

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121918\
 Data File : VX006643.D
 Acq On : 19 Dec 2018 18:04
 Operator : JC/MD
 Sample : J6484-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 977-FB121818

Quant Time: Dec 20 04:03:36 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	5.67	168	617574	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	998762	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	909724	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	429890	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	348431	52.35	ug/l	0.00
Spiked Amount			Recovery	=	104.70%	
35) Dibromofluoromethane	5.50	113	296264	46.91	ug/l	0.00
Spiked Amount			Recovery	=	93.82%	
50) Toluene-d8	8.71	98	1182213	49.65	ug/l	0.00
Spiked Amount			Recovery	=	99.30%	
62) 4-Bromofluorobenzene	11.13	95	425212	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	

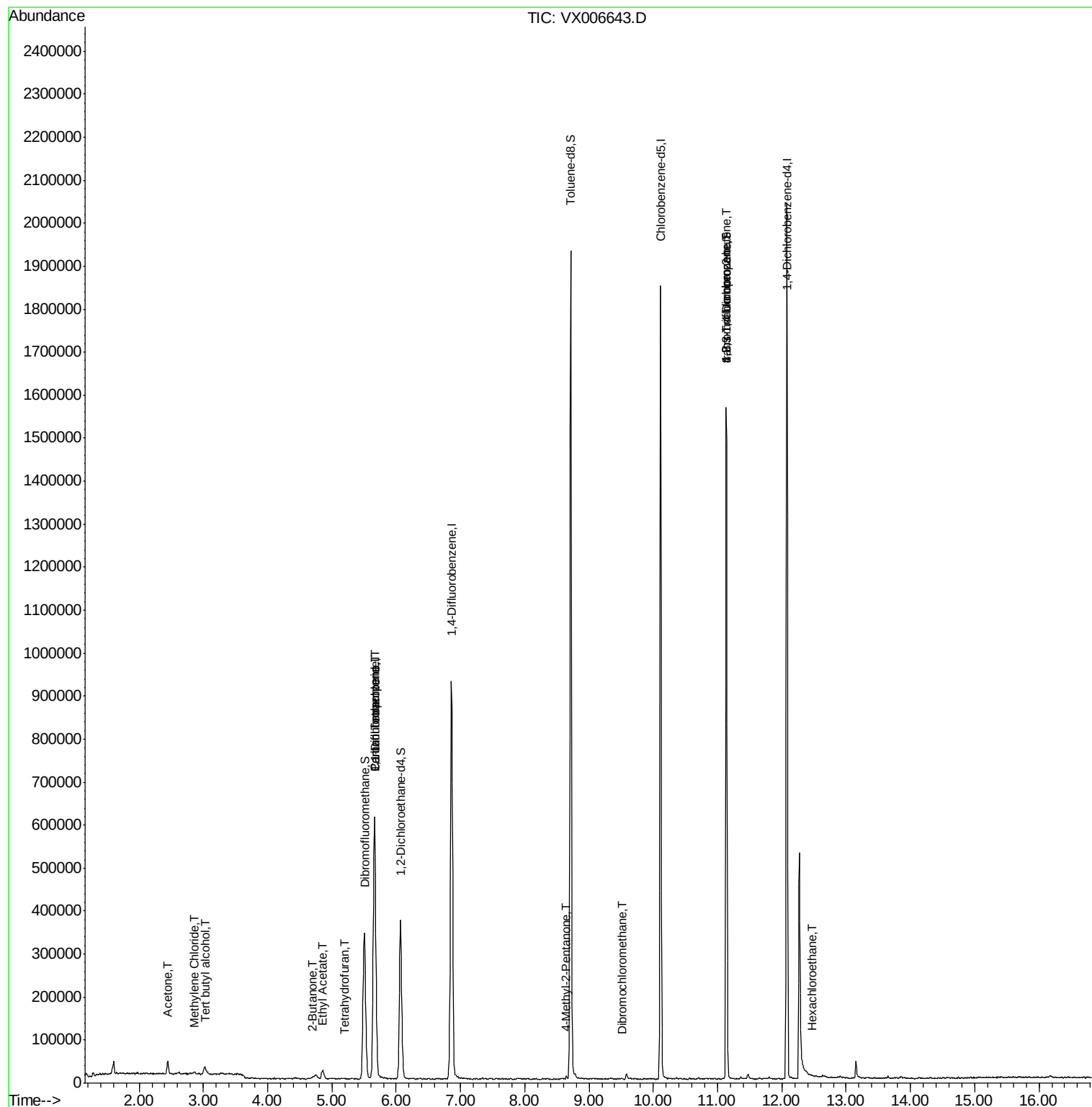
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	700	Below Cal		96
11) Tert butyl alcohol	3.03	59	14208	9.565	ug/l #	76
16) Acetone	2.45	43	31613	10.338	ug/l	100
20) Methylene Chloride	2.87	84	2899	0.458	ug/l	91
25) 2-Butanone	4.70	43	10785	2.507	ug/l	96
28) Bromochloromethane	5.03	49	215	Below Cal	#	1
29) Tetrahydrofuran	5.20	42	710	0.251	ug/l	93
36) 1,1-Dichloropropene	5.66	75	40720	4.923	ug/l #	49
37) Ethyl Acetate	4.85	43	37472	4.352	ug/l	98
38) Carbon Tetrachloride	5.66	117	58825	7.317	ug/l #	14
49) 1,4-Dioxane	7.74	88	69	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.65	43	4207	0.505	ug/l	93
60) Dibromochloromethane	9.52	129	51	2.331	ug/l	91
76) 1,2,3-Trichloropropane	11.13	75	197105	24.672	ug/l #	40
81) trans-1,4-Dichloro-2-buten	11.13	75	197105	72.959	ug/l #	10
90) Hexachloroethane	12.46	117	21	3.298	ug/l	69

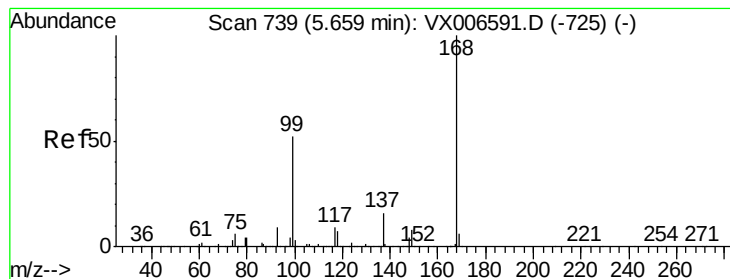
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

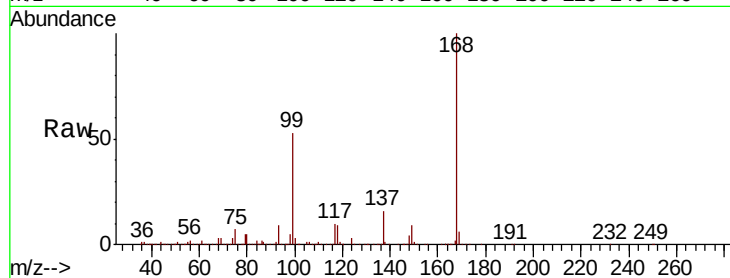
977-FB121818

Tot Ion:168 Resp: 617574

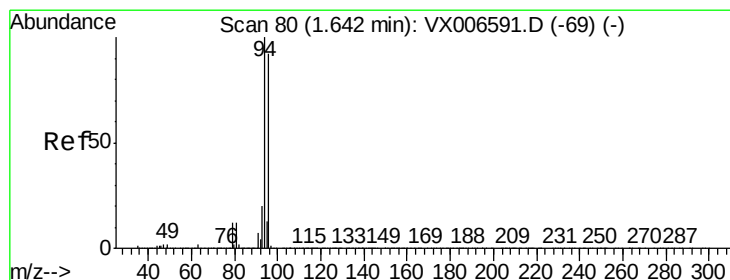
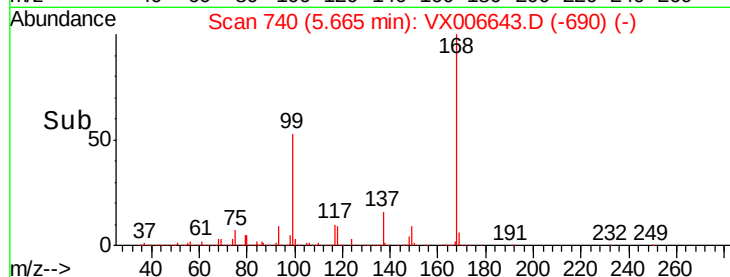
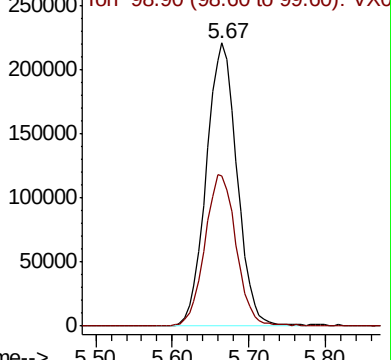
Ion Ratio Lower Upper

168 100

99 53.1 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006643.D (-690) (-)



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX006643.D

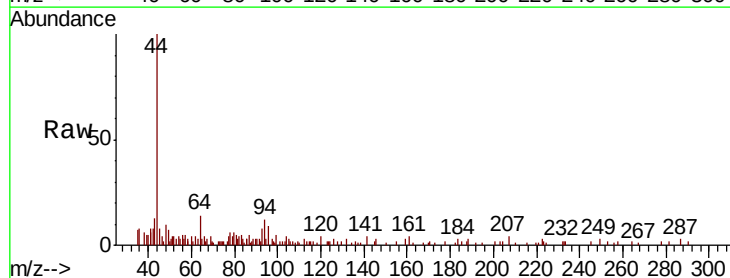
Acq: 19 Dec 2018 18:04

Tgt Ion: 94 Resp: 700

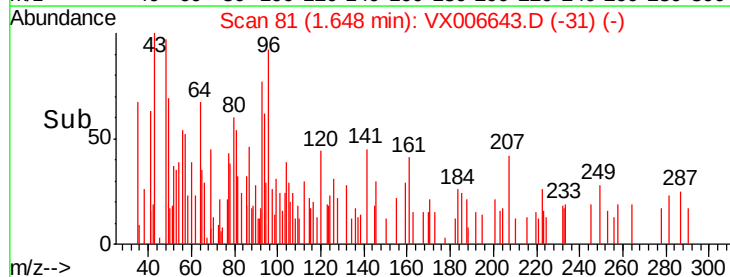
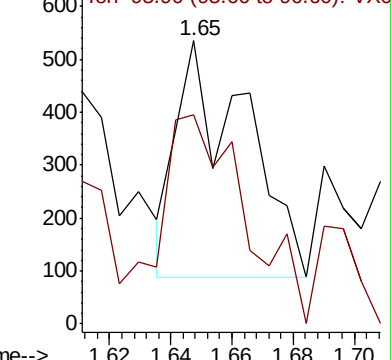
Ion Ratio Lower Upper

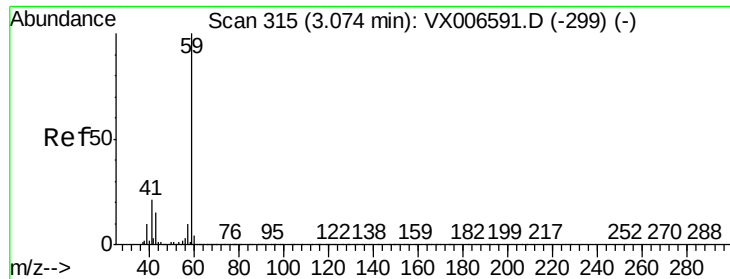
94 100

96 88.4 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VX006643.D (-31) (-)

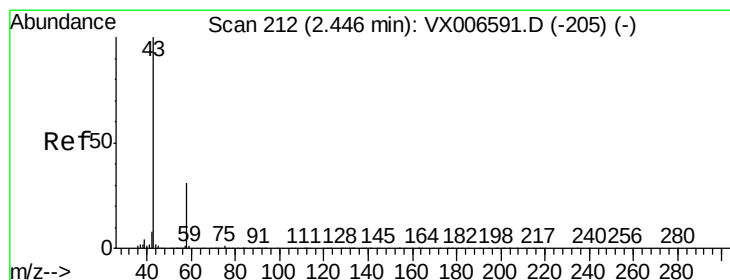
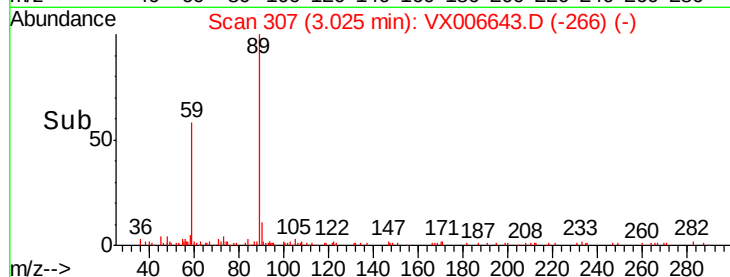
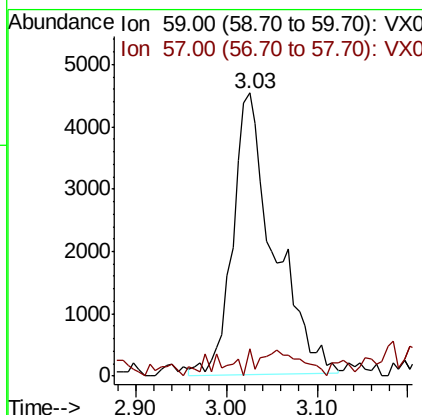
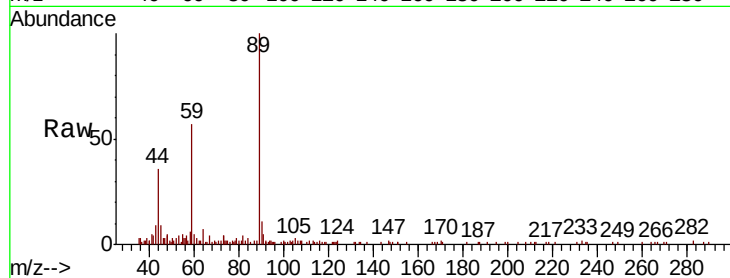




#11
Tert butyl alcohol
Concen: 9.565 ug/l
RT: 3.03 min Scan# 307
Delta R.T. -0.05 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

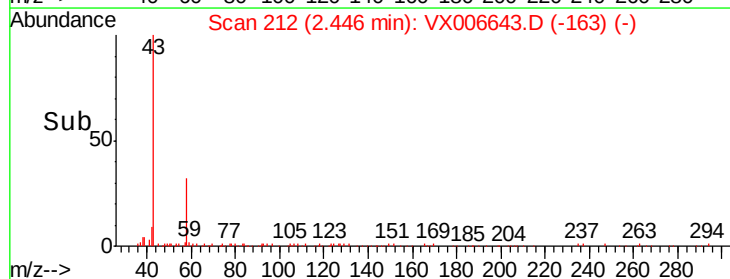
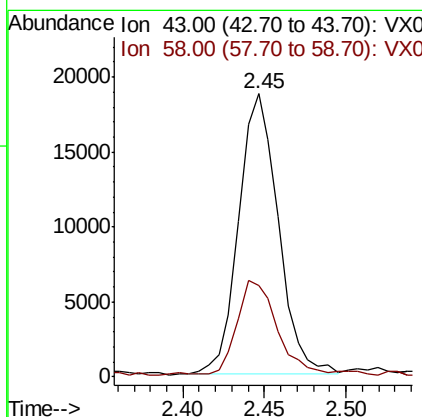
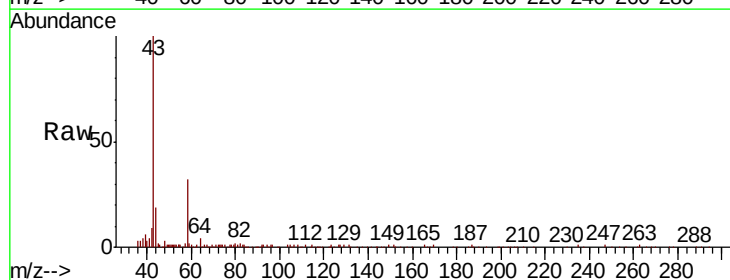
Instrument :
MSVOA_X
ClientSampleId :
977-FB121818

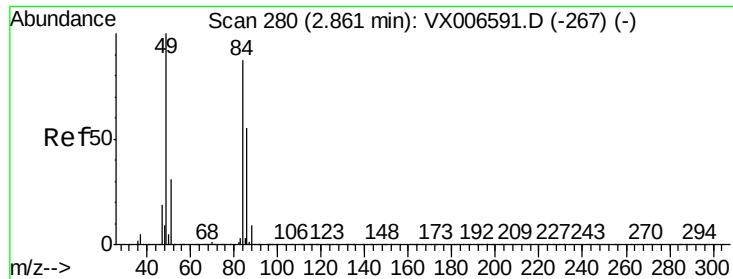
Tot Ion: 59 Resp: 14208
Ion Ratio Lower Upper
59 100
57 1.4 8.5 12.7#



#16
Acetone
Concen: 10.338 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

Tgt Ion: 43 Resp: 31613
Ion Ratio Lower Upper
43 100
58 31.4 25.0 37.6

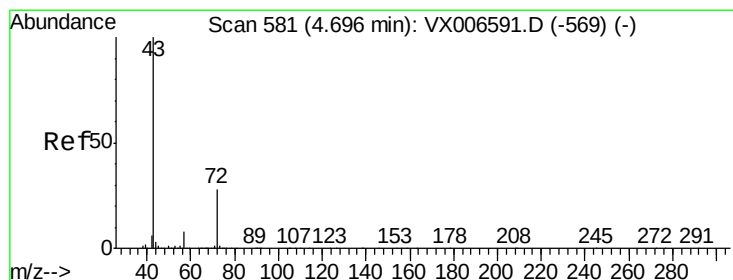
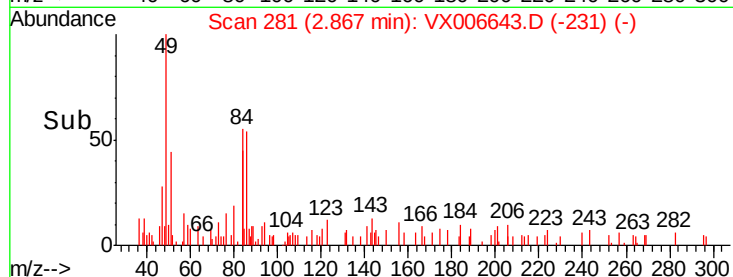
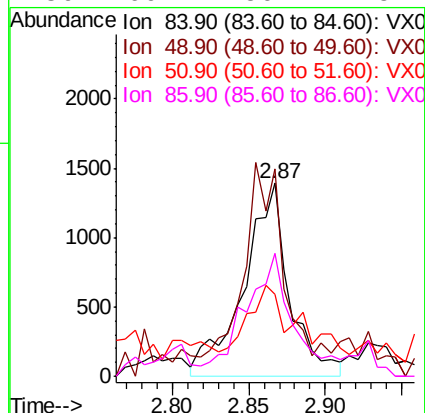
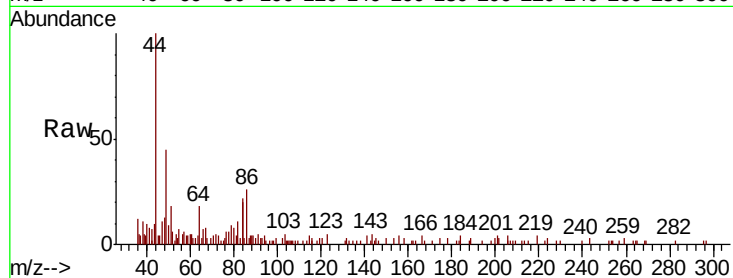




#20
Methylene Chloride
Concen: 0.458 ug/l
RT: 2.87 min Scan# 281
Delta R.T. 0.01 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

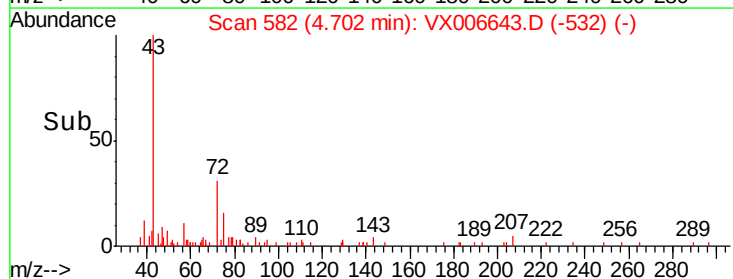
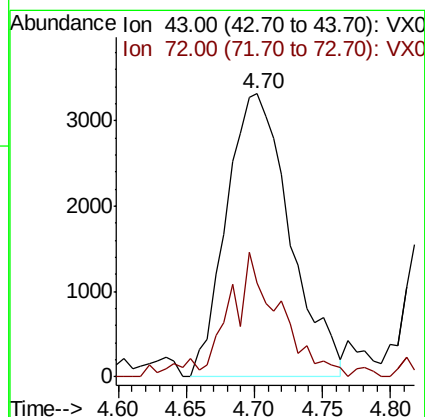
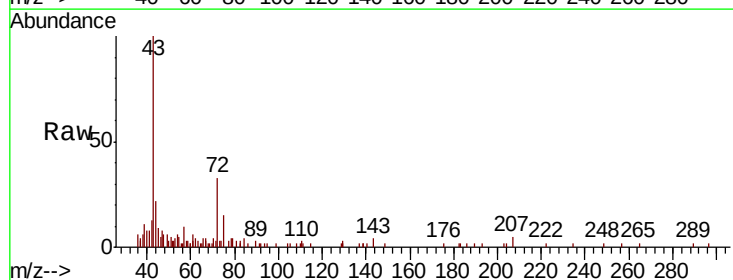
Instrument :
MSVOA_X
ClientSampleId :
977-FB121818

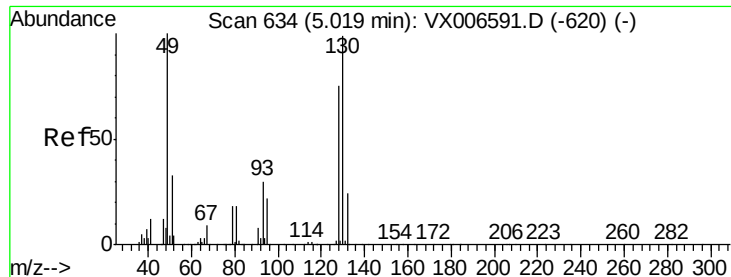
Tot Ion:	84	Resp:	2899
Ion	Ratio	Lower	Upper
84	100		
49	101.3	91.8	137.6
51	29.3	28.5	42.7
86	60.4	50.2	75.2



#25
2-Butanone
Concen: 2.507 ug/l
RT: 4.70 min Scan# 582
Delta R.T. 0.01 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

Tgt Ion:	43	Resp:	10785
Ion	Ratio	Lower	Upper
43	100		
72	29.8	22.4	33.6





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 635

Delta R.T. 0.01 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

977-FB121818

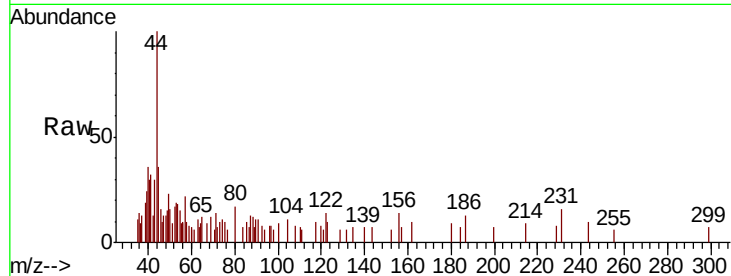
Tot Ion: 49 Resp: 215

Ion Ratio Lower Upper

49 100

129 92.1 0.0 5.4#

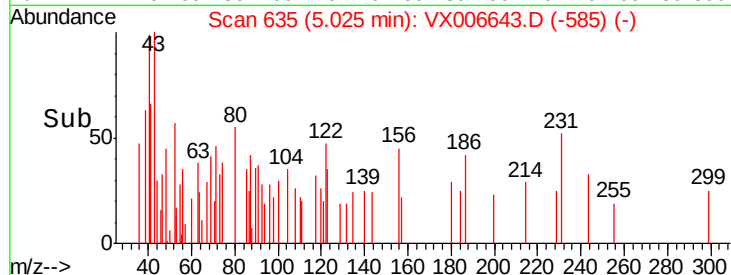
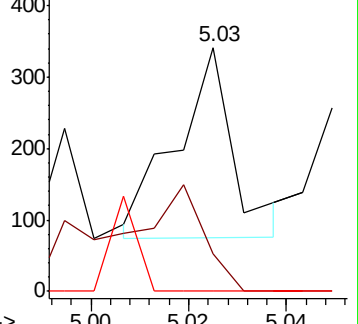
130 0.0 77.7 116.5#



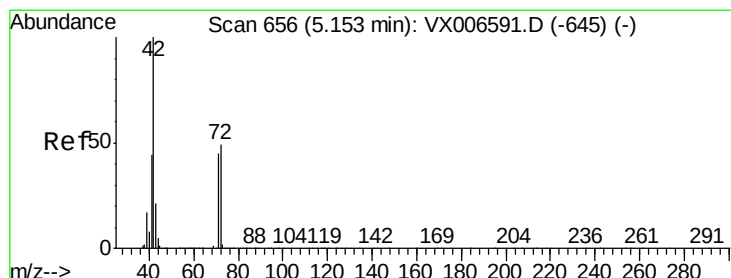
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 0.251 ug/l

RT: 5.20 min Scan# 664

Delta R.T. 0.05 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

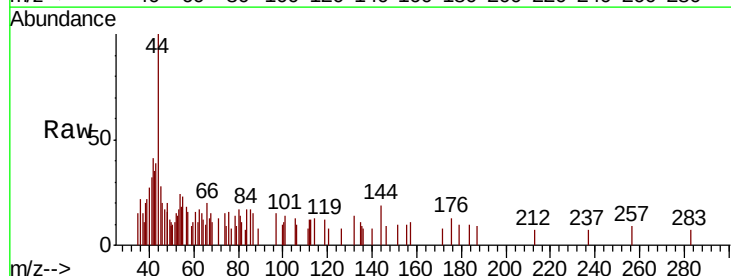
Tgt Ion: 42 Resp: 710

Ion Ratio Lower Upper

42 100

72 47.3 38.9 58.3

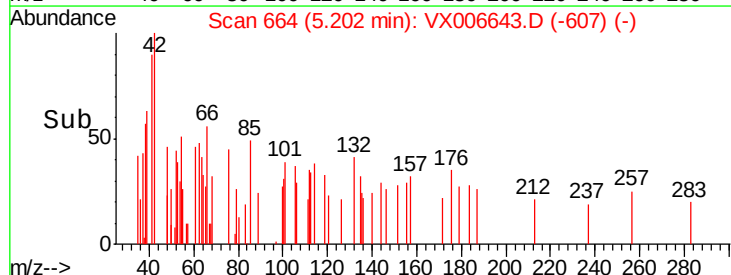
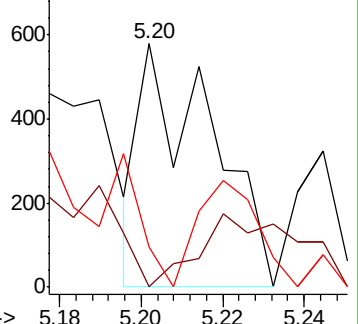
71 36.9 36.2 54.4



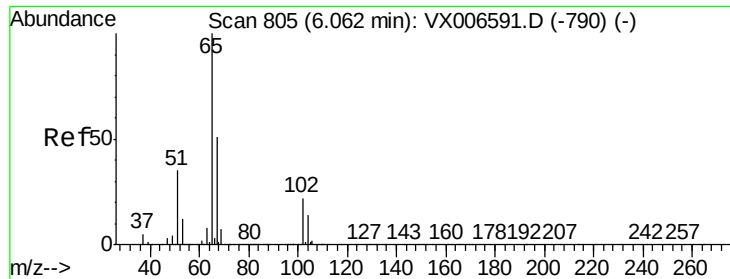
Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



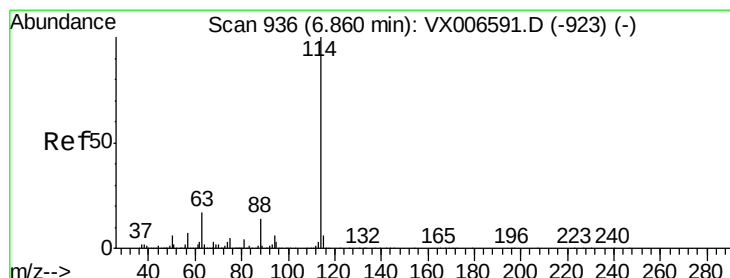
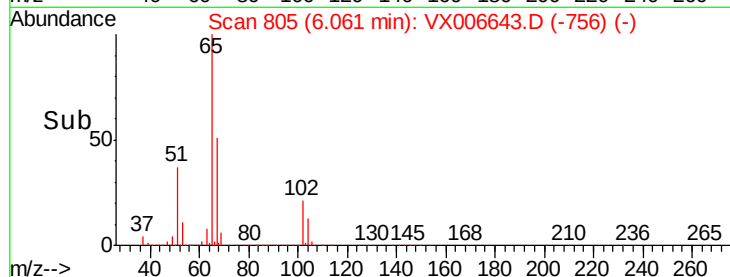
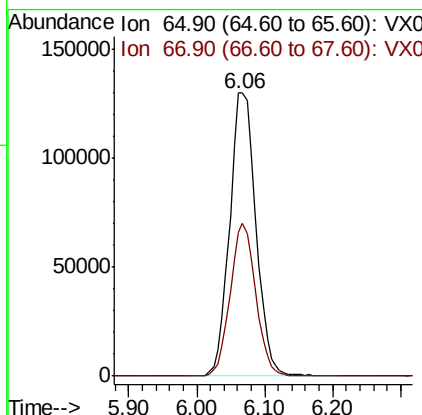
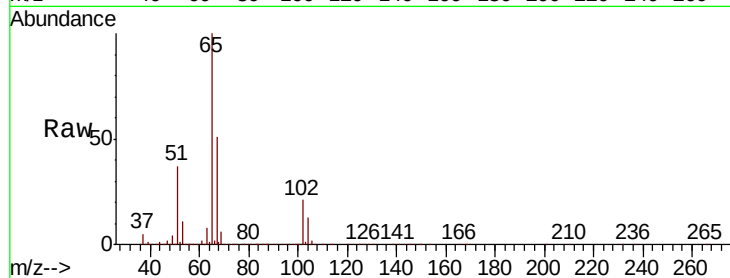
Time-->



#33
 1,2-Dichloroethane-d4
 Concen: 52.349 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX006643.D
 Acq: 19 Dec 2018 18:04

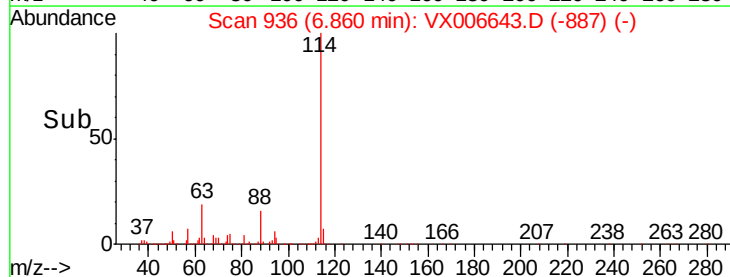
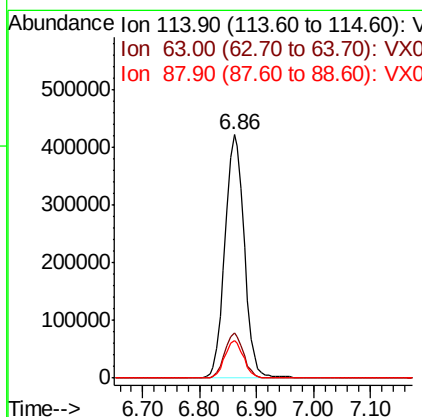
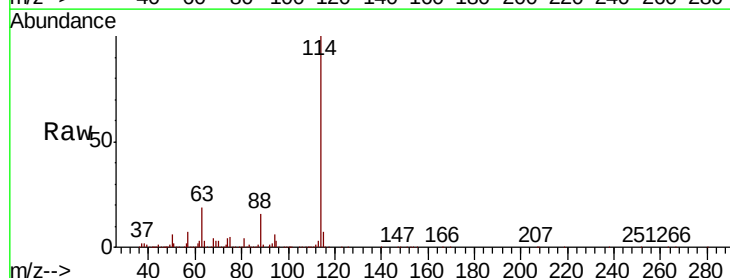
Instrument :
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 977-FB121818

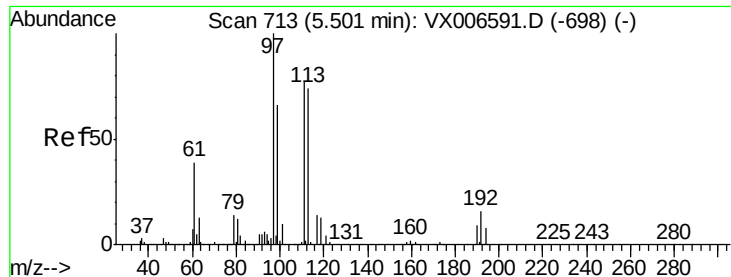
Tot Ion: 65 Resp: 348431
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 105.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006643.D
 Acq: 19 Dec 2018 18:04

Tgt Ion: 114 Resp: 998762
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 34.8
 88 15.5 0.0 28.8





#35

Dibromofluoromethane

Concen: 46.907 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

977-FB121818

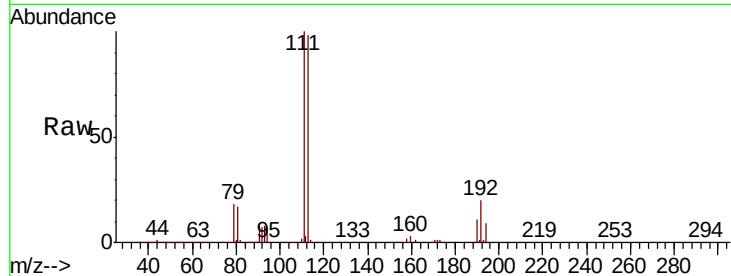
Tot Ion:113 Resp: 296264

Ion Ratio Lower Upper

113 100

111 101.4 81.6 122.4

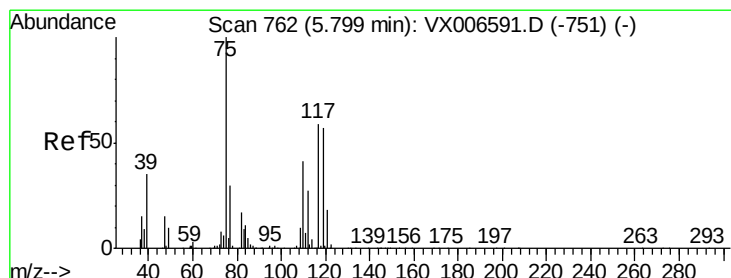
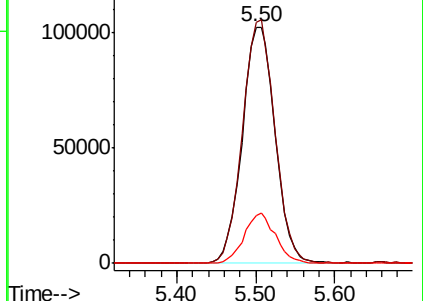
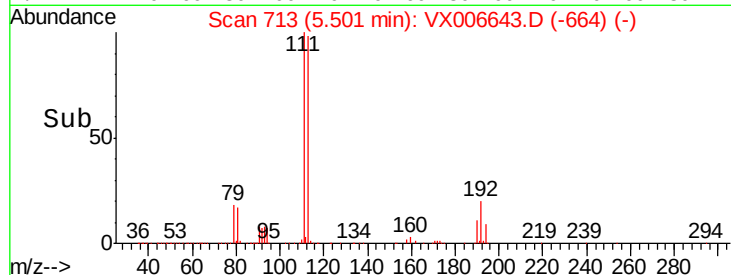
192 20.3 16.7 25.1



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: 4.923 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

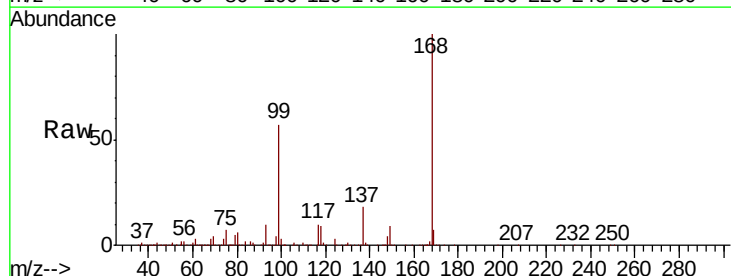
Tgt Ion: 75 Resp: 40720

Ion Ratio Lower Upper

75 100

110 10.4 20.2 60.5#

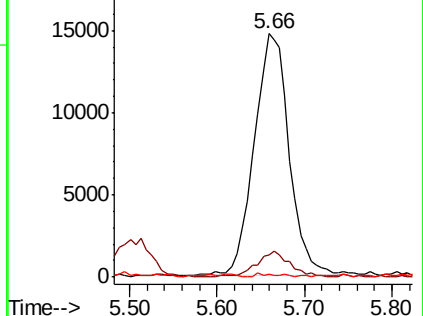
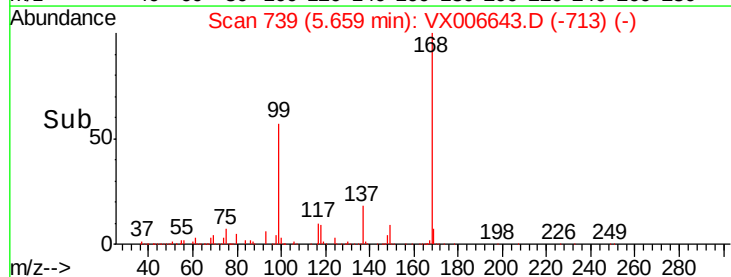
77 0.6 24.8 37.2#

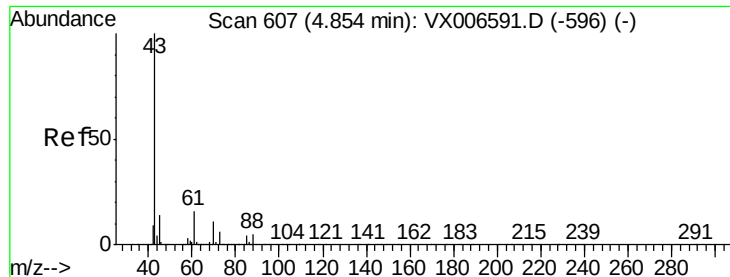


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

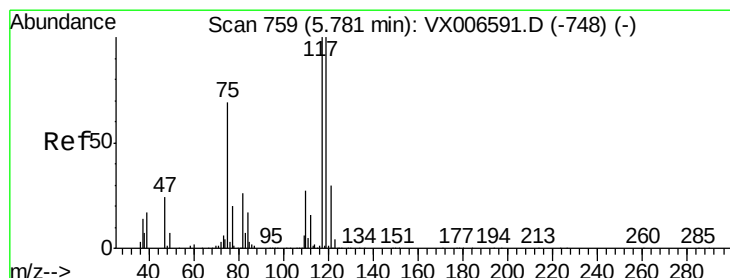
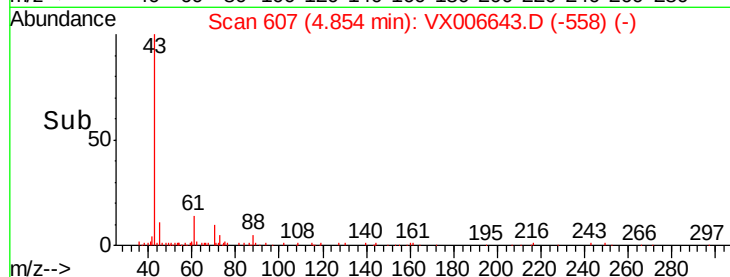
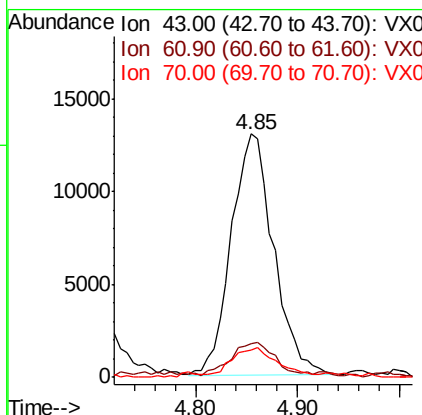
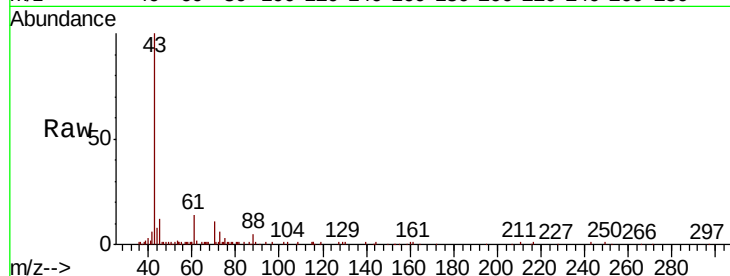




#37
Ethyl Acetate
Concen: 4.352 ug/l
RT: 4.85 min Scan# 607
Delta R.T. -0.00 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

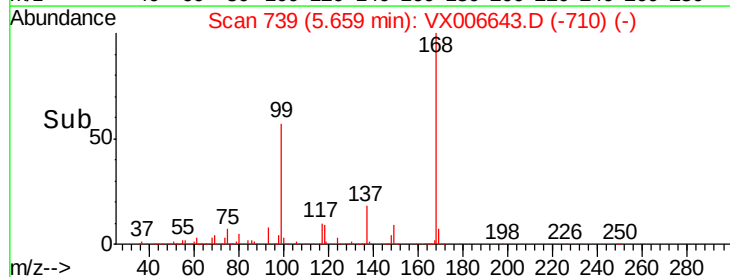
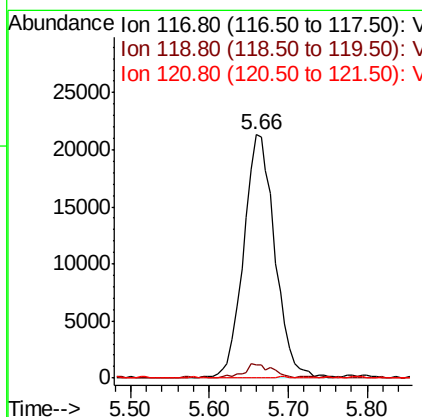
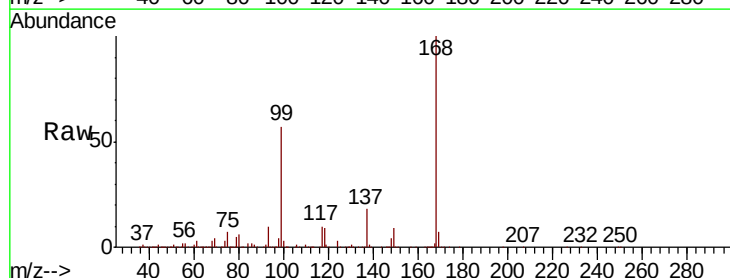
Instrument :
MSVOA_X
ClientSampleId :
977-FB121818

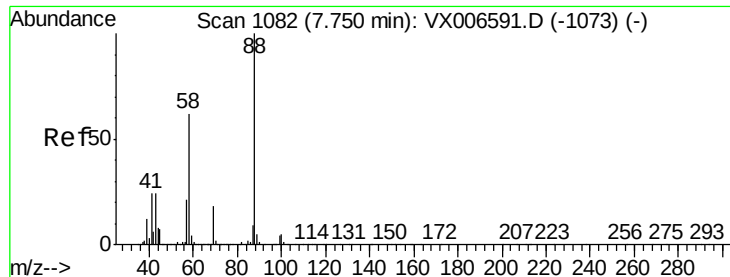
Tot Ion: 43 Resp: 37472
Ion Ratio Lower Upper
43 100
61 13.9 11.9 17.9
70 11.1 9.7 14.5



#38
Carbon Tetrachloride
Concen: 7.317 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

Tgt Ion: 117 Resp: 58825
Ion Ratio Lower Upper
117 100
119 4.9 79.4 119.2#
121 0.0 24.0 36.0#

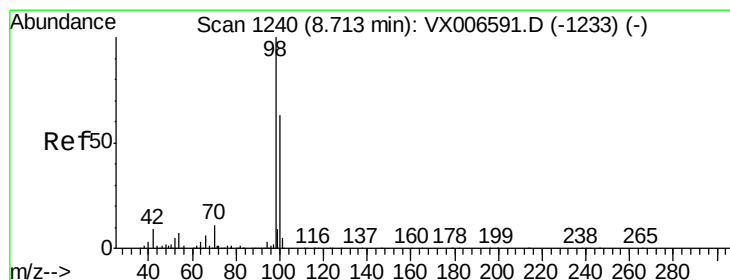
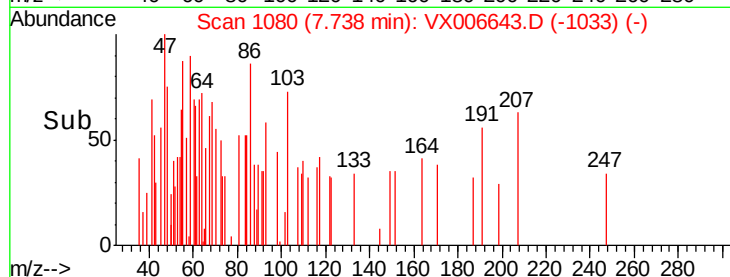
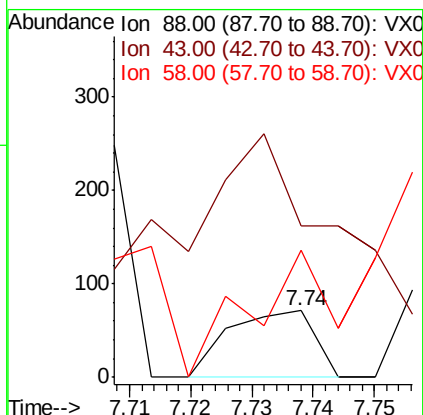
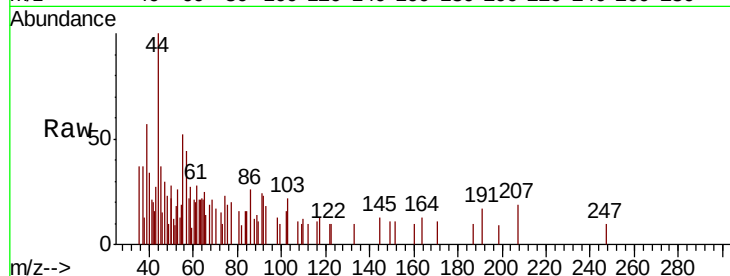




#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1080
Delta R.T. -0.01 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

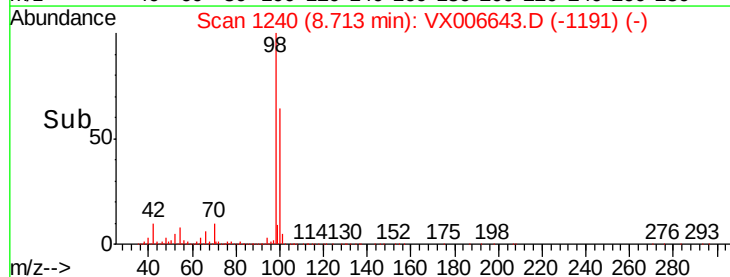
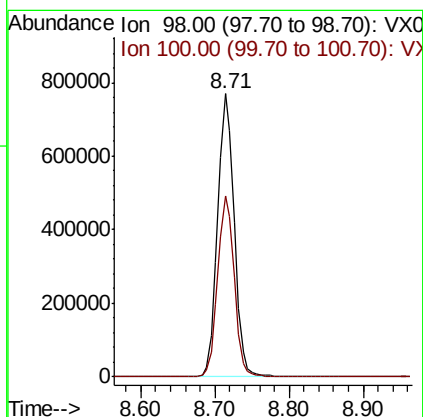
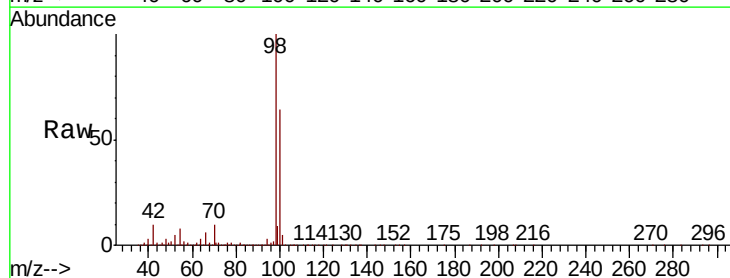
Instrument :
MSVOA_X
ClientSampleId :
977-FB121818

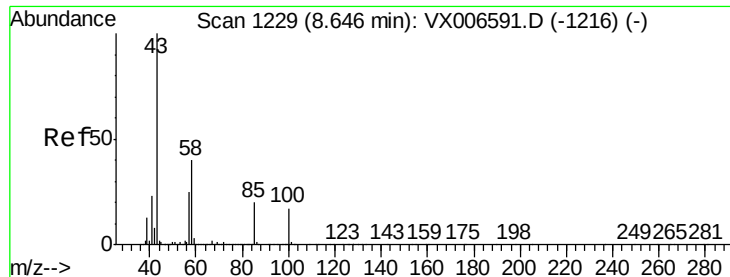
Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 311.6 22.2 33.4#
58 0.0 51.0 76.4#



#50
Toluene-d8
Concen: 49.649 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

Tgt Ion: 98 Resp: 1182213
Ion Ratio Lower Upper
98 100
100 63.7 52.0 78.0





#51

4-Methyl-2-Pentanone

Concen: 0.505 ug/l

RT: 8.65 min Scan# 1229

Delta R.T. -0.00 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

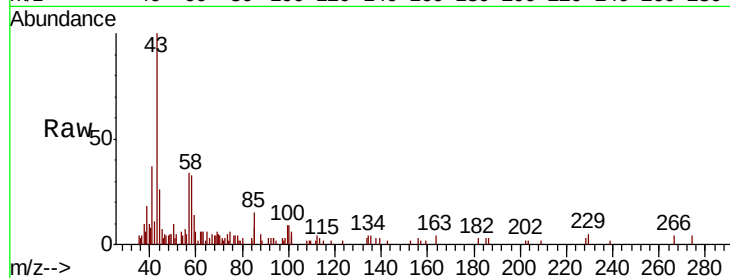
977-FB121818

Tot Ion: 43 Resp: 4207

Ion Ratio Lower Upper

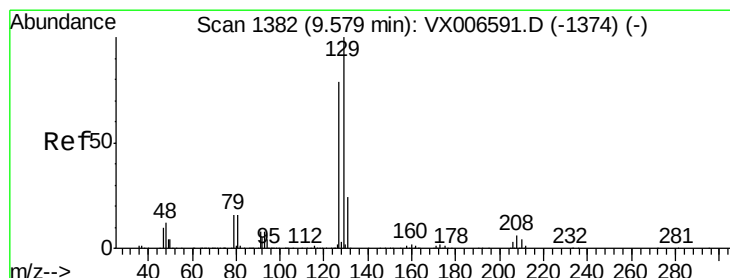
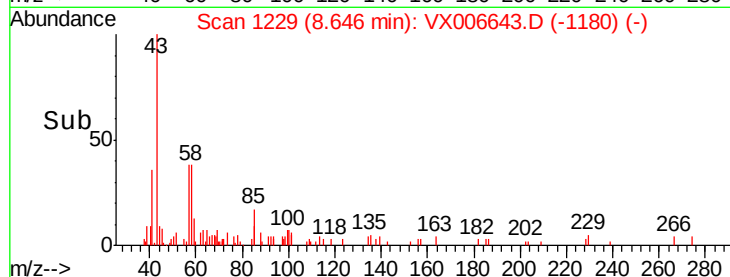
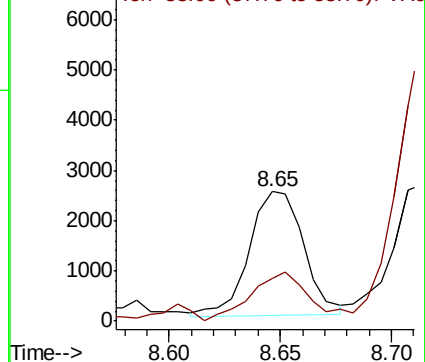
43 100

58 43.7 31.8 47.6



Abundance Ion 43.00 (42.70 to 43.70): VX006643.D (-1180) (-)

Ion 58.00 (57.70 to 58.70): VX006643.D (-1180) (-)



#60

Dibromochloromethane

Concen: 2.331 ug/l

RT: 9.52 min Scan# 1372

Delta R.T. -0.06 min

Lab File: VX006643.D

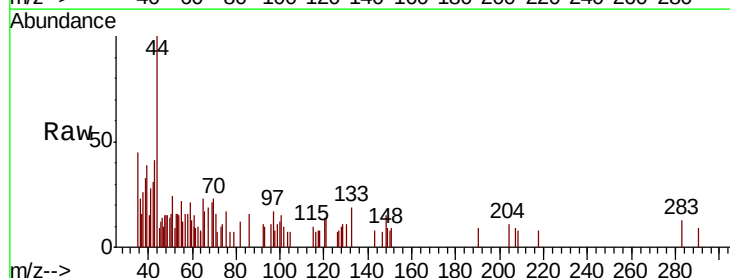
Acq: 19 Dec 2018 18:04

Tgt Ion: 129 Resp: 51

Ion Ratio Lower Upper

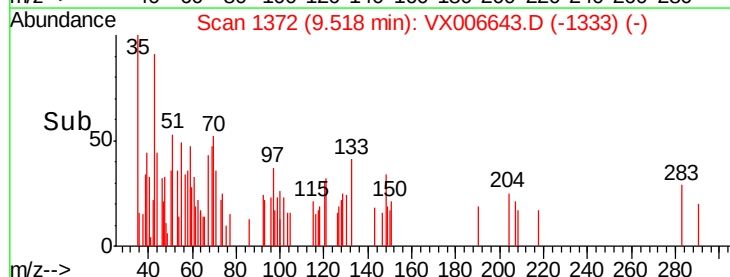
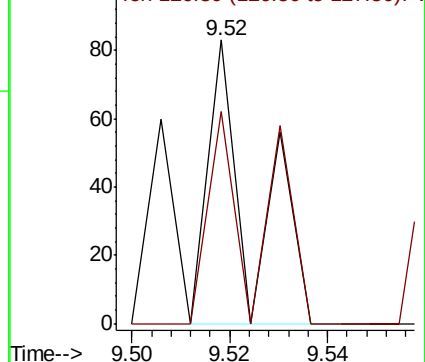
129 100

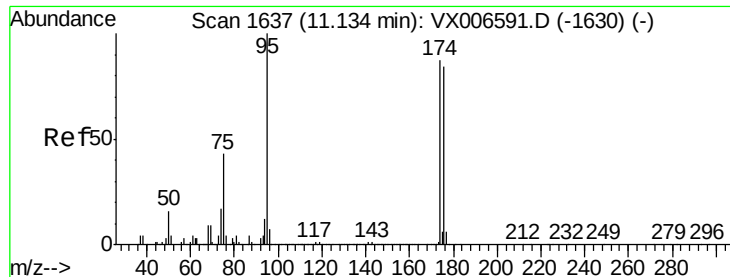
127 86.3 39.3 117.8



Abundance Ion 128.80 (128.50 to 129.50): VX006643.D (-1333) (-)

Ion 126.80 (126.50 to 127.50): VX006643.D (-1333) (-)

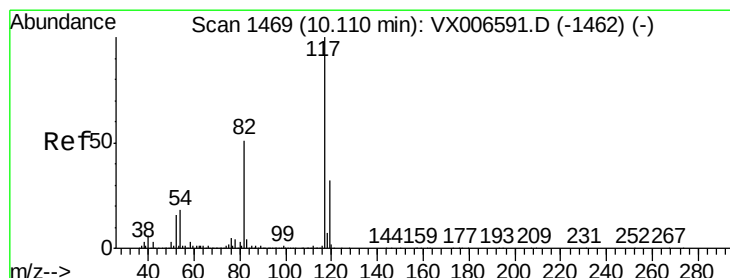
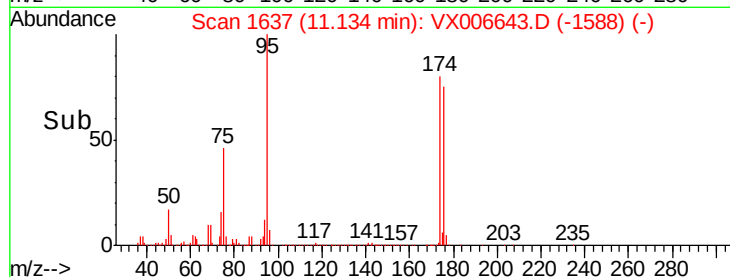
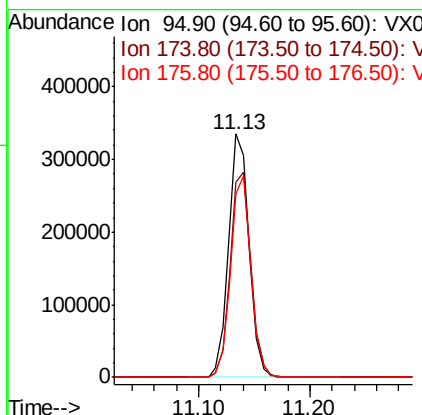
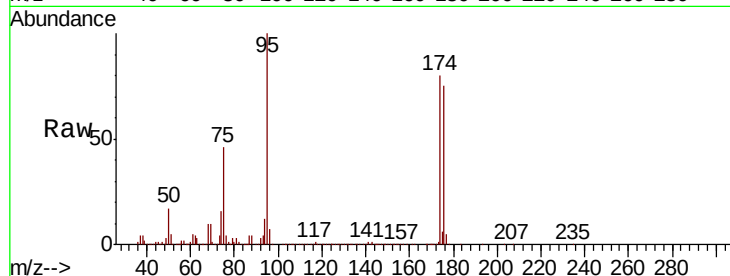




#62
4-Bromofluorobenzene
Concen: 48.759 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

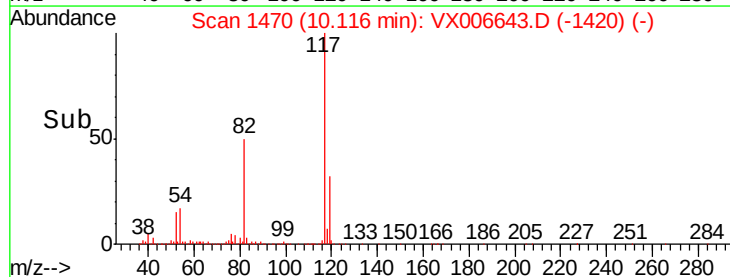
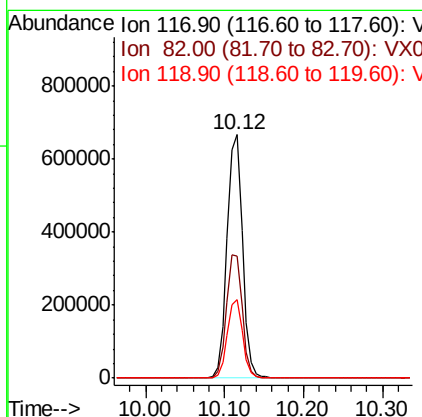
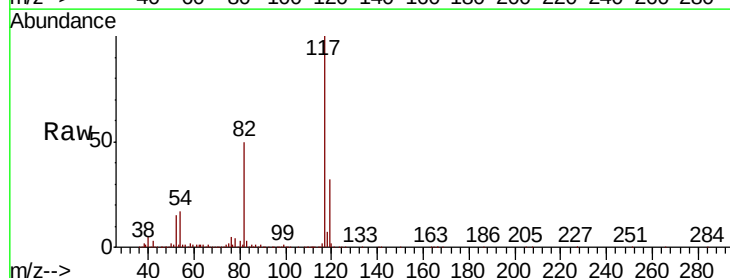
Instrument :
MSVOA_X
ClientSampleId :
977-FB121818

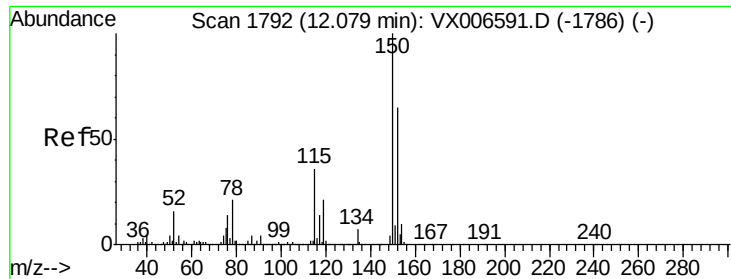
Tot Ion: 95 Resp: 425212
Ion Ratio Lower Upper
95 100
174 85.7 0.0 182.2
176 82.1 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006643.D
Acq: 19 Dec 2018 18:04

Tgt Ion: 117 Resp: 909724
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.6
119 32.2 25.4 38.0

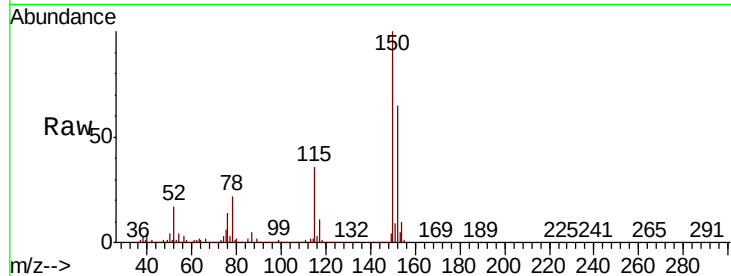




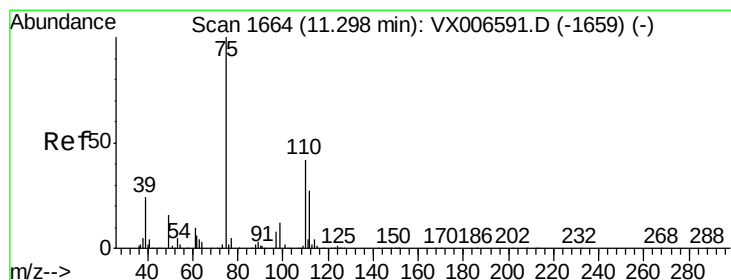
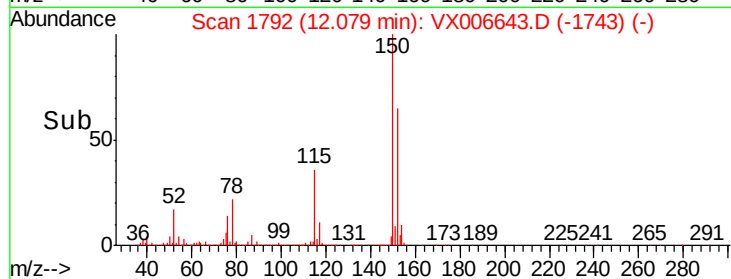
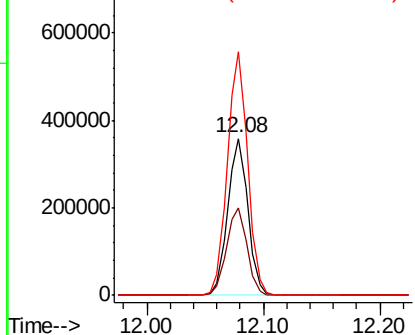
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.08 min Scan# 1792
 Delta R.T. -0.00 min
 Lab File: VX006643.D
 Acq: 19 Dec 2018 18:04

Instrument :
 MSVOA_X
 ClientSampleId :
 977-FB121818

Tot Ion	Ratio	Lower	Upper
152	100		
115	56.9	39.1	117.2
150	156.2	0.0	344.8

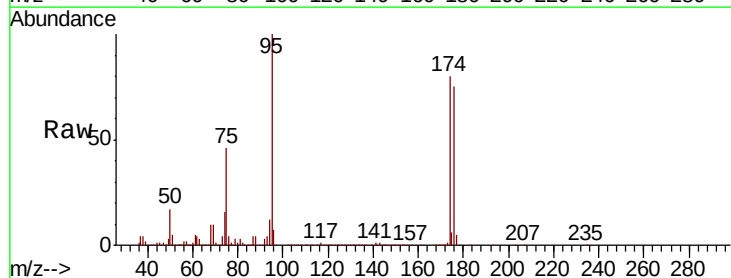


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

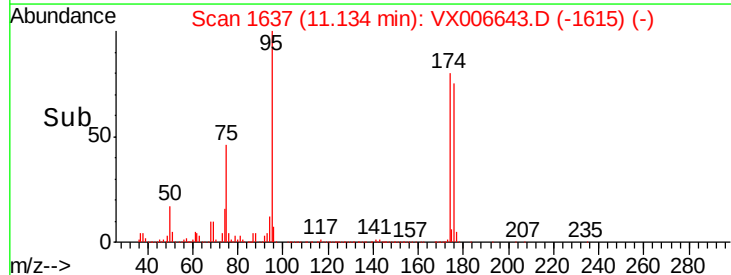
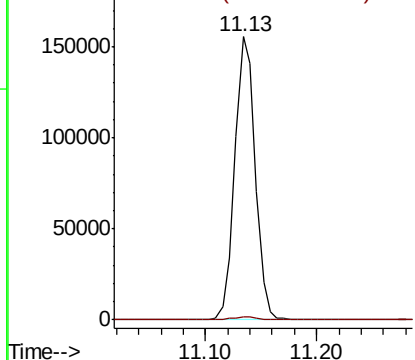


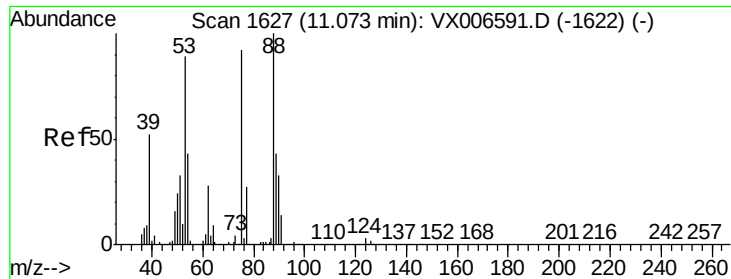
#76
 1,2,3-Trichloropropane
 Concen: 24.672 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.16 min
 Lab File: VX006643.D
 Acq: 19 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.4	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: 72.959 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006643.D

Acq: 19 Dec 2018 18:04

Instrument :

MSVOA_X

ClientSampleId :

977-FB121818

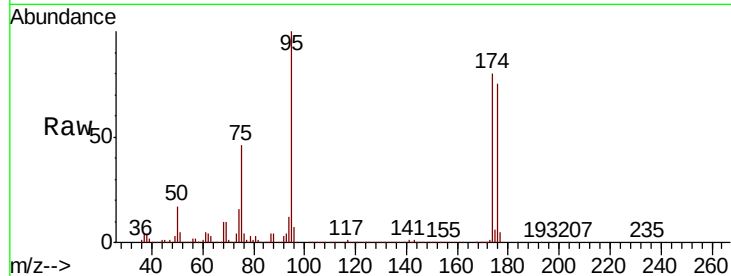
Tot Ion: 75 Resp: 197105

Ion Ratio Lower Upper

75 100

53 0.0 79.7 119.5#

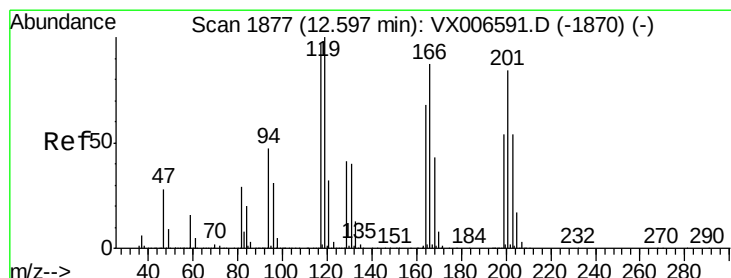
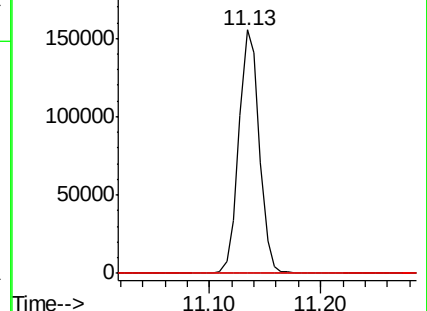
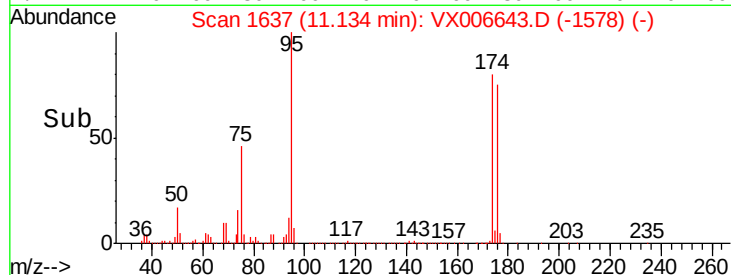
89 0.0 38.0 57.0#



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: 3.298 ug/l

RT: 12.46 min Scan# 1855

Delta R.T. -0.13 min

Lab File: VX006643.D

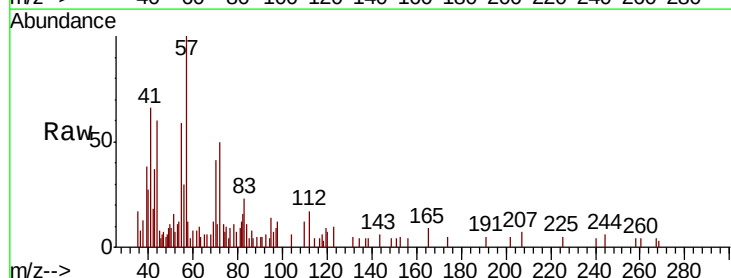
Acq: 19 Dec 2018 18:04

Tgt Ion: 117 Resp: 21

Ion Ratio Lower Upper

117 100

201 114.3 42.9 128.7



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

