

Data Path : C:\USERS\EUSER\DESKTOP\MANSI\X\VX1210118\
 Data File : VX006751.D
 Acq On : 22 Dec 2018 04:25
 Operator : JC/MD
 Sample : PB115902TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB115902TB

Quant Time: Dec 23 23:10:06 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	639419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1005227	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	921580	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	424813	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	345657	50.16	ug/l	0.01
Spiked Amount	50.000		Recovery	=	100.32%	
35) Dibromofluoromethane	5.51	113	302501	47.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.18%	
50) Toluene-d8	8.71	98	1183390	49.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.76%	
62) 4-Bromofluorobenzene	11.13	95	415157	47.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.60%	

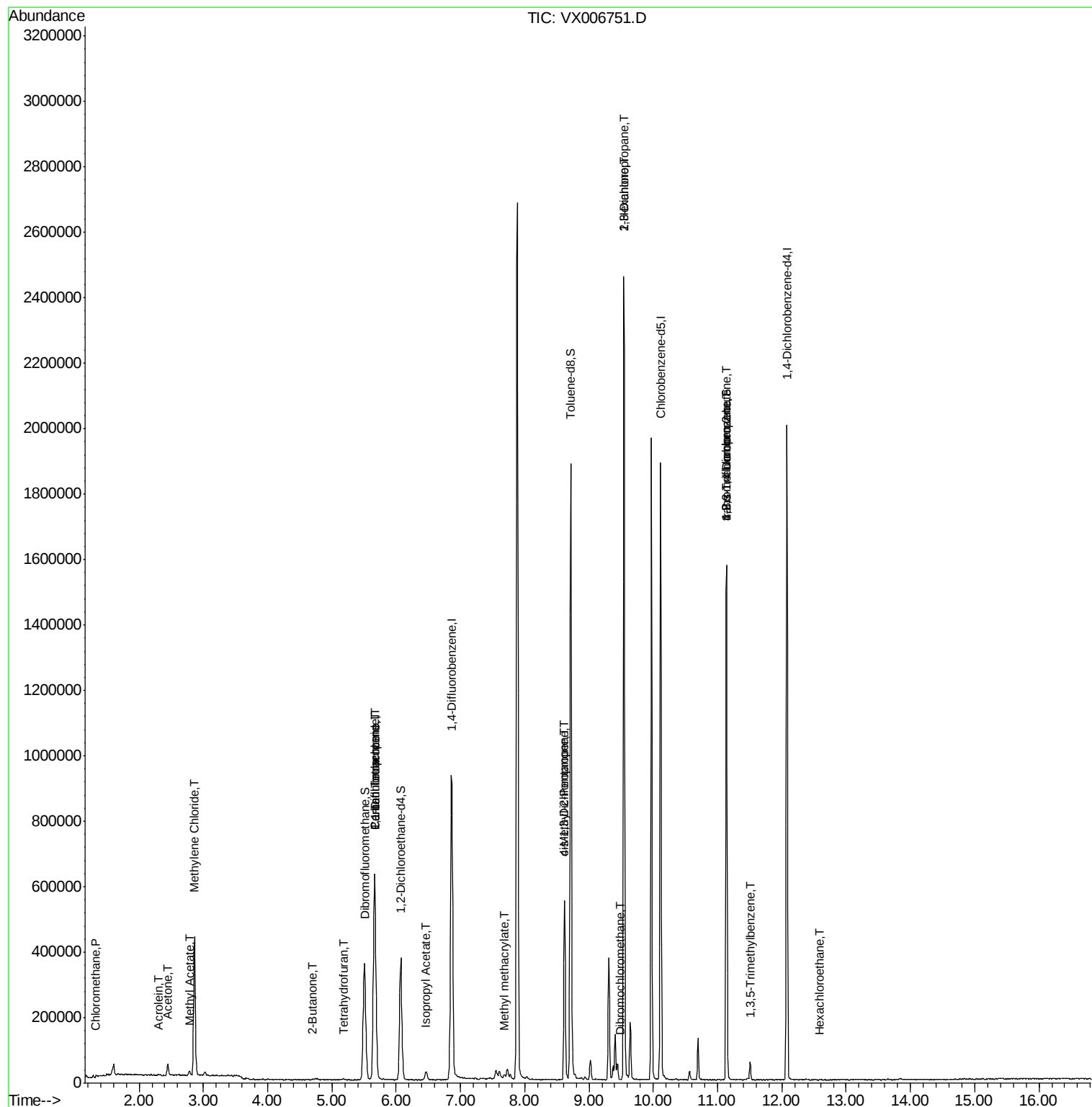
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.33	50	3506	0.556	ug/l	94
5) Bromomethane	1.65	94	397	Below Cal	#	62
13) Acrolein	2.31	56	274	0.264	ug/l #	65
16) Acetone	2.45	43	37452	11.829	ug/l	100
18) Methyl Acetate	2.78	43	16490	1.771	ug/l	96
20) Methylene Chloride	2.86	84	193999	29.632	ug/l	96
25) 2-Butanone	4.71	43	4084	0.917	ug/l #	85
28) Bromochloromethane	5.03	49	579	Below Cal	#	8
29) Tetrahydrofuran	5.18	42	2858	0.974	ug/l #	46
36) 1,1-Dichloropropene	5.67	75	42746	5.134	ug/l #	47
38) Carbon Tetrachloride	5.67	117	60249	7.446	ug/l #	14
43) Isopropyl Acetate	6.46	43	34254	2.598	ug/l	99
48) Methyl methacrylate	7.69	41	18221	2.718	ug/l #	12
49) 1,4-Dioxane	7.74	88	53	Below Cal	#	27
51) 4-Methyl-2-Pentanone	8.62	43	178864	21.321	ug/l #	47
54) cis-1,3-Dichloropropene	8.62	75	90550	10.231	ug/l #	62
57) 1,3-Dichloropropane	9.54	76	21931	2.037	ug/l #	45
59) 2-Hexanone	9.54	43	275240	42.881	ug/l #	50
60) Dibromochloromethane	9.50	129	47	2.331	ug/l	88
76) 1,2,3-Trichloropropane	11.13	75	192705	24.409	ug/l #	40
80) 1,3,5-Trimethylbenzene	11.51	105	21963	0.918	ug/l	100
81) trans-1,4-Dichloro-2-buten	11.13	75	192705	72.228	ug/l #	10
90) Hexachloroethane	12.59	117	85	3.313	ug/l #	6

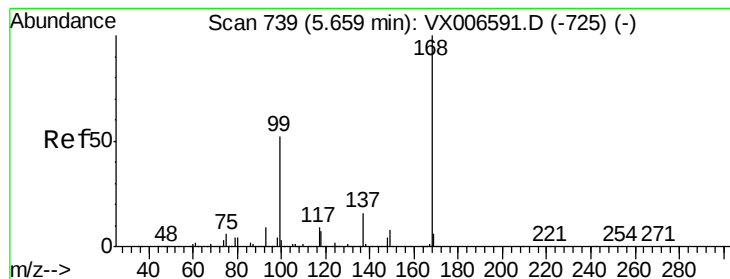
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 23 23:10:06 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





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

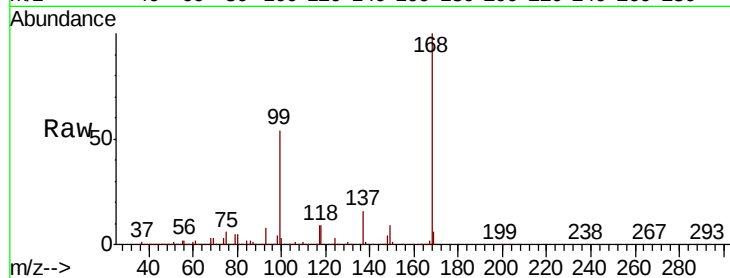
PB115902TB

Tot Ion:168 Resp: 639419

Ion Ratio Lower Upper

168 100

99 53.9 41.8 62.8



Abundance Ion 167.90 (167.60 to 168.60): VX006751.D (-690) (-)

Ion 98.90 (98.60 to 99.60): VX006751.D (-690) (-)

5.67

250000

200000

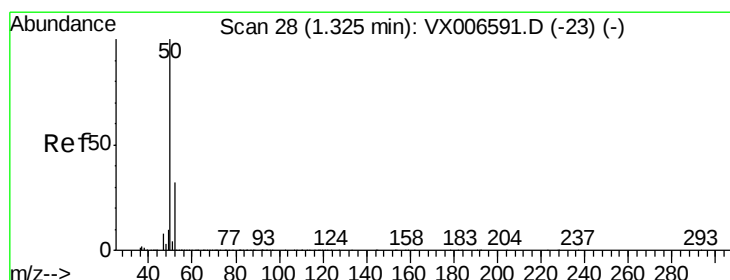
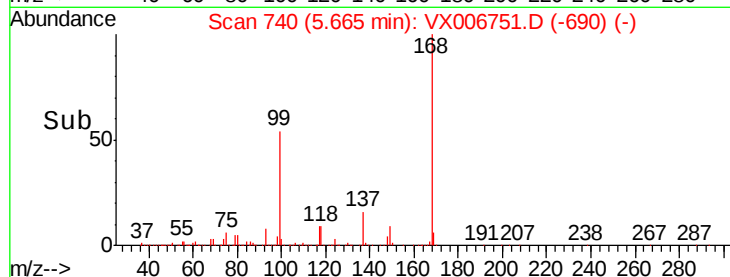
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.556 ug/l

RT: 1.33 min Scan# 29

Delta R.T. 0.01 min

Lab File: VX006751.D

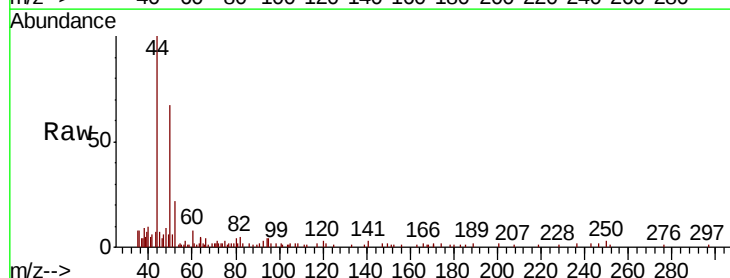
Acq: 22 Dec 2018 04:25

Tgt Ion: 50 Resp: 3506

Ion Ratio Lower Upper

50 100

52 28.5 25.4 38.2



Abundance Ion 49.90 (49.60 to 50.60): VX006751.D (-1) (-)

Ion 51.90 (51.60 to 52.60): VX006751.D (-1) (-)

1.33

4000

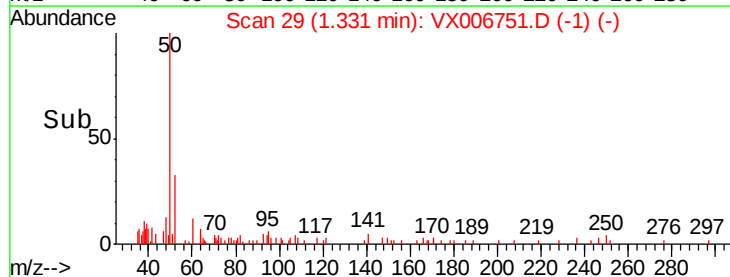
3000

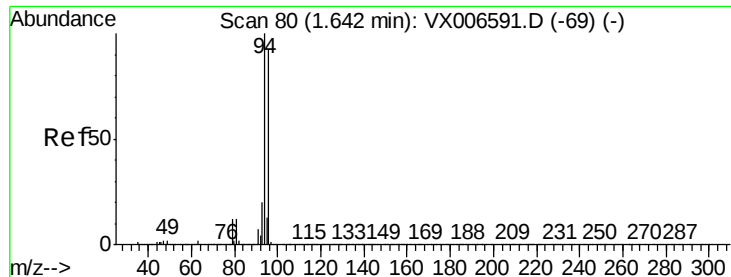
2000

1000

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 82

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

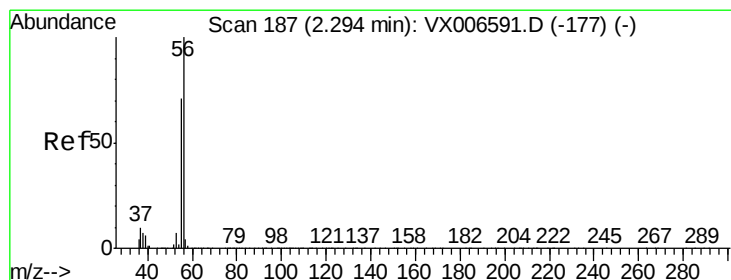
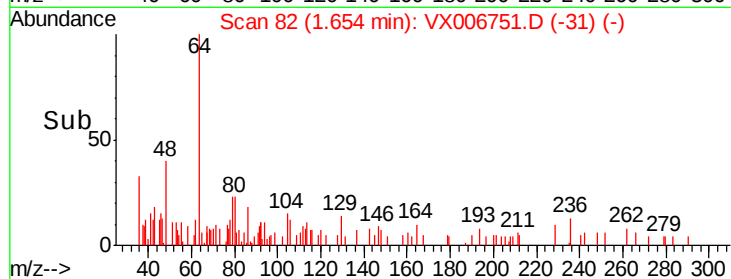
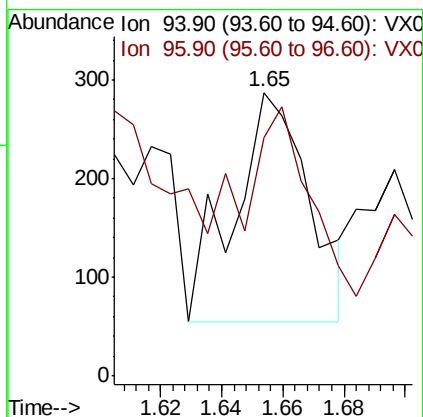
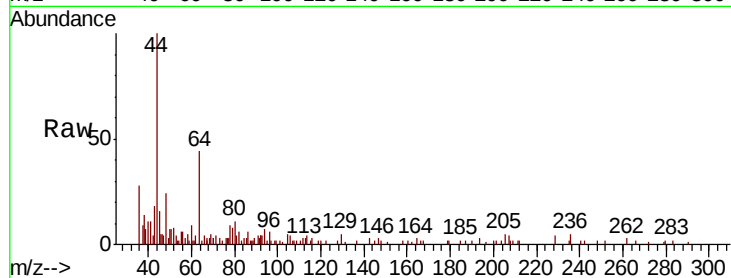
PB115902TB

Tot Ion: 94 Resp: 397

Ion Ratio Lower Upper

94 100

96 56.0 73.4 110.2#



#13

Acrolein

Concen: 0.264 ug/l

RT: 2.31 min Scan# 189

Delta R.T. 0.01 min

Lab File: VX006751.D

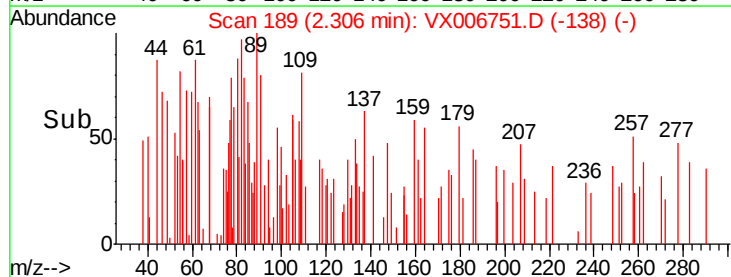
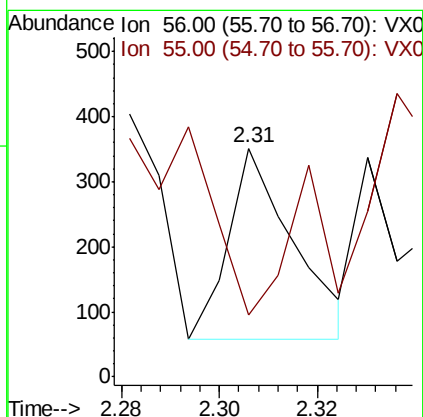
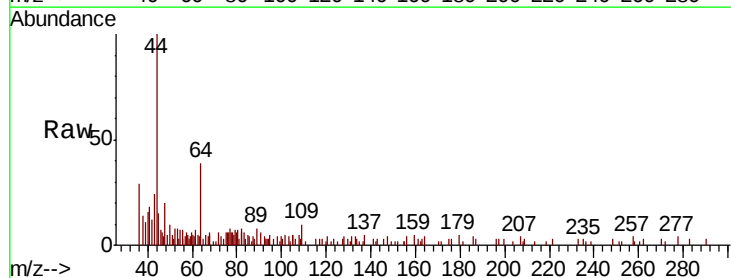
Acq: 22 Dec 2018 04:25

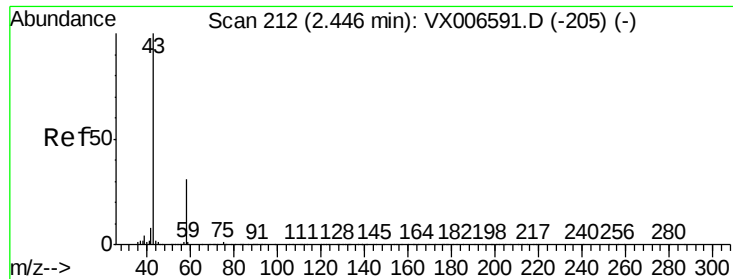
Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 43.4 58.2 87.4#





#16

Acetone

Concen: 11.829 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

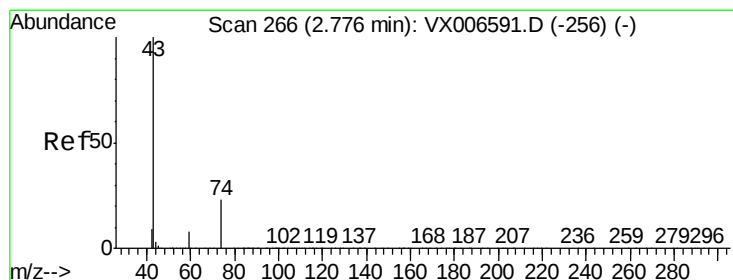
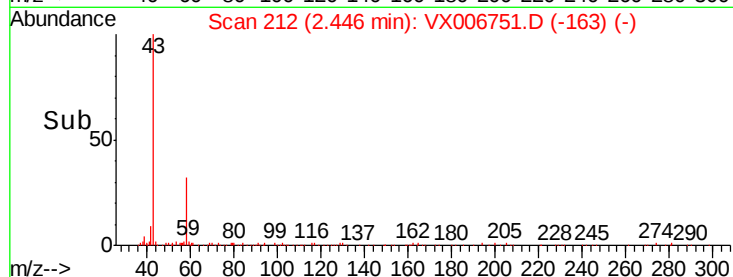
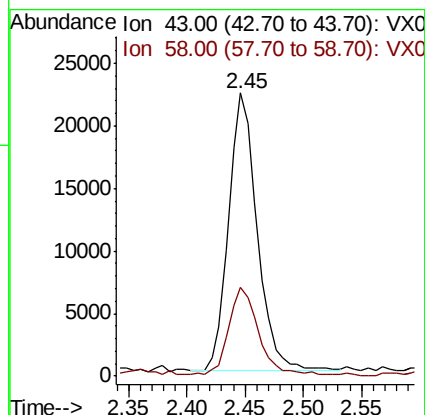
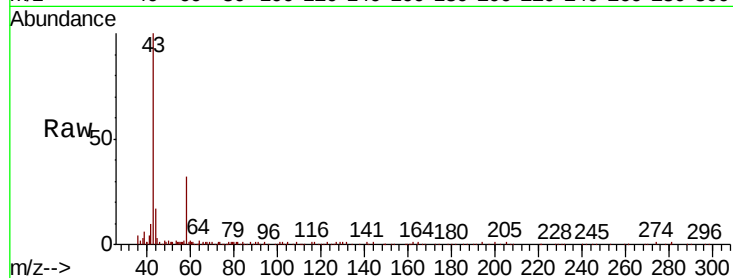
PB115902TB

Tot Ion: 43 Resp: 37452

Ion Ratio Lower Upper

43 100

58 31.5 25.0 37.6



#18

Methyl Acetate

Concen: 1.771 ug/l

RT: 2.78 min Scan# 267

Delta R.T. 0.01 min

Lab File: VX006751.D

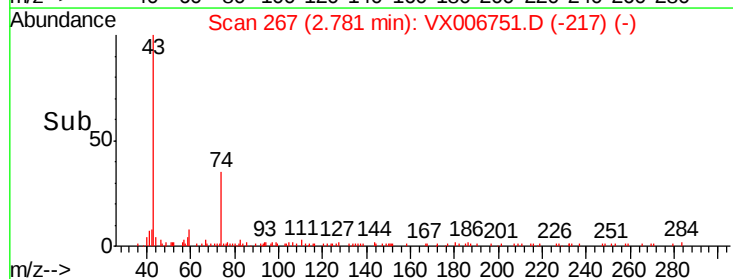
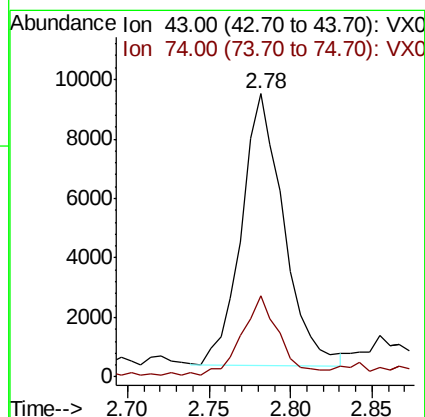
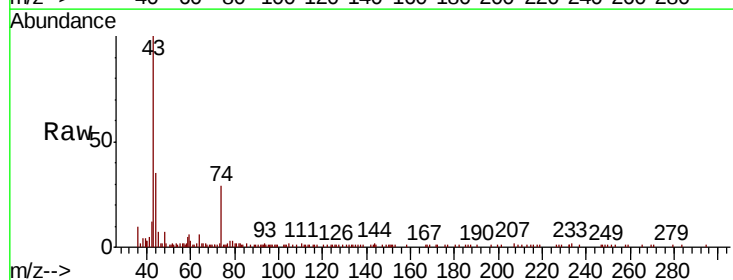
Acq: 22 Dec 2018 04:25

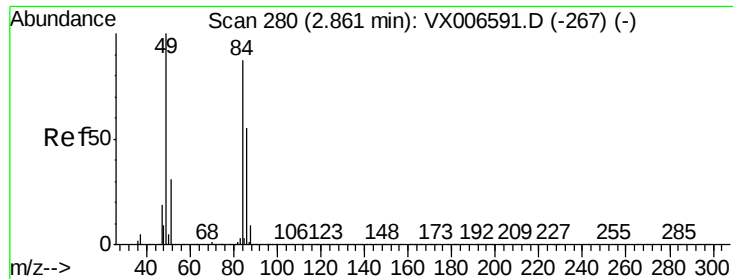
Tgt Ion: 43 Resp: 16490

Ion Ratio Lower Upper

43 100

74 25.3 18.6 28.0

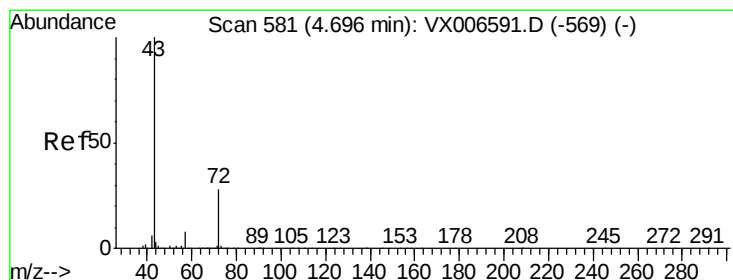
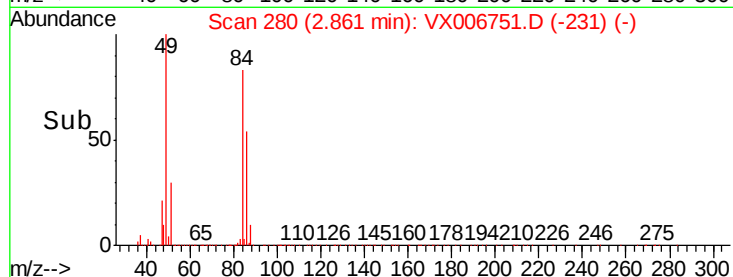
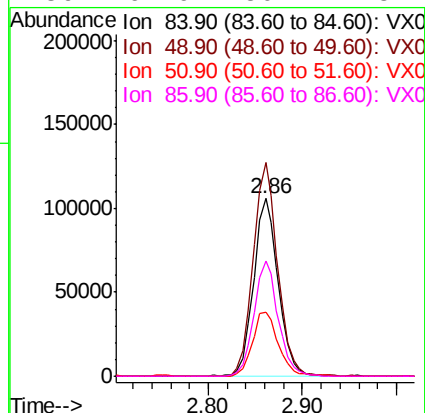
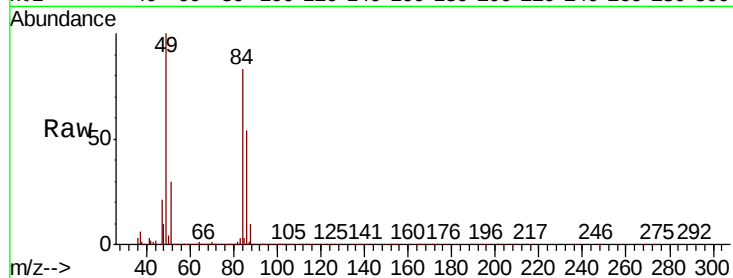




#20
Methvlene Chloride
Concen: 29.632 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

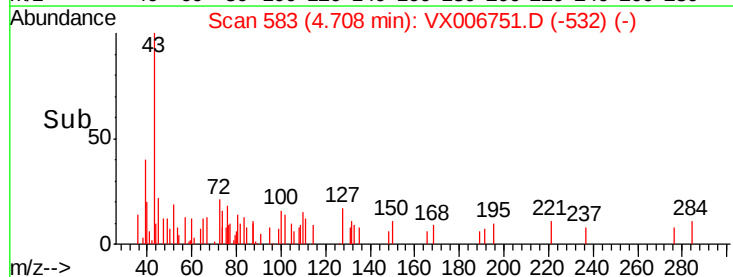
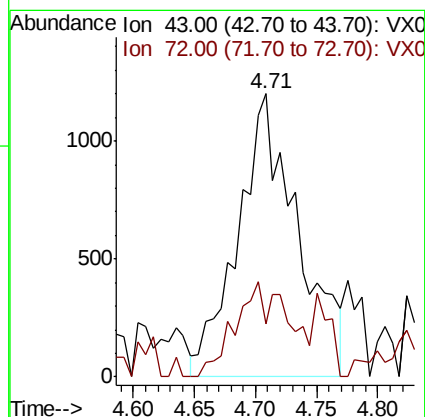
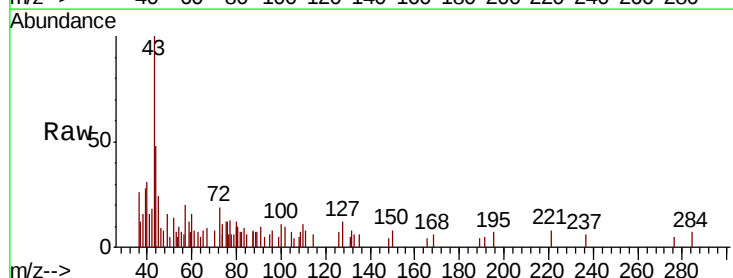
Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

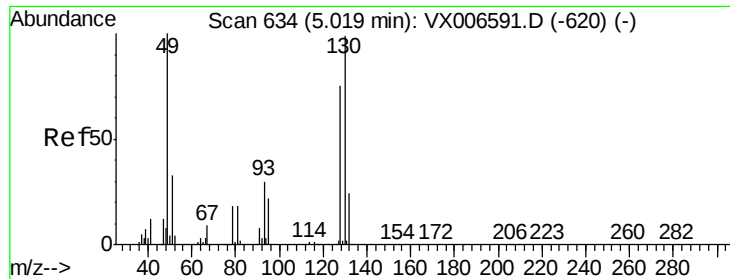
Tot Ion: 84 Resp: 193999
Ion Ratio Lower Upper
84 100
49 120.3 91.8 137.6
51 36.2 28.5 42.7
86 64.9 50.2 75.2



#25
2-Butanone
Concen: 0.917 ug/l
RT: 4.71 min Scan# 583
Delta R.T. 0.01 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 43 Resp: 4084
Ion Ratio Lower Upper
43 100
72 20.1 22.4 33.6#





#28

Bromochloromethane

Concen: Below Cal

RT: 5.03 min Scan# 636

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB115902TB

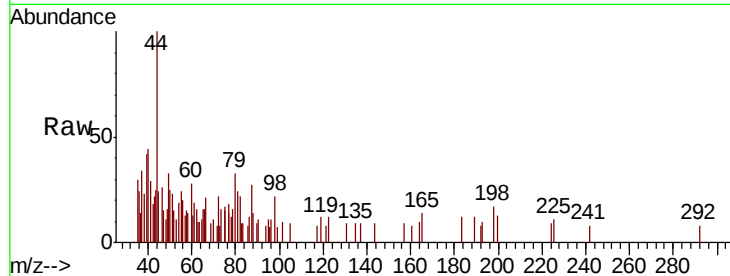
Tot Ion: 49 Resp: 579

Ion Ratio Lower Upper

49 100

129 0.0 0.0 5.4

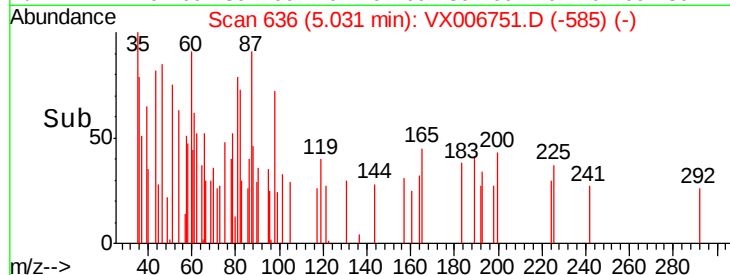
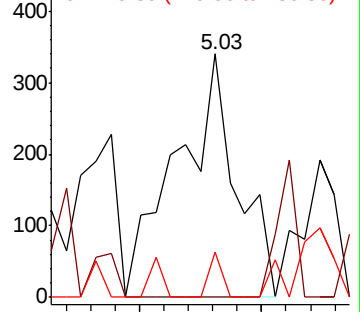
130 4.0 77.7 116.5#



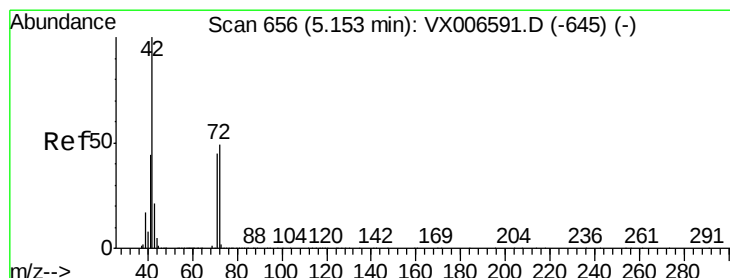
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 0.974 ug/l

RT: 5.18 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

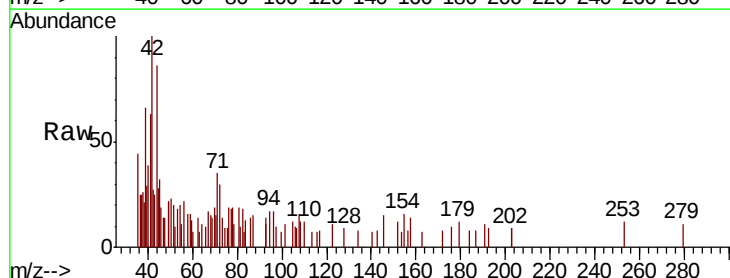
Tgt Ion: 42 Resp: 2858

Ion Ratio Lower Upper

42 100

72 0.0 38.9 58.3#

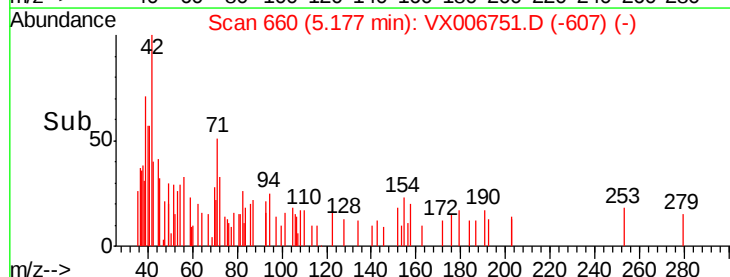
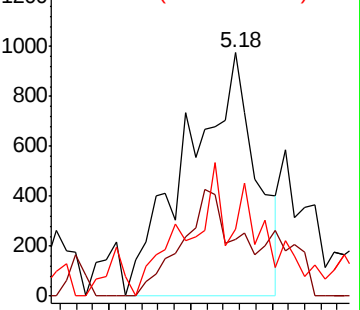
71 22.2 36.2 54.4#



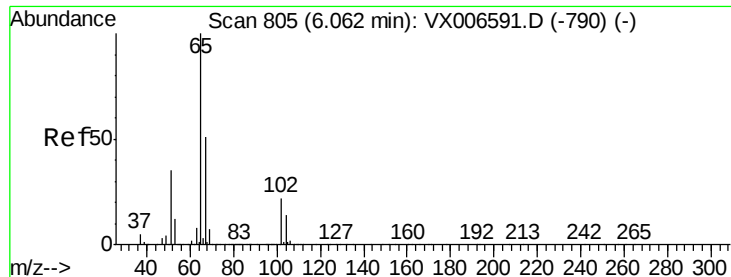
Abundance Ion 42.00 (41.70 to 42.70): VX0

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: 50.158 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

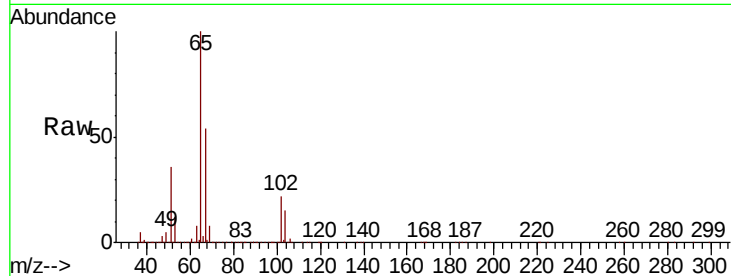
PB115902TB

Tot Ion: 65 Resp: 345657

Ion Ratio Lower Upper

65 100

67 53.9 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

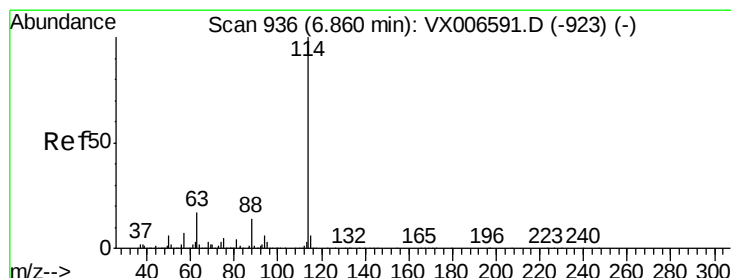
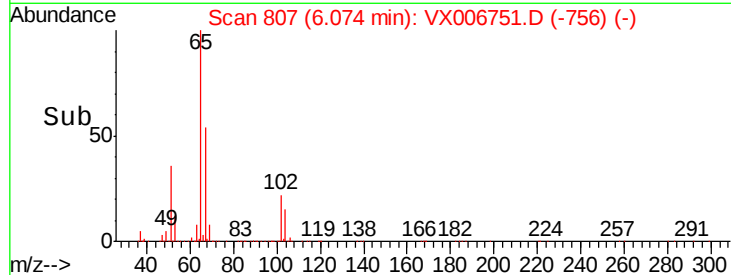
150000

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: VX006751.D

Acq: 22 Dec 2018 04:25

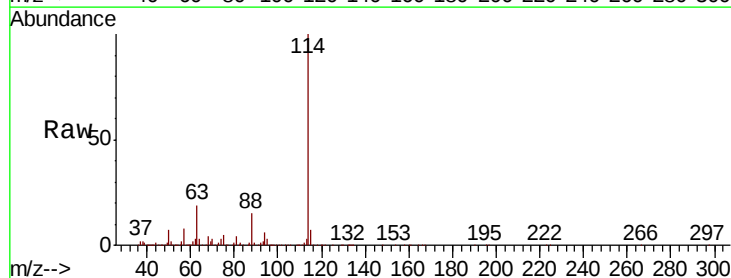
Tgt Ion: 114 Resp: 1005227

Ion Ratio Lower Upper

114 100

63 18.6 0.0 34.8

88 15.4 0.0 28.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.86

500000

400000

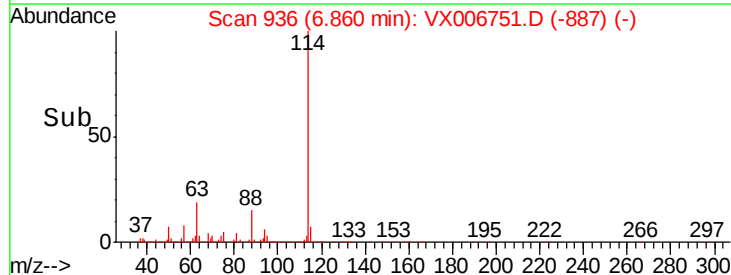
300000

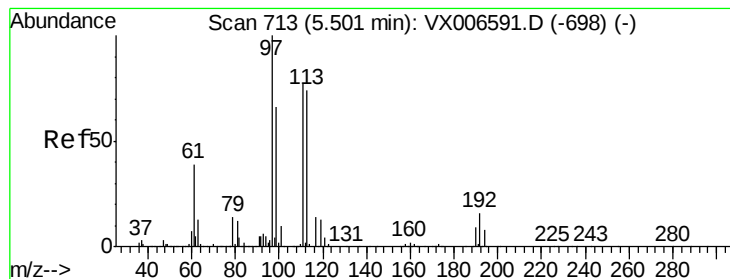
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 47.586 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB115902TB

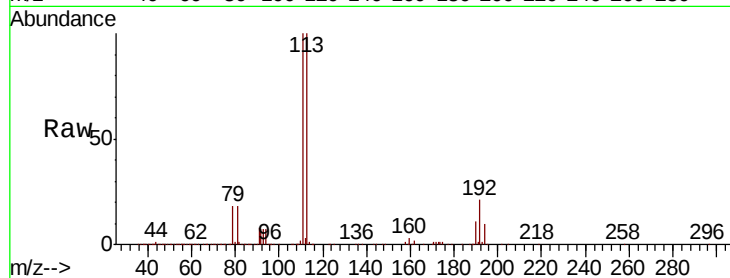
Tot Ion:113 Resp: 302501

Ion Ratio Lower Upper

113 100

111 102.6 81.6 122.4

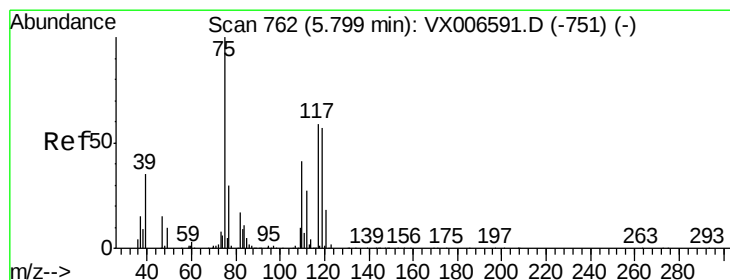
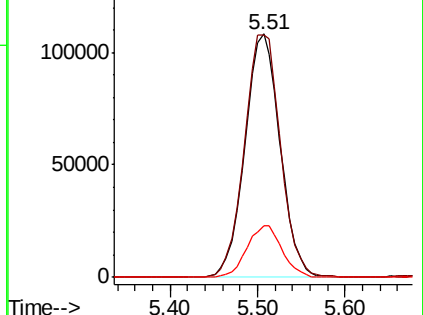
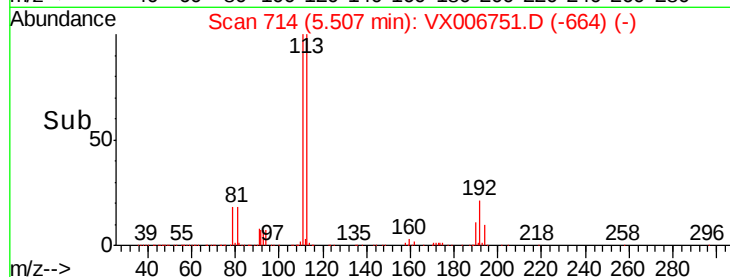
192 21.2 16.7 25.1



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: 5.134 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

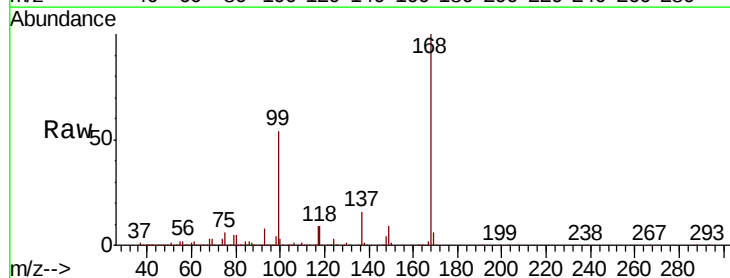
Tgt Ion: 75 Resp: 42746

Ion Ratio Lower Upper

75 100

110 8.9 20.2 60.5#

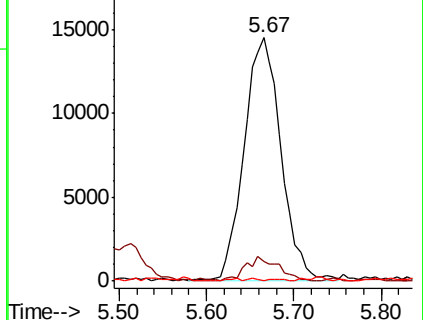
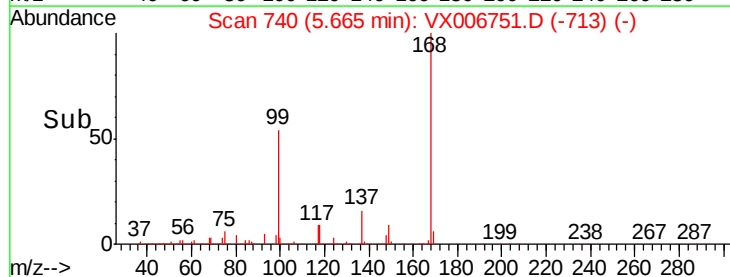
77 0.4 24.8 37.2#

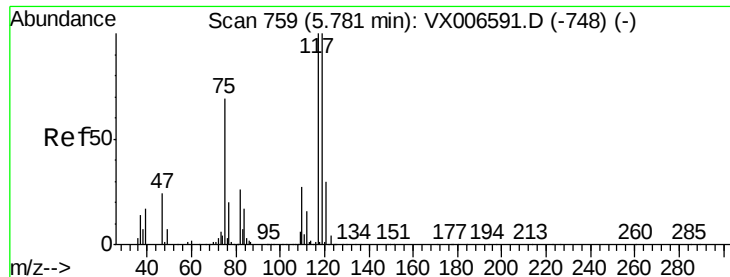


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 7.446 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB115902TB

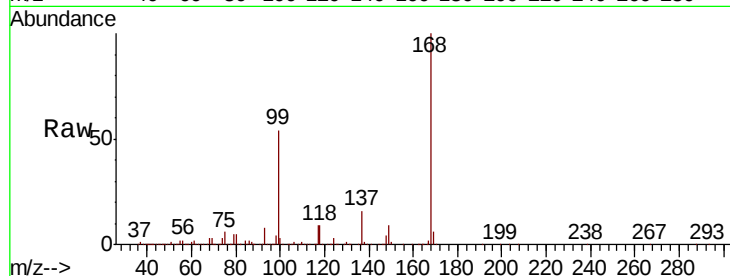
Tot Ion:117 Resp: 60249

Ion Ratio Lower Upper

117 100

119 4.8 79.4 119.2#

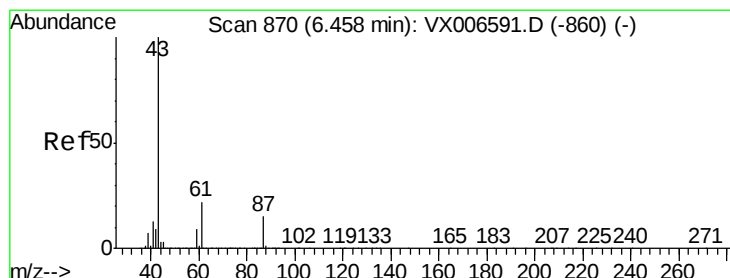
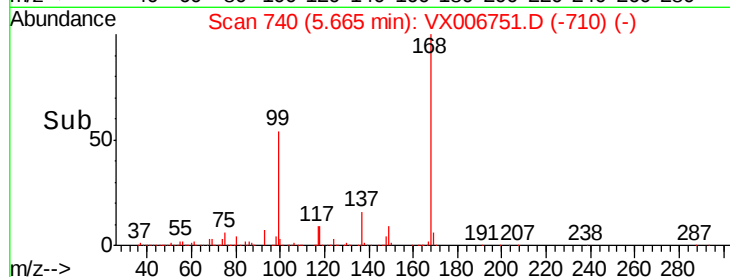
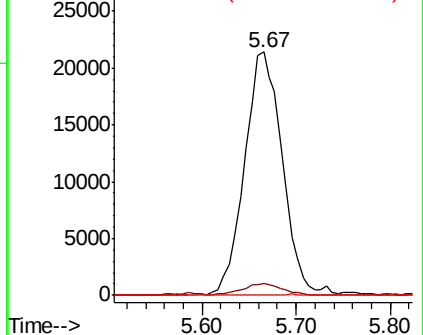
121 0.4 24.0 36.0#



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



#43

Isopropyl Acetate

Concen: 2.598 ug/l

RT: 6.46 min Scan# 871

Delta R.T. 0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

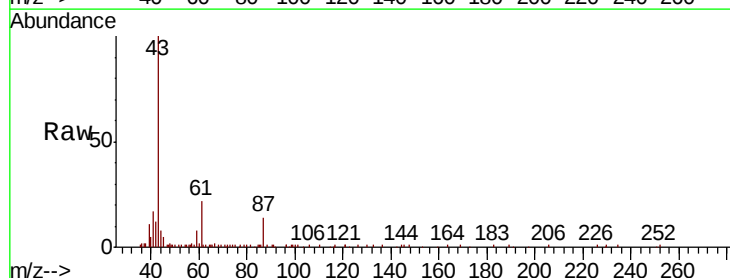
Tgt Ion: 43 Resp: 34254

Ion Ratio Lower Upper

43 100

61 20.9 16.8 25.2

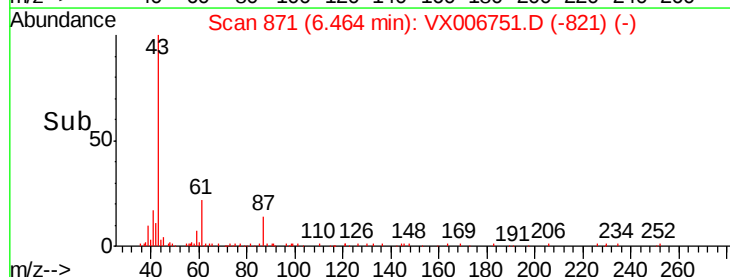
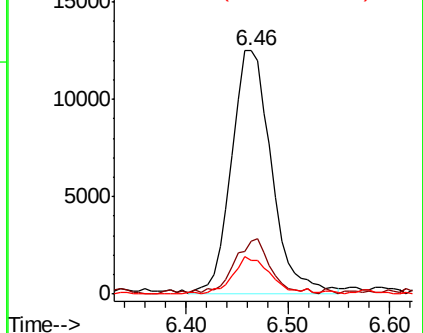
87 14.7 12.4 18.6

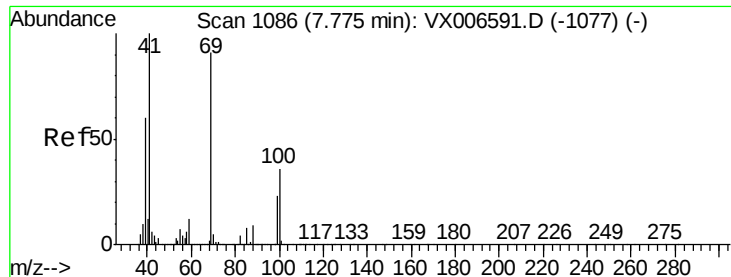


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

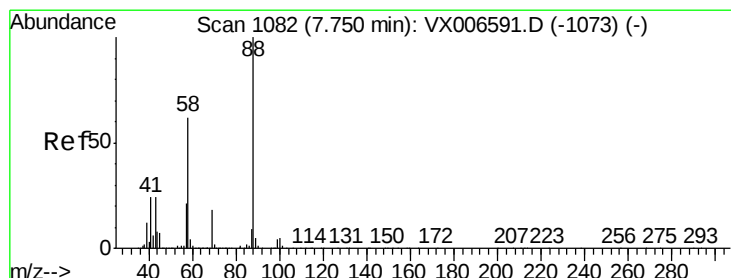
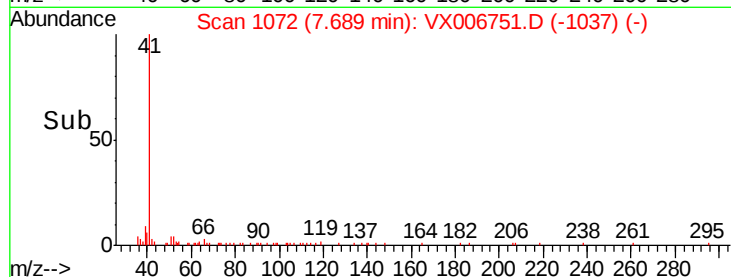
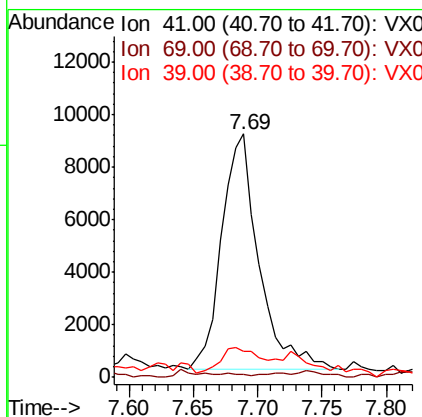
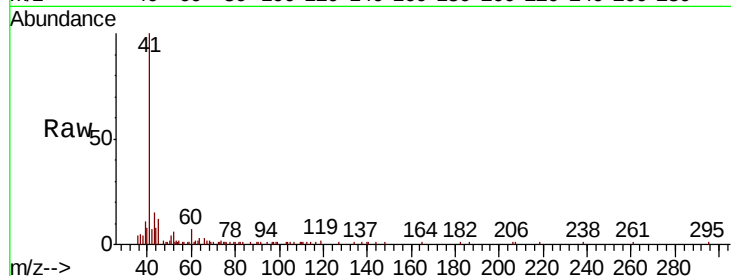




#48
Methvl methacrylate
Concen: 2.718 ug/l
RT: 7.69 min Scan# 1072
Delta R.T. -0.09 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

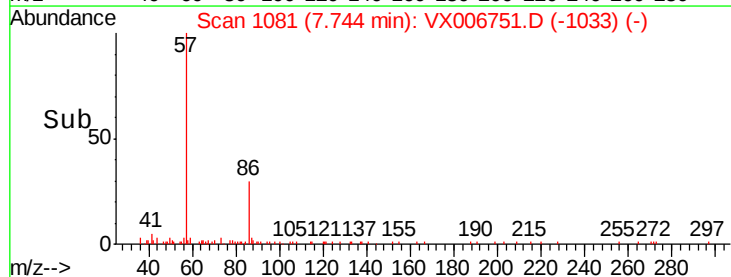
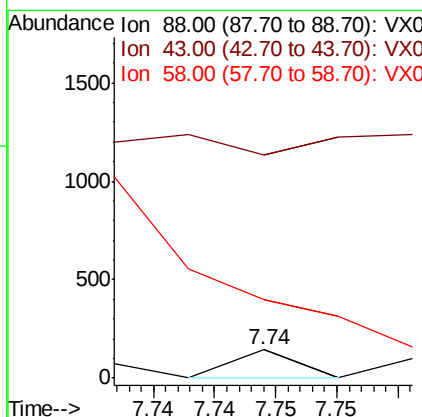
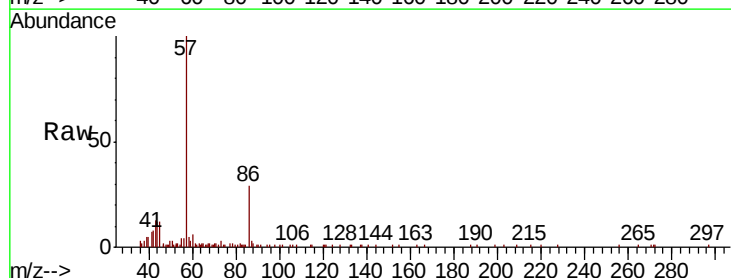
Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

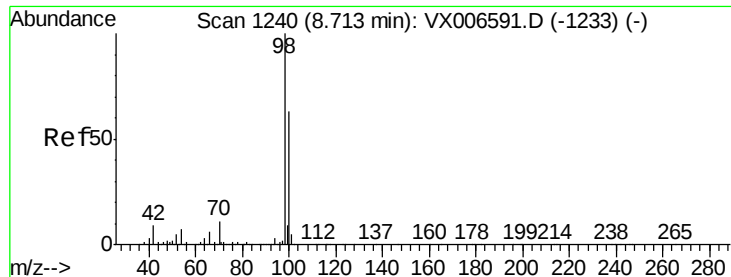
Tot Ion: 41 Resp: 18221
Ion Ratio Lower Upper
41 100
69 0.7 72.4 108.6#
39 0.0 45.8 68.8#



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.74 min Scan# 1081
Delta R.T. -0.01 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 88 Resp: 53
Ion Ratio Lower Upper
88 100
43 0.0 22.2 33.4#
58 0.0 51.0 76.4#

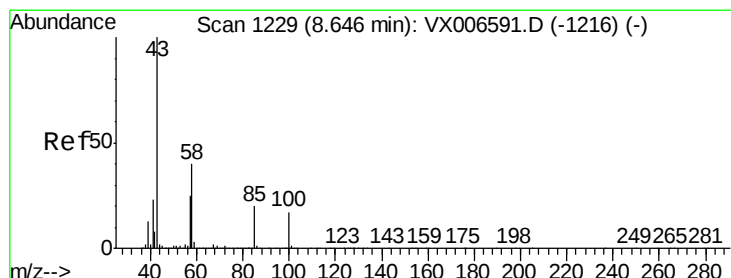
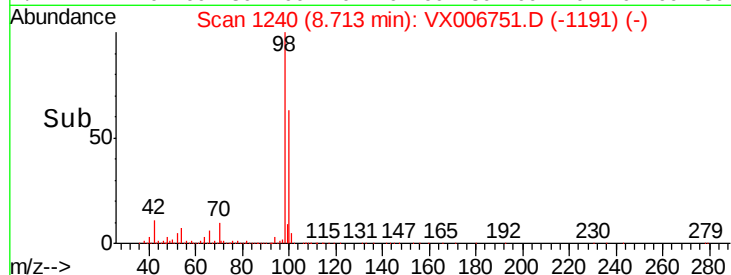
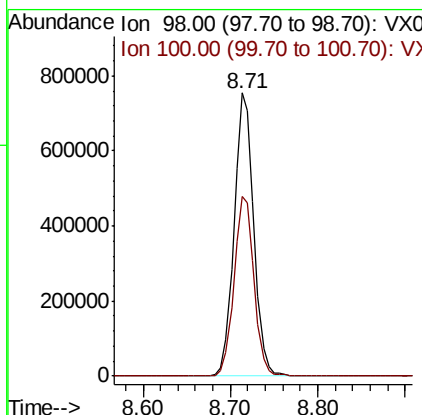
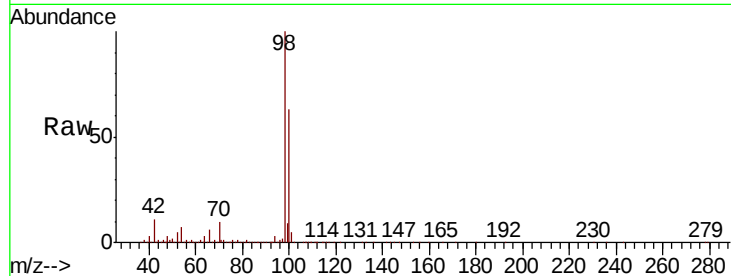




#50
Toluene-d8
Concen: 49.379 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

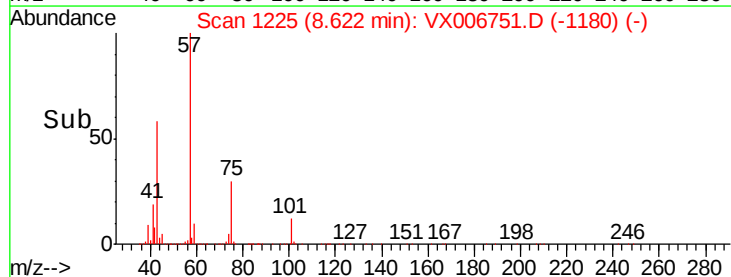
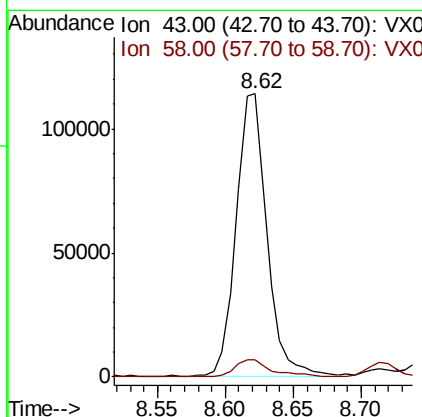
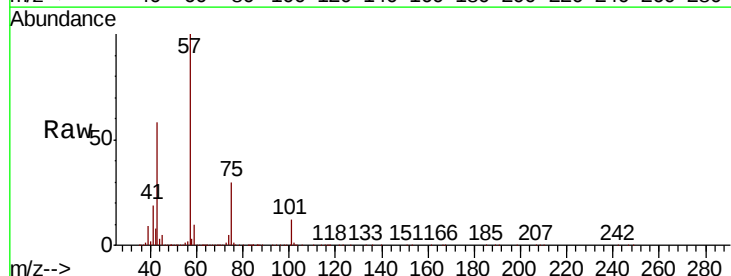
Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

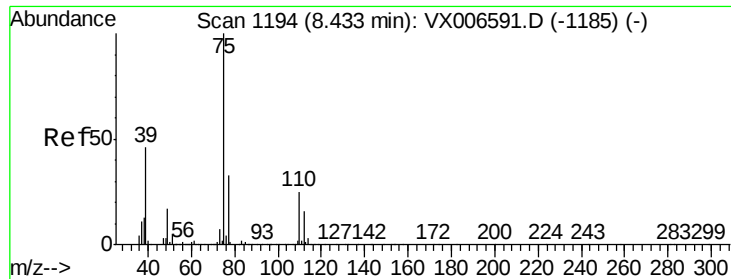
Tot Ion: 98 Resp: 1183390
Ion Ratio Lower Upper
98 100
100 64.7 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 21.321 ug/l
RT: 8.62 min Scan# 1225
Delta R.T. -0.02 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 43 Resp: 178864
Ion Ratio Lower Upper
43 100
58 7.4 31.8 47.6#





#54

cis-1,3-Dichloropropene

Concen: 10.231 ug/l

RT: 8.62 min Scan# 1225

Delta R.T. 0.19 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

PB115902TB

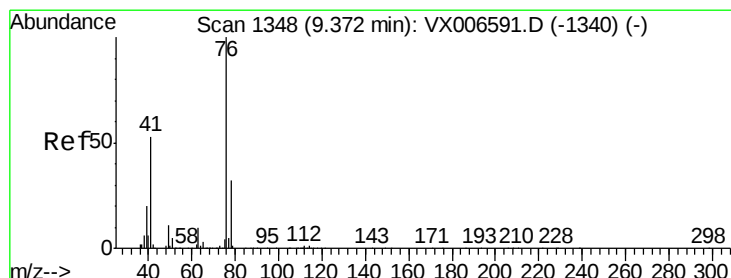
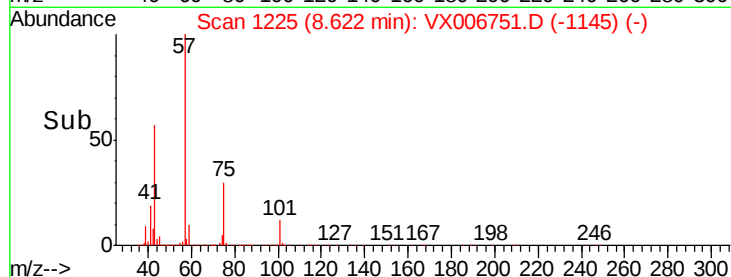
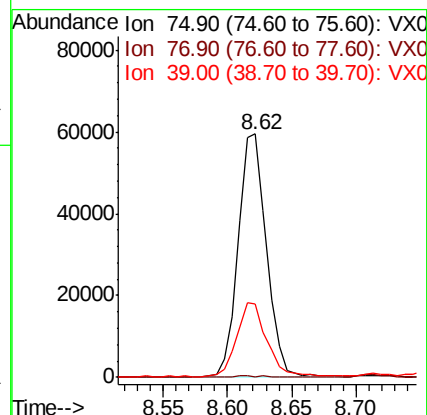
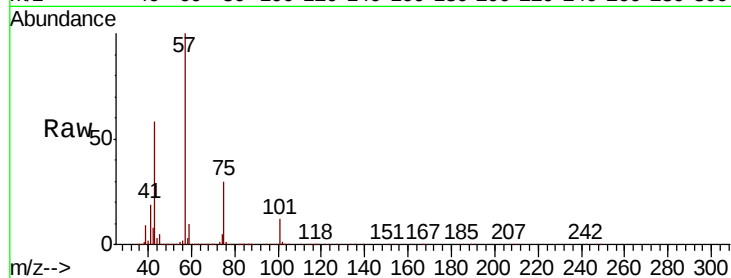
Tot Ion: 75 Resp: 90550

Ion Ratio Lower Upper

75 100

77 0.3 26.2 39.2#

39 29.9 36.7 55.1#



#57

1,3-Dichloropropane

Concen: 2.037 ug/l

RT: 9.54 min Scan# 1376

Delta R.T. 0.17 min

Lab File: VX006751.D

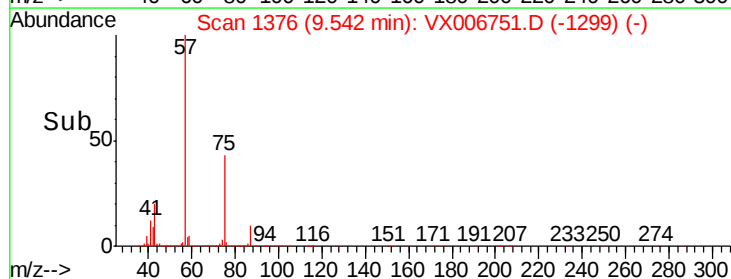
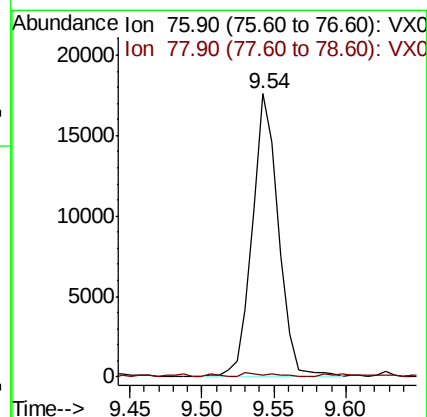
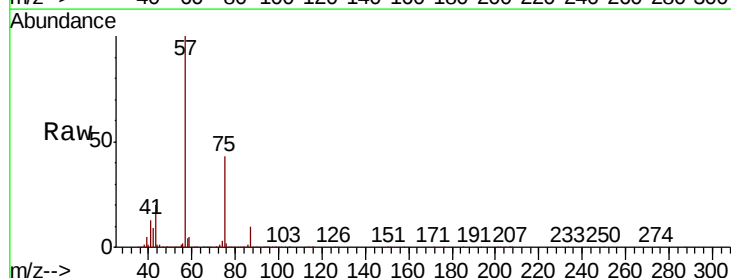
Acq: 22 Dec 2018 04:25

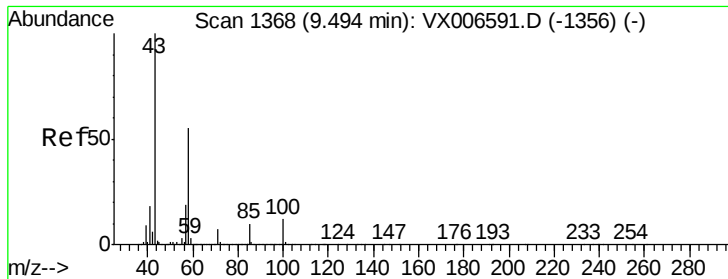
Tgt Ion: 76 Resp: 21931

Ion Ratio Lower Upper

76 100

78 1.7 26.0 39.0#

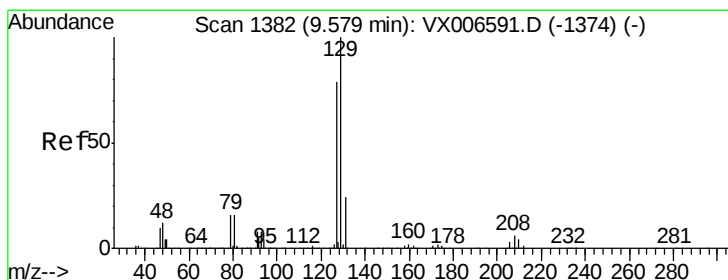
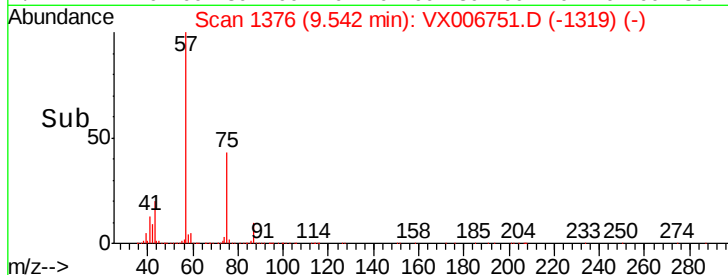
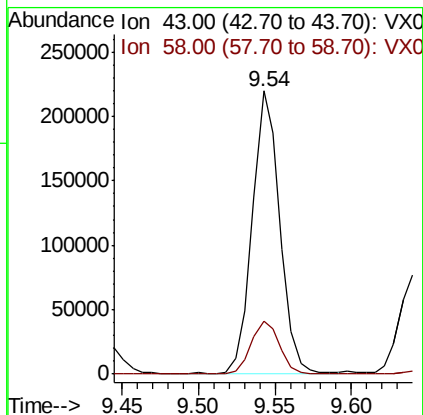
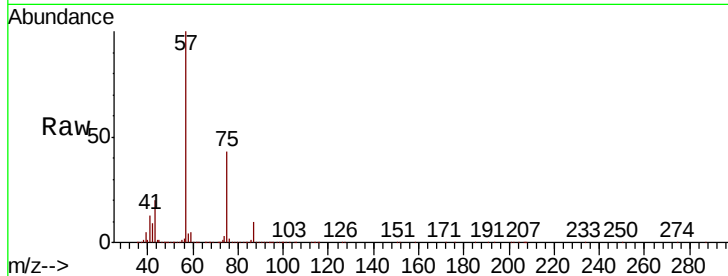




#59
2-Hexanone
Concen: 42.881 ug/l
RT: 9.54 min Scan# 1376
Delta R.T. 0.05 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

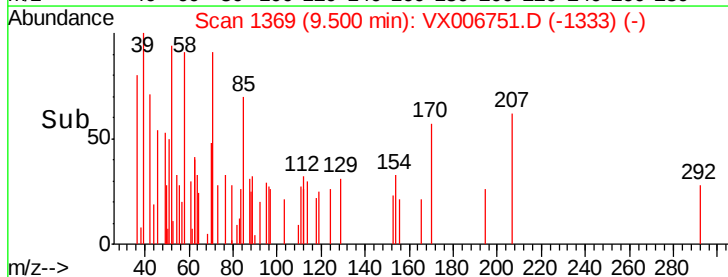
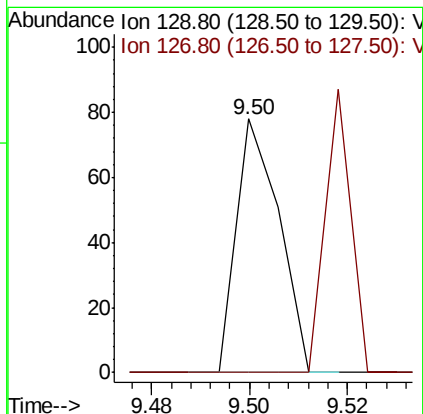
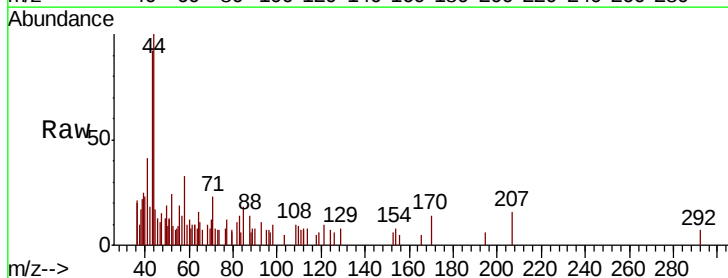
Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

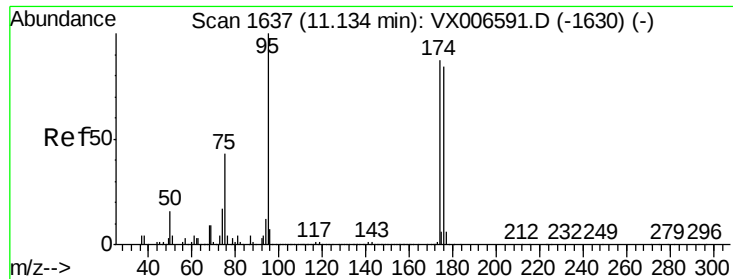
Tot Ion: 43 Resp: 275240
Ion Ratio Lower Upper
43 100
58 19.1 27.7 83.1#



#60
Dibromochloromethane
Concen: 2.331 ug/l
RT: 9.50 min Scan# 1369
Delta R.T. -0.08 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 129 Resp: 47
Ion Ratio Lower Upper
129 100
127 68.1 39.3 117.8

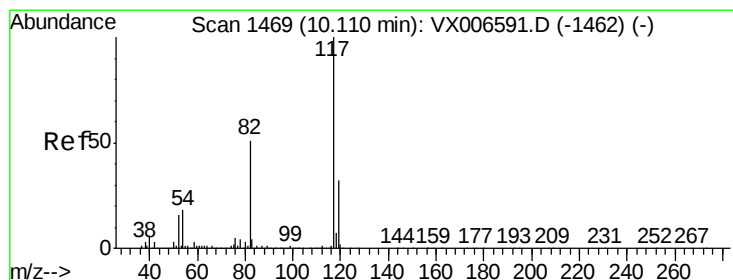
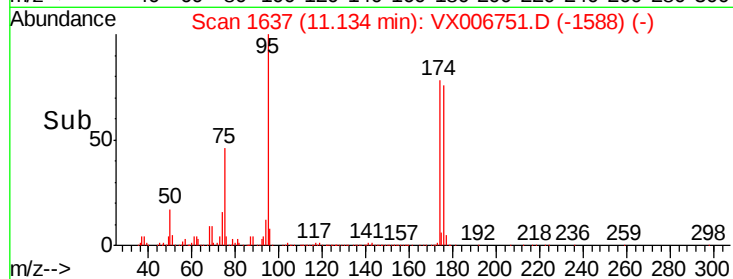
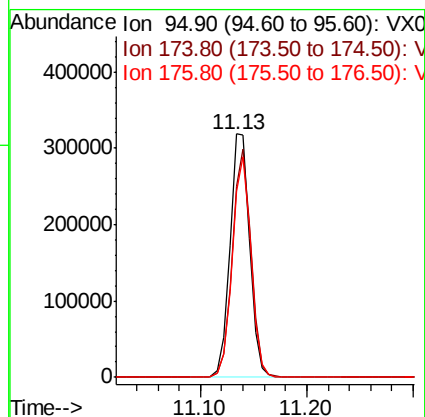
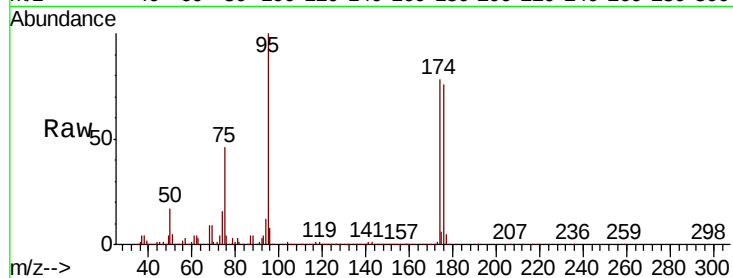




#62
4-Bromofluorobenzene
Concen: 47.299 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

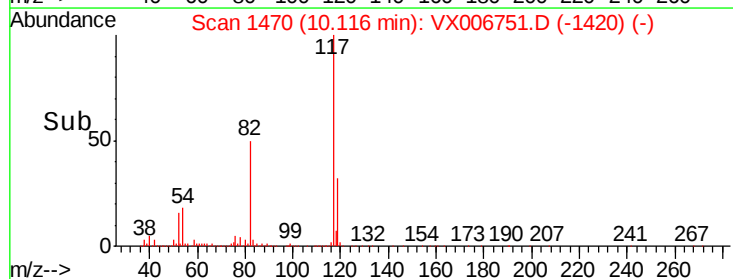
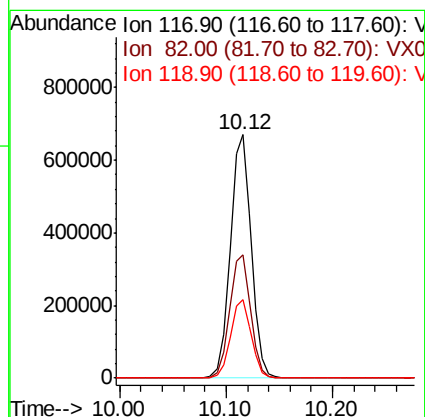
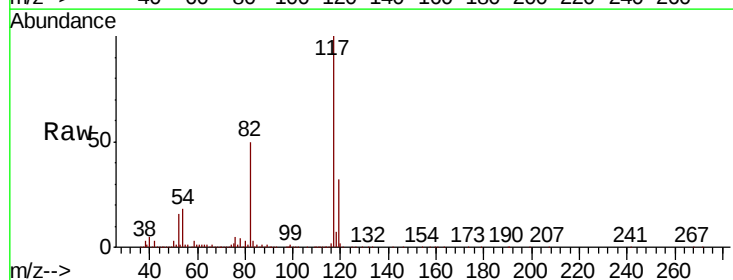
Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

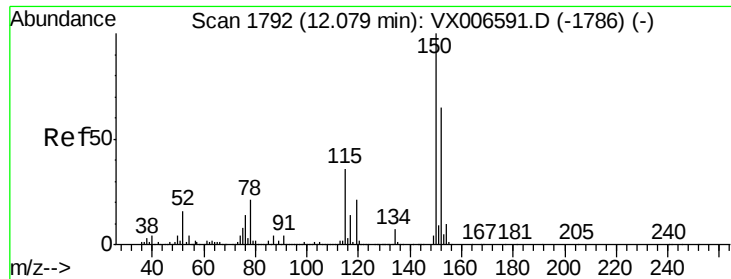
Tot Ion: 95 Resp: 415157
Ion Ratio Lower Upper
95 100
174 88.8 0.0 182.2
176 85.9 0.0 178.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.01 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 117 Resp: 921580
Ion Ratio Lower Upper
117 100
82 50.4 41.0 61.6
119 32.3 25.4 38.0



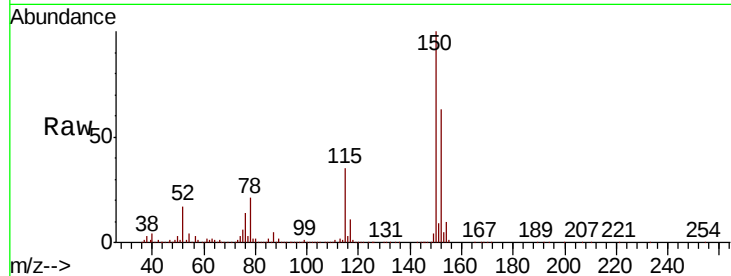


#72

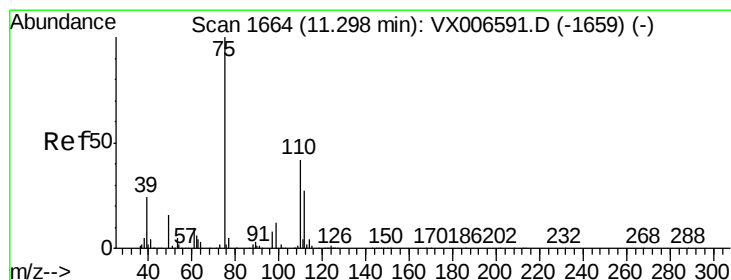
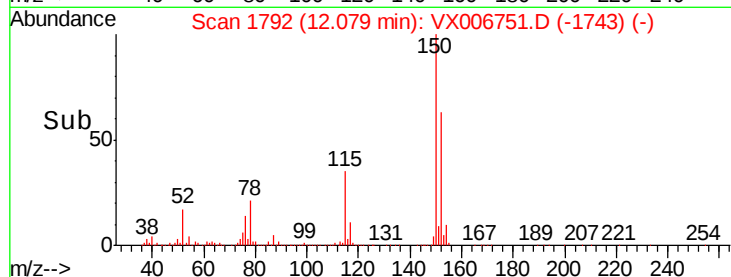
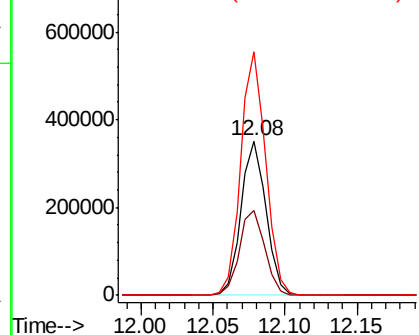
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Instrument :
MSVOA_X
ClientSampleId :
PB115902TB

Tot Ion:152 Resp: 424813
Ion Ratio Lower Upper
152 100
115 56.6 39.1 117.2
150 157.6 0.0 344.8



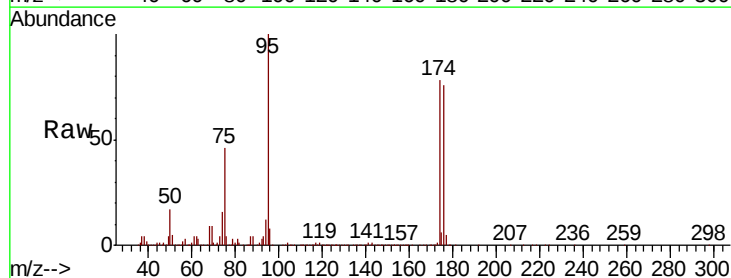
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



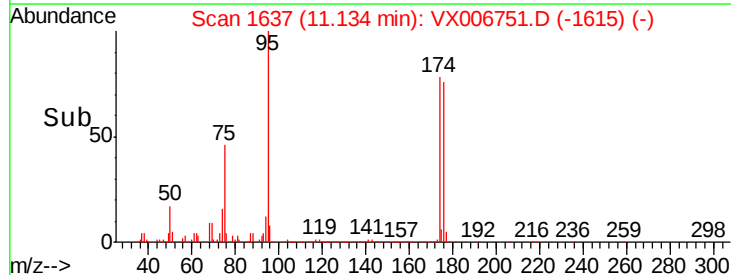
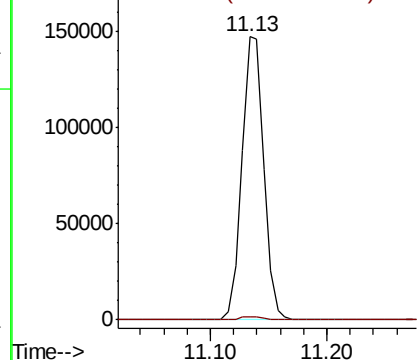
#76

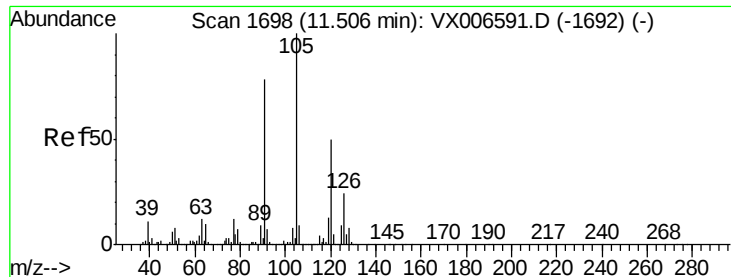
1,2,3-Trichloropropane
Concen: 24.409 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.16 min
Lab File: VX006751.D
Acq: 22 Dec 2018 04:25

Tgt Ion: 75 Resp: 192705
Ion Ratio Lower Upper
75 100
77 1.1 18.5 55.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0
Ion 77.00 (76.70 to 77.70): VX0





#80

1,3,5-Trimethylbenzene

Concen: 0.918 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. -0.00 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

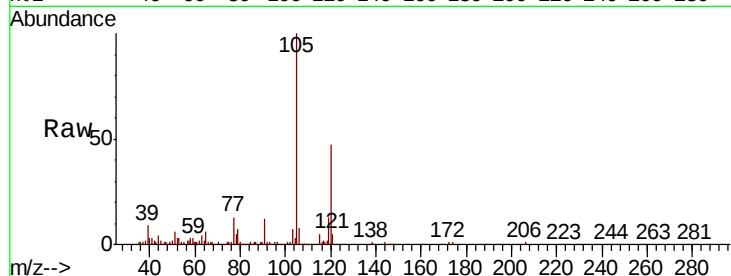
PB115902TB

Tot Ion:105 Resp: 21963

Ion Ratio Lower Upper

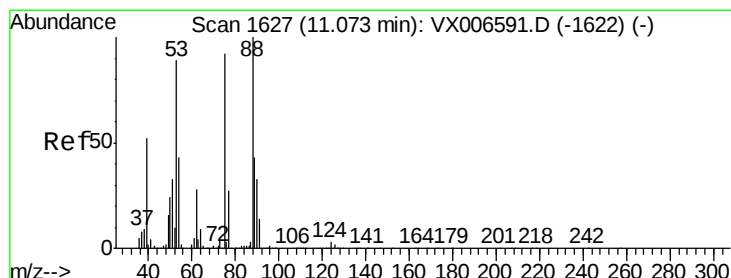
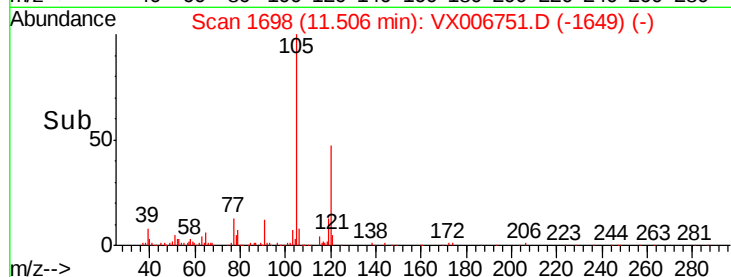
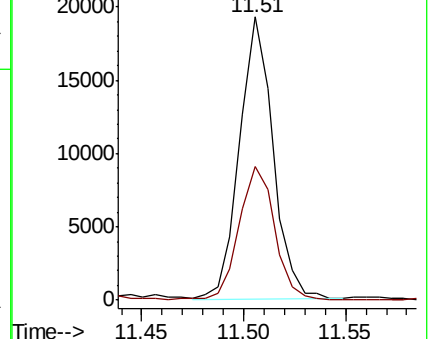
105 100

120 50.3 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 72.228 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.06 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

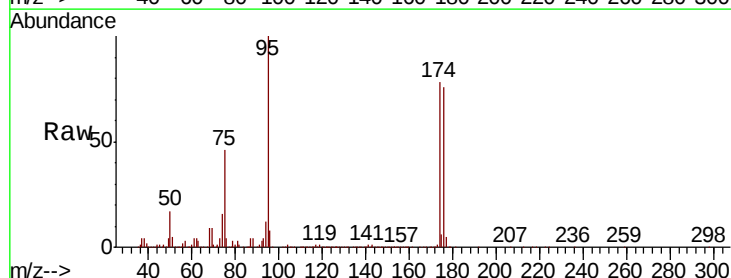
Tgt Ion: 75 Resp: 192705

Ion Ratio Lower Upper

75 100

53 0.1 79.7 119.5#

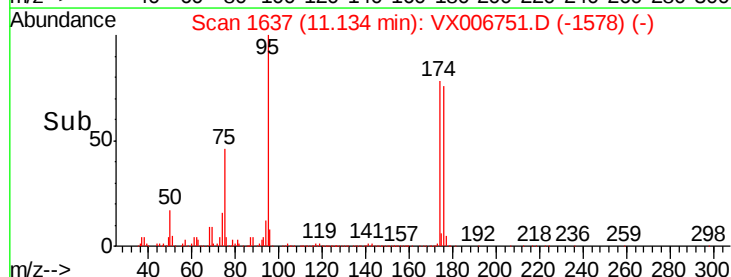
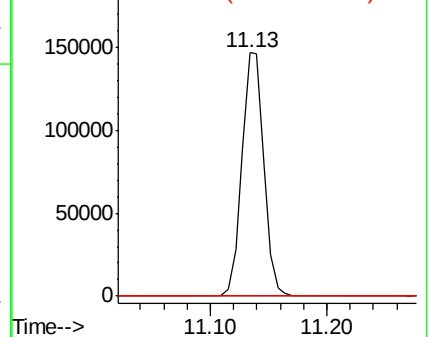
89 0.2 38.0 57.0#

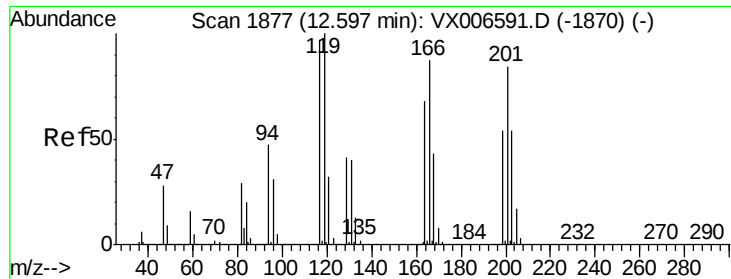


Abundance Ion 74.90 (74.60 to 75.60): VX0

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: 12.59 min Scan# 1876

Delta R.T. -0.01 min

Lab File: VX006751.D

Acq: 22 Dec 2018 04:25

Instrument :

MSVOA_X

ClientSampleId :

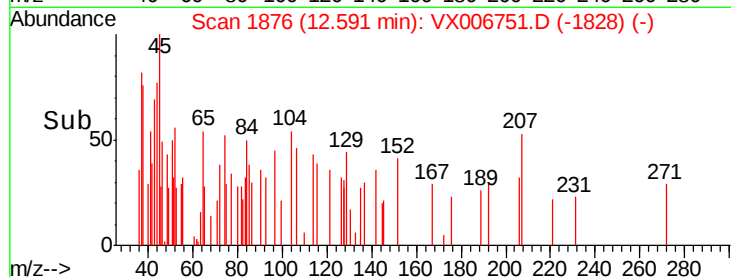
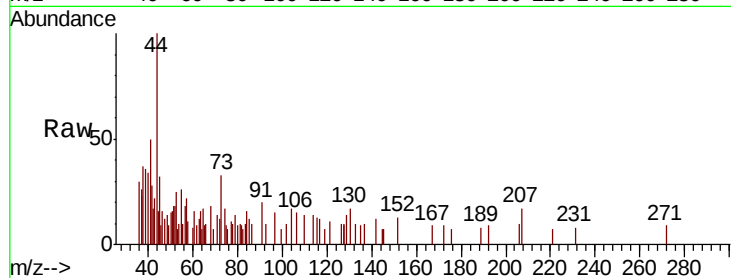
PB115902TB

Tot Ion:117 Resp: 85

Ion Ratio Lower Upper

117 100

201 0.0 42.9 128.7#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

