

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006640.D
 Acq On : 19 Dec 2018 16:44
 Operator : JC/MD
 Sample : J6488-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181218

Quant Time: Dec 20 04:02:55 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	628122	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1007989	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	918543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	436658	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	347060	51.27	ug/l	0.00
Spiked Amount			Recovery	=	102.54%	
35) Dibromofluoromethane	5.51	113	300863	47.20	ug/l	0.00
Spiked Amount			Recovery	=	94.40%	
50) Toluene-d8	8.71	98	1189421	49.49	ug/l	0.00
Spiked Amount			Recovery	=	98.98%	
62) 4-Bromofluorobenzene	11.13	95	430297	48.89	ug/l	0.00
Spiked Amount			Recovery	=	97.78%	

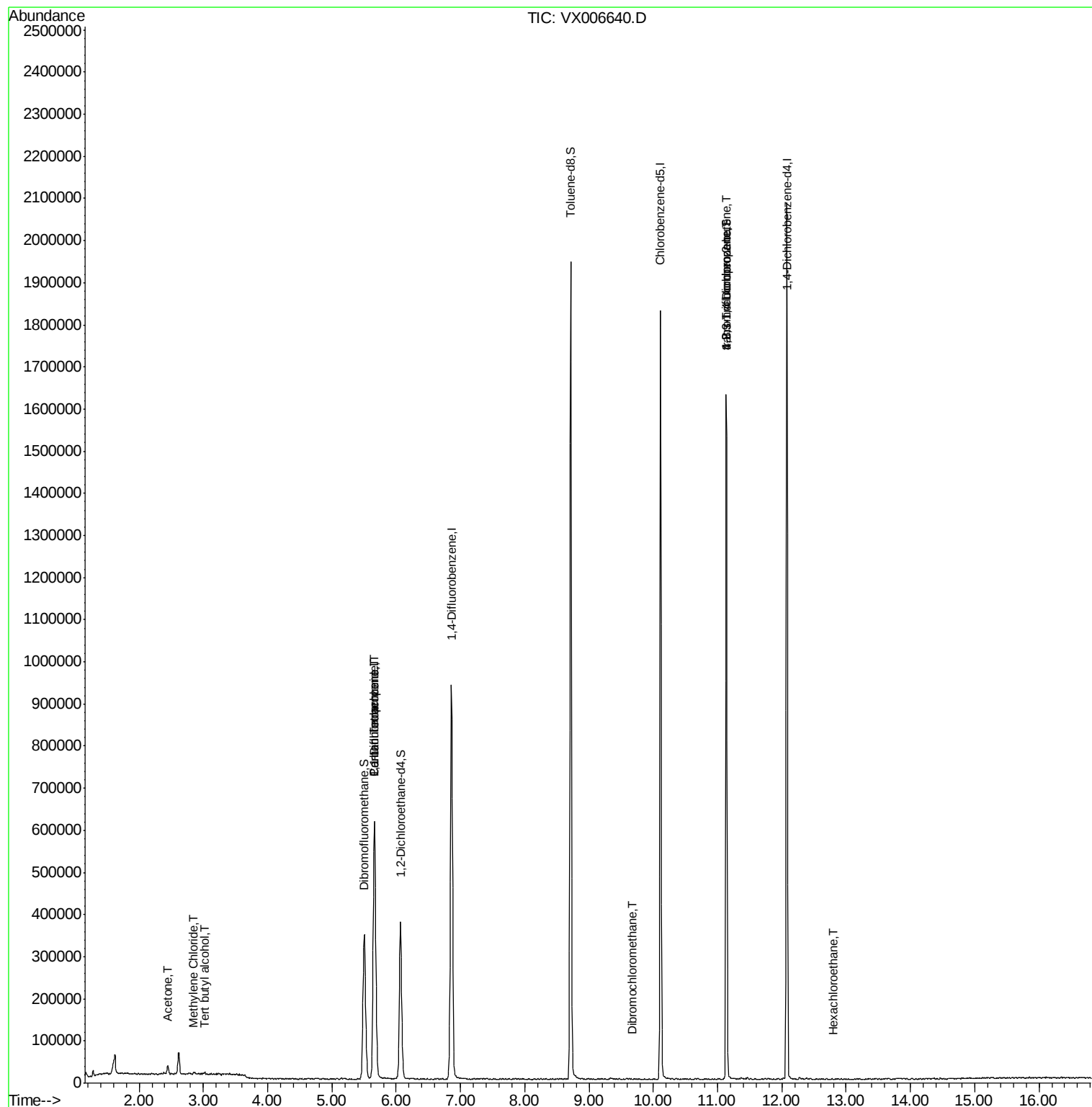
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.63	94	1444	Below Cal	#	7
11) Tert butyl alcohol	3.03	59	3565	2.360	ug/l #	86
16) Acetone	2.45	43	22707	7.301	ug/l	100
20) Methylene Chloride	2.85	84	2313	0.360	ug/l	95
28) Bromochloromethane	5.04	49	529	Below Cal	#	4
36) 1,1-Dichloropropene	5.66	75	42476	5.088	ug/l #	49
38) Carbon Tetrachloride	5.66	117	60127	7.411	ug/l #	15
49) 1,4-Dioxane	7.73	88	71	Below Cal	#	1
60) Dibromochloromethane	9.68	129	82	2.335	ug/l	61
76) 1,2,3-Trichloropropane	11.13	75	206895	25.496	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	206895	75.255	ug/l #	10
90) Hexachloroethane	12.80	117	88	3.313	ug/l	92

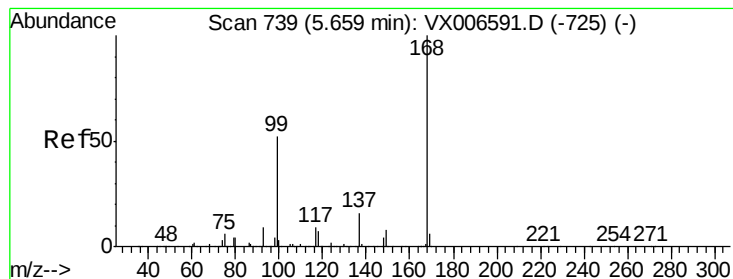
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.00 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

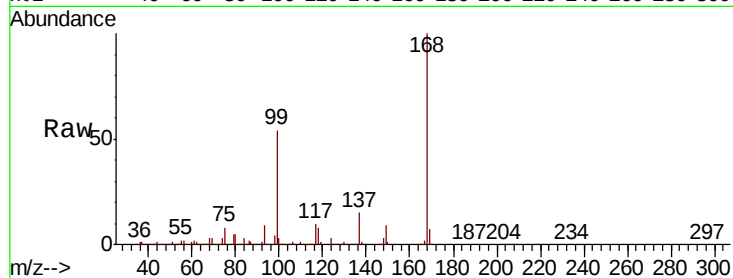
TB-01-181218

Tot Ion:168 Resp: 628122

Ion Ratio Lower Upper

168 100

99 53.4 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

250000

200000

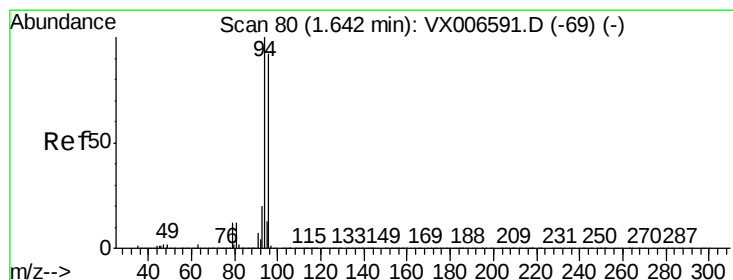
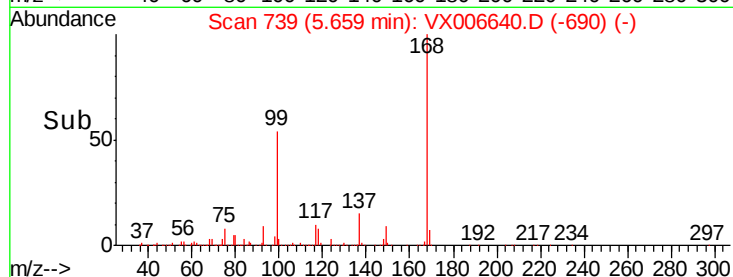
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.63 min Scan# 78

Delta R.T. -0.01 min

Lab File: VX006640.D

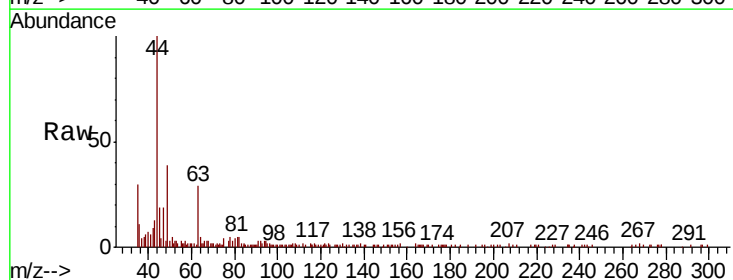
Acq: 19 Dec 2018 16:44

Tgt Ion: 94 Resp: 1444

Ion Ratio Lower Upper

94 100

96 3.0 73.4 110.2#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

800

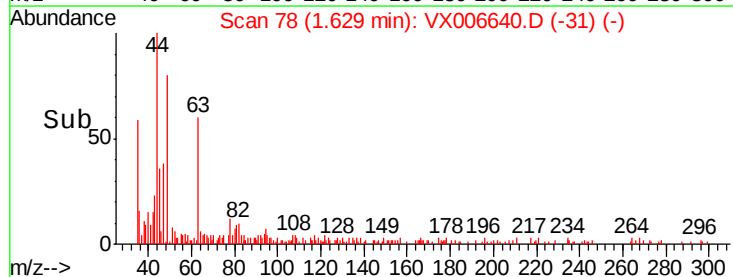
600

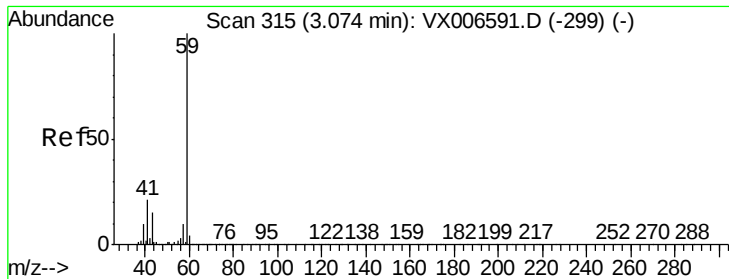
400

200

0

Time-->



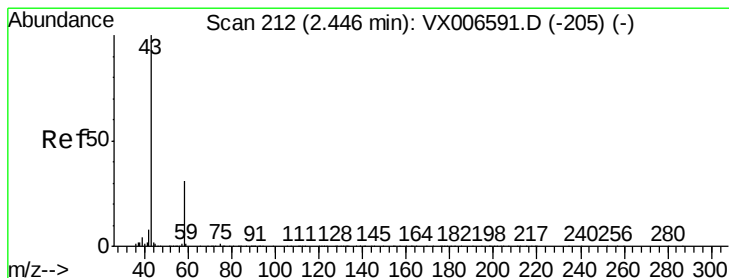
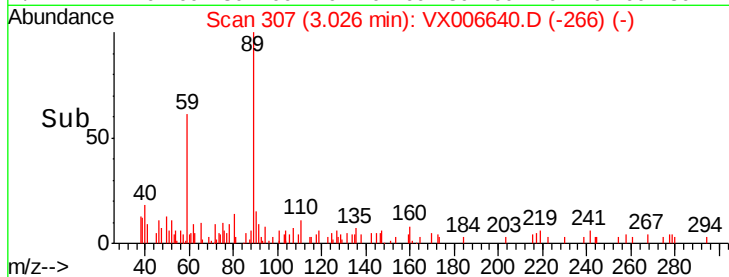
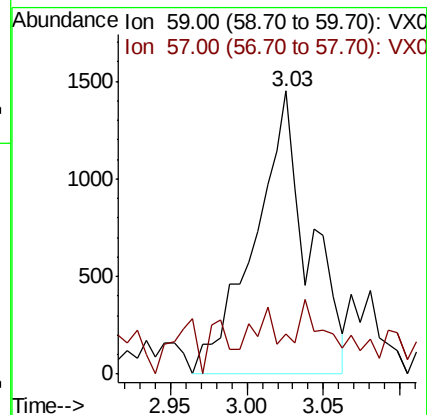
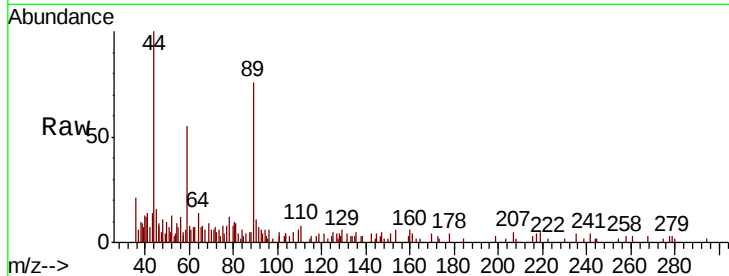


#11

Tert butyl alcohol
 Concen: 2.360 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.05 min
 Lab File: VX006640.D
 Acq: 19 Dec 2018 16:44

Instrument :
 MSVOA_X
 ClientSampleId :
 TB-01-181218

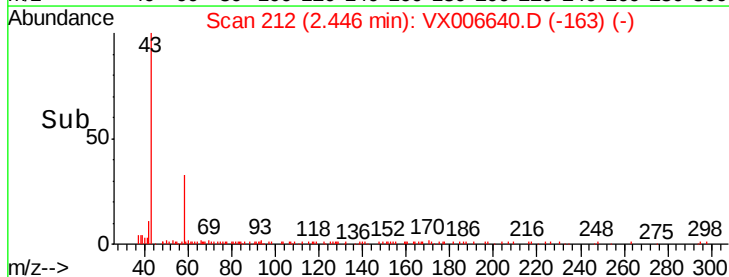
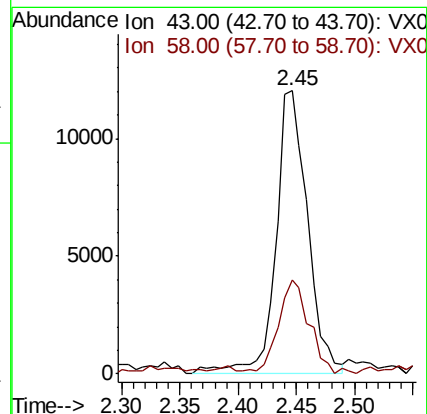
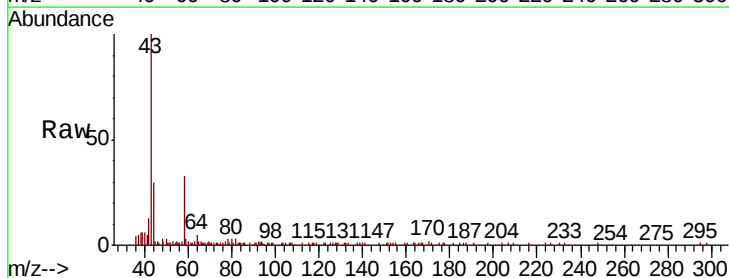
Tot Ion: 59 Resp: 3565
 Ion Ratio Lower Upper
 59 100
 57 5.2 8.5 12.7#

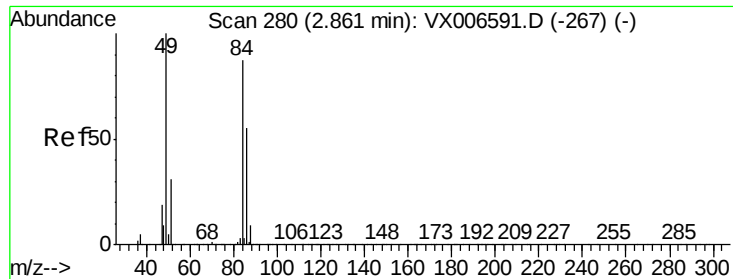


#16

Acetone
 Concen: 7.301 ug/l
 RT: 2.45 min Scan# 212
 Delta R.T. 0.00 min
 Lab File: VX006640.D
 Acq: 19 Dec 2018 16:44

Tgt Ion: 43 Resp: 22707
 Ion Ratio Lower Upper
 43 100
 58 31.3 25.0 37.6

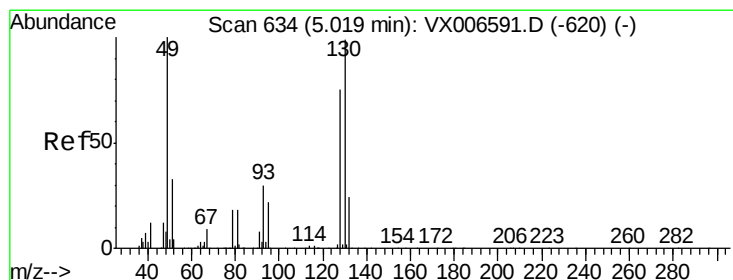
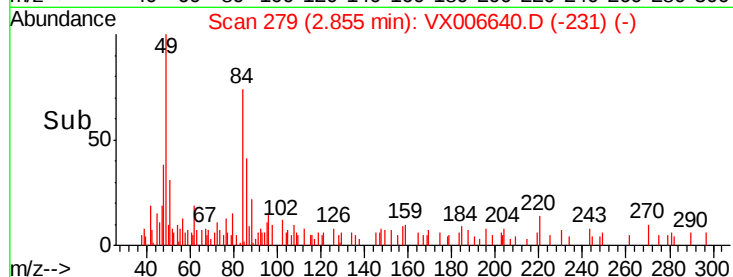
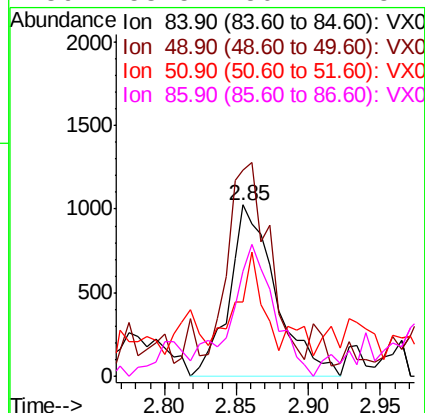
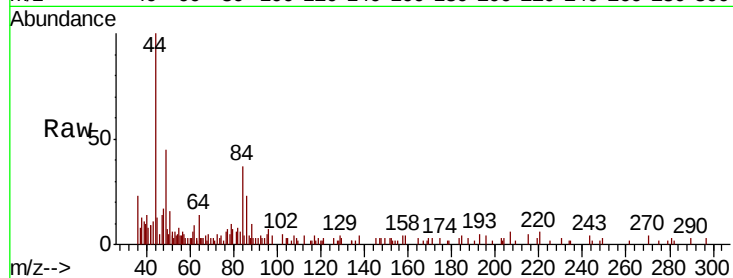




#20
Methvlene Chloride
Concen: 0.360 ug/l
RT: 2.85 min Scan# 279
Delta R.T. -0.01 min
Lab File: VX006640.D
Acq: 19 Dec 2018 16:44

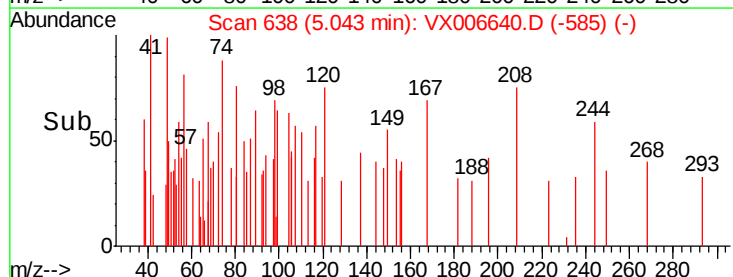
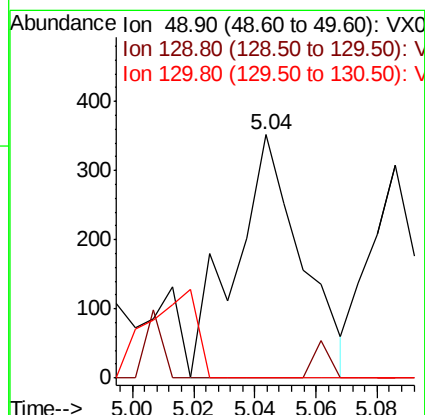
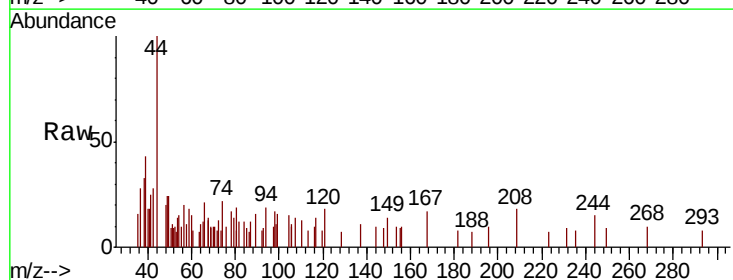
Instrument :
MSVOA_X
ClientSampleId :
TB-01-181218

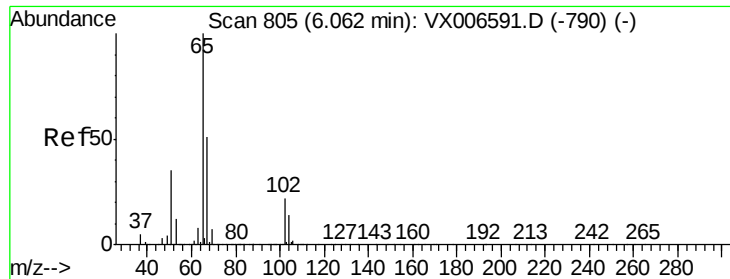
Tot Ion:	84	Resp:	2313
Ion	Ratio	Lower	Upper
84	100		
49	112.6	91.8	137.6
51	36.5	28.5	42.7
86	53.5	50.2	75.2



#28
Bromochloromethane
Concen: Below Cal
RT: 5.04 min Scan# 638
Delta R.T. 0.02 min
Lab File: VX006640.D
Acq: 19 Dec 2018 16:44

Tgt Ion:	49	Resp:	529
Ion	Ratio	Lower	Upper
49	100		
129	3.6	0.0	5.4
130	0.0	77.7	116.5#





#33

1,2-Dichloroethane-d4

Concen: 51.267 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.01 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

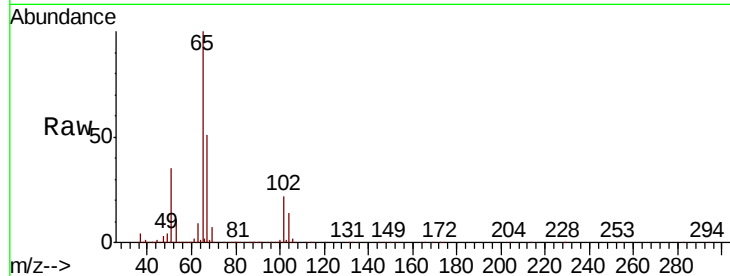
TB-01-181218

Tot Ion: 65 Resp: 347060

Ion Ratio Lower Upper

65 100

67 53.2 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

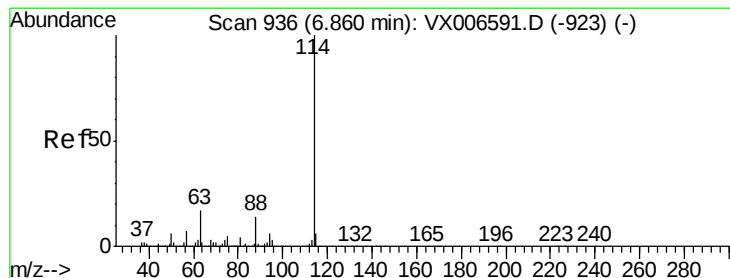
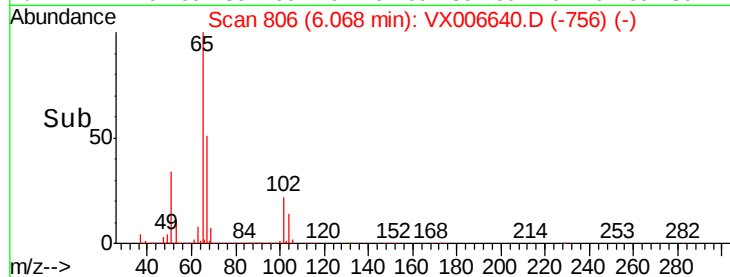
150000

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: VX006640.D

Acq: 19 Dec 2018 16:44

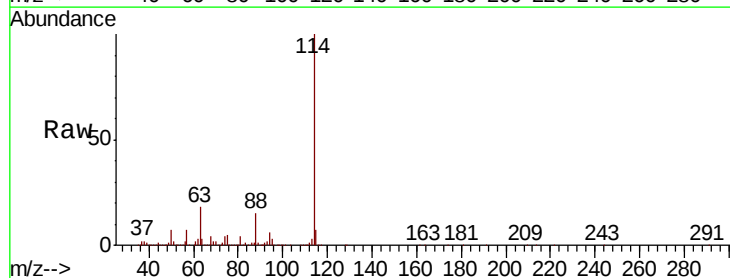
Tgt Ion: 114 Resp: 1007989

Ion Ratio Lower Upper

114 100

63 17.8 0.0 34.8

88 15.0 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

600000

500000

400000

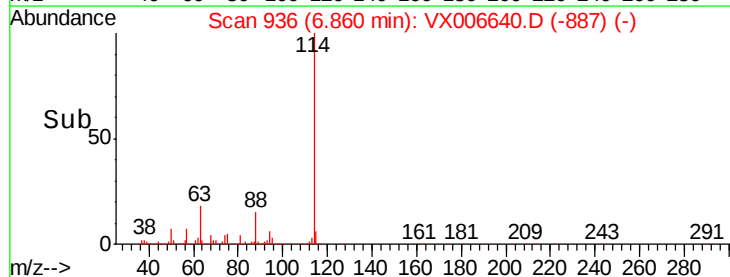
300000

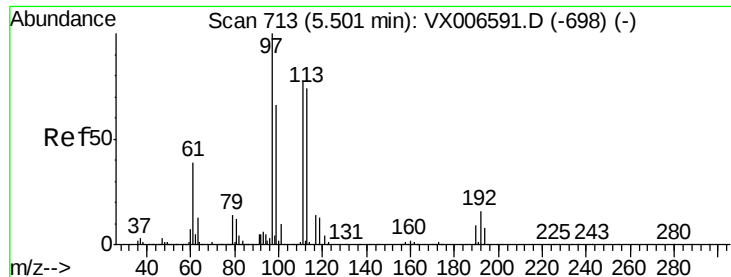
200000

100000

0

Time--> 6.70 6.80 6.90 7.00 7.10





#35

Dibromofluoromethane

Concen: 47.199 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampled :

TB-01-181218

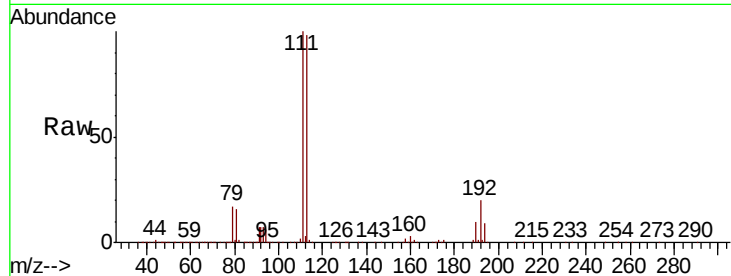
Tot Ion:113 Resp: 300863

Ion Ratio Lower Upper

113 100

111 100.8 81.6 122.4

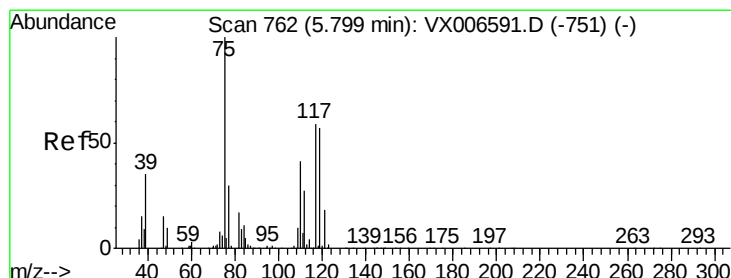
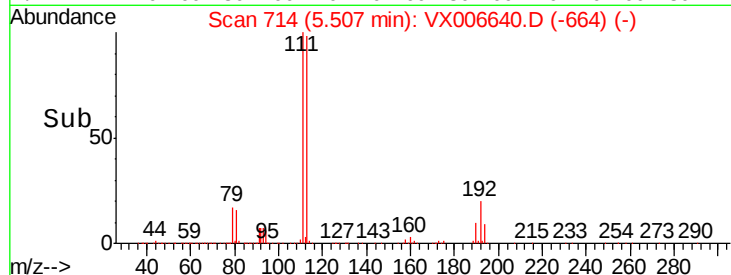
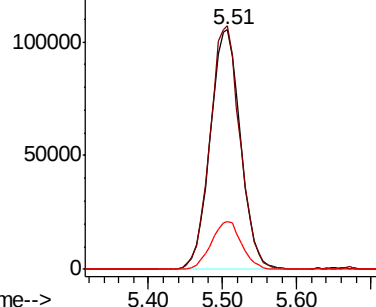
192 20.2 16.7 25.1



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: 5.088 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

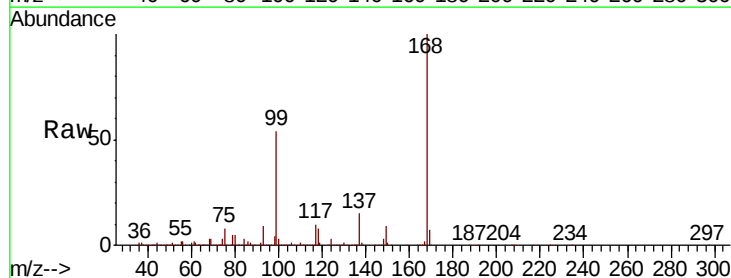
Tgt Ion: 75 Resp: 42476

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

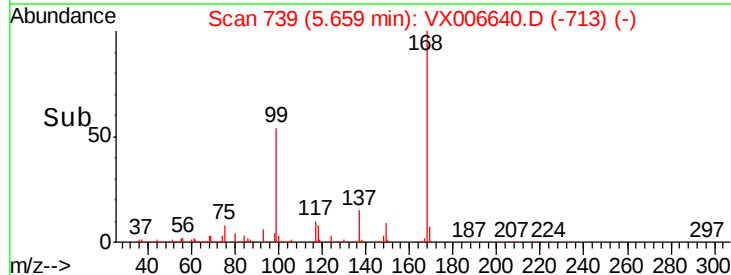
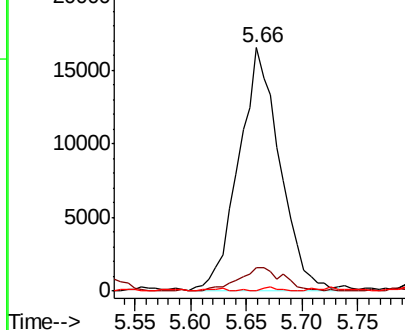
77 0.7 24.8 37.2#

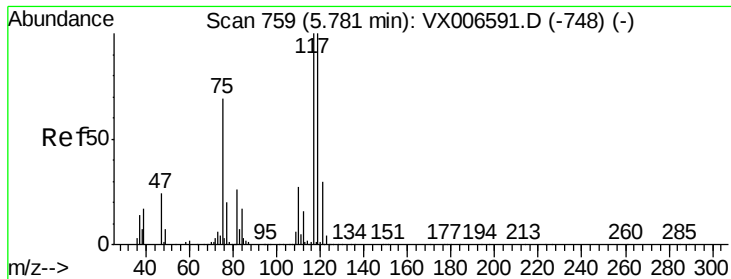


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.411 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampled :

TB-01-181218

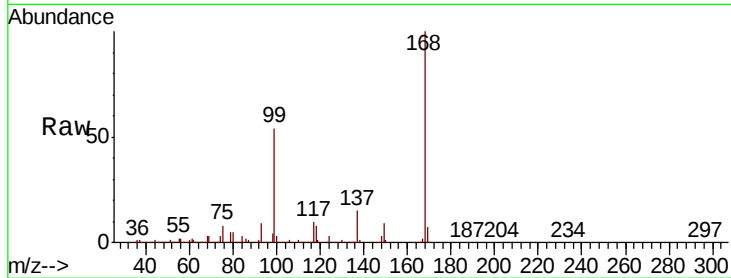
Tot Ion:117 Resp: 60127

Ion Ratio Lower Upper

117 100

119 5.1 79.4 119.2#

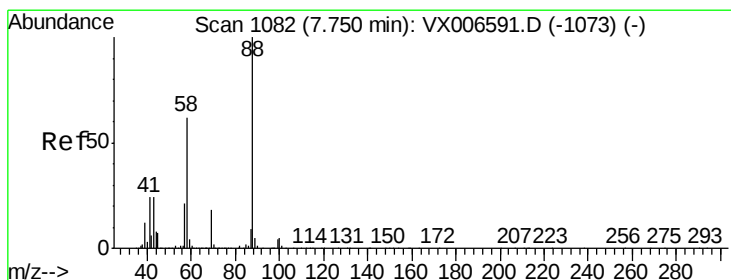
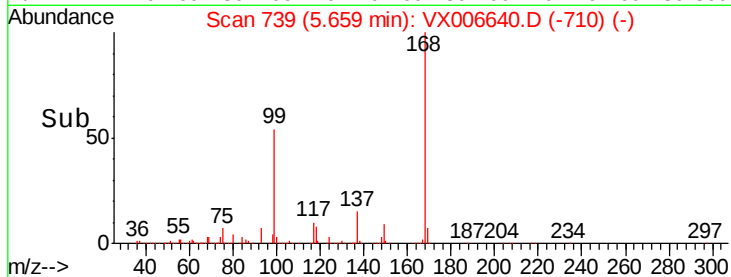
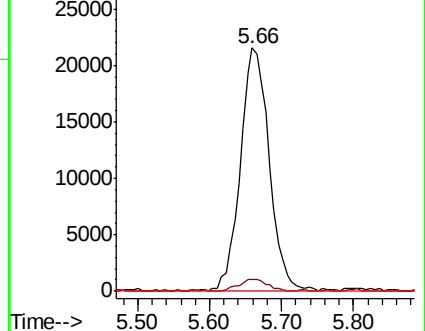
121 0.0 24.0 36.0#



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: 7.73 min Scan# 1079

Delta R.T. -0.02 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

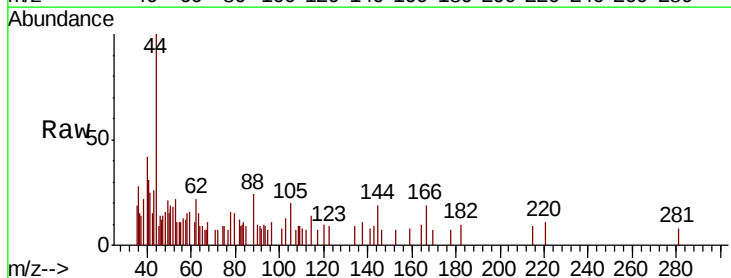
Tgt Ion: 88 Resp: 71

Ion Ratio Lower Upper

88 100

43 153.5 22.2 33.4#

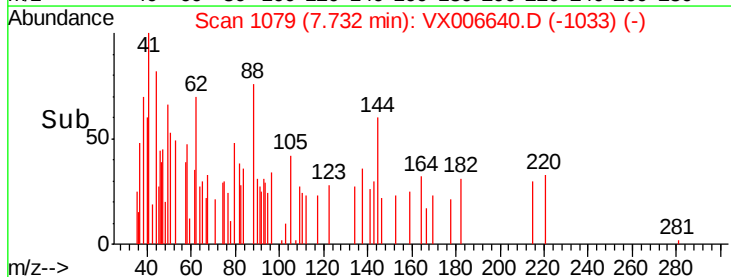
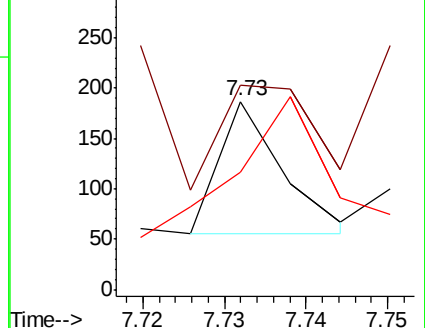
58 176.1 51.0 76.4#

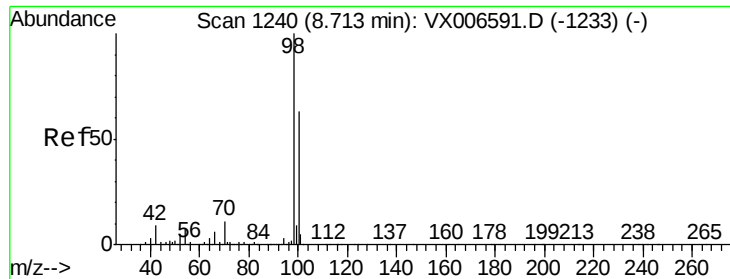


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 49.494 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

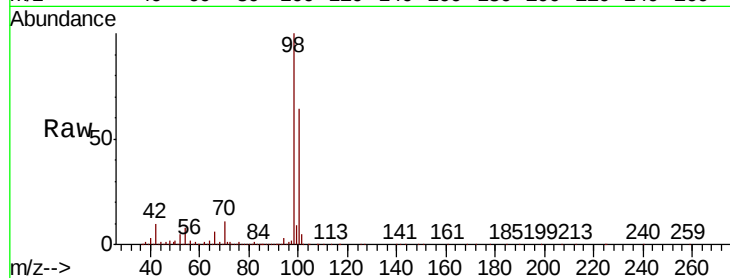
TB-01-181218

Tot Ion: 98 Resp: 1189421

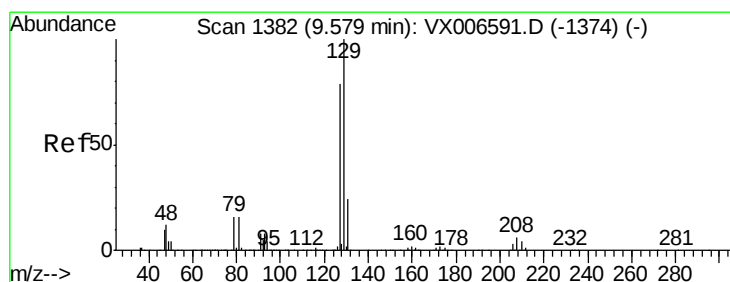
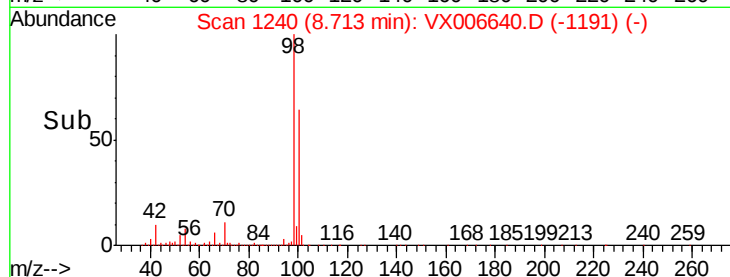
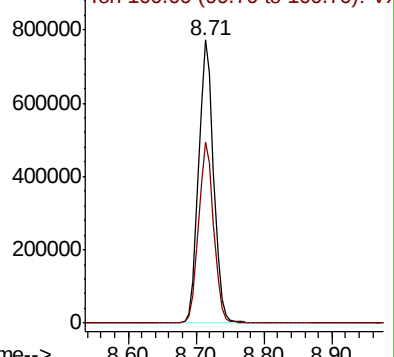
Ion Ratio Lower Upper

98 100

100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VX006640.D (-1191) (-)



#60

Dibromochloromethane

Concen: 2.335 ug/l

RT: 9.68 min Scan# 1398

Delta R.T. 0.10 min

Lab File: VX006640.D

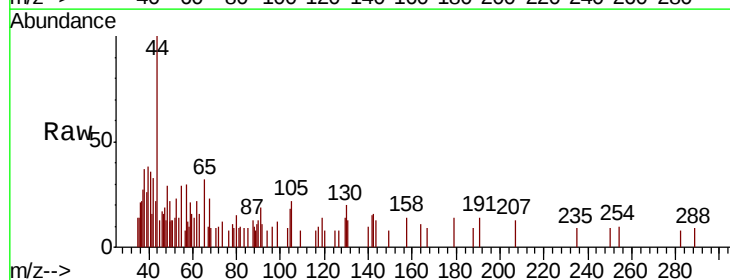
Acq: 19 Dec 2018 16:44

Tgt Ion: 129 Resp: 82

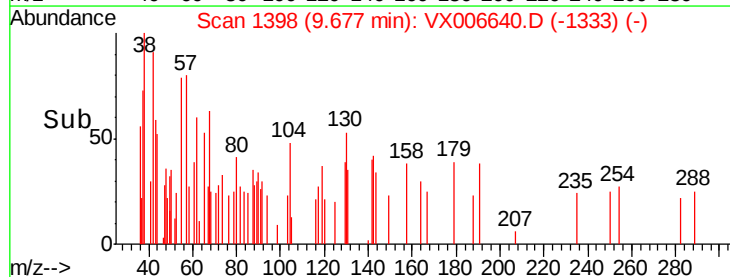
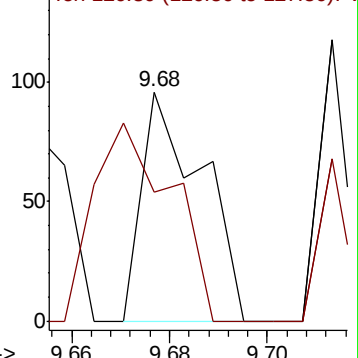
Ion Ratio Lower Upper

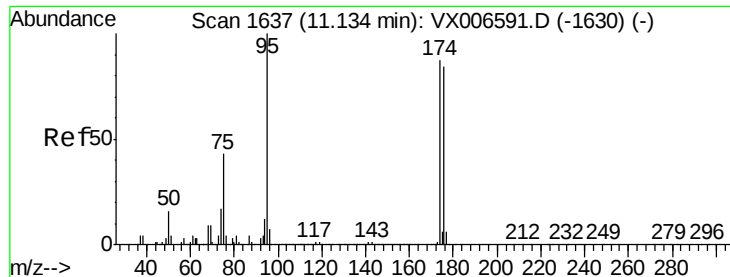
129 100

127 112.2 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006640.D (-1333) (-)





#62

4-Bromofluorobenzene

Concen: 48.890 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181218

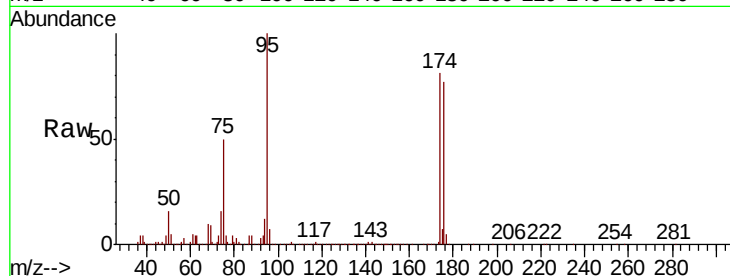
Tot Ion: 95 Resp: 430297

Ion Ratio Lower Upper

95 100

174 85.8 0.0 182.2

176 82.8 0.0 178.8

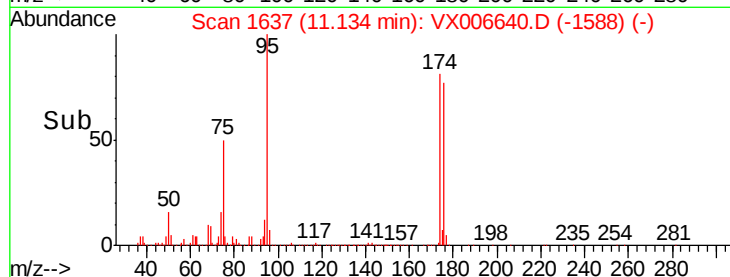


Abundance Ion 94.90 (94.60 to 95.60): VX006640.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006640.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006640.D (-1588) (-)

Time-->



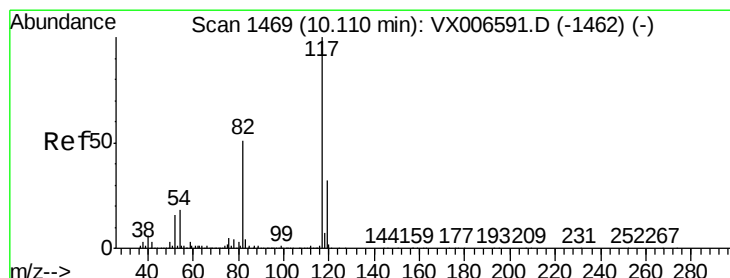
Abundance

Ion 94.90 (94.60 to 95.60): VX006640.D (-1588) (-)

Ion 173.80 (173.50 to 174.50): VX006640.D (-1588) (-)

Ion 175.80 (175.50 to 176.50): VX006640.D (-1588) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.01 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

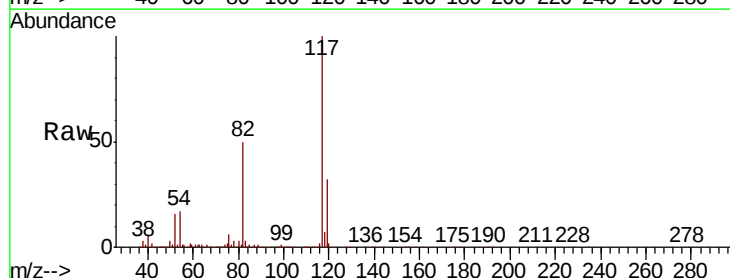
Tgt Ion: 117 Resp: 918543

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.6

119 32.2 25.4 38.0

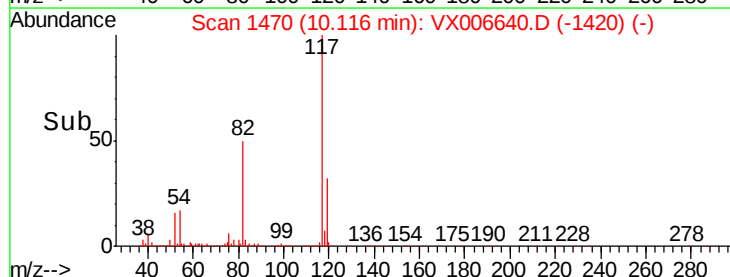


Abundance Ion 116.90 (116.60 to 117.60): VX006640.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006640.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006640.D (-1420) (-)

Time-->



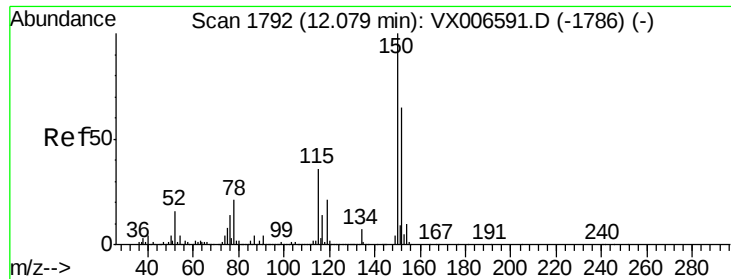
Abundance

Ion 116.90 (116.60 to 117.60): VX006640.D (-1420) (-)

Ion 82.00 (81.70 to 82.70): VX006640.D (-1420) (-)

Ion 118.90 (118.60 to 119.60): VX006640.D (-1420) (-)

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181218

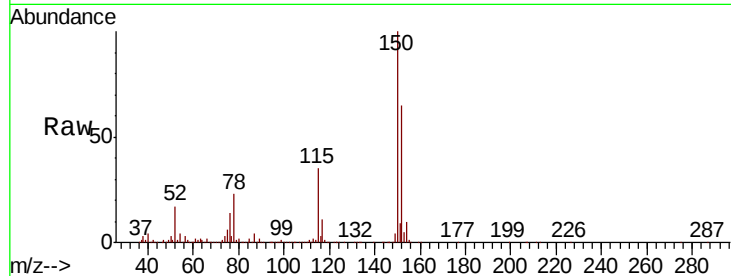
Tot Ion:152 Resp: 436658

Ion Ratio Lower Upper

152 100

115 56.6 39.1 117.2

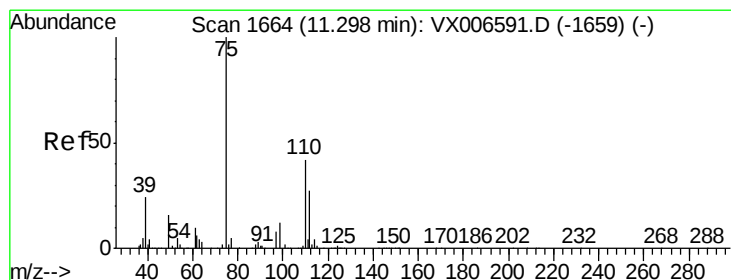
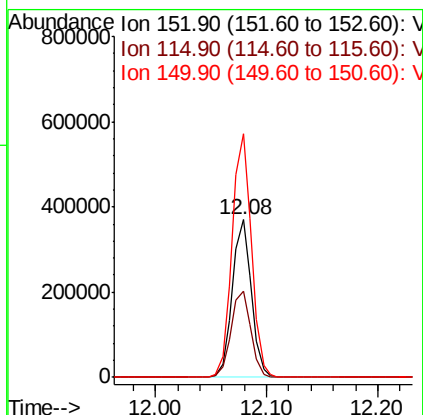
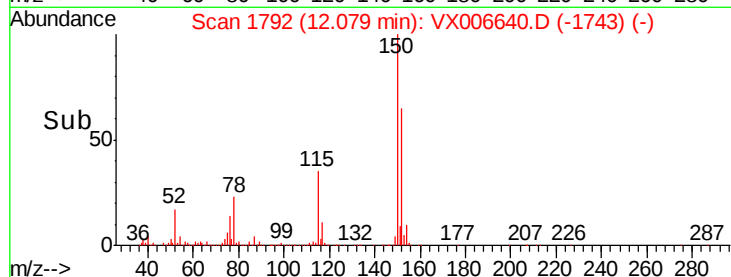
150 156.7 0.0 344.8



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: 25.496 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. -0.16 min

Lab File: VX006640.D

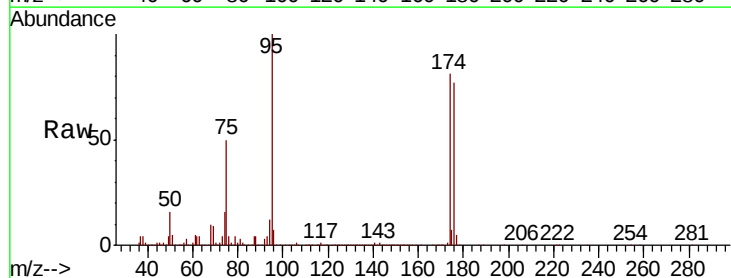
Acq: 19 Dec 2018 16:44

Tgt Ion: 75 Resp: 206895

Ion Ratio Lower Upper

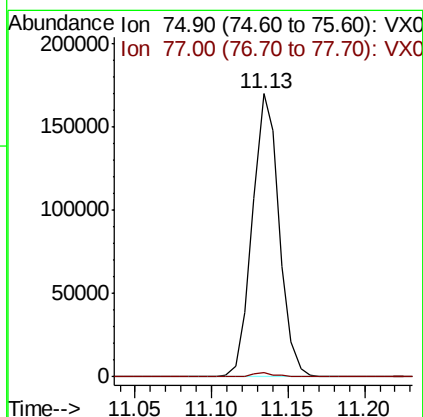
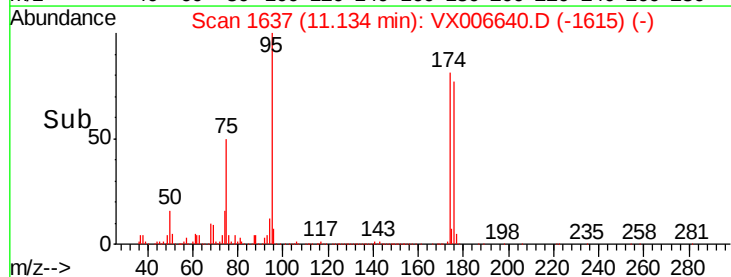
75 100

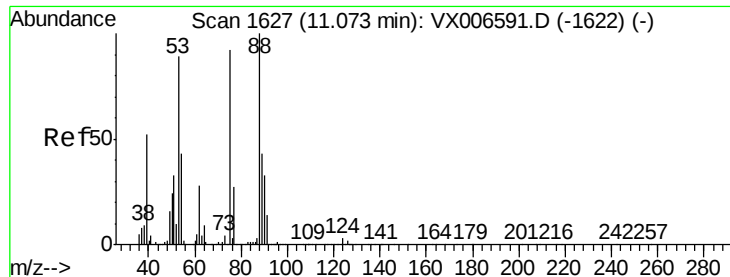
77 1.3 18.5 55.5#



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: 75.255 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006640.D

Acq: 19 Dec 2018 16:44

Instrument :

MSVOA_X

ClientSampleId :

TB-01-181218

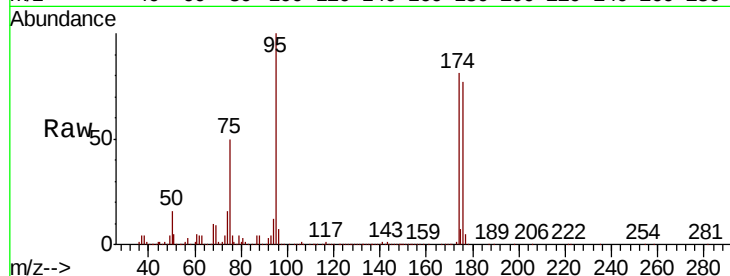
Tot Ion: 75 Resp: 206895

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

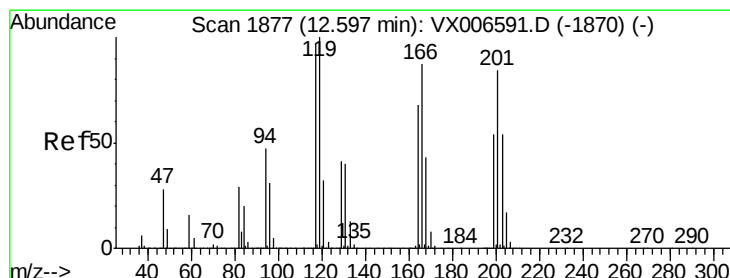
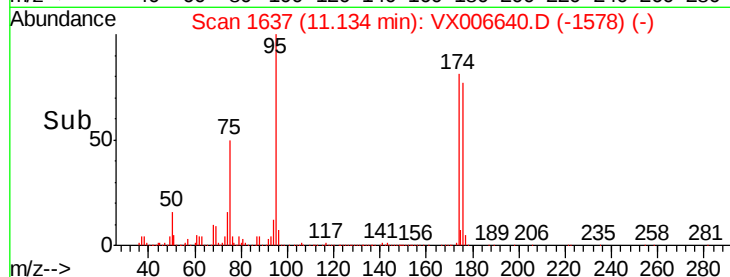
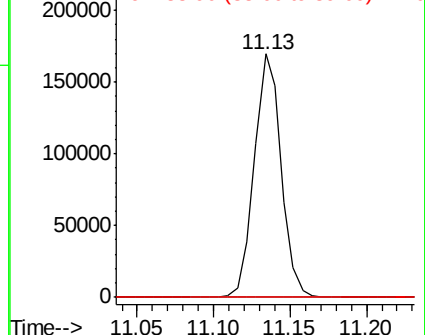
89 0.0 38.0 57.0#



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: 3.313 ug/l

RT: 12.80 min Scan# 1910

Delta R.T. 0.20 min

Lab File: VX006640.D

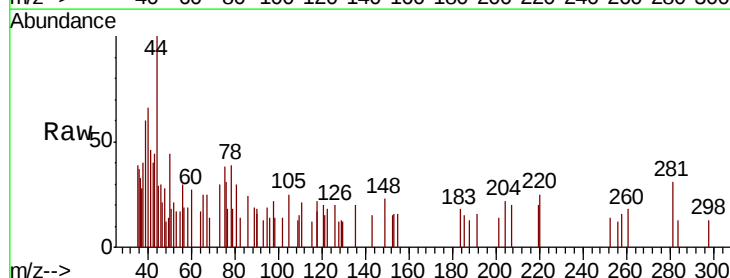
Acq: 19 Dec 2018 16:44

Tgt Ion: 117 Resp: 88

Ion Ratio Lower Upper

117 100

201 93.2 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

