

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX012219\
 Data File : VX007188.D
 Acq On : 22 Jan 2019 18:08
 Operator : JC/SP
 Sample : K1214-11
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW531-2327

Quant Time: Jan 23 00:06:22 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	514300	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	797917	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	756846	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	371080	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	277590	51.65	ug/l	0.00
Spiked Amount			Recovery	=	103.30%	
35) Dibromofluoromethane	5.51	113	248234	48.58	ug/l	0.00
Spiked Amount			Recovery	=	97.16%	
50) Toluene-d8	8.71	98	967013	51.70	ug/l	0.00
Spiked Amount			Recovery	=	103.40%	
62) 4-Bromofluorobenzene	11.13	95	341583	52.39	ug/l	0.00
Spiked Amount			Recovery	=	104.78%	

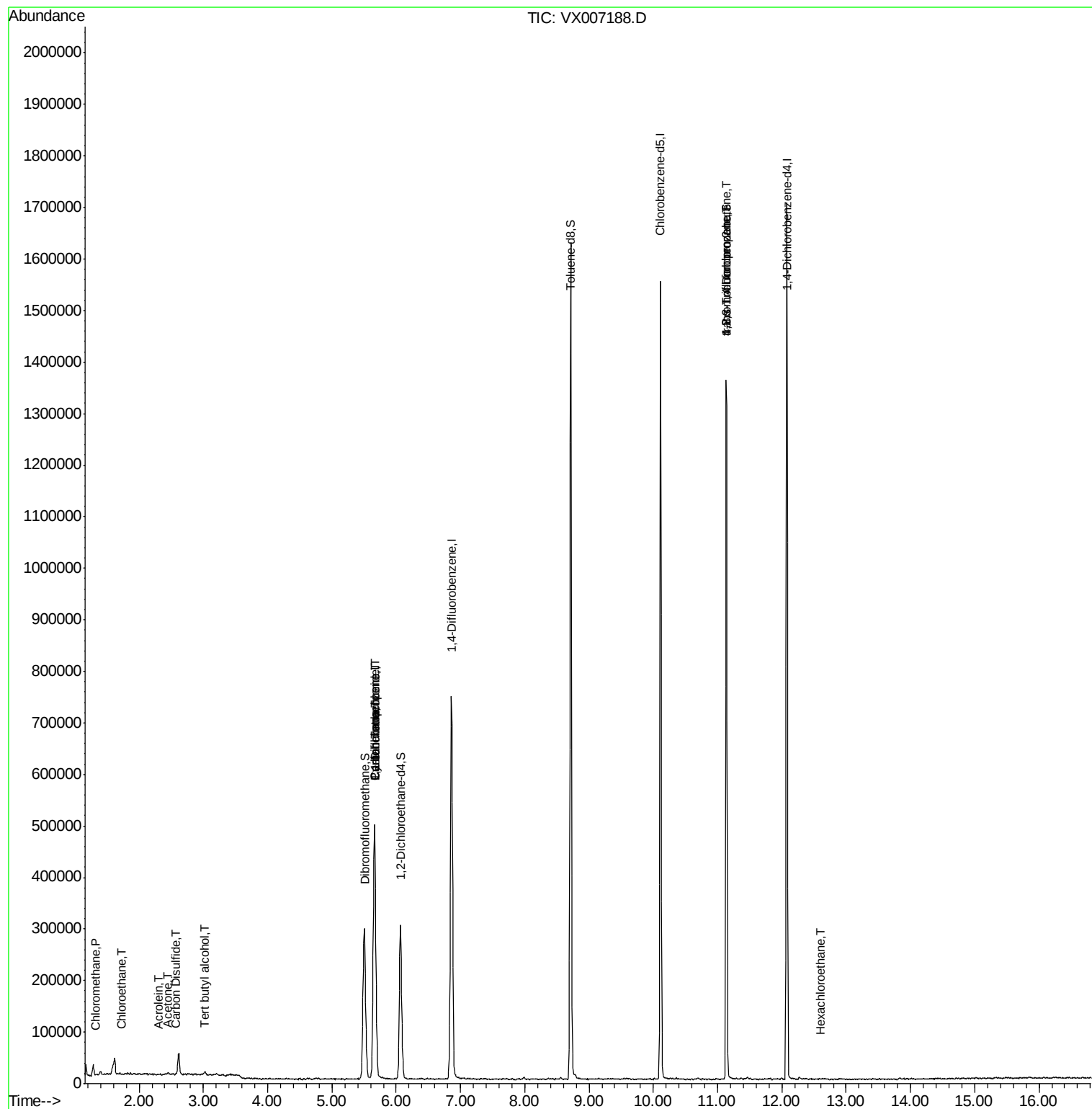
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	1086	0.221	ug/l #	49
6) Chloroethane	1.73	64	1191	0.323	ug/l #	42
11) Tert butyl alcohol	3.02	59	3899	3.075	ug/l #	83
13) Acrolein	2.29	56	214	3.471	ug/l	95
16) Acetone	2.45	43	6366	2.396	ug/l	91
17) Carbon Disulfide	2.57	76	2648	0.218	ug/l #	63
20) Methylene Chloride	2.86	84	333	Below Cal	#	81
31) Cyclohexane	5.66	56	9183	1.212	ug/l #	16
36) 1,1-Dichloropropene	5.67	75	34357	4.953	ug/l #	48
38) Carbon Tetrachloride	5.66	117	46845	6.712	ug/l #	15
49) 1,4-Dioxane	7.75	88	43	Below Cal	#	1
76) 1,2,3-Trichloropropane	11.13	75	165423	21.998	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	165423	65.148	ug/l #	10
90) Hexachloroethane	12.60	117	100	2.934	ug/l	56

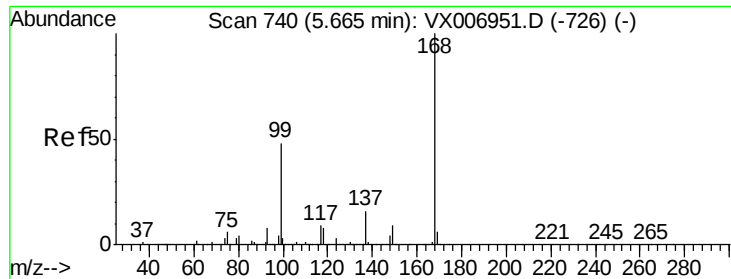
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

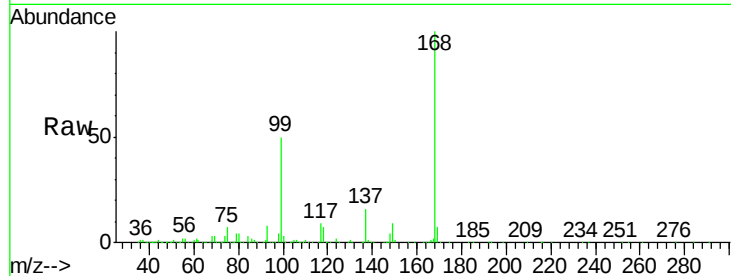
SA-TW531-2327

Tot Ion:168 Resp: 514300

Ion Ratio Lower Upper

168 100

99 50.3 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

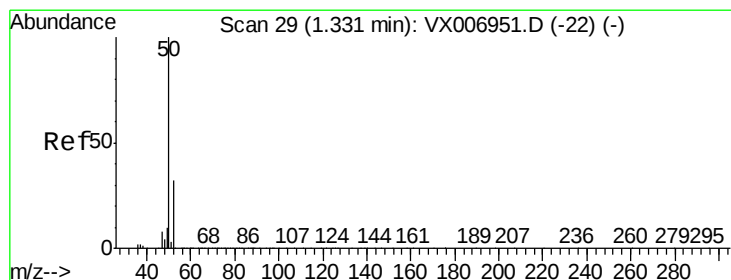
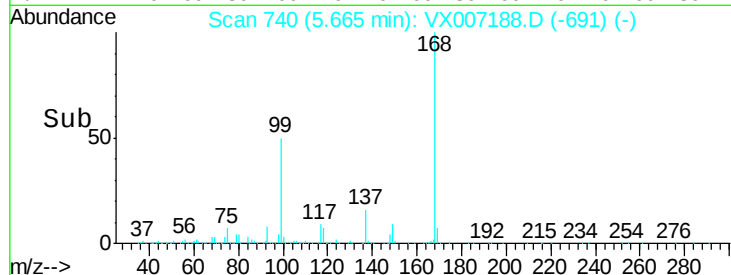
150000

100000

50000

0

Time--> 5.50 5.60 5.70 5.80



#3

Chloromethane

Concen: 0.221 ug/l

RT: 1.32 min Scan# 28

Delta R.T. -0.01 min

Lab File: VX007188.D

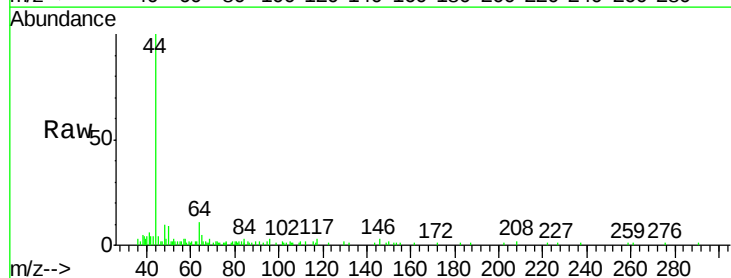
Acq: 22 Jan 2019 18:08

Tgt Ion: 50 Resp: 1086

Ion Ratio Lower Upper

50 100

52 3.7 25.4 38.2#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

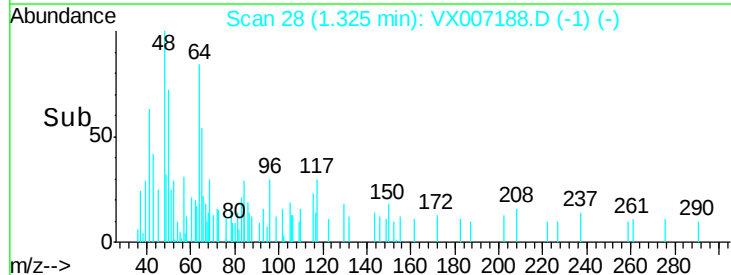
600

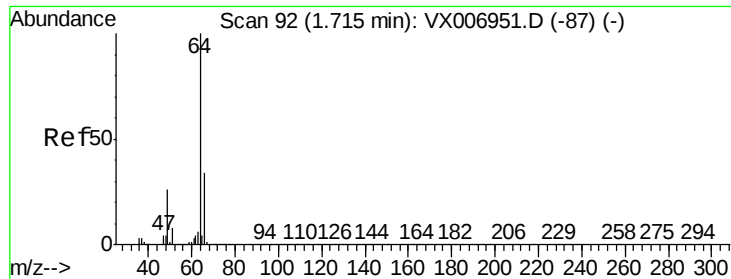
400

200

0

Time--> 1.30 1.35





#6

Chloroethane

Concen: 0.323 ug/l

RT: 1.73 min Scan# 94

Delta R.T. 0.01 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

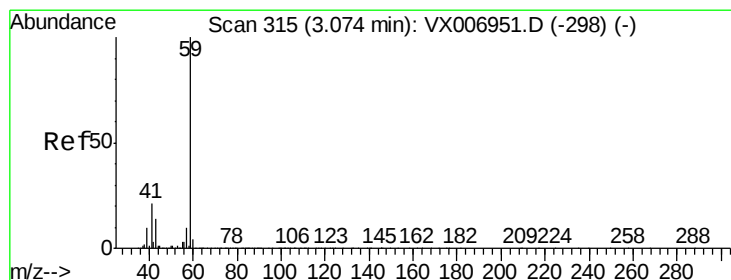
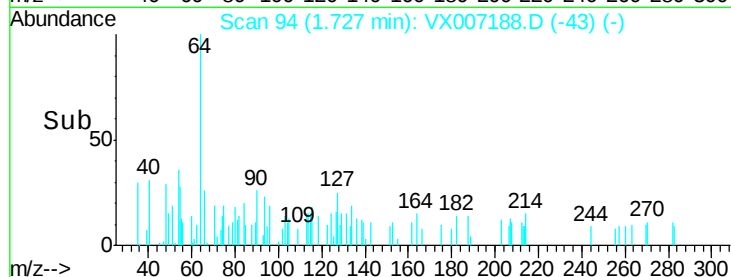
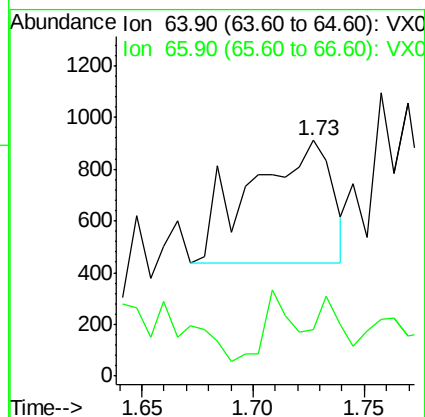
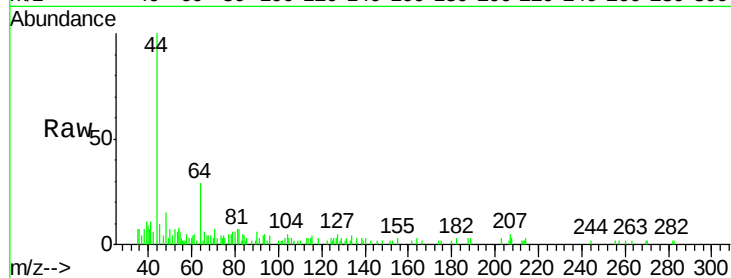
SA-TW531-2327

Tot Ion: 64 Resp: 1191

Ion Ratio Lower Upper

64 100

66 0.0 26.4 39.6#



#11

Tert butyl alcohol

Concen: 3.075 ug/l

RT: 3.02 min Scan# 306

Delta R.T. -0.05 min

Lab File: VX007188.D

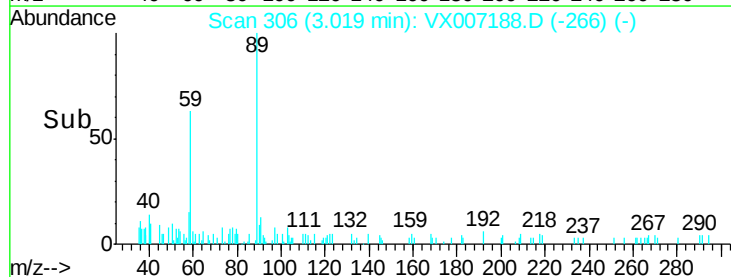
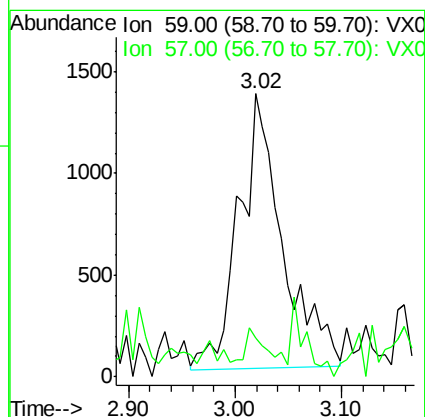
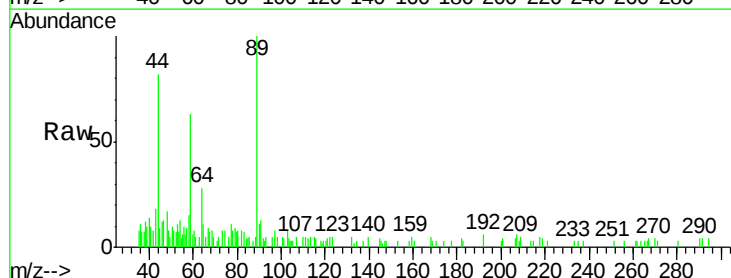
Acq: 22 Jan 2019 18:08

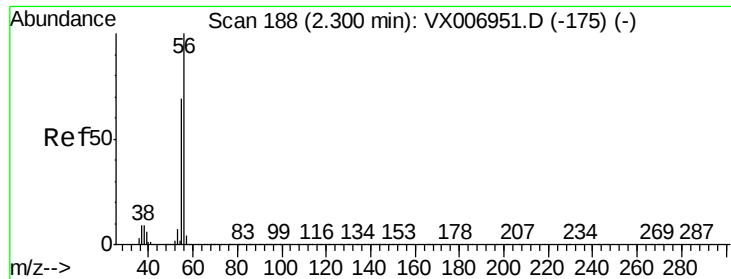
Tgt Ion: 59 Resp: 3899

Ion Ratio Lower Upper

59 100

57 4.4 8.5 12.7#

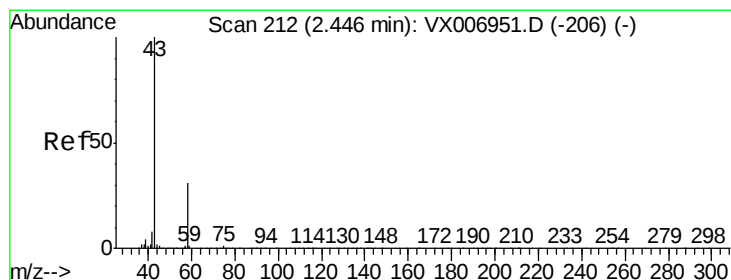
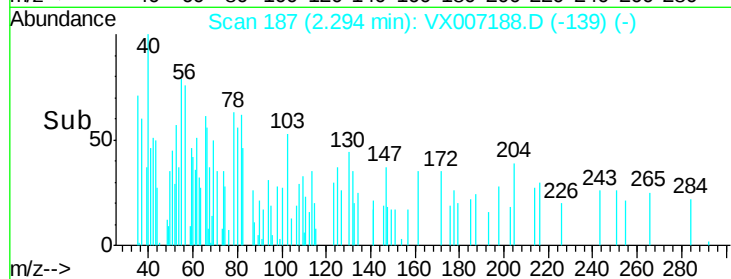
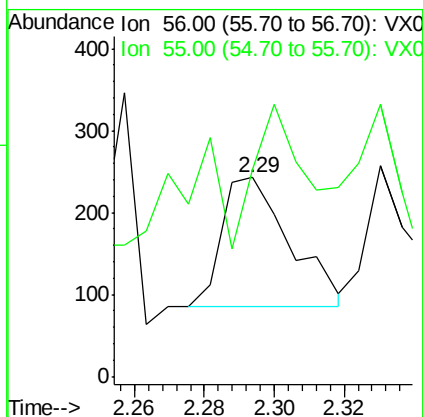
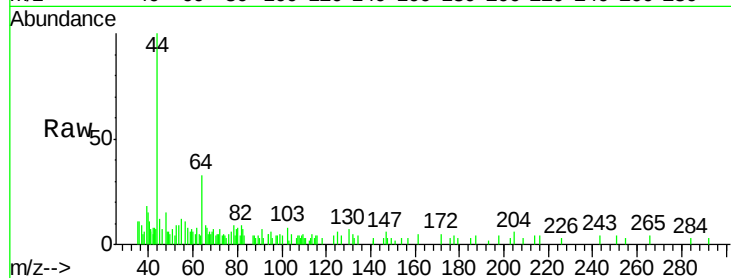




#13
Acrolein
Concen: 3.471 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.01 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

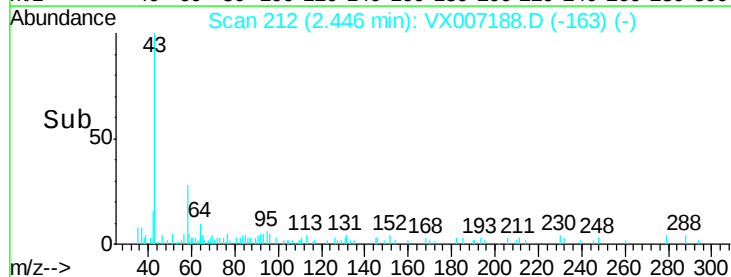
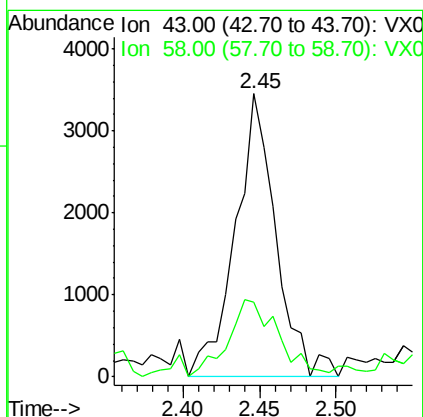
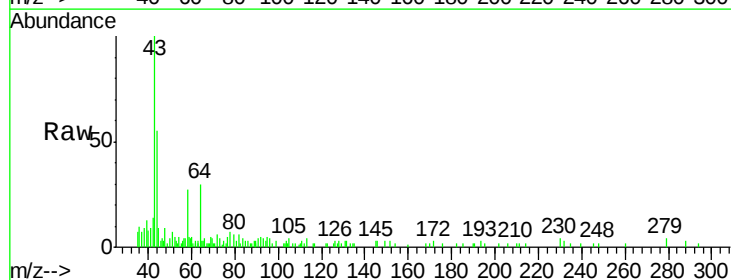
Instrument :
MSVOA_X
ClientSampleId :
SA-TW531-2327

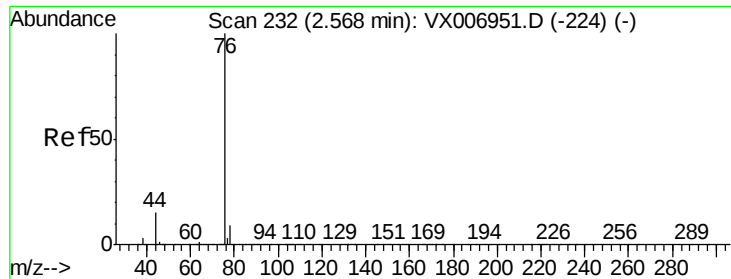
Tot Ion: 56 Resp: 214
Ion Ratio Lower Upper
56 100
55 77.1 58.2 87.4



#16
Acetone
Concen: 2.396 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

Tgt Ion: 43 Resp: 6366
Ion Ratio Lower Upper
43 100
58 26.5 25.0 37.6





#17

Carbon Disulfide

Concen: 0.218 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

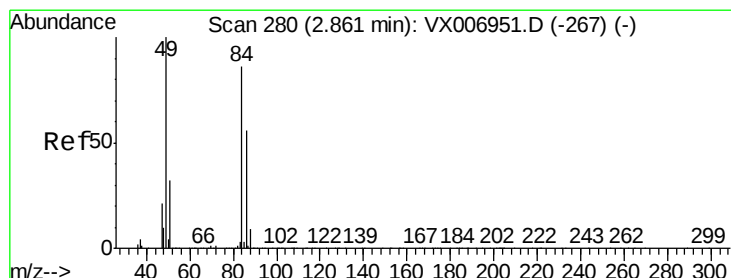
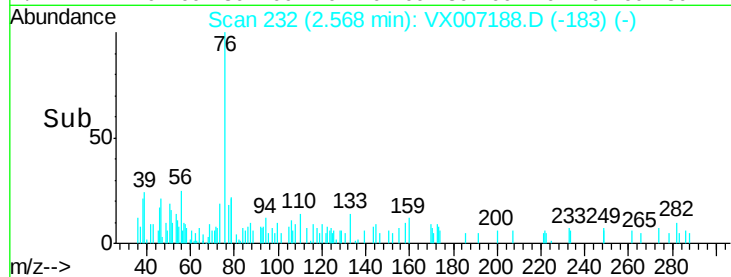
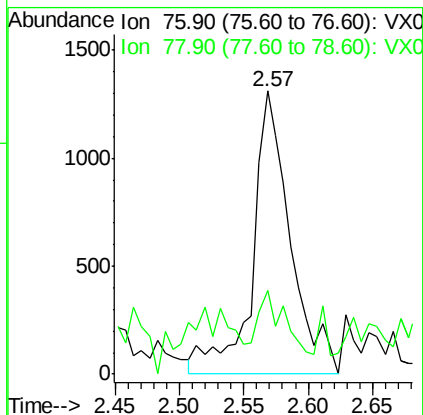
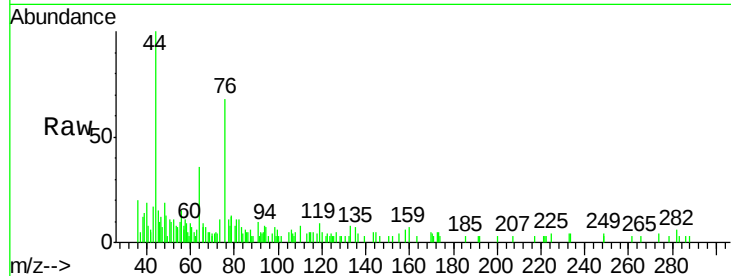
SA-TW531-2327

Tot Ion: 76 Resp: 2648

Ion Ratio Lower Upper

76 100

78 22.2 7.0 10.6#



#20

Methylene Chloride

Concen: Below Cal

RT: 2.86 min Scan# 280

Delta R.T. 0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Tgt Ion: 84 Resp: 333

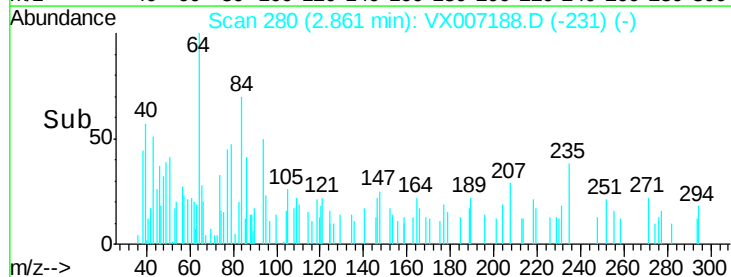
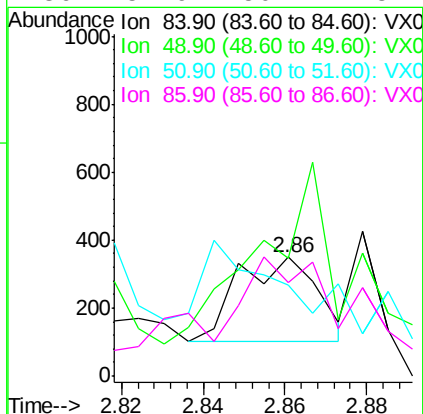
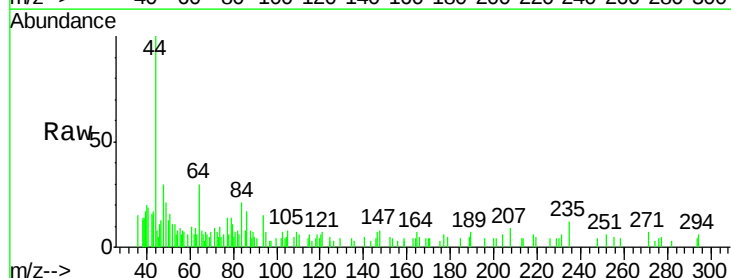
Ion Ratio Lower Upper

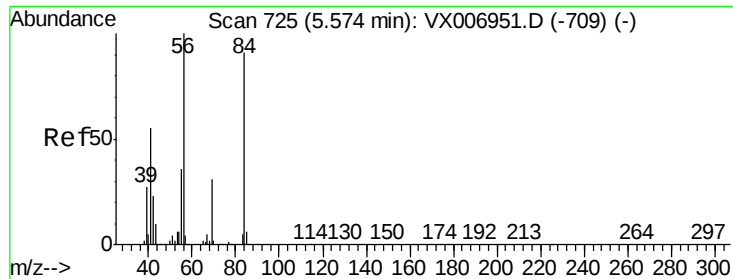
84 100

49 82.9 91.8 137.6#

51 33.3 28.5 42.7

86 54.9 50.2 75.2

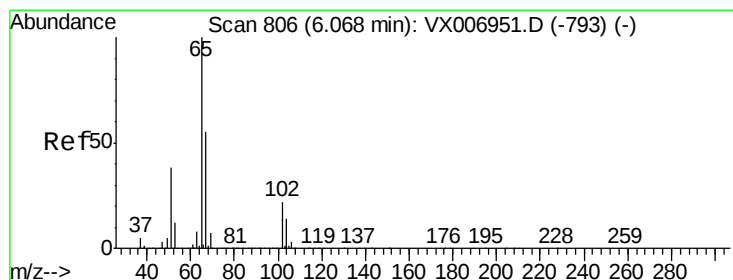
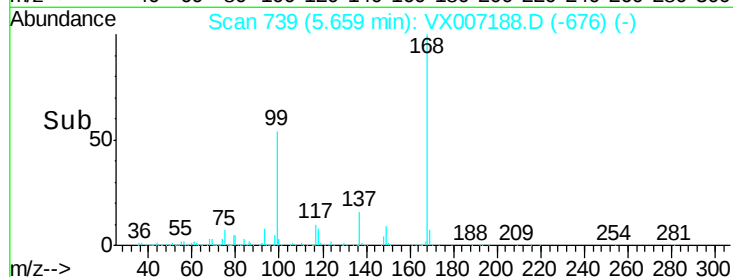
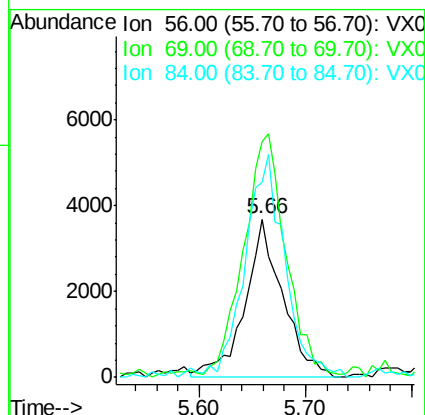
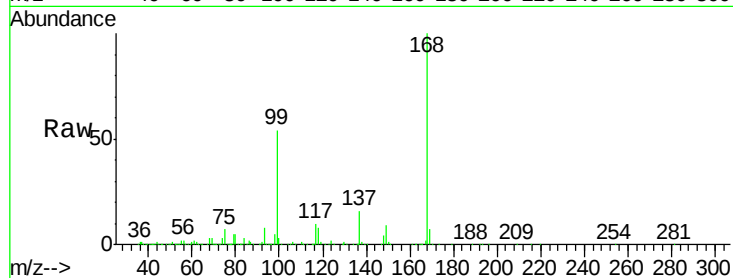




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

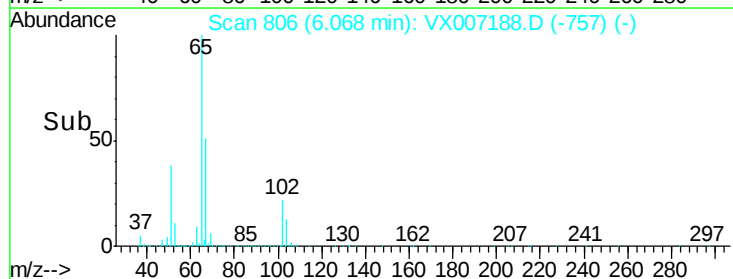
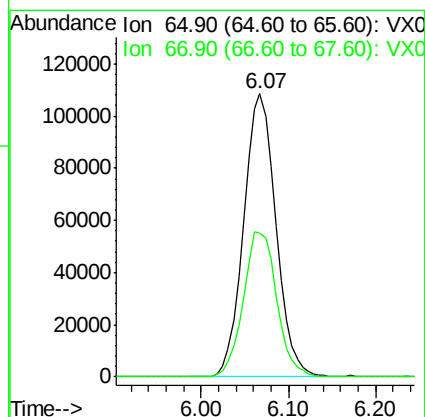
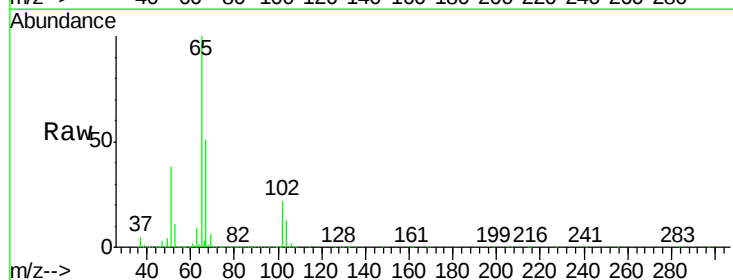
Instrument :
MSVOA_X
ClientSampleId :
SA-TW531-2327

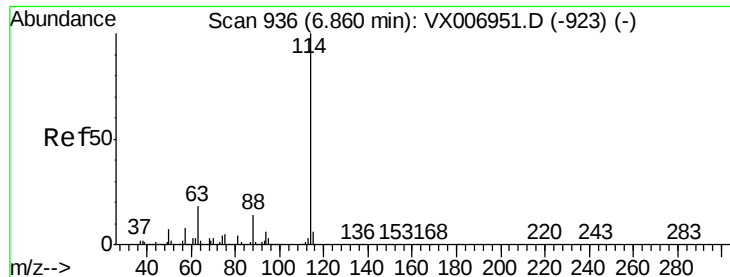
Tot Ion: 56 Resp: 9183
Ion Ratio Lower Upper
56 100
69 151.5 24.4 36.6#
84 121.4 70.0 105.0#



#33
1,2-Dichloroethane-d4
Concen: 51.646 ug/l
RT: 6.07 min Scan# 806
Delta R.T. -0.00 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

Tgt Ion: 65 Resp: 277590
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW531-2327

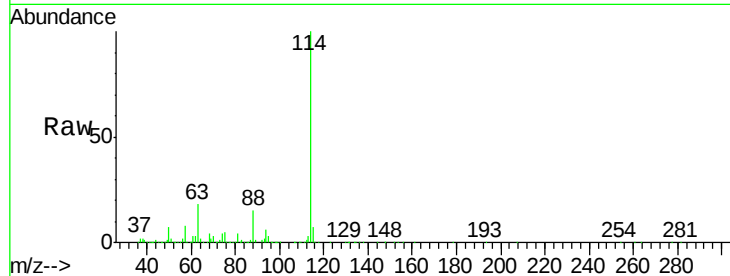
Tot Ion:114 Resp: 797917

Ion Ratio Lower Upper

114 100

63 18.4 0.0 34.8

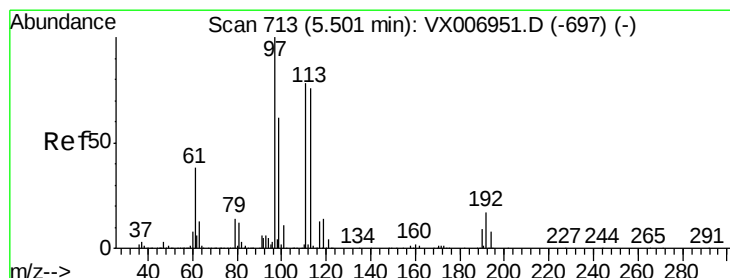
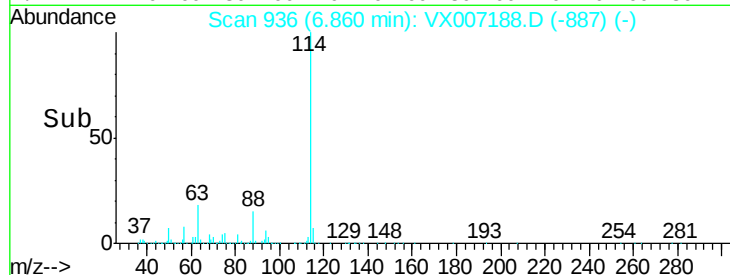
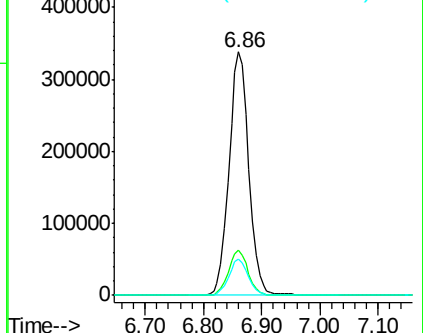
88 15.1 0.0 28.8



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: 48.580 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

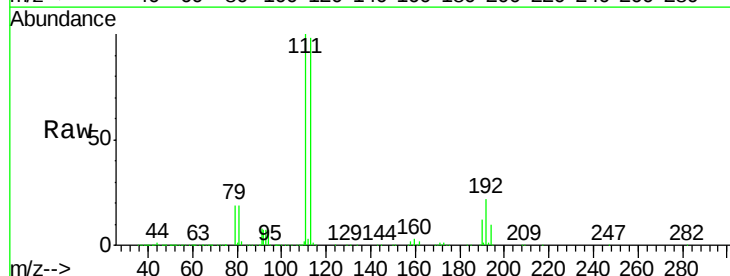
Tgt Ion:113 Resp: 248234

Ion Ratio Lower Upper

113 100

111 102.2 81.6 122.4

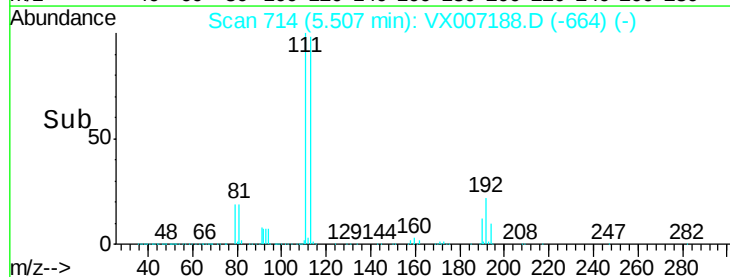
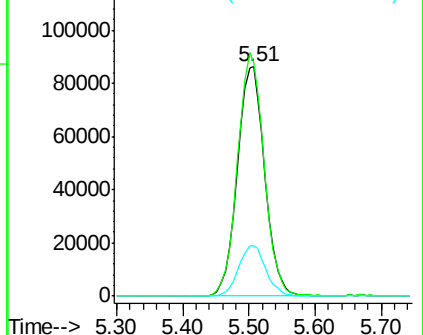
192 22.0 16.7 25.1

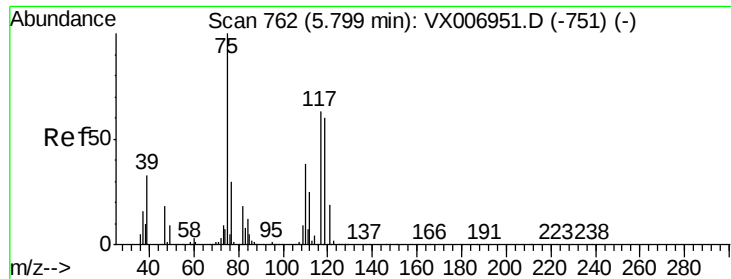


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.953 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

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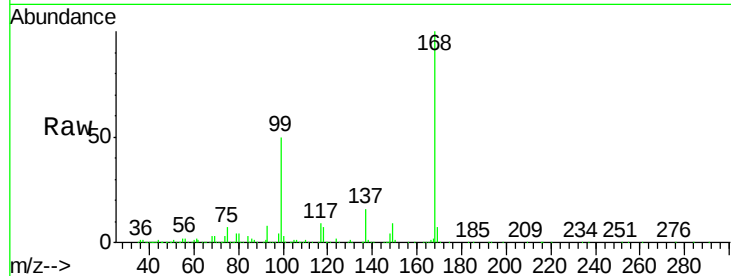
Tot Ion: 75 Resp: 34357

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

77 0.3 24.8 37.2#

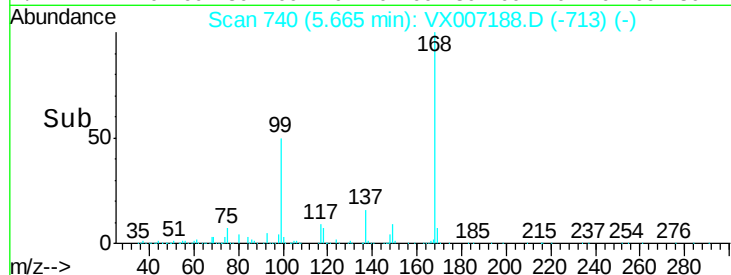


Abundance Ion 74.90 (74.60 to 75.60): VX006951.D (-751) (-)

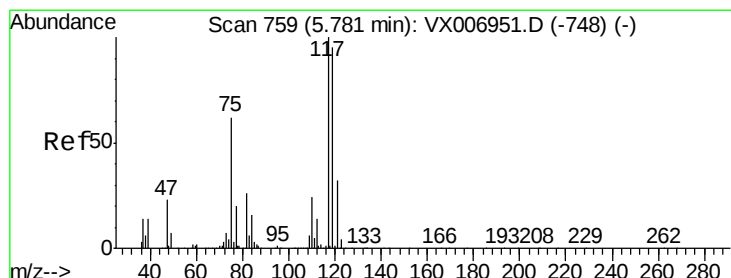
Ion 109.90 (109.60 to 110.60): VX006951.D (-751) (-)

Ion 76.90 (76.60 to 77.60): VX006951.D (-751) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 6.712 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

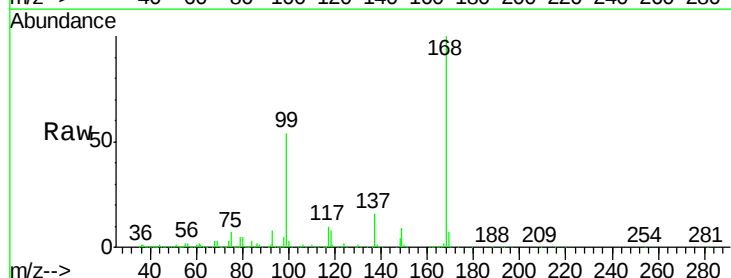
Tgt Ion: 117 Resp: 46845

Ion Ratio Lower Upper

117 100

119 5.7 79.4 119.2#

121 0.3 24.0 36.0#

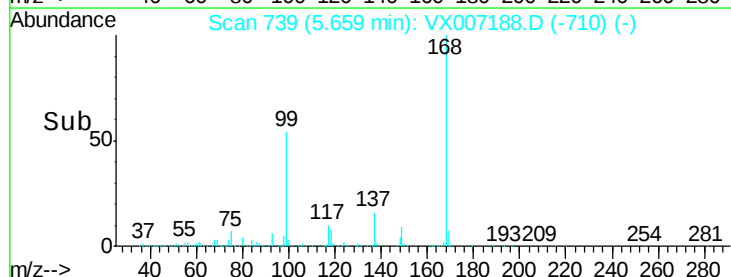


Abundance Ion 116.80 (116.50 to 117.50): VX006951.D (-748) (-)

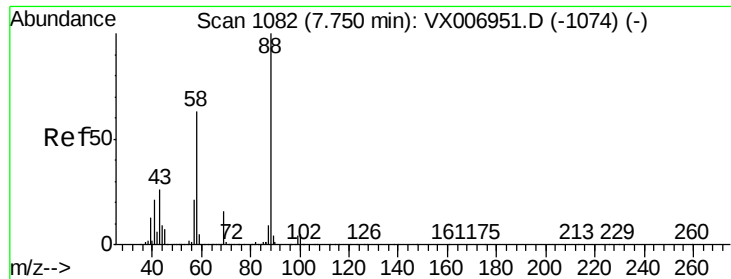
Ion 118.80 (118.50 to 119.50): VX006951.D (-748) (-)

Ion 120.80 (120.50 to 121.50): VX006951.D (-748) (-)

Time-->



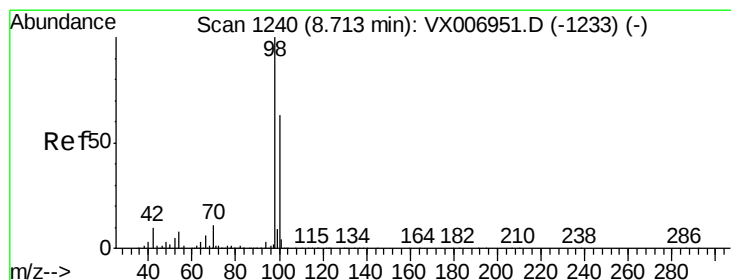
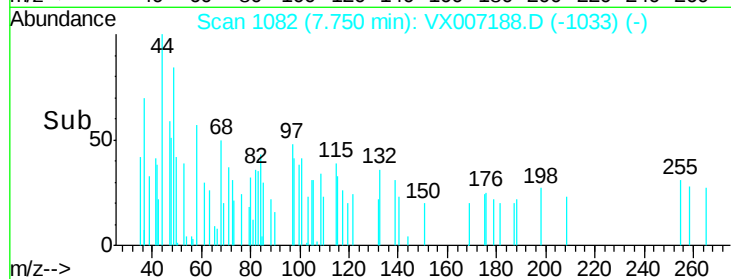
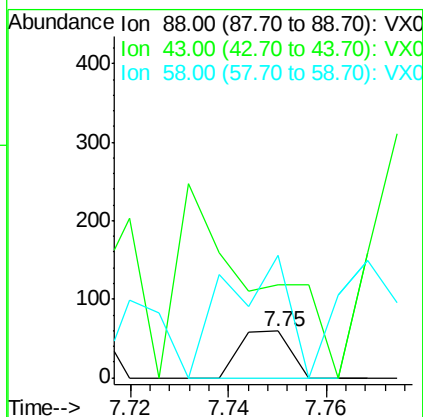
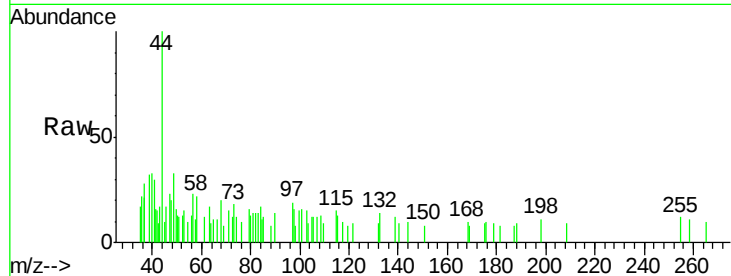
Time-->



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.75 min Scan# 1082
Delta R.T. 0.00 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

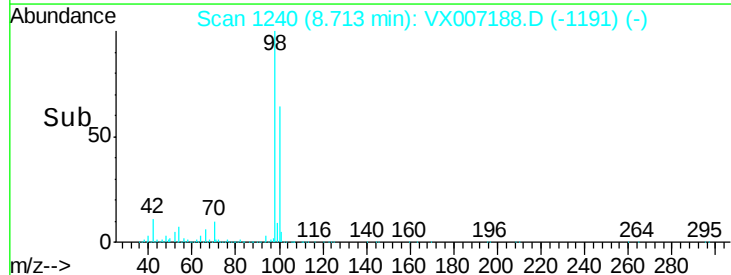
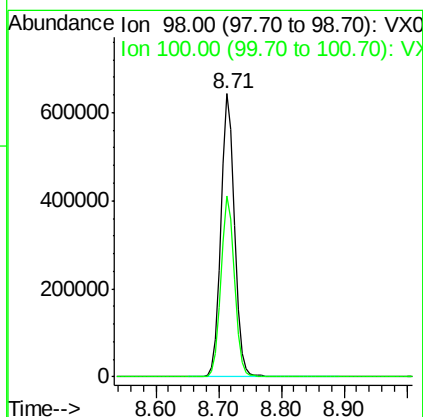
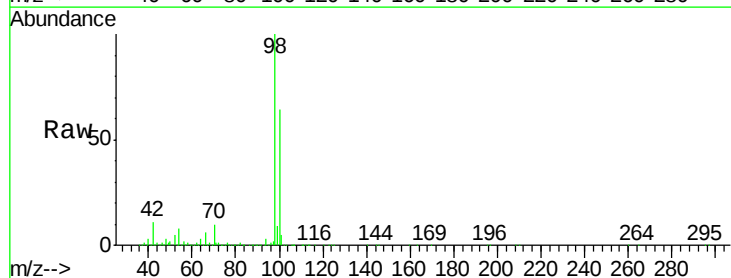
Instrument :
MSVOA_X
ClientSampleId :
SA-TW531-2327

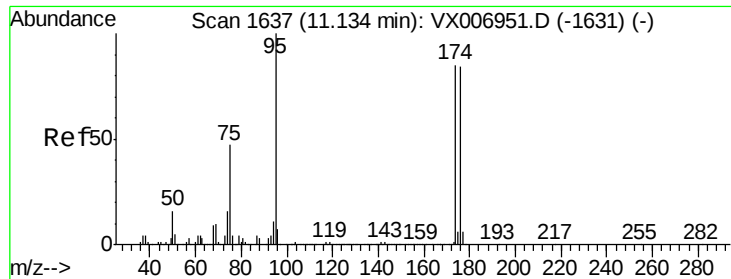
Tot Ion: 88 Resp: 43
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 323.3 51.0 76.4#



#50
Toluene-d8
Concen: 51.702 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

Tgt Ion: 98 Resp: 967013
Ion Ratio Lower Upper
98 100
100 63.5 52.0 78.0





#62

4-Bromofluorobenzene

Concen: 52.386 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW531-2327

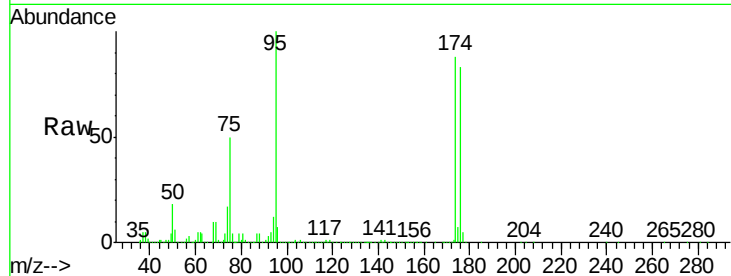
Tot Ion: 95 Resp: 341583

Ion Ratio Lower Upper

95 100

174 93.2 0.0 182.2

176 89.5 0.0 178.8

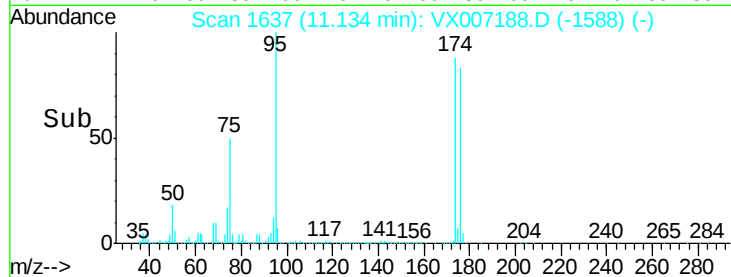


Abundance Ion 94.90 (94.60 to 95.60): VX006951.D (-1631) (-)

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

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

Time--> 11.05 11.10 11.15 11.20

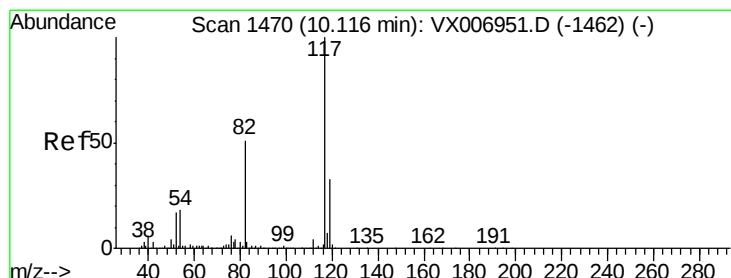


Abundance Ion 94.90 (94.60 to 95.60): VX007188.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX007188.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX007188.D (-1588) (-)

Time--> 11.05 11.10 11.15 11.20



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. -0.00 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

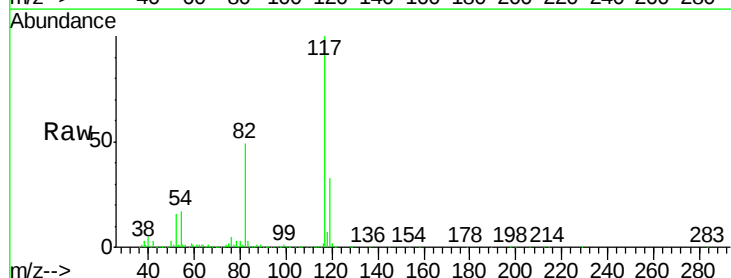
Tgt Ion: 117 Resp: 756846

Ion Ratio Lower Upper

117 100

82 48.9 41.0 61.6

119 32.5 25.4 38.0

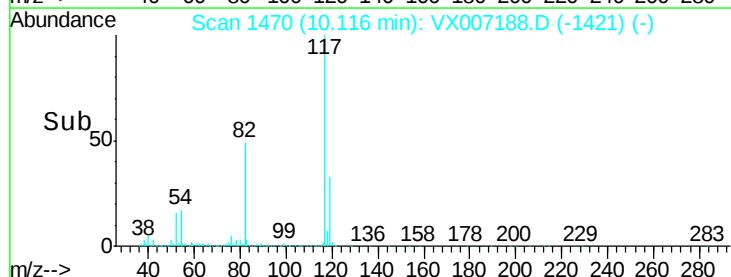


Abundance Ion 116.90 (116.60 to 117.60): VX006951.D (-1462) (-)

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

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

Time--> 10.00 10.10 10.20 10.30

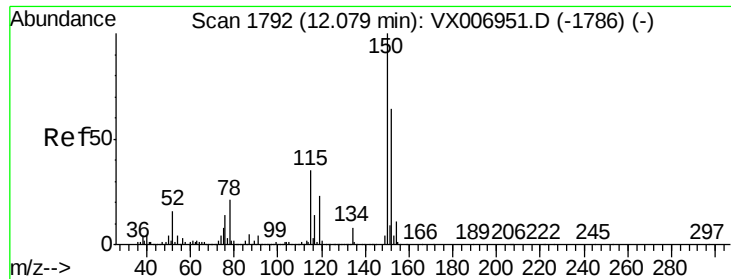


Abundance Ion 116.90 (116.60 to 117.60): VX007188.D (-1421) (-)

Ion 82.00 (81.70 to 82.70): VX007188.D (-1421) (-)

Ion 118.90 (118.60 to 119.60): VX007188.D (-1421) (-)

Time--> 10.00 10.10 10.20 10.30

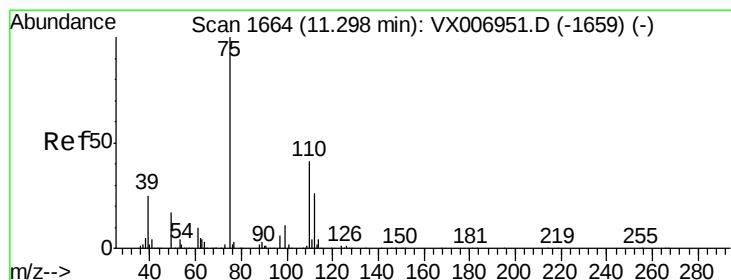
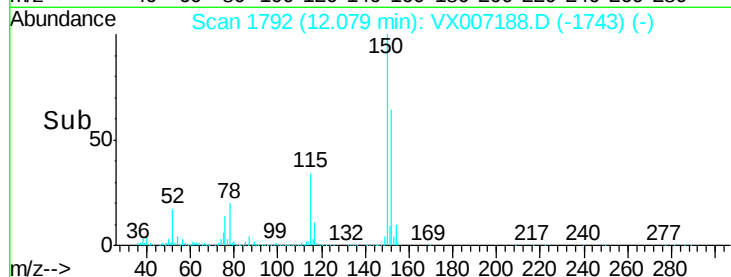
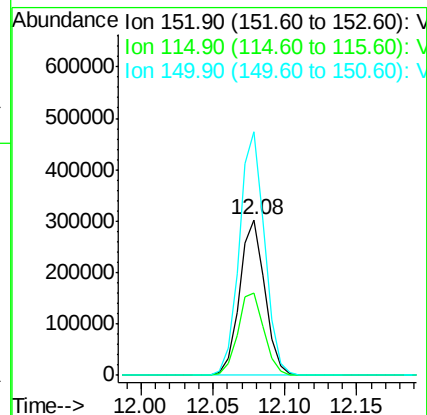
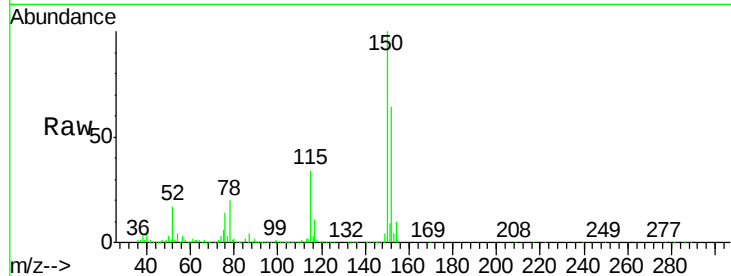


#72

1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

Instrument :
MSVOA_X
ClientSampleId :
SA-TW531-2327

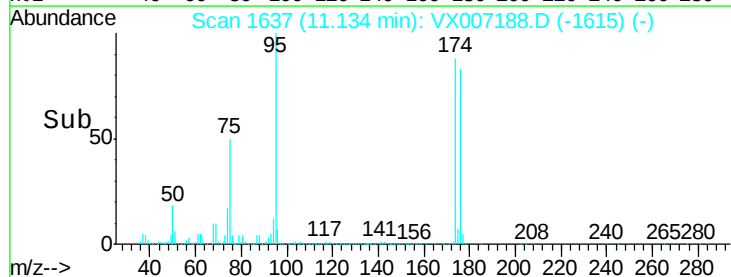
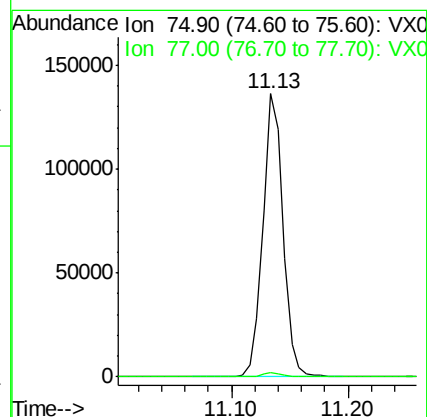
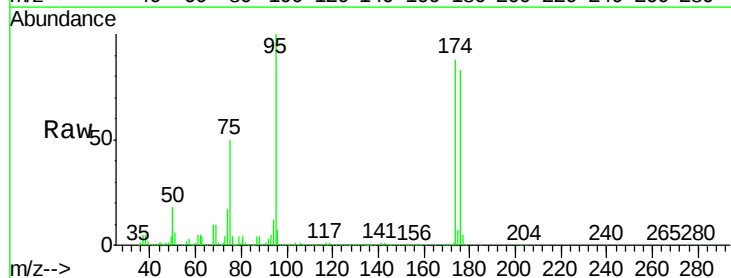
Tot Ion:152 Resp: 371080
Ion Ratio Lower Upper
152 100
115 55.1 39.1 117.2
150 156.8 0.0 344.8

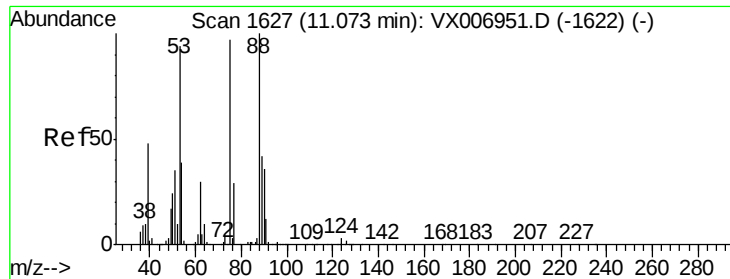


#76

1,2,3-Trichloropropane
Concen: 21.998 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX007188.D
Acq: 22 Jan 2019 18:08

Tgt Ion: 75 Resp: 165423
Ion Ratio Lower Upper
75 100
77 1.4 18.5 55.5#





#81

trans-1,4-Dichloro-2-butene

Concen: 65.148 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX007188.D

Acq: 22 Jan 2019 18:08

Instrument :

MSVOA_X

ClientSampleId :

SA-TW531-2327

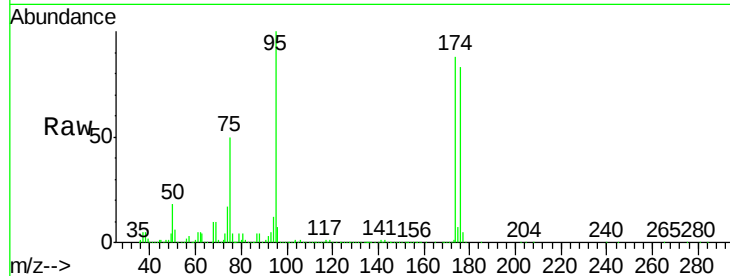
Tot Ion: 75 Resp: 165423

Ion Ratio Lower Upper

75 100

53 0.2 79.7 119.5#

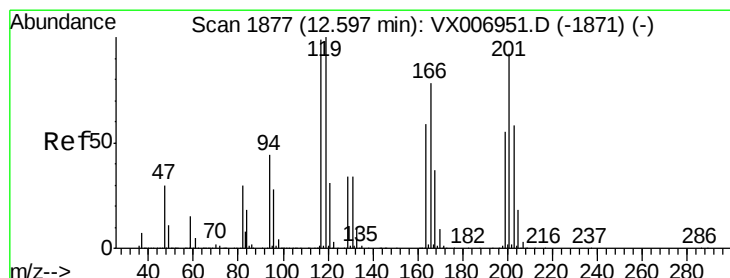
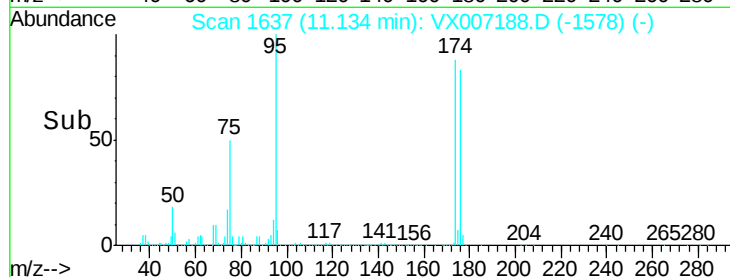
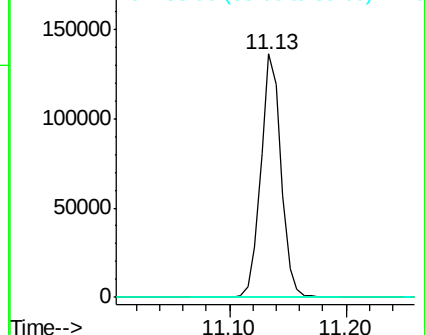
89 0.1 38.0 57.0#



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: 2.934 ug/l

RT: 12.60 min Scan# 1877

Delta R.T. 0.00 min

Lab File: VX007188.D

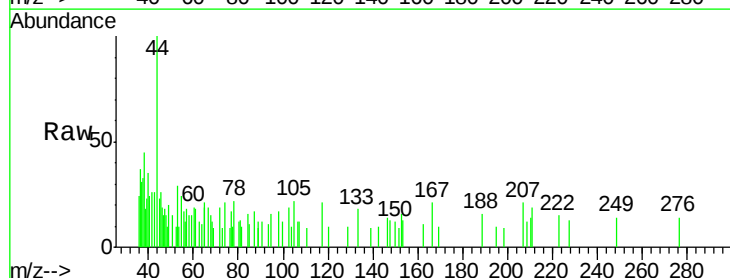
Acq: 22 Jan 2019 18:08

Tgt Ion: 117 Resp: 100

Ion Ratio Lower Upper

117 100

201 45.0 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

