

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100919\
 Data File : VX012938.D
 Acq On : 09 Oct 2019 13:26
 Operator : JC/SP
 Sample : PB123722TB
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB123722TB

Quant Time: Oct 10 01:36:30 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 09 01:51:23 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	182688	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	311079	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	272950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	106826	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	119313	52.25	ug/l	0.00
Spiked Amount			Recovery	=	104.50%	
35) Dibromofluoromethane	5.49	113	91145	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	
50) Toluene-d8	8.71	98	363562	52.21	ug/l	0.00
Spiked Amount			Recovery	=	104.42%	
62) 4-Bromofluorobenzene	11.14	95	125733	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

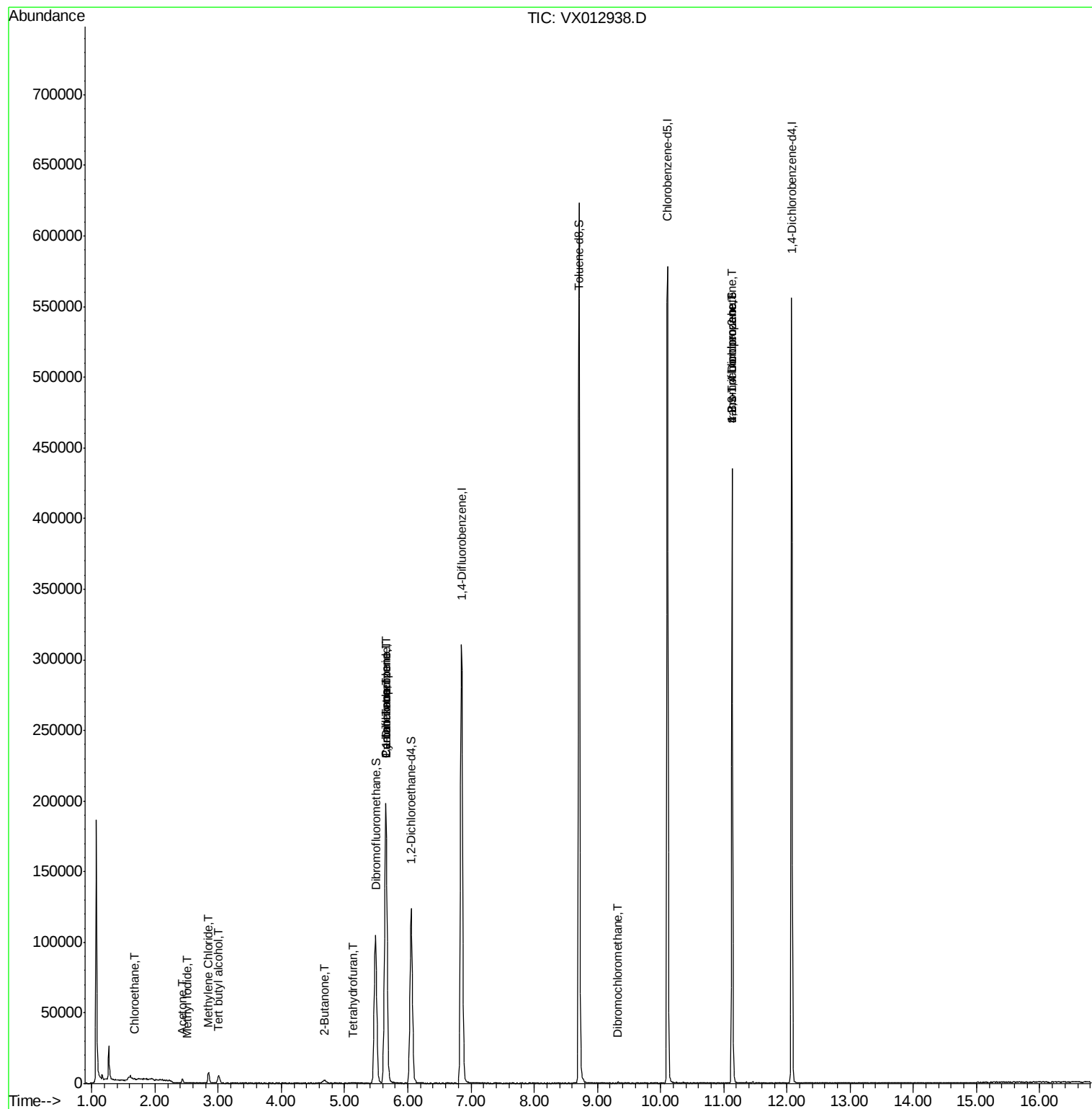
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.67	64	437	0.707	ug/l #	43
10) Methyl Iodide	2.51	142	104	5.127	ug/l #	40
11) Tert butyl alcohol	3.01	59	3493	5.771	ug/l #	72
16) Acetone	2.43	43	2809	2.334	ug/l	97
20) Methylene Chloride	2.85	84	3938	1.780	ug/l	89
25) 2-Butanone	4.67	43	485	0.290	ug/l #	49
29) Tetrahydrofuran	5.14	42	525	0.511	ug/l #	35
31) Cyclohexane	5.65	56	3856	1.164	ug/l #	1
36) 1,1-Dichloropropene	5.65	75	14631	5.349	ug/l #	50
38) Carbon Tetrachloride	5.65	117	19135	7.188	ug/l #	19
60) Dibromochloromethane	9.32	129	42	1.875	ug/l #	10
76) 1,2,3-Trichloropropane	11.13	75	63482	26.793	ug/l #	33
81) trans-1,4-Dichloro-2-buten	11.13	75	63482	67.353	ug/l #	10

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

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Instrument :
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ClientSampleId :
PB123722TB

Quant Time: Oct 10 01:36:30 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X100819W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 09 01:51:23 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.01 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

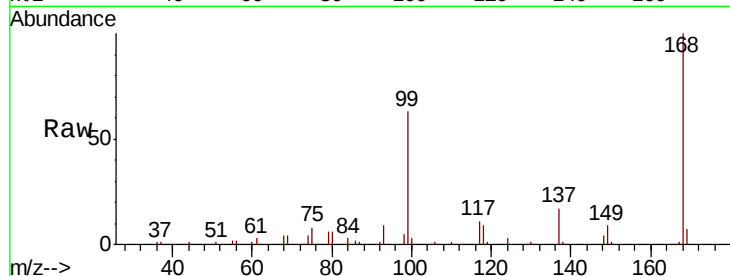
PB123722TB

Tot Ion:168 Resp: 182688

Ion Ratio Lower Upper

168 100

99 63.3 49.4 74.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

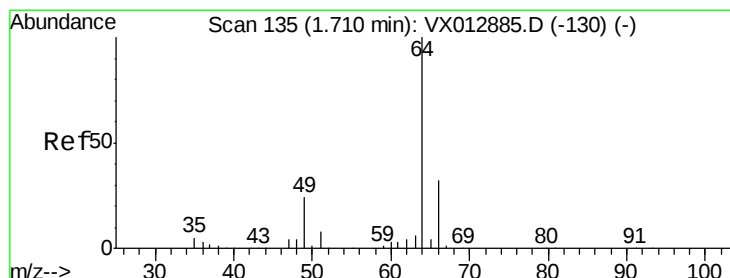
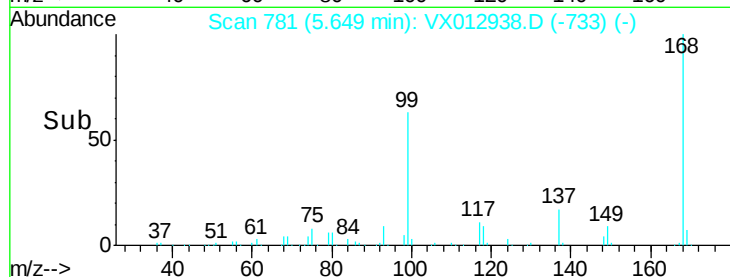
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#6

Chloroethane

Concen: 0.707 ug/l

RT: 1.67 min Scan# 129

Delta R.T. -0.04 min

Lab File: VX012938.D

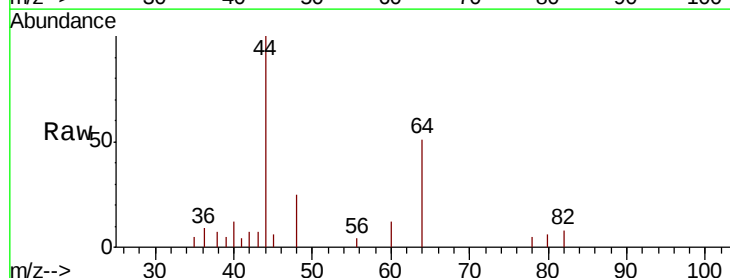
Acq: 09 Oct 2019 13:26

Tgt Ion: 64 Resp: 437

Ion Ratio Lower Upper

64 100

66 0.0 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.67

800

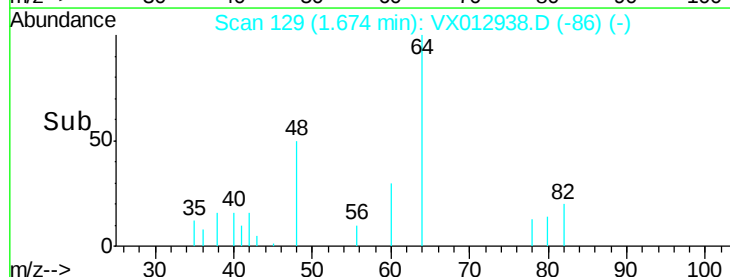
600

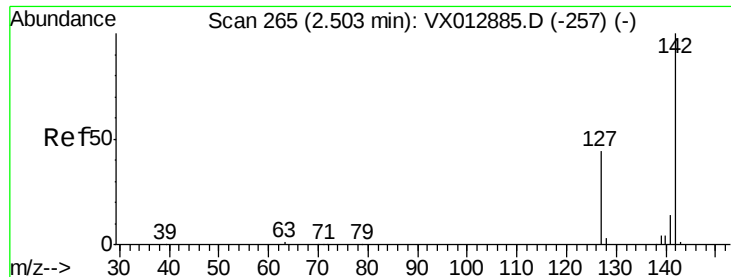
400

200

0

Time--> 1.66 1.68 1.70

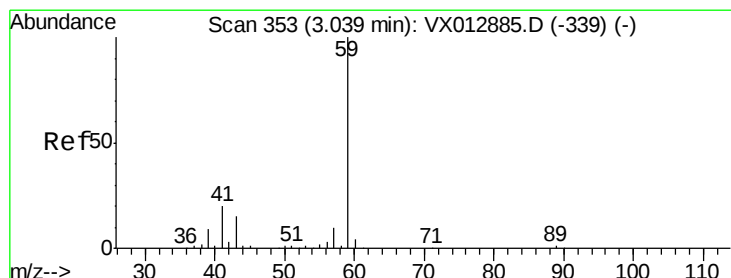
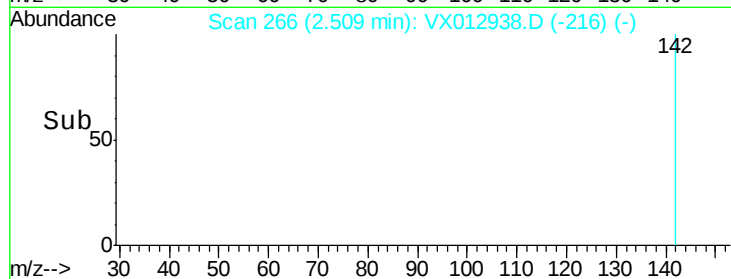
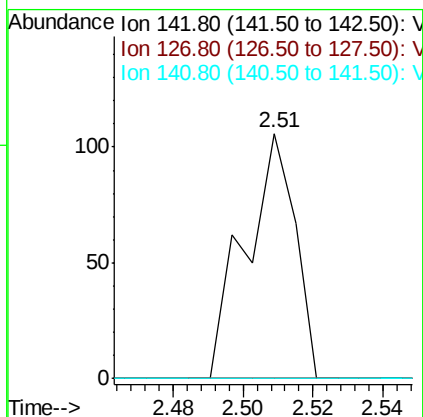
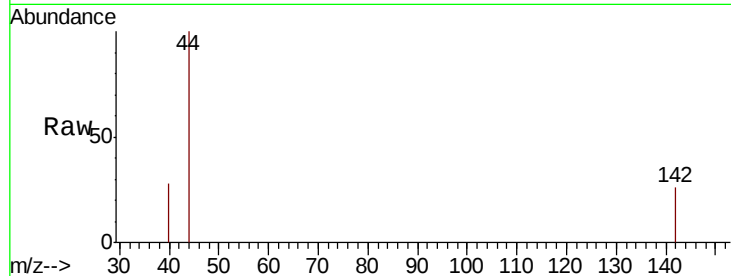




#10
Methvl Iodide
Concen: 5.127 ug/l
RT: 2.51 min Scan# 266
Delta R.T. 0.01 min
Lab File: VX012938.D
Acq: 09 Oct 2019 13:26

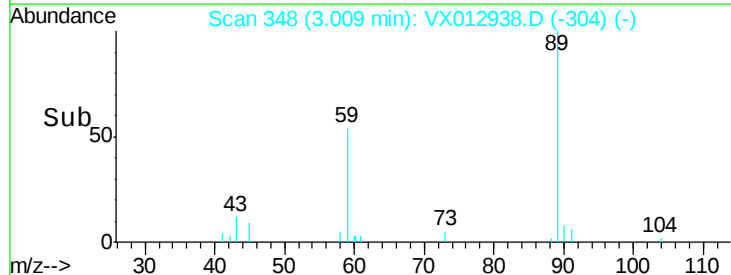
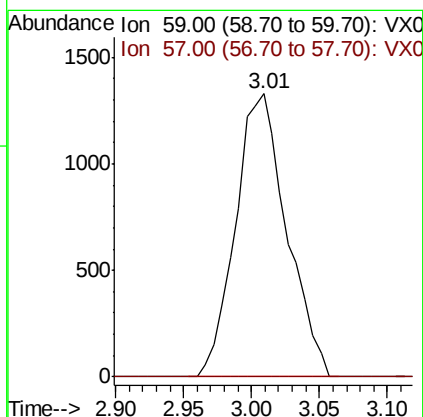
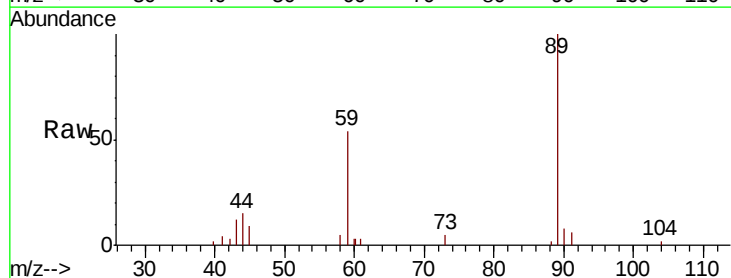
Instrument :
MSVOA_X
ClientSampleId :
PB123722TB

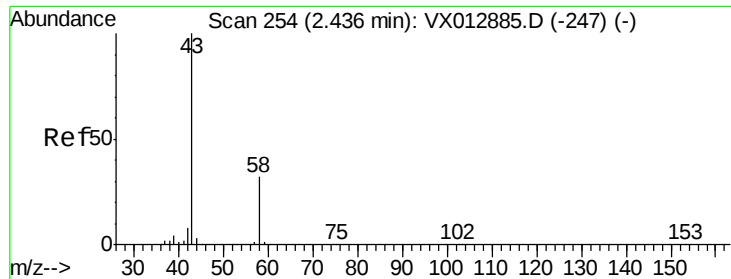
Tot Ion:142 Resp: 104
Ion Ratio Lower Upper
142 100
127 0.0 34.9 52.3#
141 0.0 11.6 17.4#



#11
Tert butyl alcohol
Concen: 5.771 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX012938.D
Acq: 09 Oct 2019 13:26

Tgt Ion: 59 Resp: 3493
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

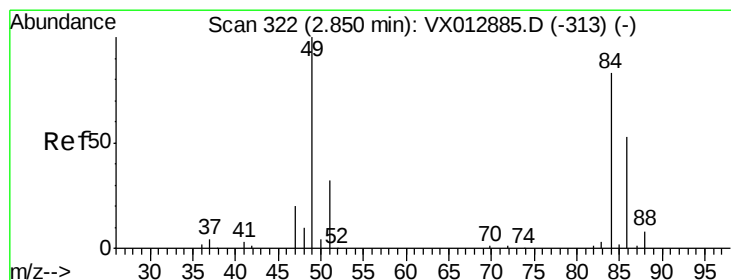
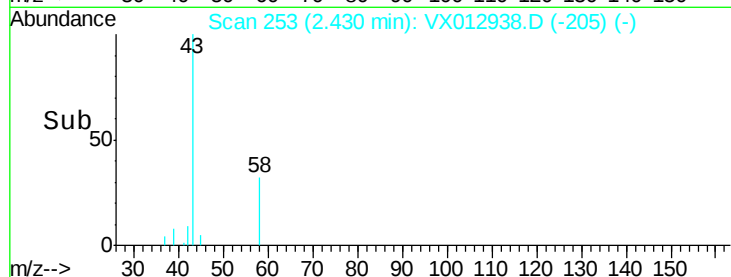
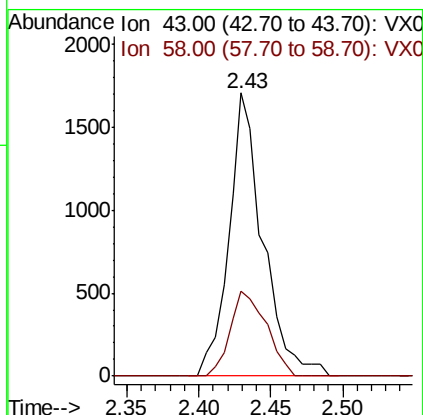
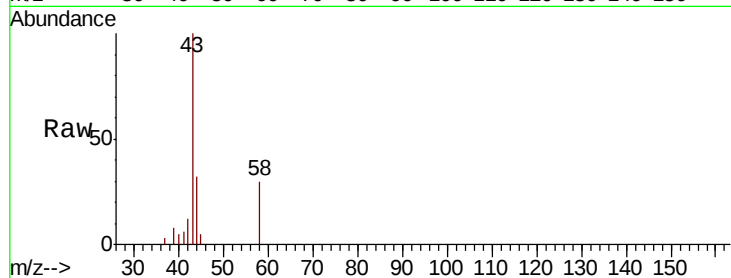




#16
Acetone
Concen: 2.334 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX012938.D
Acq: 09 Oct 2019 13:26

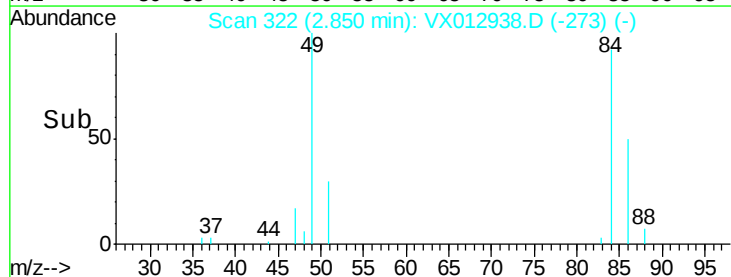
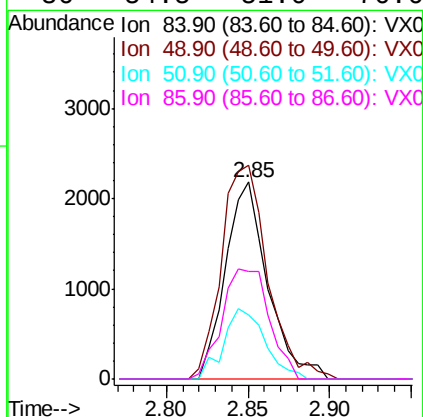
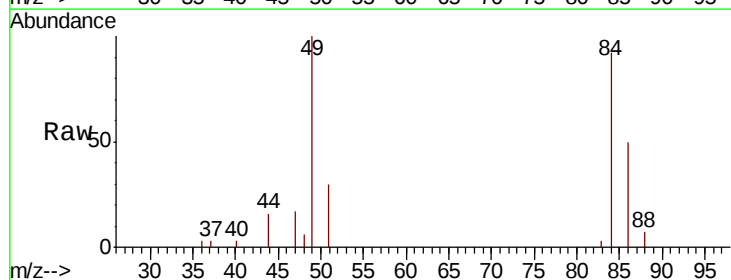
Instrument :
MSVOA_X
ClientSampleId :
PB123722TB

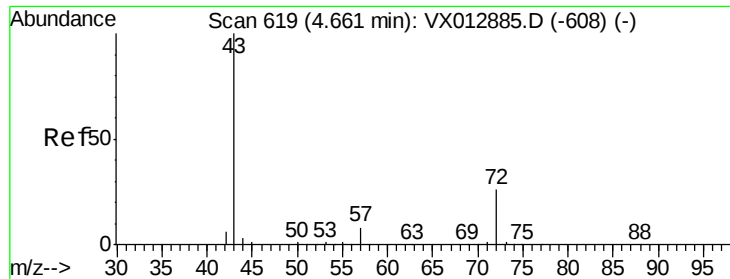
Tot Ion: 43 Resp: 2809
Ion Ratio Lower Upper
43 100
58 29.9 25.4 38.2



#20
Methylene Chloride
Concen: 1.780 ug/l
RT: 2.85 min Scan# 322
Delta R.T. 0.00 min
Lab File: VX012938.D
Acq: 09 Oct 2019 13:26

Tgt Ion: 84 Resp: 3938
Ion Ratio Lower Upper
84 100
49 108.6 96.6 144.8
51 32.8 30.7 46.1
86 54.5 51.0 76.6





#25

2-Butanone

Concen: 0.290 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.01 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampled :

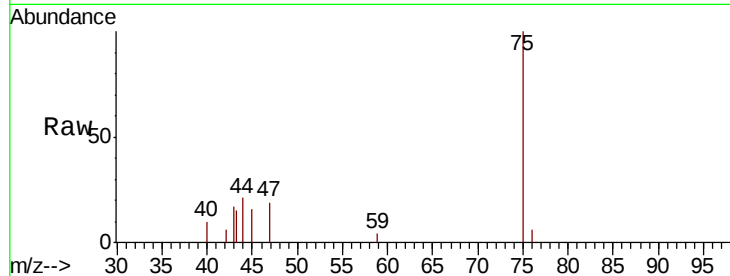
PB123722TB

Tot Ion: 43 Resp: 485

Ion Ratio Lower Upper

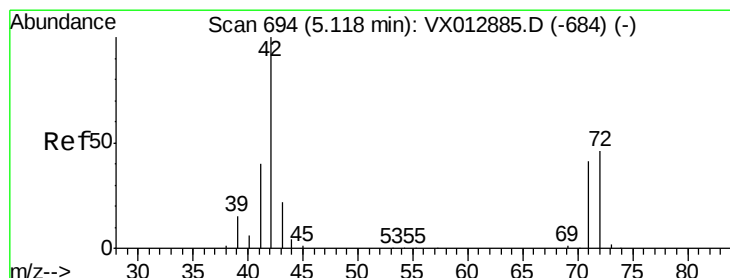
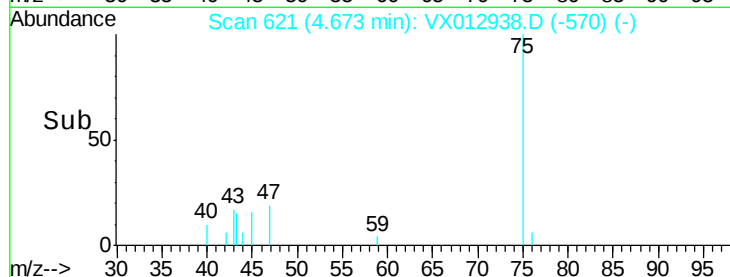
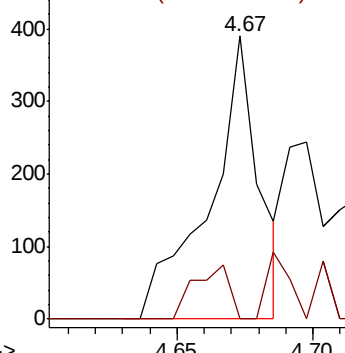
43 100

72 0.0 21.0 31.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 0.511 ug/l

RT: 5.14 min Scan# 697

Delta R.T. 0.02 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

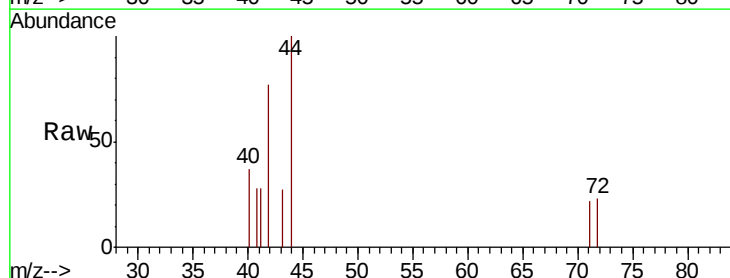
Tgt Ion: 42 Resp: 525

Ion Ratio Lower Upper

42 100

72 0.0 36.9 55.3#

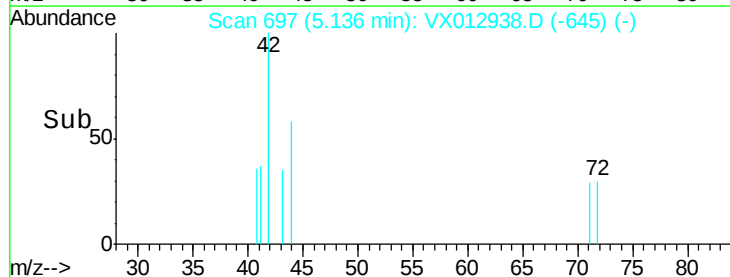
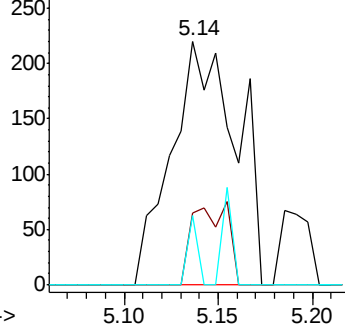
71 4.4 33.5 50.3#

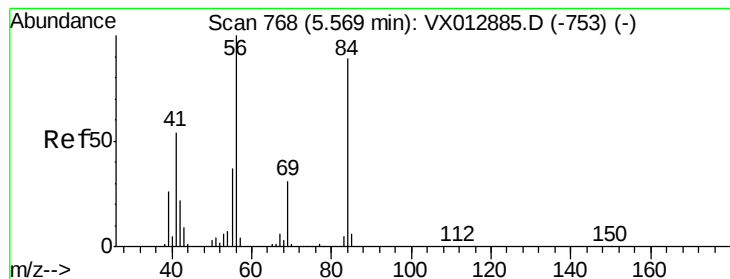


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#31

Cyclohexane

Concen: 1.164 ug/l

RT: 5.65 min Scan# 781

Delta R.T. 0.08 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB123722TB

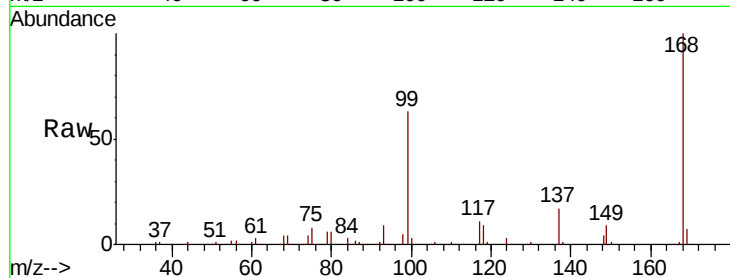
Tot Ion: 56 Resp: 3856

Ion Ratio Lower Upper

56 100

69 191.0 25.2 37.8#

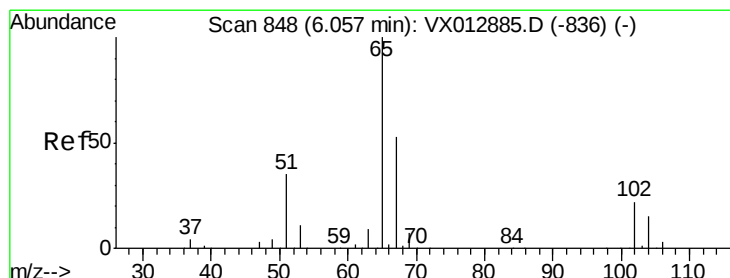
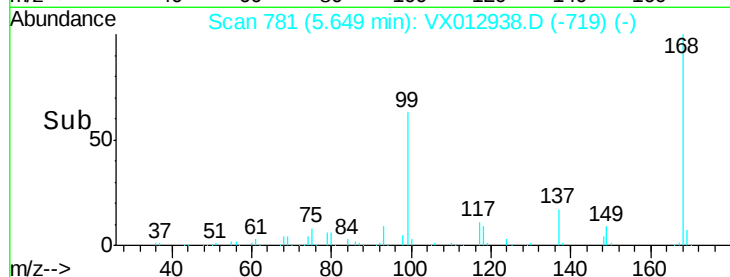
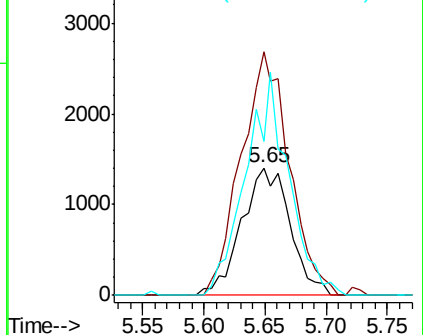
84 120.4 71.3 106.9#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 52.253 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.01 min

Lab File: VX012938.D

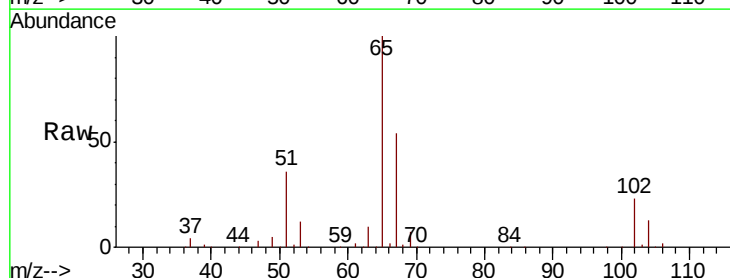
Acq: 09 Oct 2019 13:26

Tgt Ion: 65 Resp: 119313

Ion Ratio Lower Upper

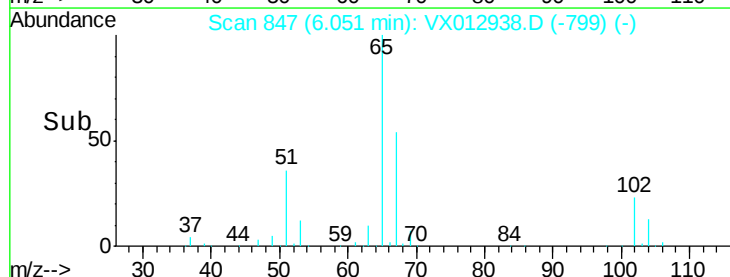
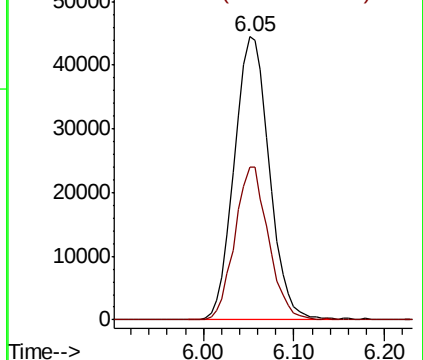
65 100

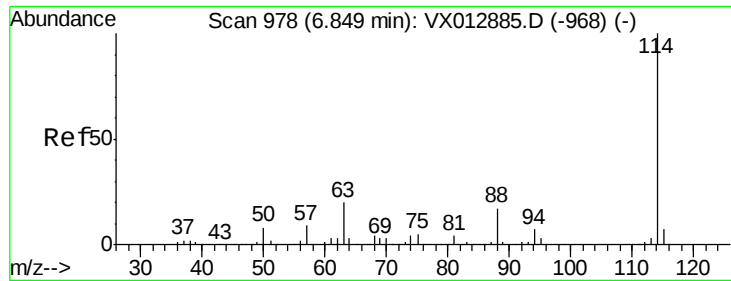
67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

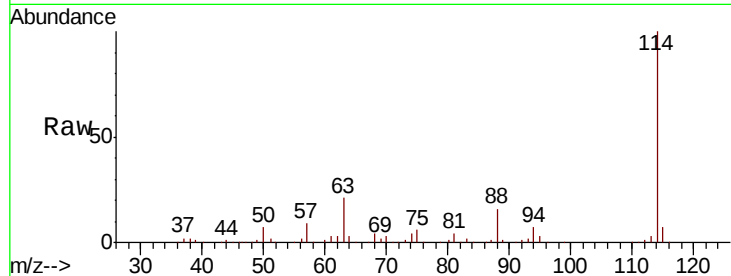




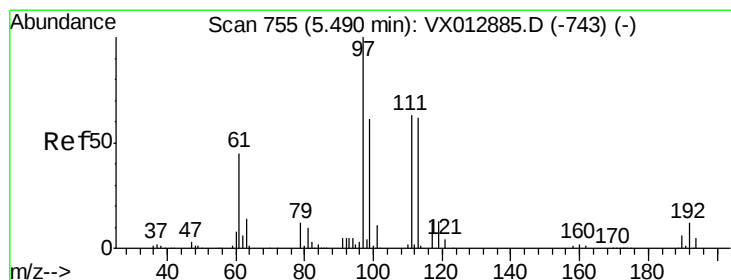
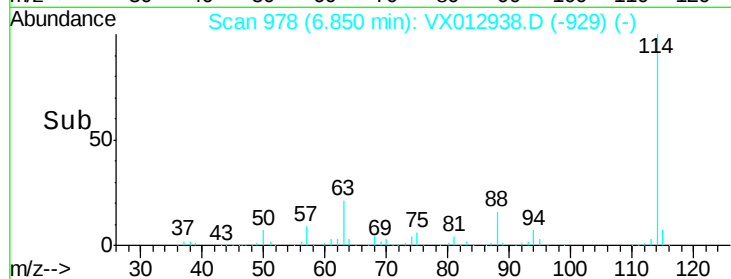
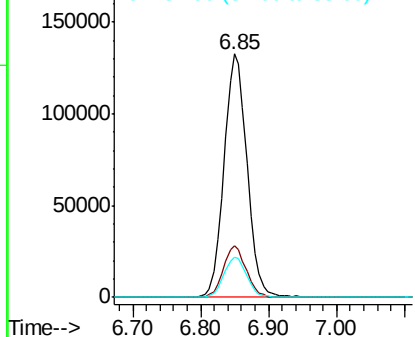
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. 0.00 min
 Lab File: VX012938.D
 Acq: 09 Oct 2019 13:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB123722TB

Tot Ion:114 Resp: 311079
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 40.8
 88 16.4 0.0 33.8

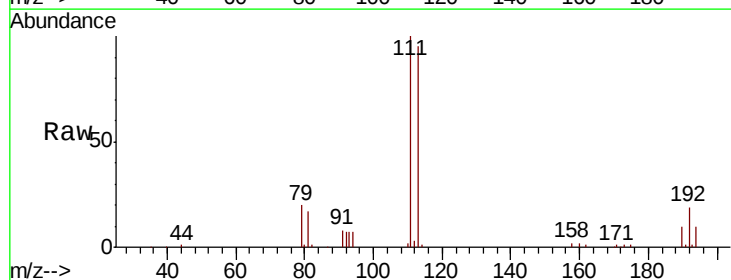


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VX0
 Ion 87.90 (87.60 to 88.60): VX0

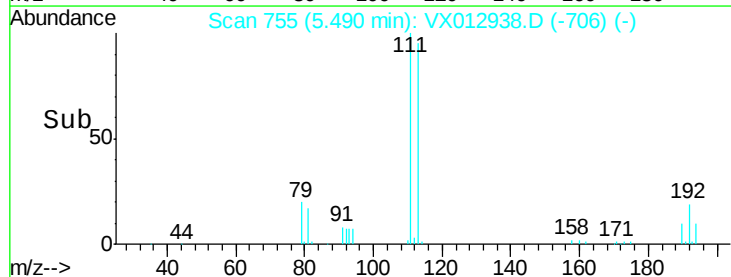
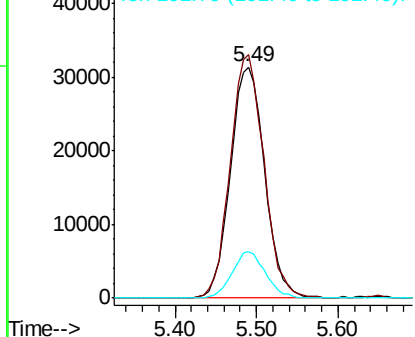


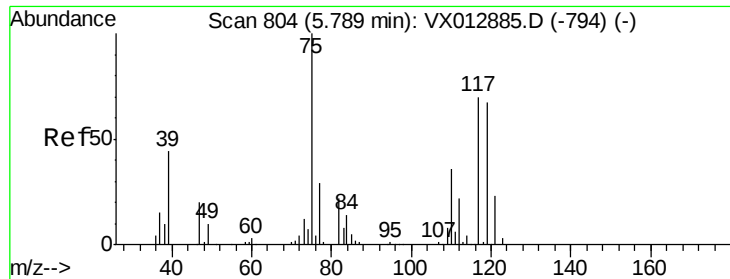
#35
 Dibromofluoromethane
 Concen: 51.049 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX012938.D
 Acq: 09 Oct 2019 13:26

Tgt Ion:113 Resp: 91145
 Ion Ratio Lower Upper
 113 100
 111 103.3 83.2 124.8
 192 19.3 15.4 23.2



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: 5.349 ug/l

RT: 5.65 min Scan# 782

Delta R.T. -0.13 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB123722TB

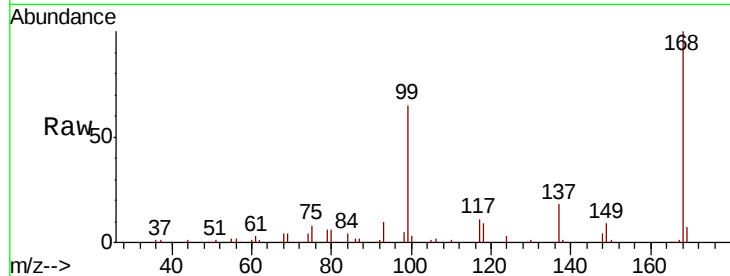
Tot Ion: 75 Resp: 14631

Ion Ratio Lower Upper

75 100

110 8.7 17.6 52.9#

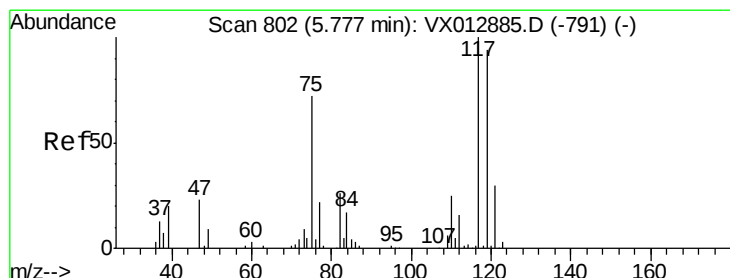
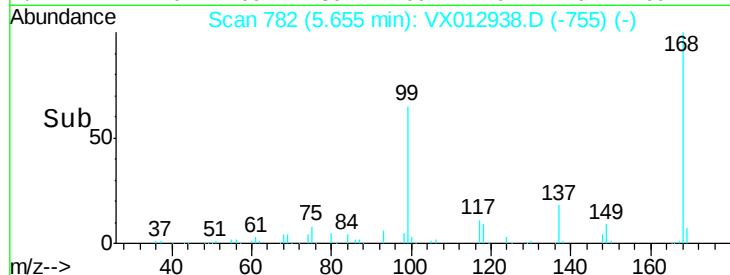
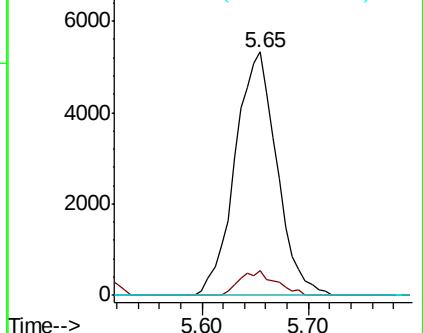
77 0.0 24.4 36.6#



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: 7.188 ug/l

RT: 5.65 min Scan# 781

Delta R.T. -0.13 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

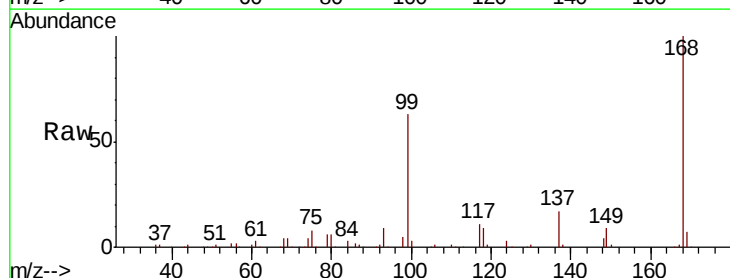
Tgt Ion: 117 Resp: 19135

Ion Ratio Lower Upper

117 100

119 7.4 74.5 111.7#

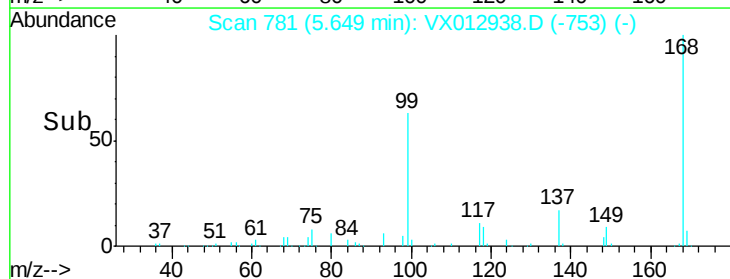
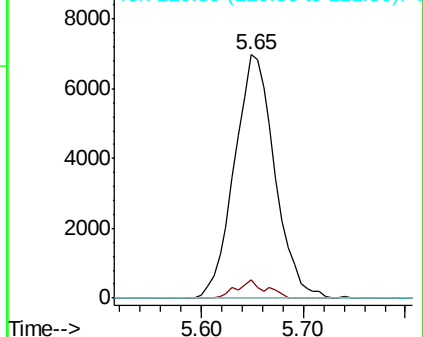
121 0.0 24.2 36.4#

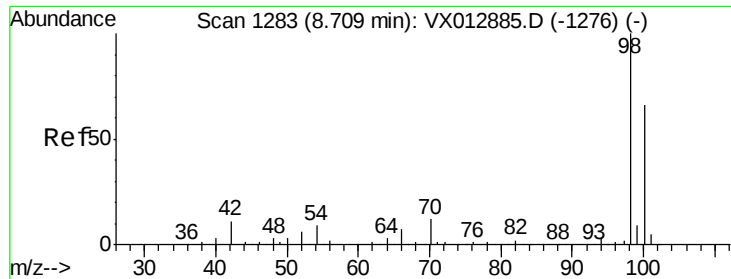


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 52.209 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampled :

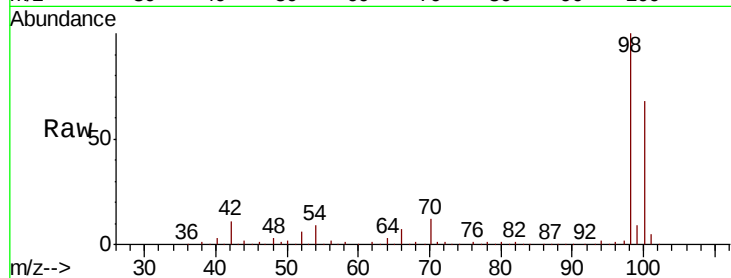
PB123722TB

Tot Ion: 98 Resp: 363562

Ion Ratio Lower Upper

98 100

100 66.8 53.4 80.2



Abundance Ion 98.00 (97.70 to 98.70): VX012885.D (-1276) (-)

Ion 100.00 (99.70 to 100.70): VX012938.D (-1234) (-)

8.71

250000

200000

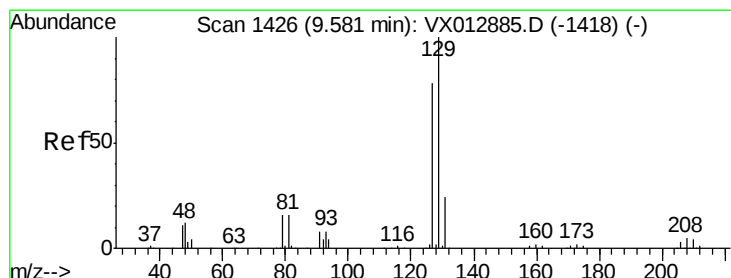
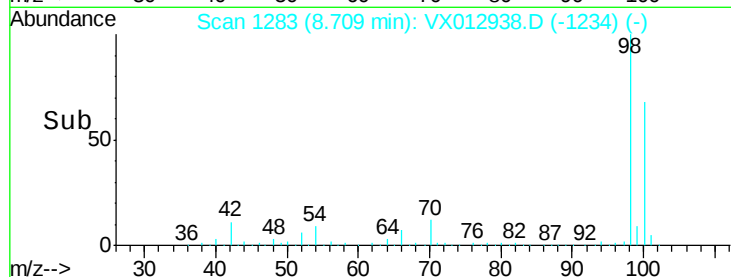
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#60

Dibromochloromethane

Concen: 1.875 ug/l

RT: 9.32 min Scan# 1384

Delta R.T. -0.26 min

Lab File: VX012938.D

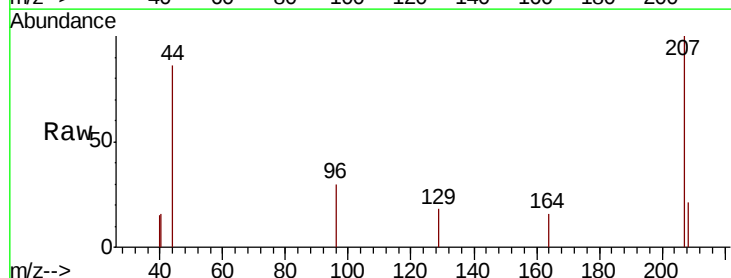
Acq: 09 Oct 2019 13:26

Tgt Ion: 129 Resp: 42

Ion Ratio Lower Upper

129 100

127 0.0 38.9 116.7#



Abundance Ion 128.80 (128.50 to 129.50): VX012885.D (-1418) (-)

Ion 126.80 (126.50 to 127.50): VX012938.D (-1377) (-)

9.32

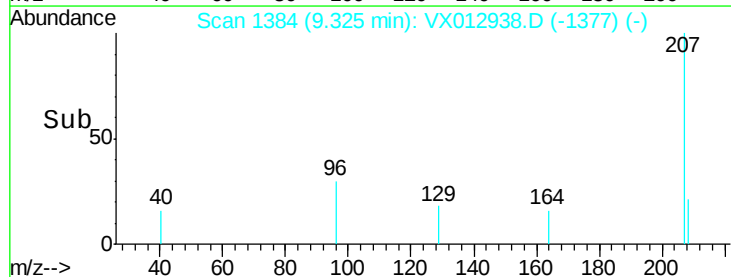
60

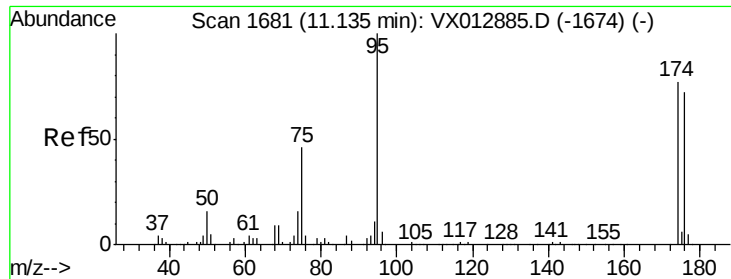
40

20

0

Time--> 9.30 9.32 9.34





#62

4-Bromofluorobenzene

Concen: 46.469 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB123722TB

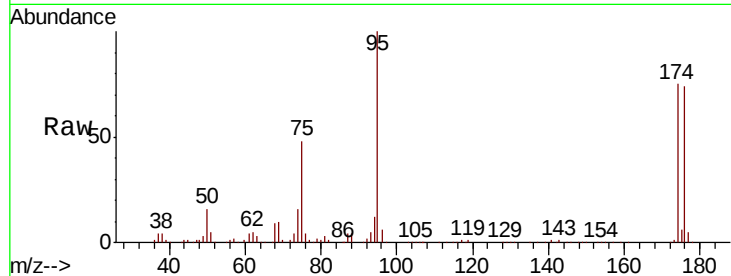
Tot Ion: 95 Resp: 125733

Ion Ratio Lower Upper

95 100

174 70.9 0.0 143.4

176 69.5 0.0 136.0



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

120000

100000

80000

60000

40000

20000

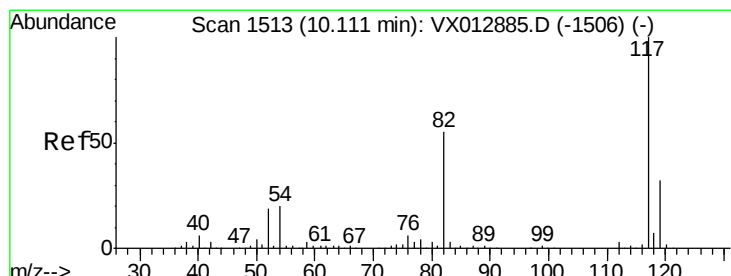
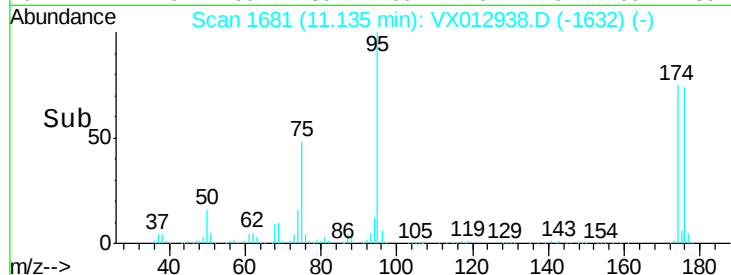
0

11.14

11.10

11.20

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

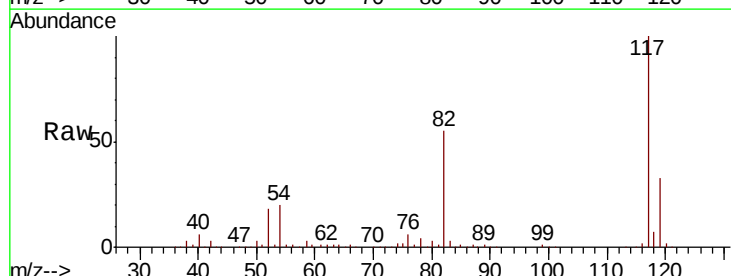
Tgt Ion: 117 Resp: 272950

Ion Ratio Lower Upper

117 100

82 55.4 44.1 66.1

119 33.1 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V

250000

200000

150000

100000

50000

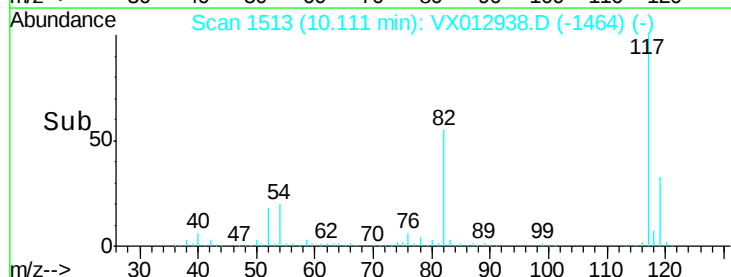
0

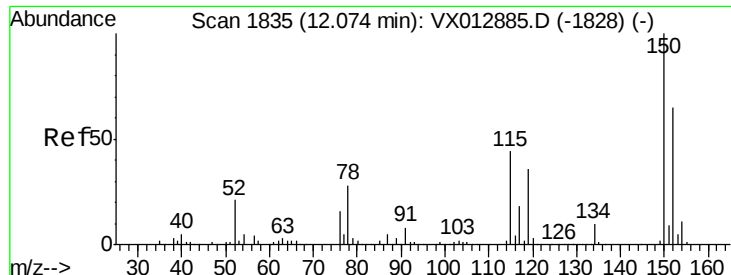
10.11

10.00

10.20

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB123722TB

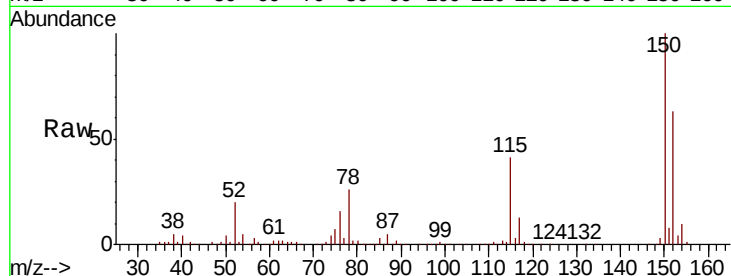
Tot Ion:152 Resp: 106826

Ion Ratio Lower Upper

152 100

115 63.7 44.5 133.5

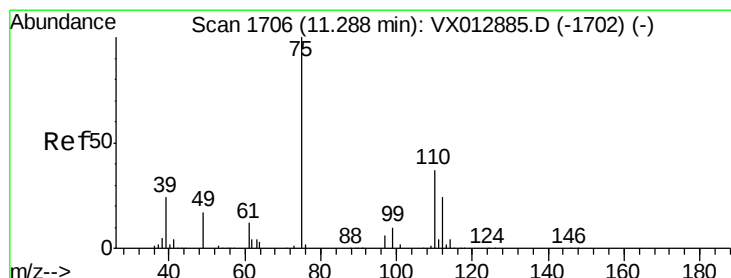
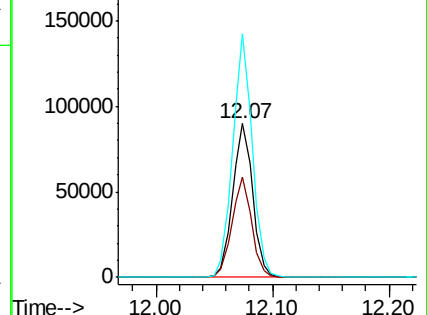
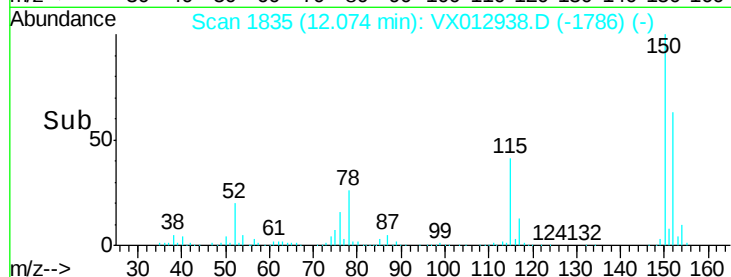
150 155.1 0.0 353.4



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: 26.793 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.16 min

Lab File: VX012938.D

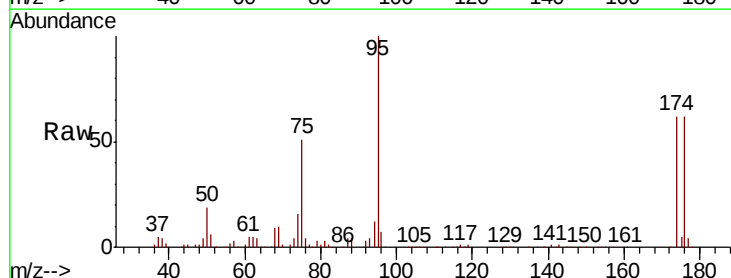
Acq: 09 Oct 2019 13:26

Tgt Ion: 75 Resp: 63482

Ion Ratio Lower Upper

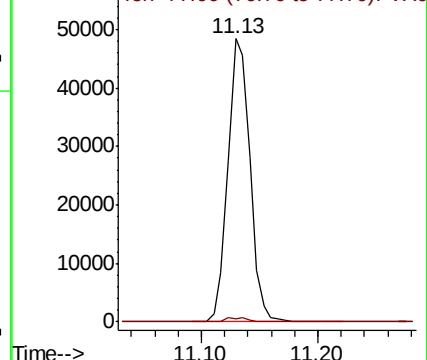
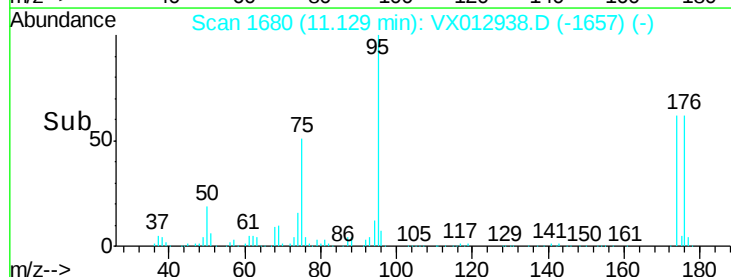
75 100

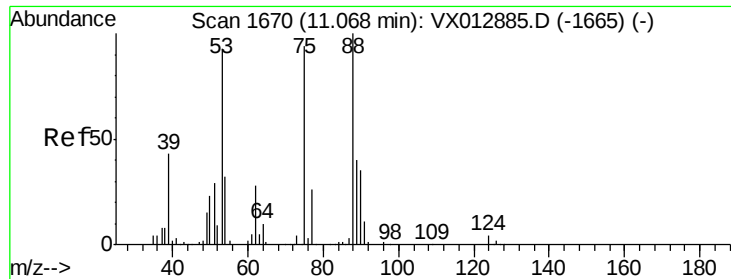
77 1.6 22.9 68.8#



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: 67.353 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. 0.06 min

Lab File: VX012938.D

Acq: 09 Oct 2019 13:26

Instrument :

MSVOA_X

ClientSampleId :

PB123722TB

Tot Ion: 75 Resp: 63482

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.0 37.4 56.2#

