

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012119\
 Data File : VX007159.D
 Acq On : 21 Jan 2019 15:22
 Operator : JC/SP
 Sample : K1198-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW519-4256

Quant Time: Jan 22 00:07:16 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	537789	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	831205	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	782025	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	397445	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	286390	50.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.92%	
35) Dibromofluoromethane	5.50	113	255205	47.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.88%	
50) Toluene-d8	8.71	98	1002676	51.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.92%	
62) 4-Bromofluorobenzene	11.13	95	365394	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	

Target Compounds

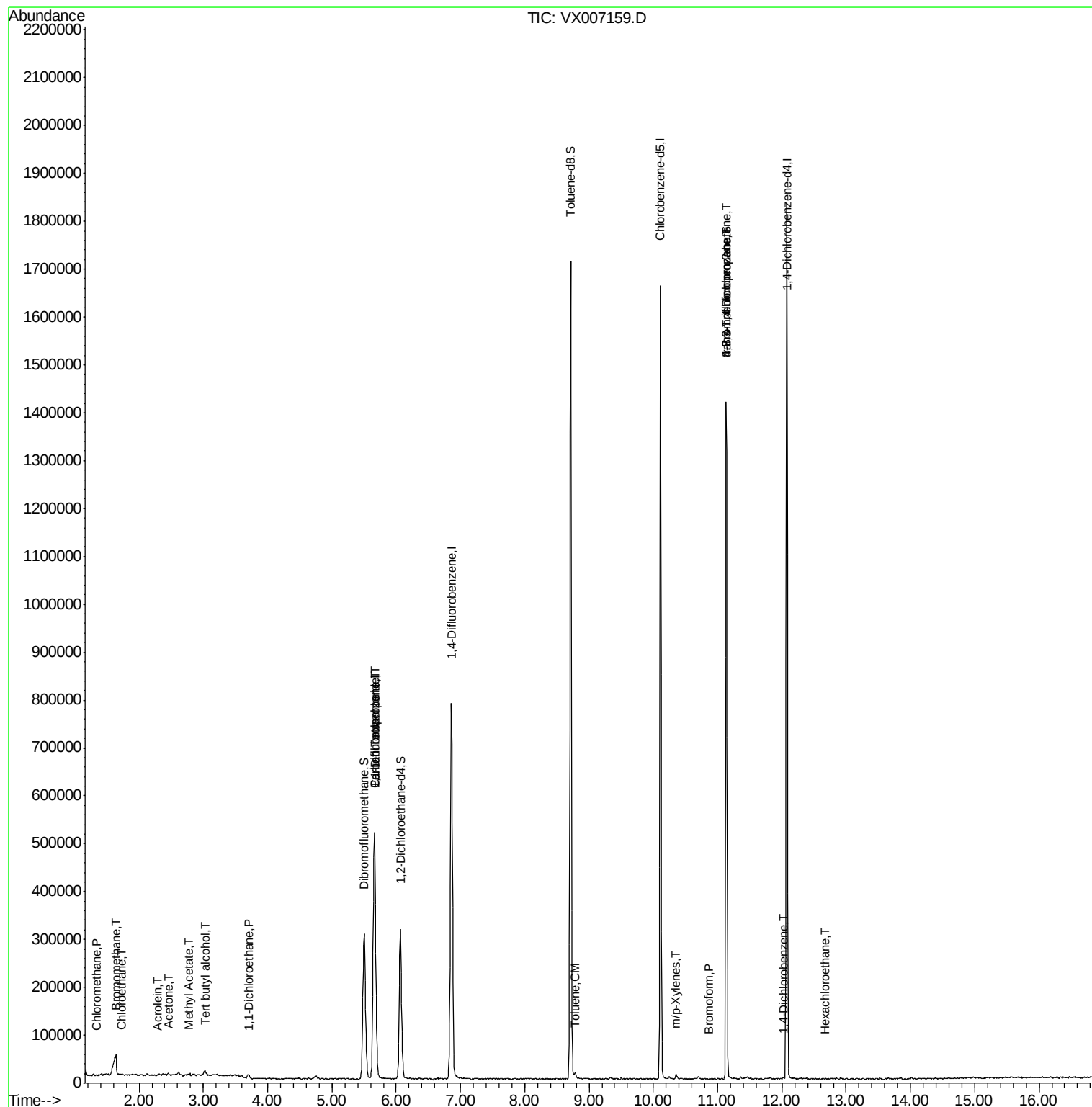
					Qvalue	
3) Chloromethane	1.33	50	1623	0.316	ug/l #	82
5) Bromomethane	1.65	94	1586	0.268	ug/l #	79
6) Chloroethane	1.73	64	1135	0.294	ug/l	100
11) Tert butyl alcohol	3.02	59	6387	4.817	ug/l #	90
13) Acrolein	2.29	56	400	3.775	ug/l #	52
16) Acetone	2.45	43	5176	1.863	ug/l	90
18) Methyl Acetate	2.78	43	3398	0.422	ug/l	95
20) Methylene Chloride	2.86	84	1252	Below Cal	#	71
24) 1,1-Dichloroethane	3.70	63	8704	0.977	ug/l	97
36) 1,1-Dichloropropene	5.67	75	33447	4.628	ug/l #	49
38) Carbon Tetrachloride	5.66	117	49326	6.784	ug/l #	14
49) 1,4-Dioxane	7.77	88	228	Below Cal	#	26
52) Toluene	8.79	92	4317	0.305	ug/l	94
68) m/p-Xylenes	10.35	106	2696	0.243	ug/l	96
71) Bromoform	10.86	173	121	4.749	ug/l #	28
76) 1,2,3-Trichloropropane	11.13	75	173728	21.570	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	173728	63.954	ug/l #	10
88) 1,4-Dichlorobenzene	12.02	146	788	0.204	ug/l	97
90) Hexachloroethane	12.68	117	61	2.923	ug/l	93

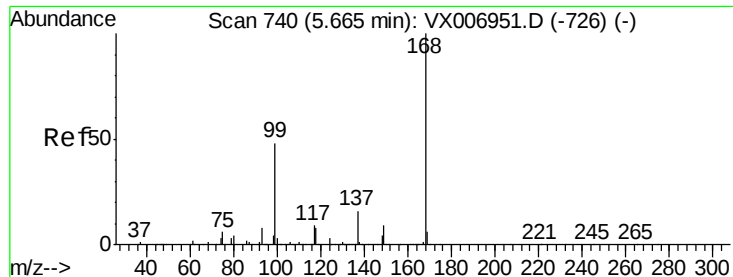
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Jan 08 14:06:59 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

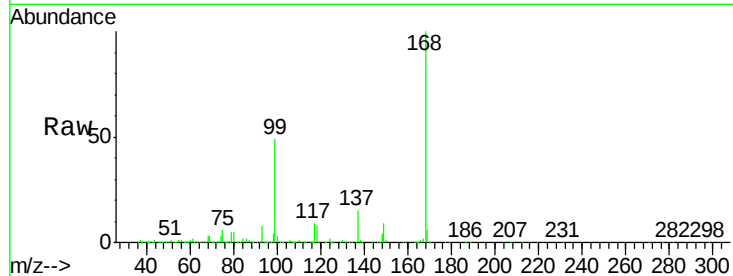
SA-TW519-4256

Tot Ion:168 Resp: 537789

Ion Ratio Lower Upper

168 100

99 48.7 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

200000

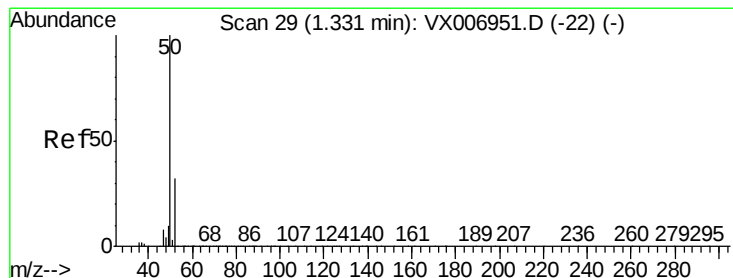
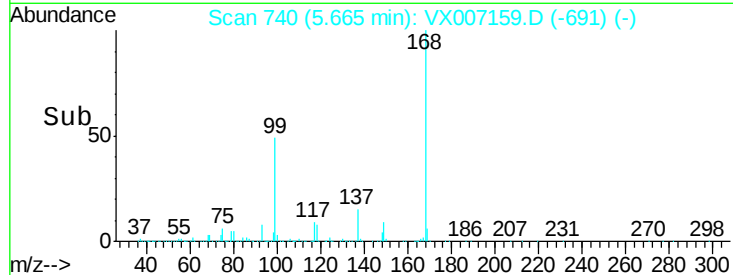
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.316 ug/l

RT: 1.33 min Scan# 29

Delta R.T. -0.00 min

Lab File: VX007159.D

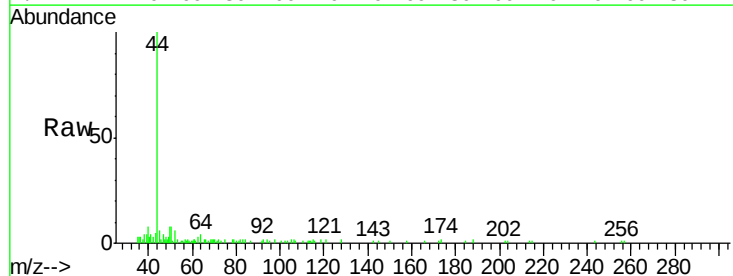
Acq: 21 Jan 2019 15:22

Tgt Ion: 50 Resp: 1623

Ion Ratio Lower Upper

50 100

52 21.9 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.33

1000

800

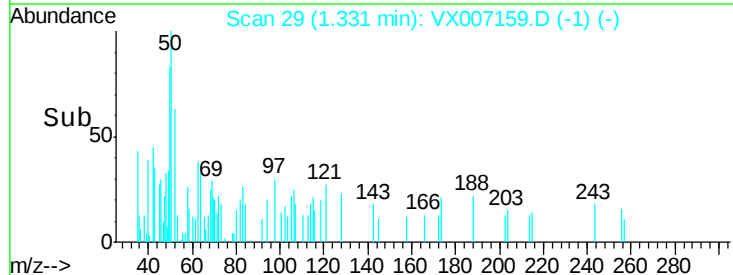
600

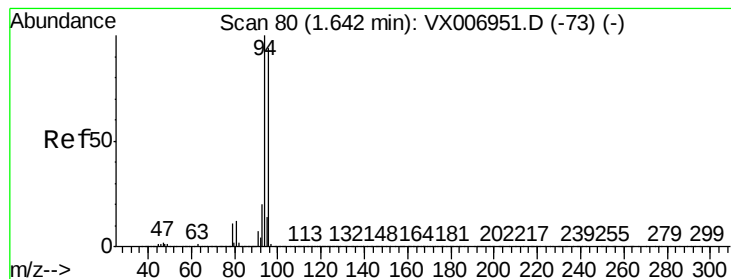
400

200

0

Time-->





#5

Bromomethane

Concen: 0.268 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

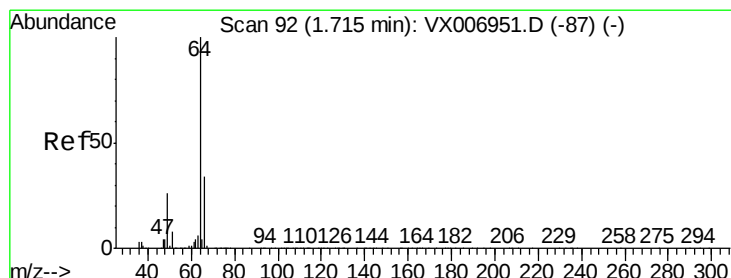
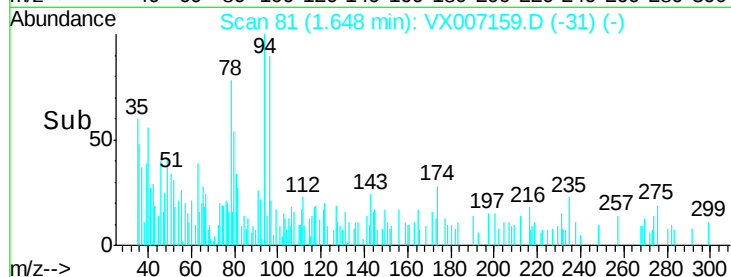
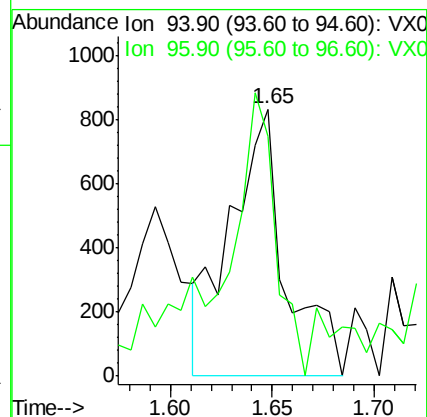
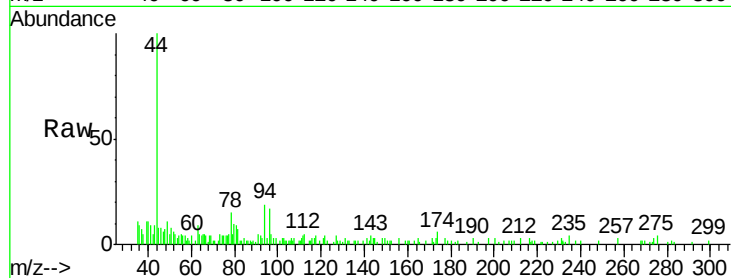
SA-TW519-4256

Tot Ion: 94 Resp: 1586

Ion Ratio Lower Upper

94 100

96 71.6 73.4 110.2#



#6

Chloroethane

Concen: 0.294 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007159.D

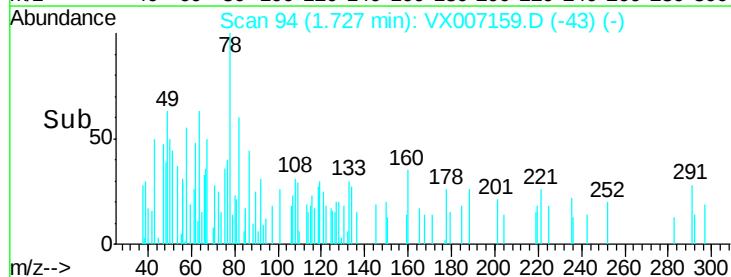
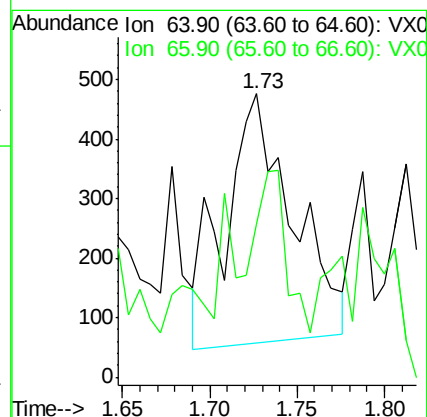
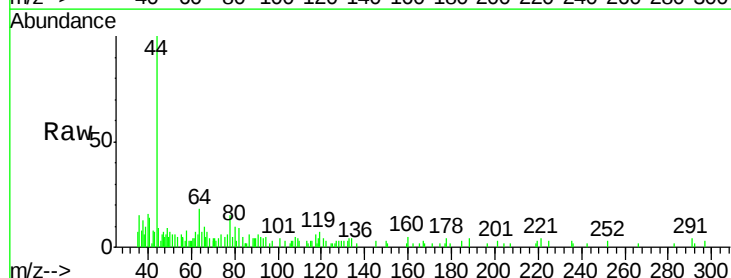
Acq: 21 Jan 2019 15:22

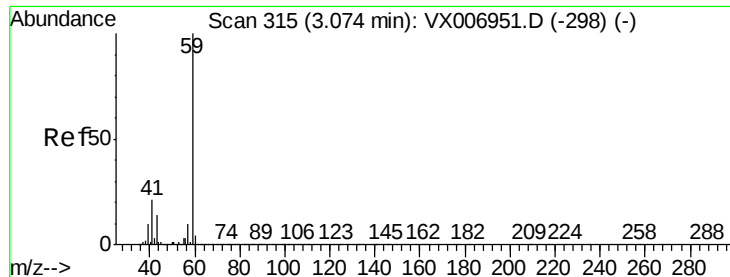
Tgt Ion: 64 Resp: 1135

Ion Ratio Lower Upper

64 100

66 32.7 26.4 39.6



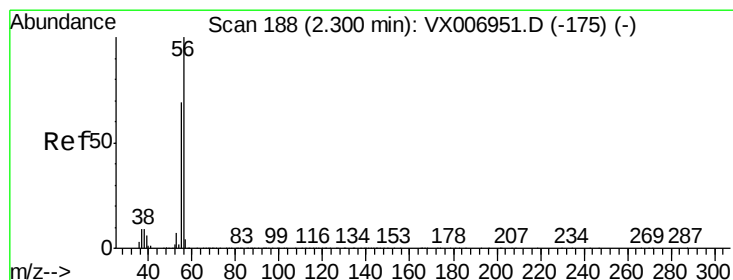
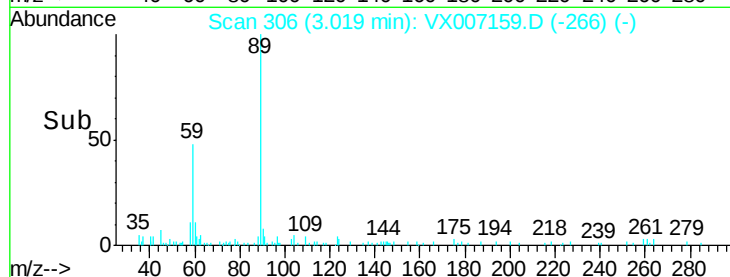
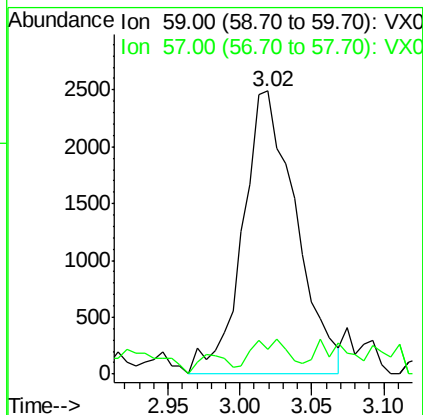
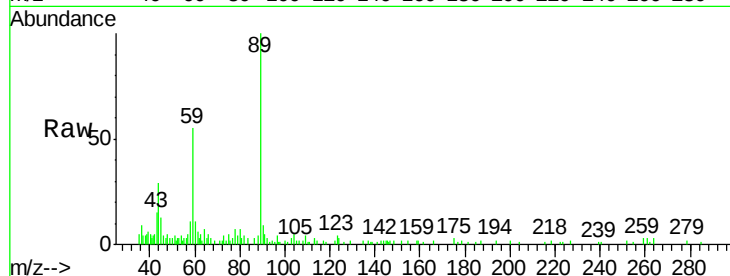


#11

Tert butyl alcohol
 Concen: 4.817 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.05 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW519-4256

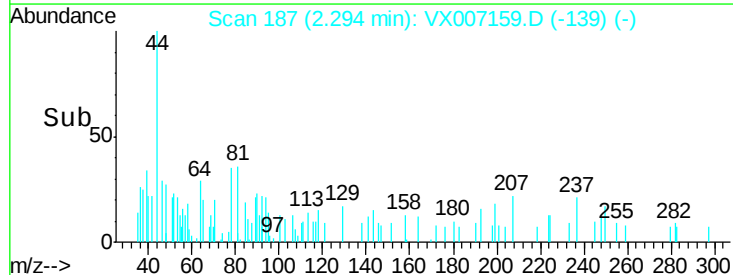
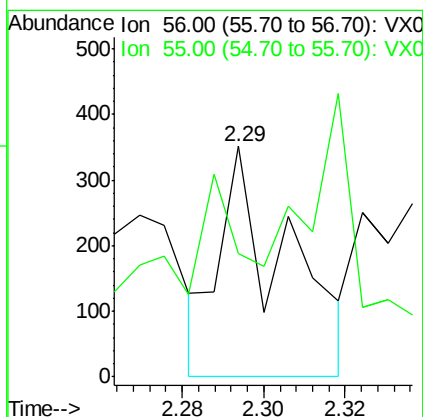
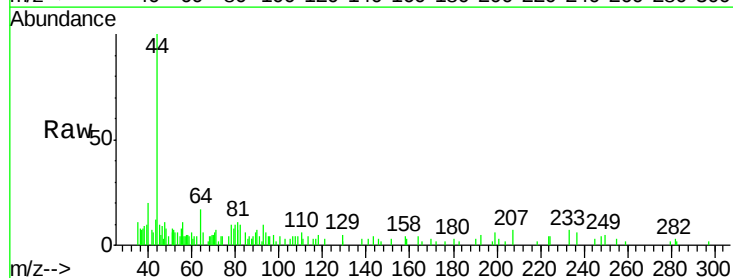
Tot Ion: 59 Resp: 6387
 Ion Ratio Lower Upper
 59 100
 57 6.7 8.5 12.7#

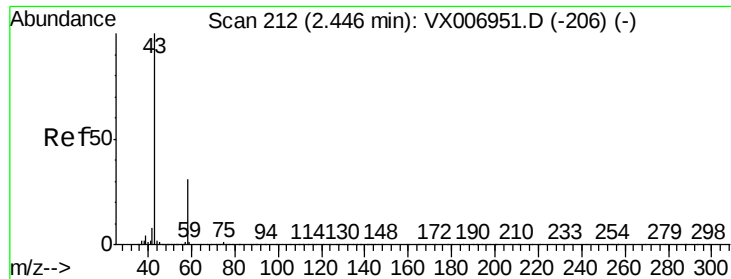


#13

Acrolein
 Concen: 3.775 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.01 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

Tgt Ion: 56 Resp: 400
 Ion Ratio Lower Upper
 56 100
 55 32.3 58.2 87.4#

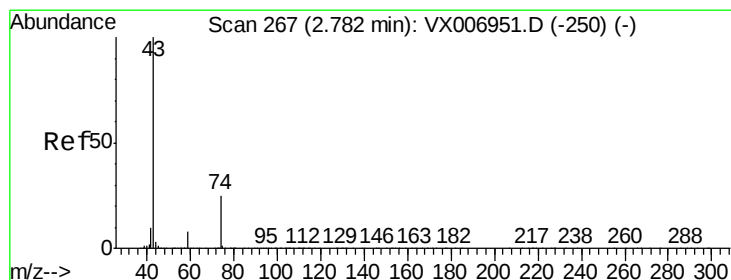
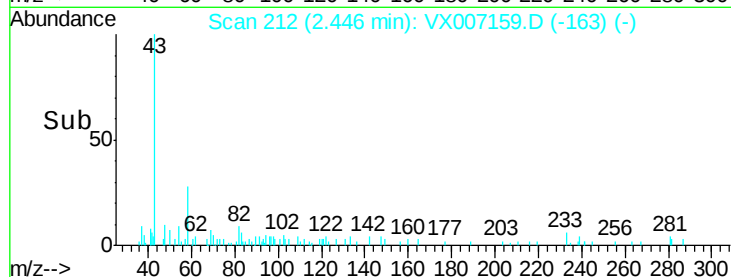
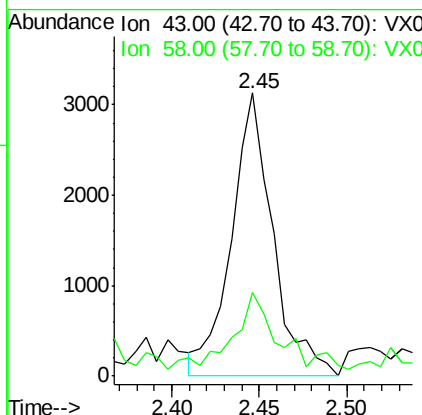
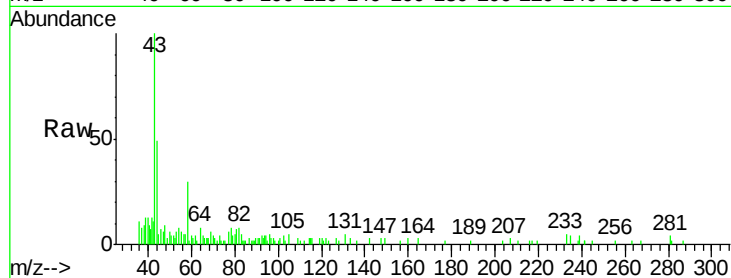




#16
Acetone
Concen: 1.863 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007159.D
Acq: 21 Jan 2019 15:22

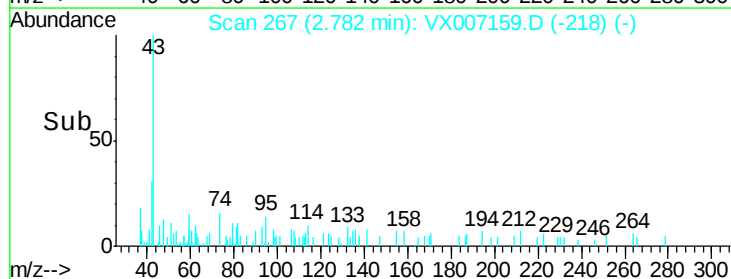
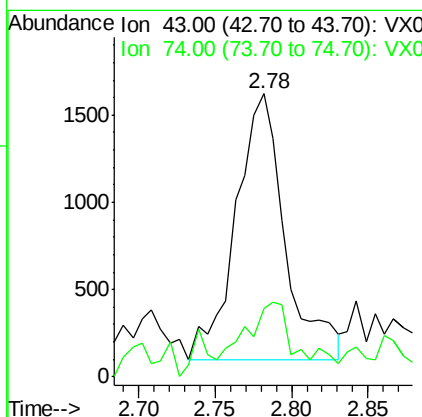
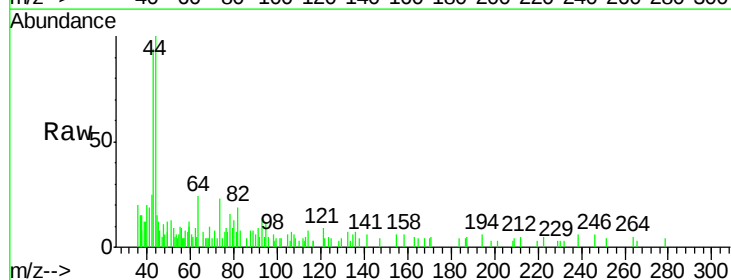
Instrument :
MSVOA_X
ClientSampleId :
SA-TW519-4256

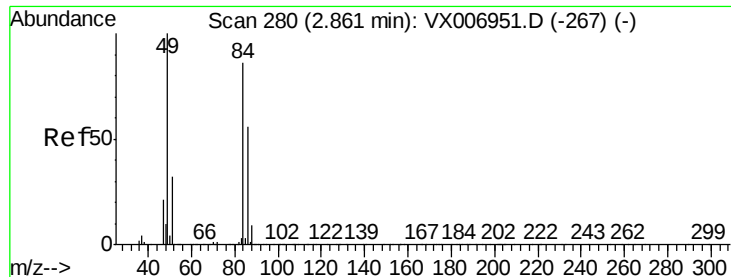
Tot Ion: 43 Resp: 5176
Ion Ratio Lower Upper
43 100
58 25.9 25.0 37.6



#18
Methyl Acetate
Concen: 0.422 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX007159.D
Acq: 21 Jan 2019 15:22

Tgt Ion: 43 Resp: 3398
Ion Ratio Lower Upper
43 100
74 20.9 18.6 28.0



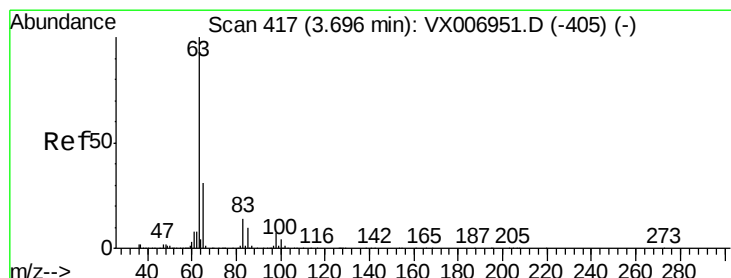
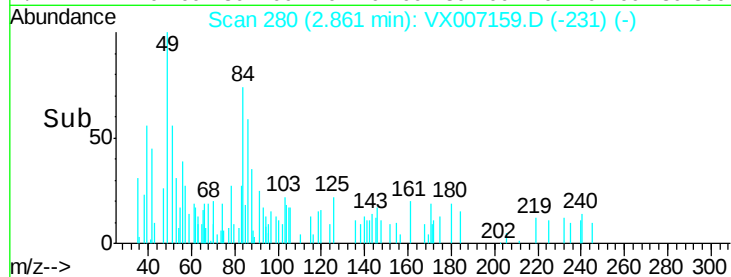
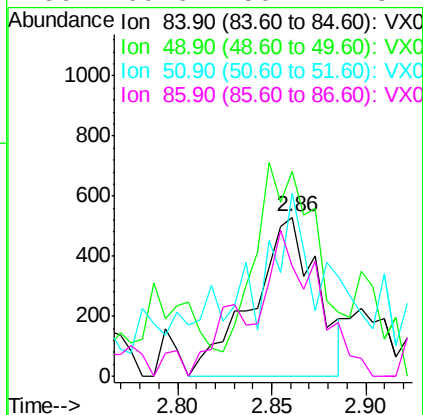
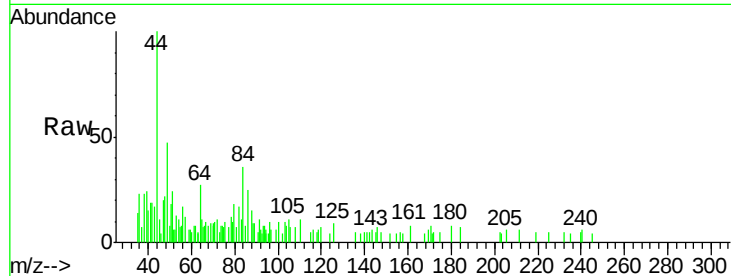


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.86 min Scan# 280
 Delta R.T. 0.00 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW519-4256

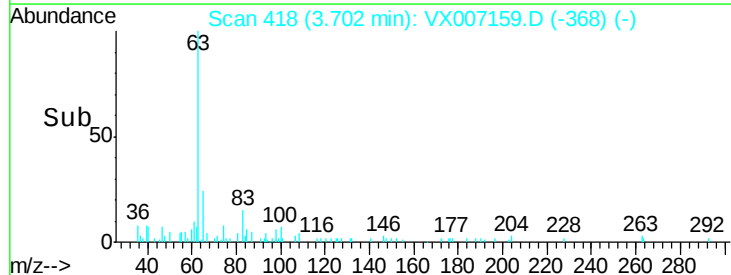
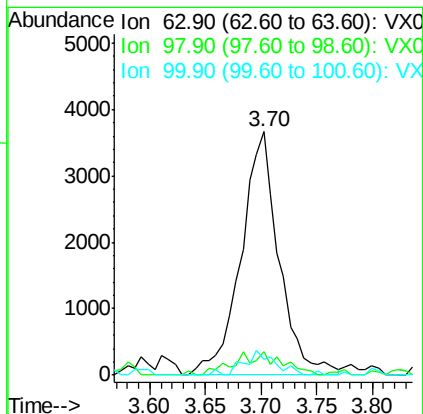
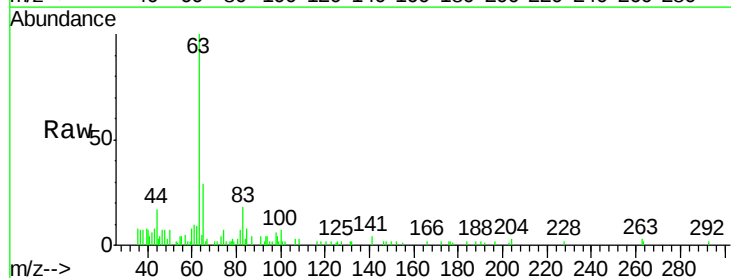
Tot Ion: 84 Resp: 1252
 Ion Ratio Lower Upper
 84 100
 49 88.8 91.8 137.6#
 51 83.4 28.5 42.7#
 86 69.6 50.2 75.2

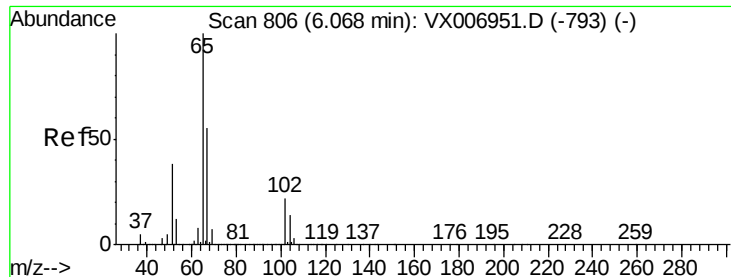


#24

1,1-Dichloroethane
 Concen: 0.977 ug/l
 RT: 3.70 min Scan# 418
 Delta R.T. 0.01 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

Tgt Ion: 63 Resp: 8704
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.9 11.5
 100 6.7 2.4 7.2





#33

1,2-Dichloroethane-d4

Concen: 50.956 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

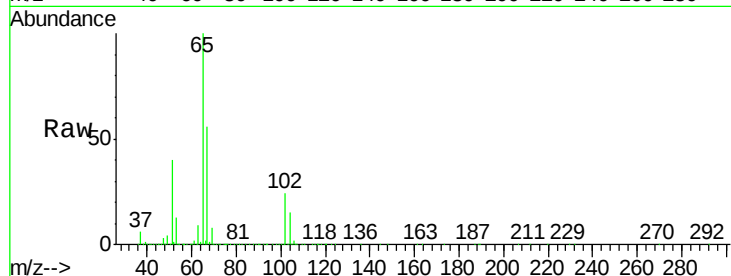
SA-TW519-4256

Tot Ion: 65 Resp: 286390

Ion Ratio Lower Upper

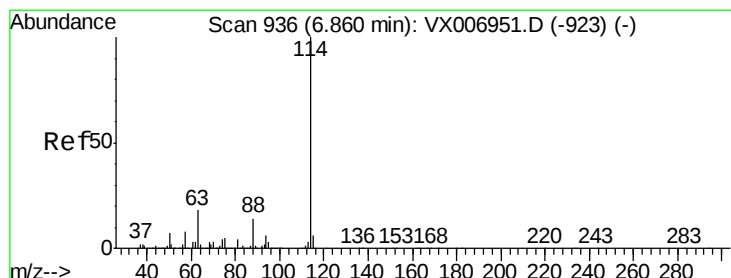
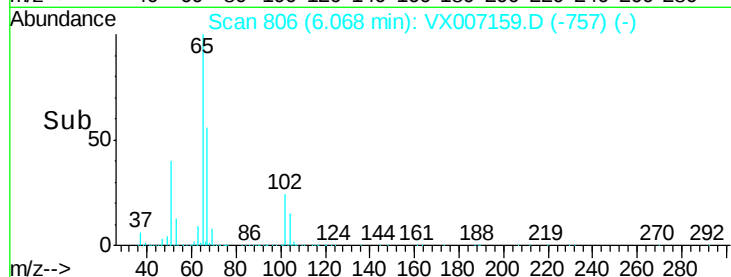
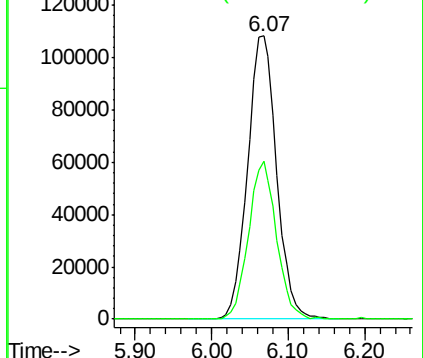
65 100

67 53.5 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

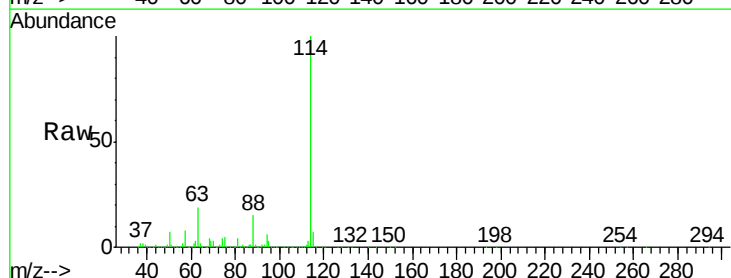
Tgt Ion: 114 Resp: 831205

Ion Ratio Lower Upper

114 100

63 18.9 0.0 34.8

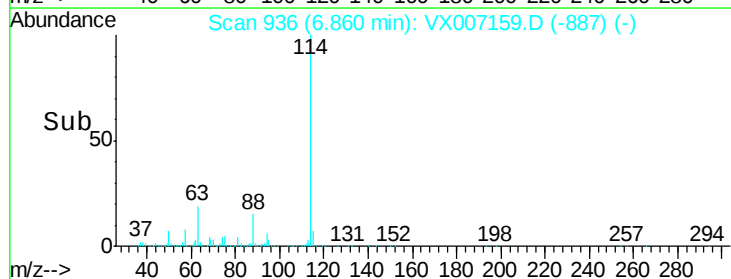
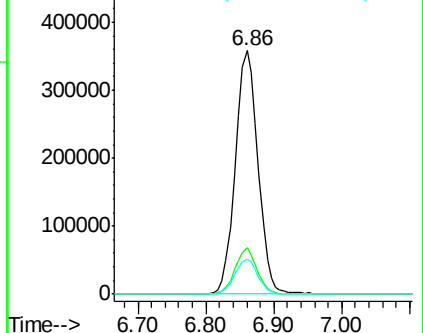
88 14.6 0.0 28.8

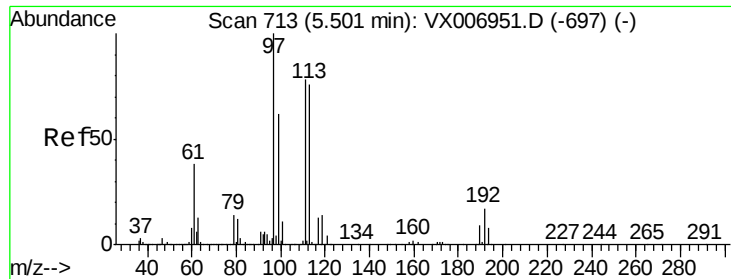


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

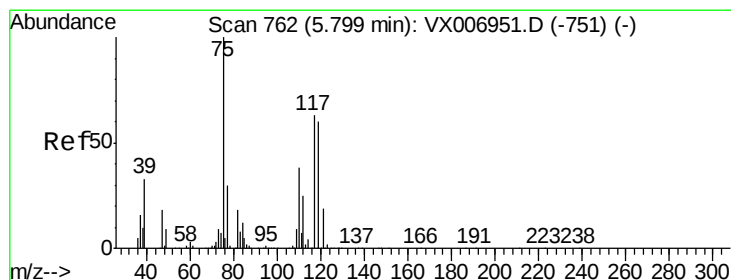
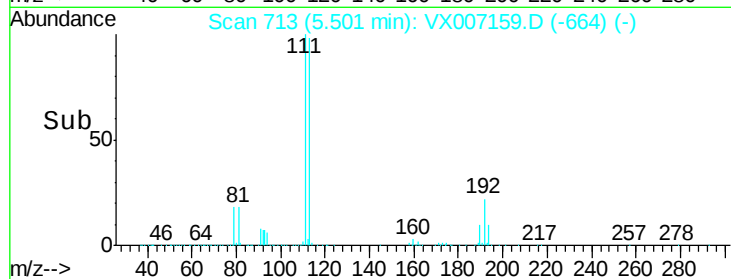
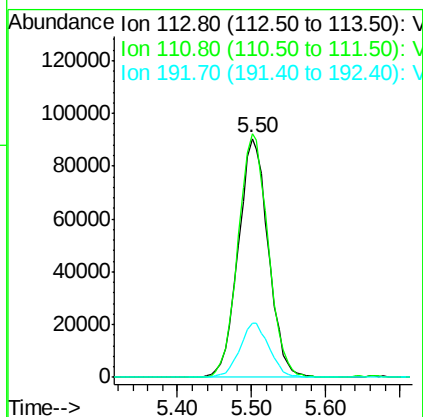
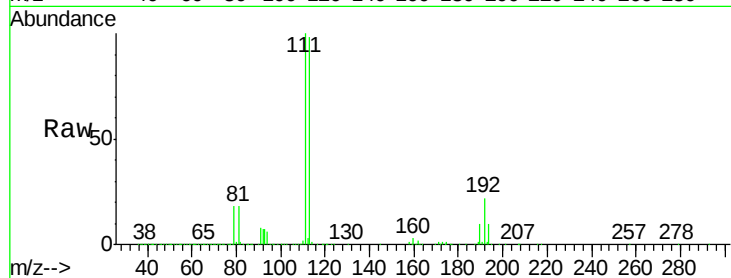




#35
 Dibromofluoromethane
 Concen: 47.944 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

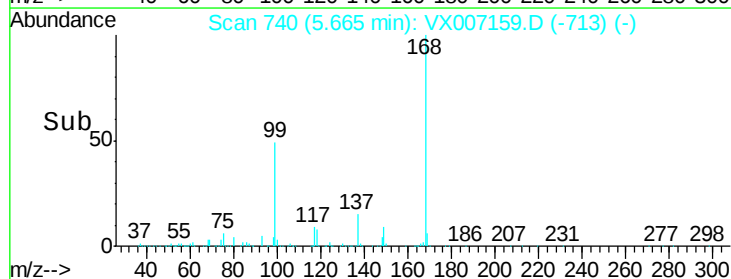
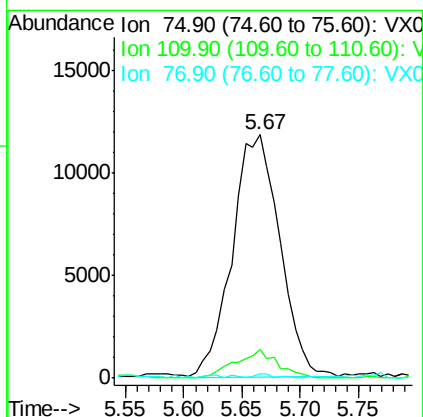
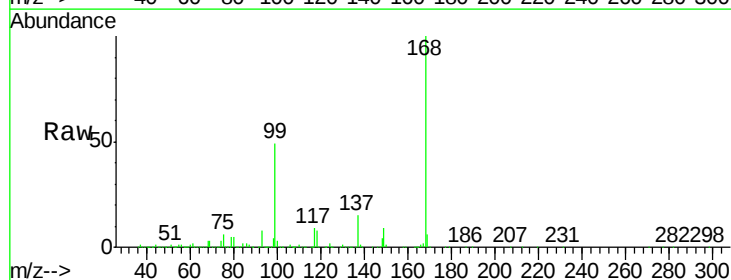
Instrument :
 MSVOA_X
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 SA-TW519-4256

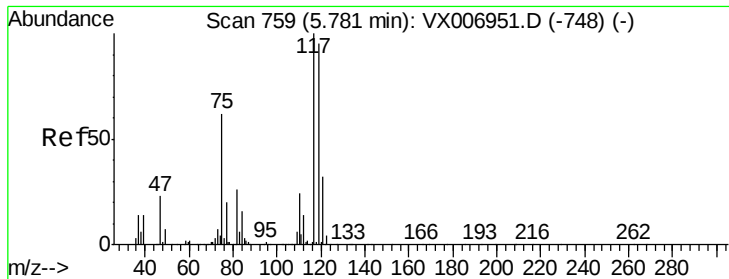
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.6	122.4
192	22.3	16.7	25.1



#36
 1,1-Dichloropropene
 Concen: 4.628 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX007159.D
 Acq: 21 Jan 2019 15:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	10.6	20.2	60.5#
77	0.6	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.784 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-4256

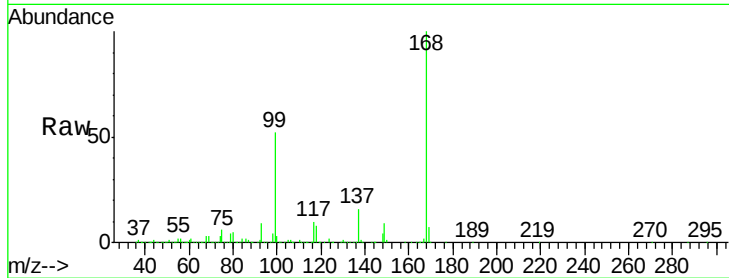
Tot Ion:117 Resp: 49326

Ion Ratio Lower Upper

117 100

119 4.2 79.4 119.2#

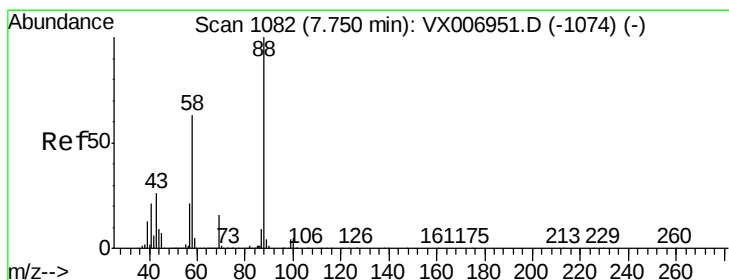
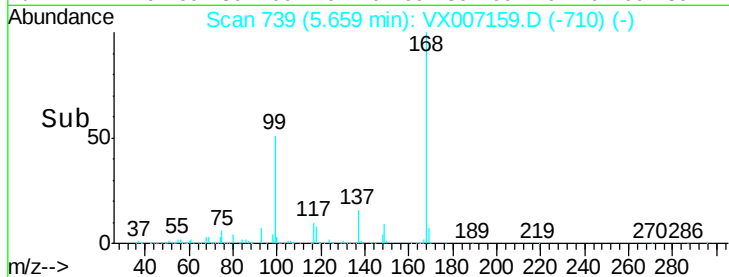
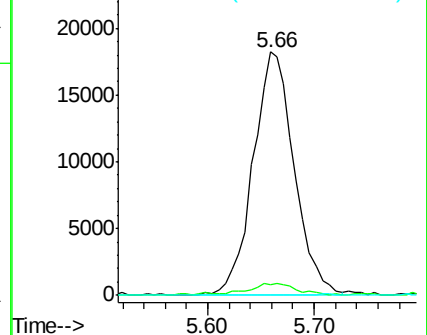
121 0.0 24.0 36.0#



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: 7.77 min Scan# 1085

Delta R.T. 0.02 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

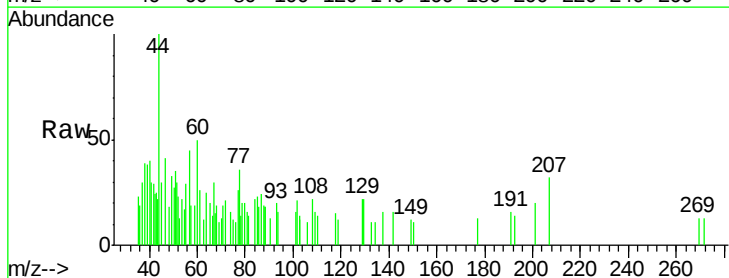
Tgt Ion: 88 Resp: 228

Ion Ratio Lower Upper

88 100

43 150.9 22.2 33.4#

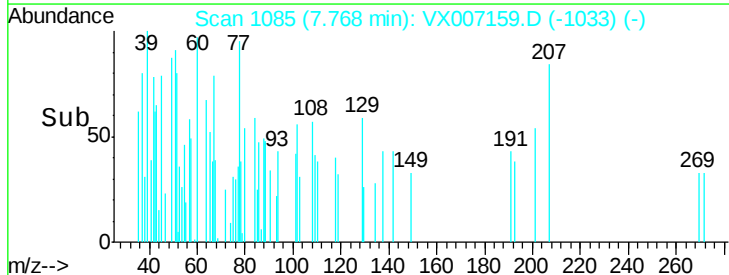
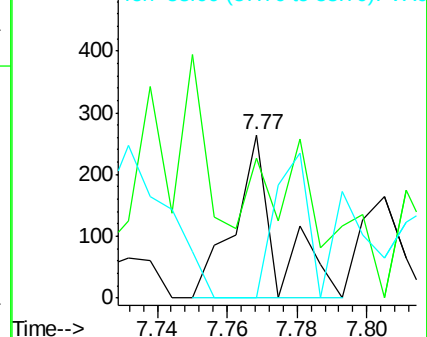
58 66.7 51.0 76.4

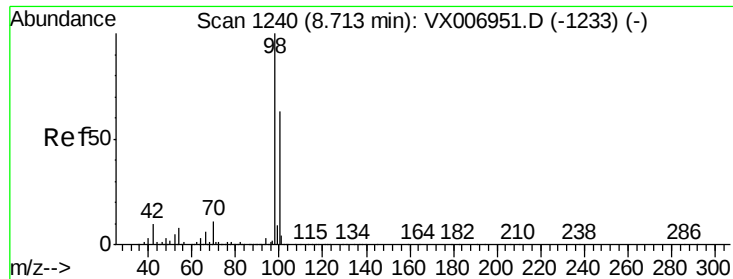


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.462 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

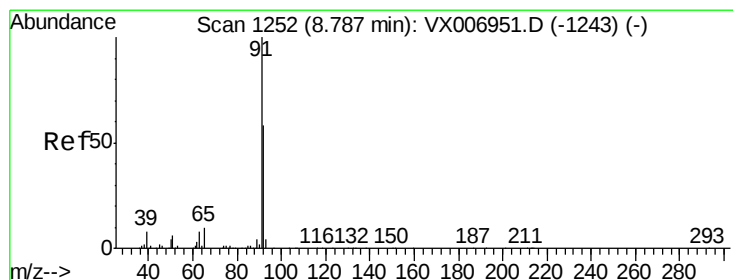
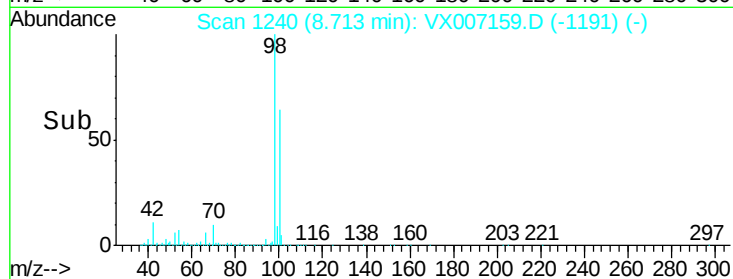
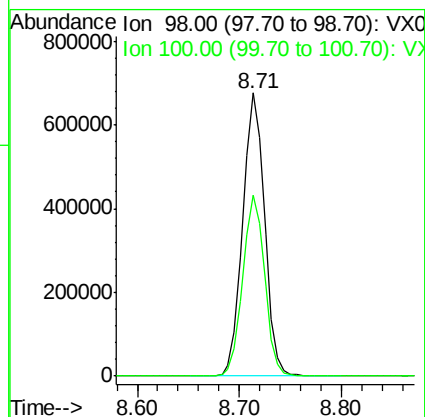
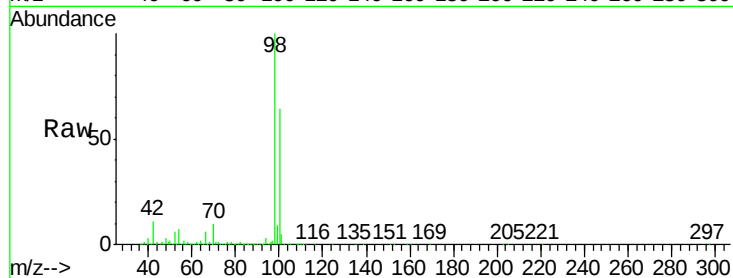
SA-TW519-4256

Tot Ion: 98 Resp: 1002676

Ion Ratio Lower Upper

98 100

100 63.9 52.0 78.0



#52

Toluene

Concen: 0.305 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX007159.D

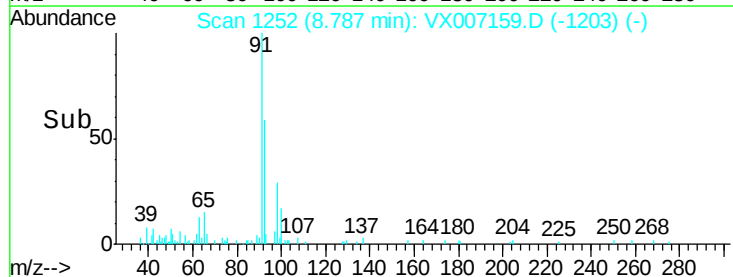
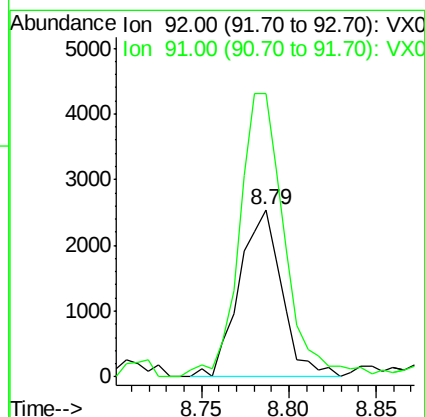
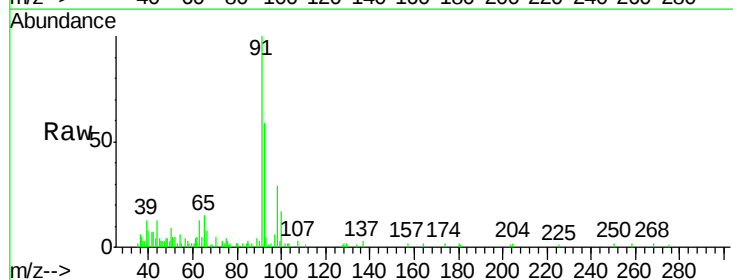
Acq: 21 Jan 2019 15:22

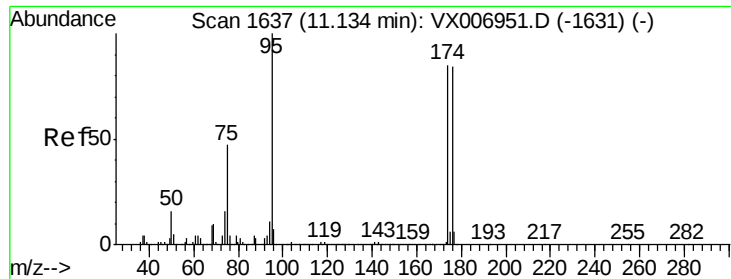
Tgt Ion: 92 Resp: 4317

Ion Ratio Lower Upper

92 100

91 180.8 137.6 206.4





#62

4-Bromofluorobenzene

Concen: 53.794 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-4256

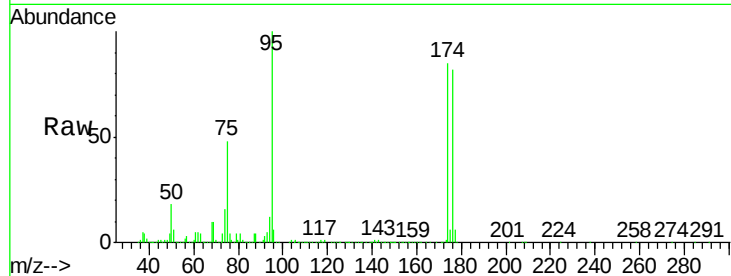
Tot Ion: 95 Resp: 365394

Ion Ratio Lower Upper

95 100

174 91.5 0.0 182.2

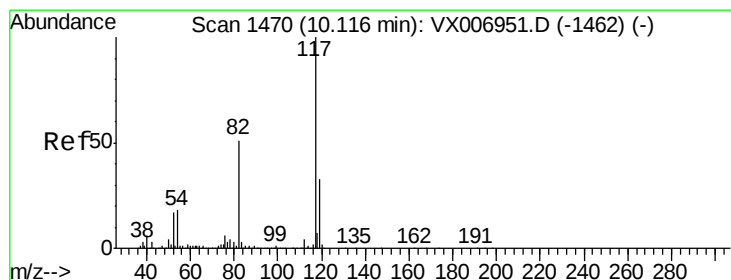
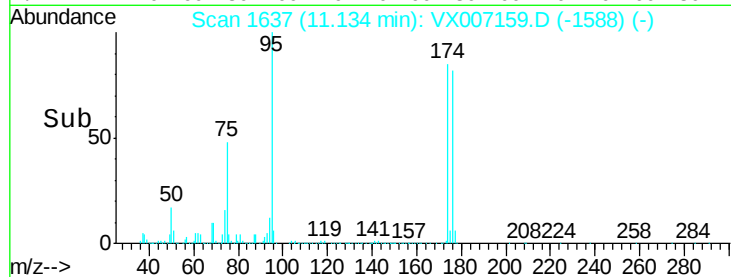
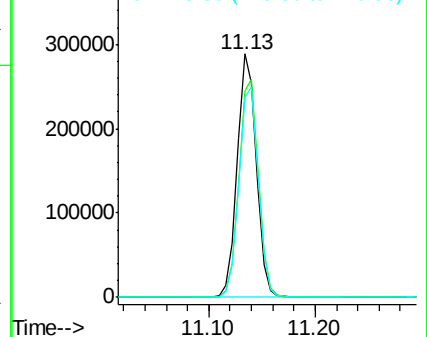
176 88.5 0.0 178.8



Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX006951.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX006951.D (-1631) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

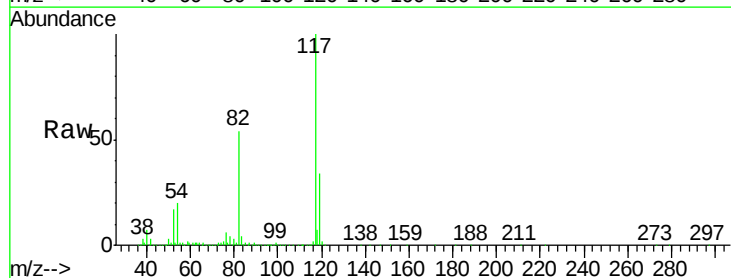
Tgt Ion: 117 Resp: 782025

Ion Ratio Lower Upper

117 100

82 53.6 41.0 61.6

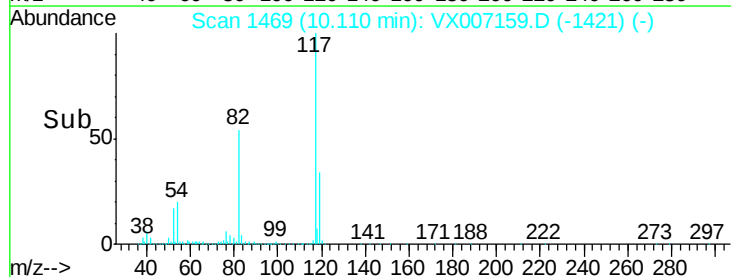
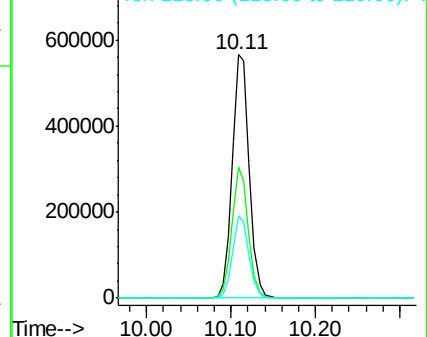
119 33.6 25.4 38.0

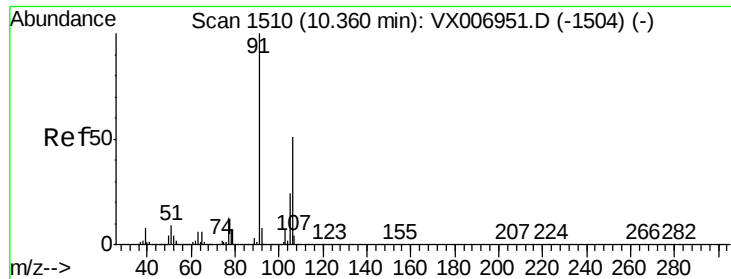


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX006951.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX006951.D (-1462) (-)





#68

m/p-Xvlenes

Concen: 0.243 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

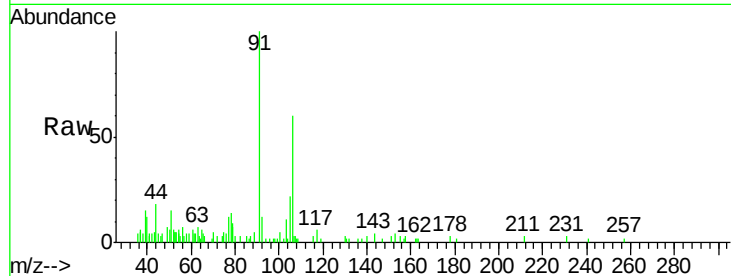
SA-TW519-4256

Tot Ion:106 Resp: 2696

Ion Ratio Lower Upper

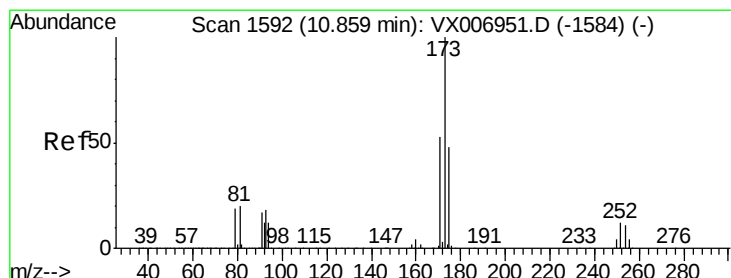
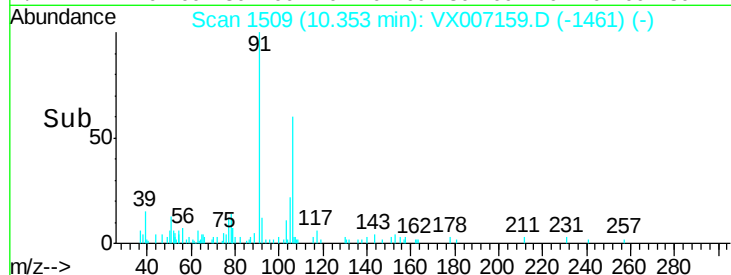
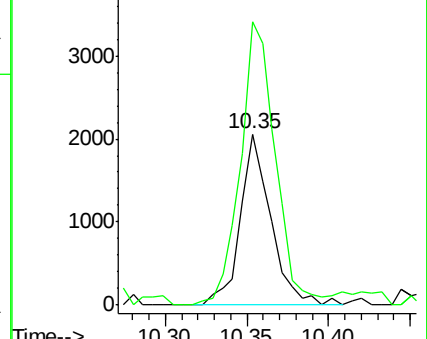
106 100

91 188.8 155.8 233.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#71

Bromoform

Concen: 4.749 ug/l

RT: 10.86 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

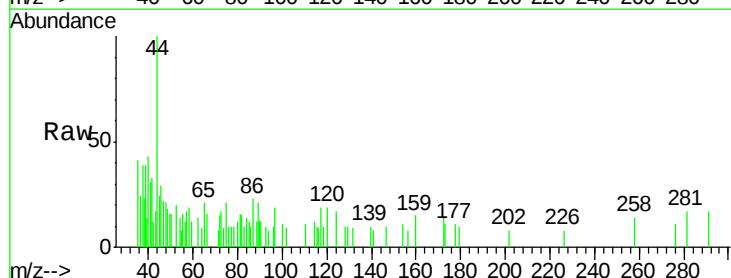
Tgt Ion:173 Resp: 121

Ion Ratio Lower Upper

173 100

175 0.0 24.7 74.1#

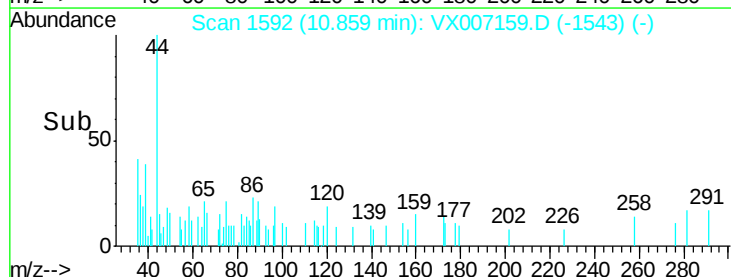
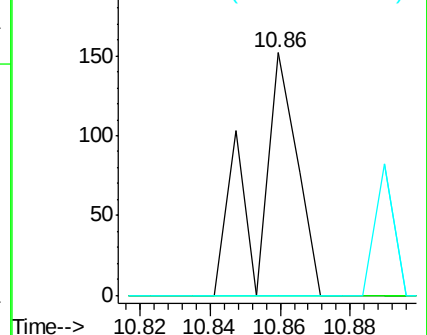
254 0.0 0.2 0.2#

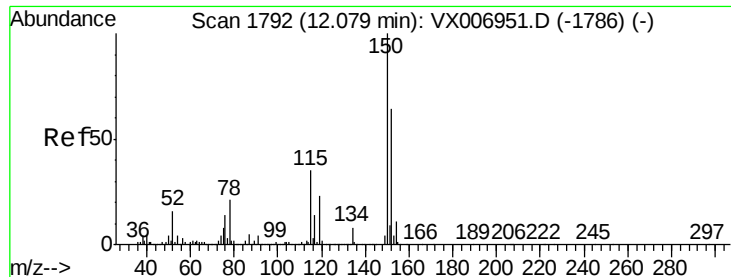


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-4256

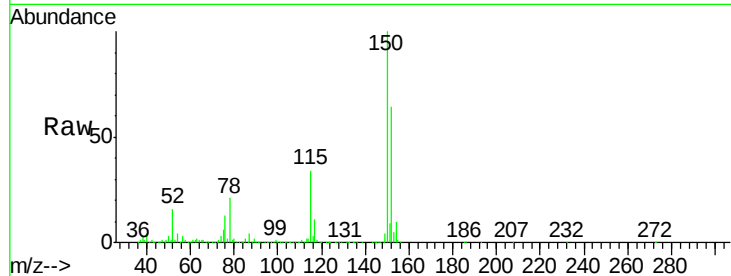
Tot Ion:152 Resp: 397445

Ion Ratio Lower Upper

152 100

115 53.9 39.1 117.2

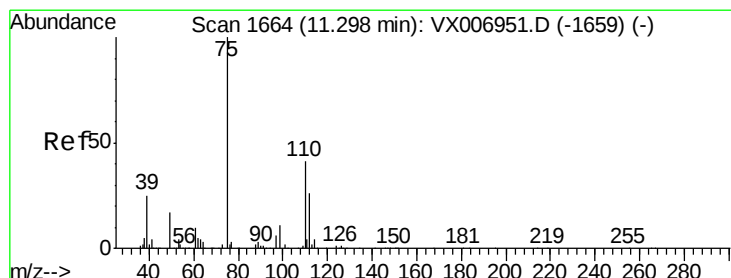
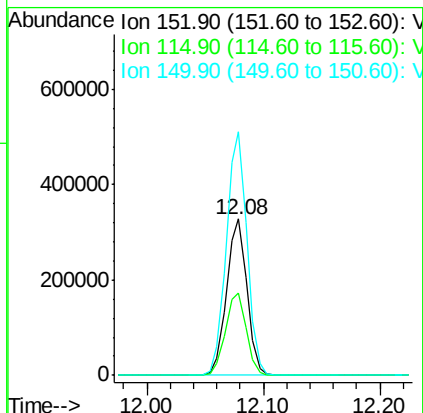
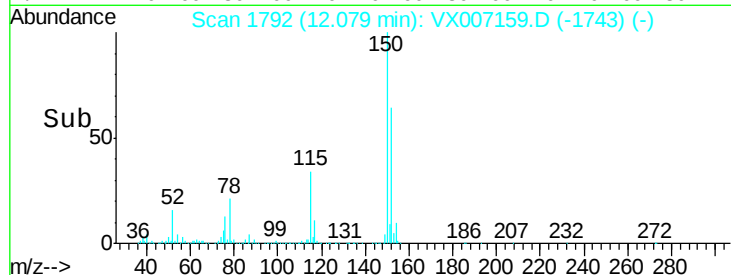
150 157.7 0.0 344.8



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: 21.570 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX007159.D

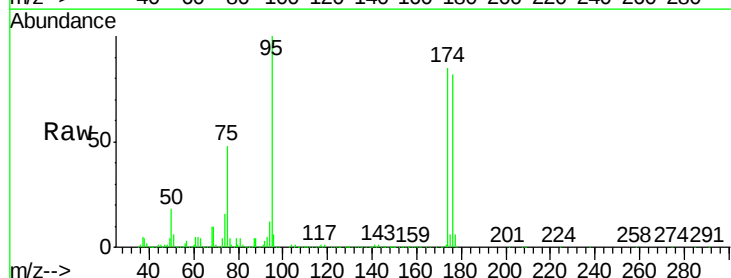
Acq: 21 Jan 2019 15:22

Tgt Ion: 75 Resp: 173728

Ion Ratio Lower Upper

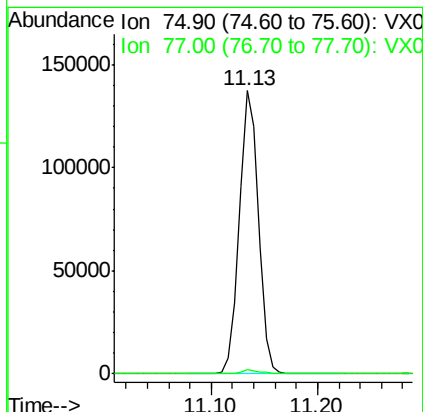
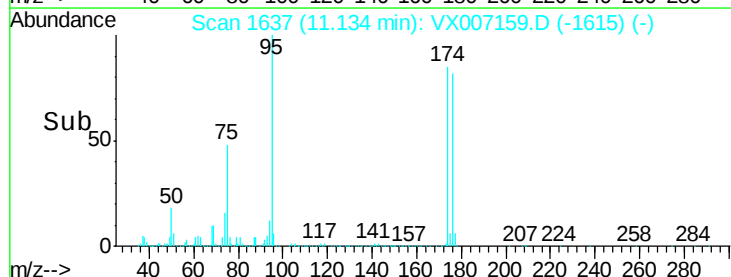
75 100

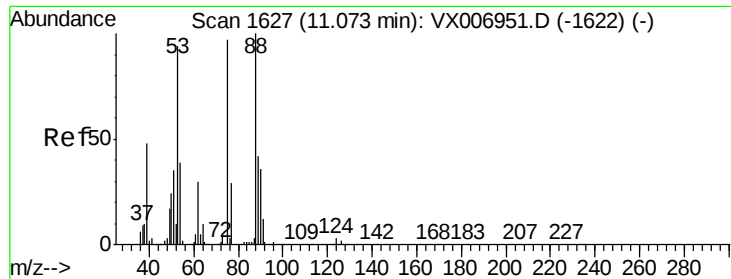
77 1.3 18.5 55.5#



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: 63.954 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

SA-TW519-4256

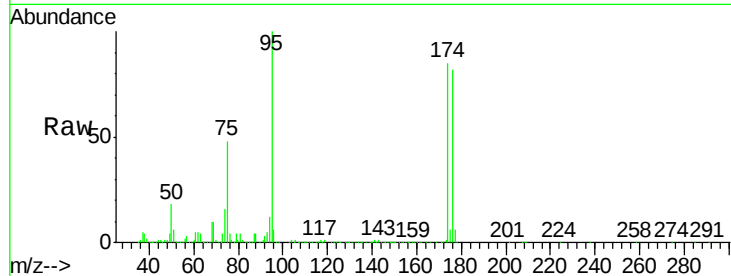
Tot Ion: 75 Resp: 173728

Ion Ratio Lower Upper

75 100

53 0.3 79.7 119.5#

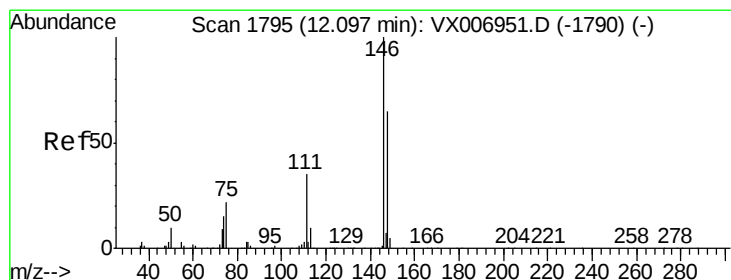
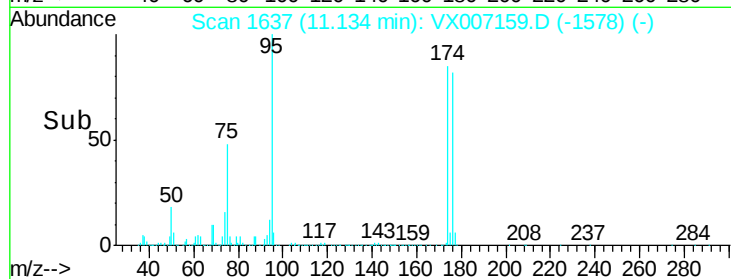
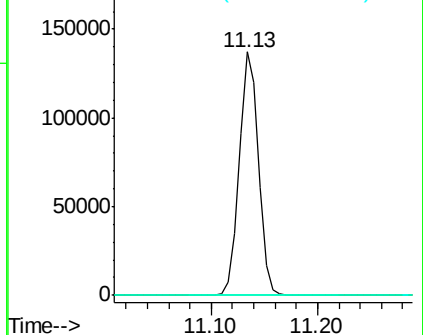
89 0.1 38.0 57.0#



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



#88

1,4-Dichlorobenzene

Concen: 0.204 ug/l

RT: 12.02 min Scan# 1783

Delta R.T. -0.07 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

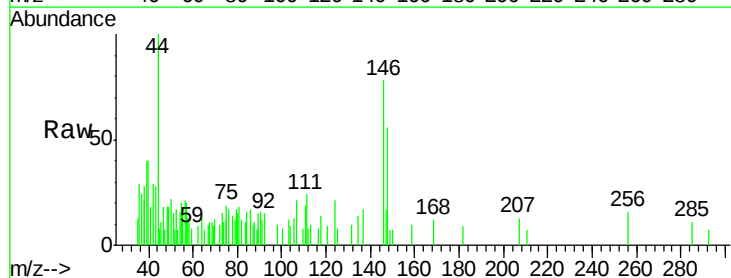
Tgt Ion: 146 Resp: 788

Ion Ratio Lower Upper

146 100

111 39.3 18.1 54.1

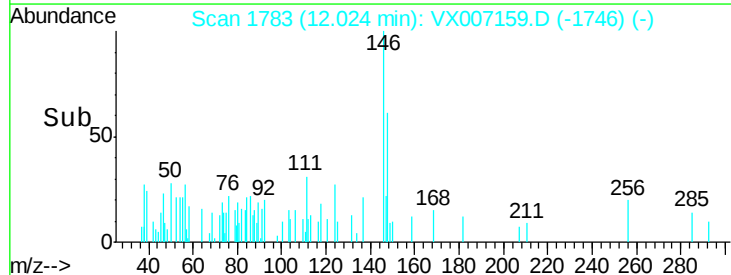
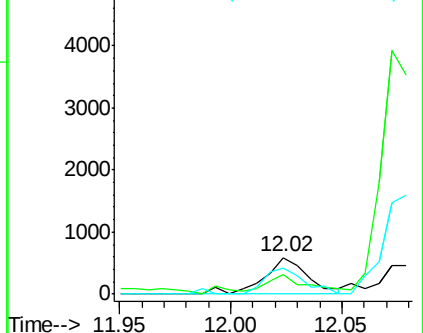
148 65.2 31.9 95.9

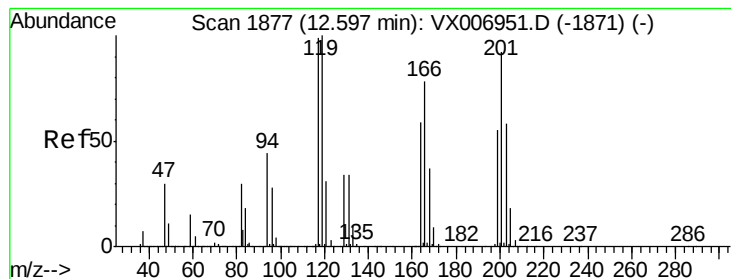


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#90

Hexachloroethane

Concen: 2.923 ug/l

RT: 12.68 min Scan# 1890

Delta R.T. 0.08 min

Lab File: VX007159.D

Acq: 21 Jan 2019 15:22

Instrument :

MSVOA_X

ClientSampleId :

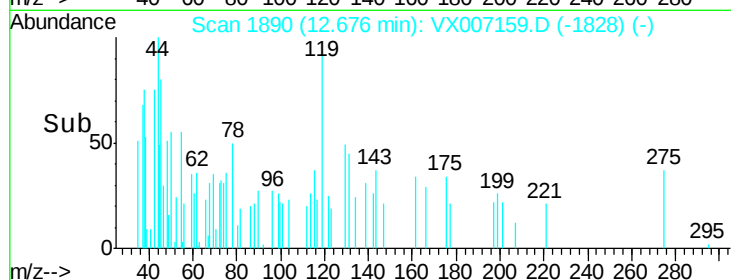
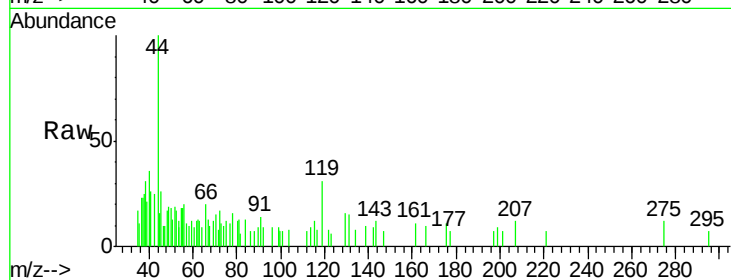
SA-TW519-4256

Tot Ion:117 Resp: 61

Ion Ratio Lower Upper

117 100

201 91.8 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

