: 72

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

