

Data File : VX002002.D

Acq On : 26 May 2018 03:15

Operator : JC/MD

Sample : PB109661ZHE#10

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 39 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#10

Quant Time: May 26 04:26:51 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	274705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	433162	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	386700	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	204544	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	271713	55.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.66%	
35) Dibromofluoromethane	5.51	113	208248	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
50) Toluene-d8	8.72	98	720917	45.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.94%	
62) 4-Bromofluorobenzene	11.14	95	263178	42.89	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.78%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.19	85	171	Below Cal	#	41
5) Bromomethane	1.66	94	860	Below Cal	#	63
16) Acetone	2.45	43	15349	8.10	ug/l	95
18) Methyl Acetate	2.78	43	31285	5.85	ug/l	98
20) Methylene Chloride	2.86	84	4159	Below Cal		97
21) trans-1,2-Dichloroethene	3.15	96	106	Below Cal	#	47
25) 2-Butanone	4.71	43	2932	0.84	ug/l	99
28) Bromochloromethane	5.01	49	83	Below Cal	#	14
29) Tetrahydrofuran	5.19	42	1567	0.69	ug/l	# 66
36) 1,1-Dichloropropene	5.67	75	19478	3.23	ug/l	# 52
38) Carbon Tetrachloride	5.67	117	24937	3.55	ug/l	# 14
41) Methacrylonitrile	5.06	41	89	Below Cal	#	1
74) N-amyl acetate	6.47	43	98	Below Cal	#	93
75) 1,1,2,2-Tetrachloroethane	11.27	83	217	Below Cal	#	25
76) 1,2,3-Trichloropropane	11.14	75	137810	28.05	ug/l	# 33
79) 2-Chlorotoluene	11.46	91	149	Below Cal		83
81) trans-1,4-Dichloro-2-buten	11.14	75	137810	67.42	ug/l	# 10

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

Data File : VX002002.D

Acq On : 26 May 2018 03:15

Operator : JC/MD

Sample : PB109661ZHE#10

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 39 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

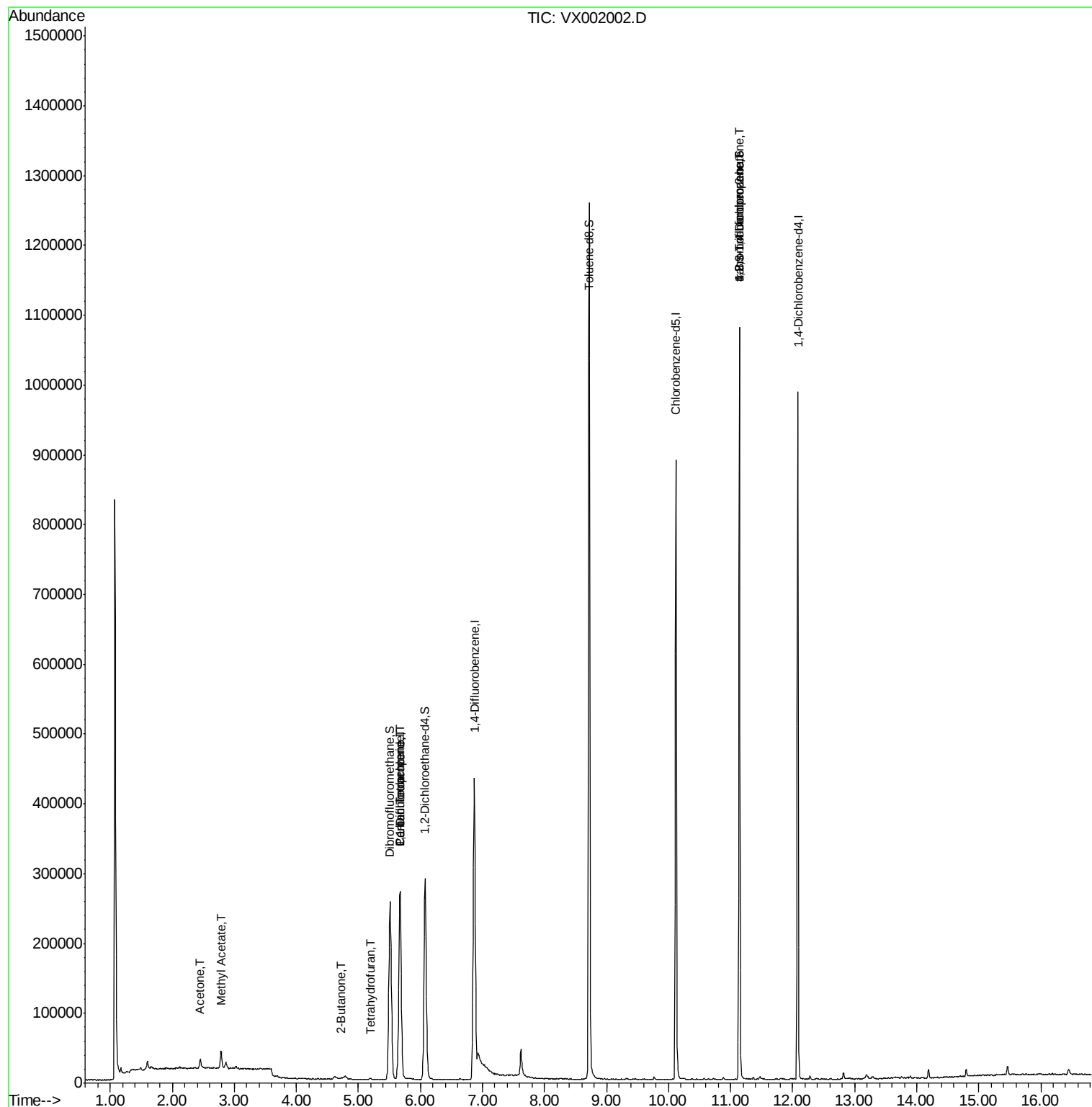
Quant Time: May 26 04:26:51 2018

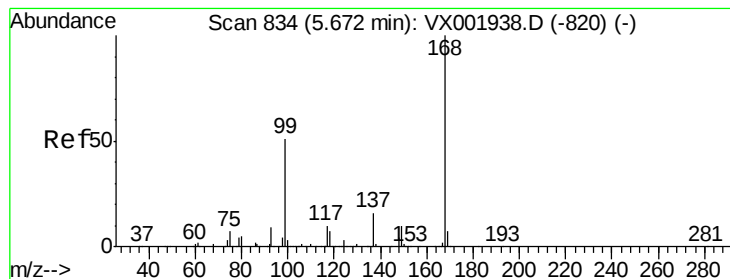
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X052418W.M

Quant Title : SW846 8260

QLast Update : Thu May 24 13:09:03 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

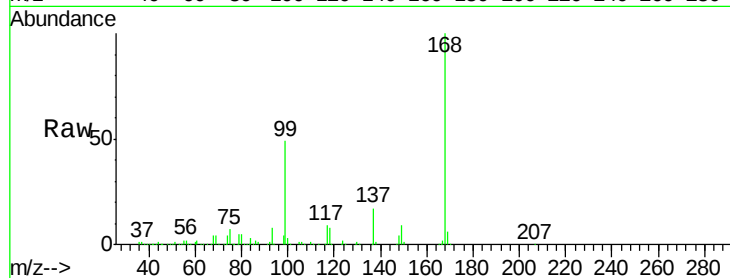
PB109661ZHE#10

Tgt Ion:168 Resp: 274705

Ion Ratio Lower Upper

168 100

99 49.2 41.0 61.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

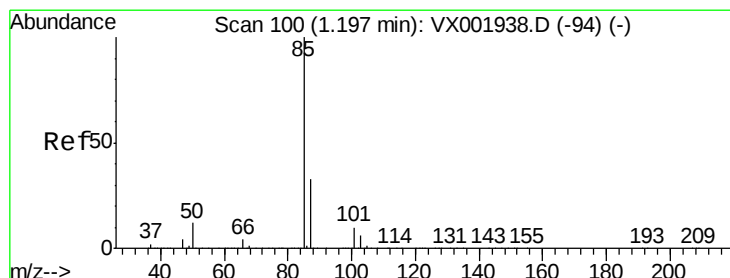
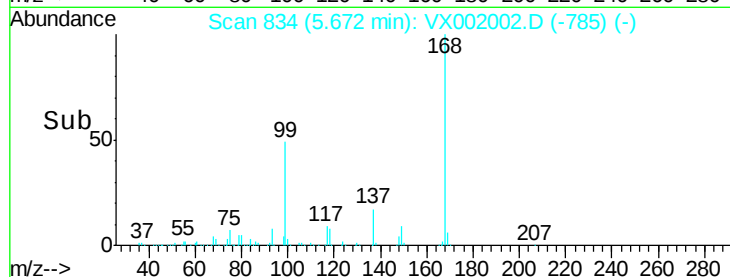
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 99

Delta R.T. -0.01 min

Lab File: VX002002.D

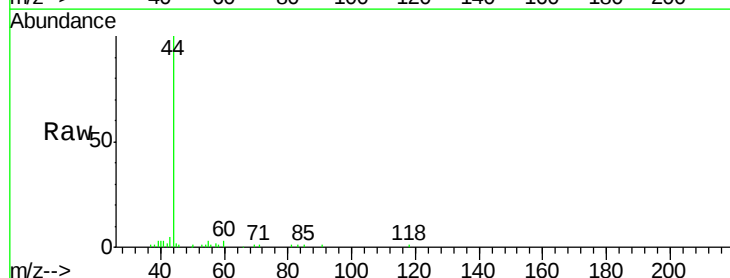
Acq: 26 May 2018 03:15

Tgt Ion: 85 Resp: 171

Ion Ratio Lower Upper

85 100

87 0.0 16.7 50.0#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

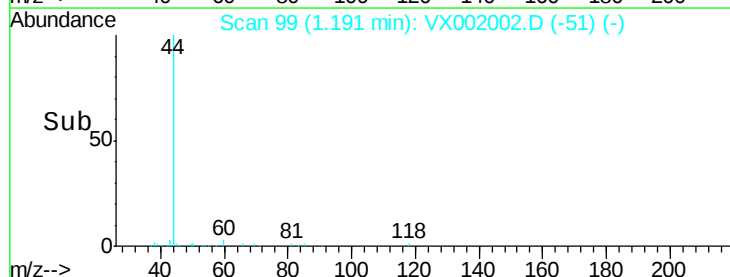
150

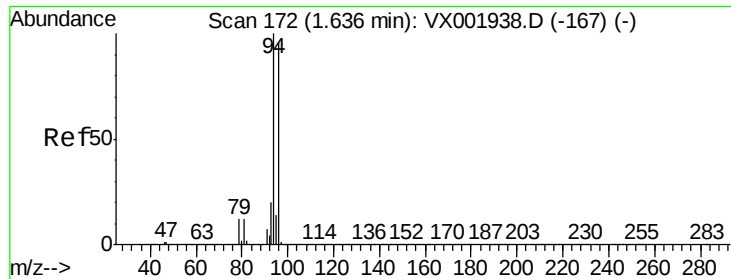
100

50

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

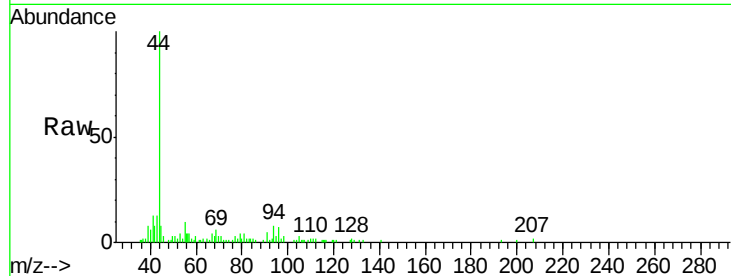
PB109661ZHE#10

Tgt Ion: 94 Resp: 860

Ion Ratio Lower Upper

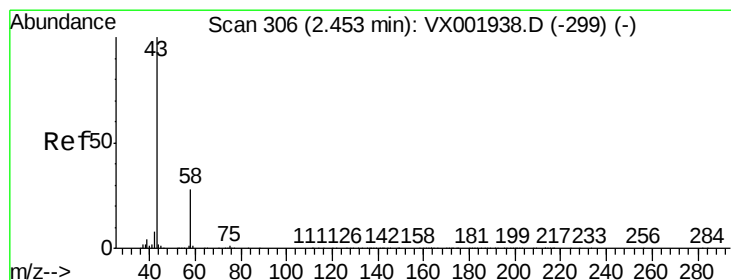
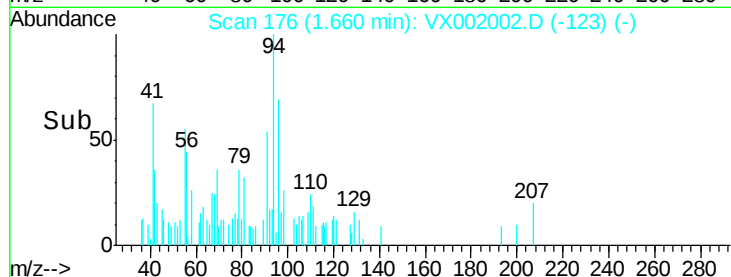
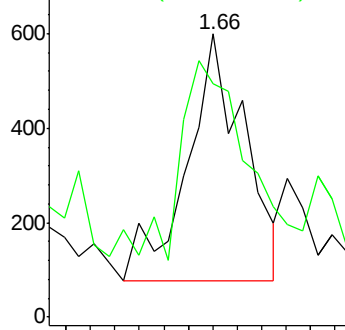
94 100

96 59.3 75.9 113.9#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#16

Acetone

Concen: 8.10 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX002002.D

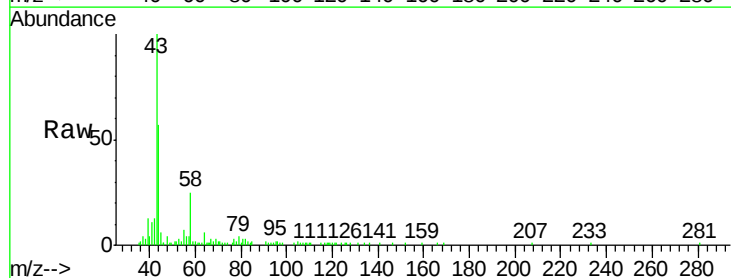
Acq: 26 May 2018 03:15

Tgt Ion: 43 Resp: 15349

Ion Ratio Lower Upper

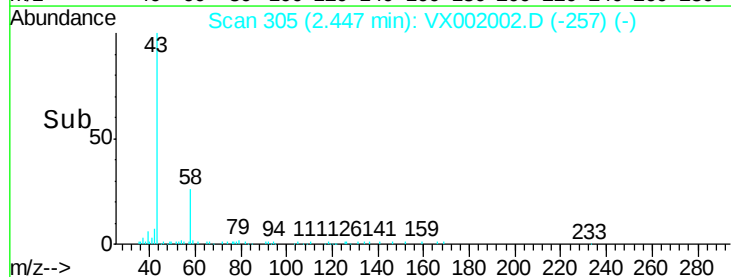
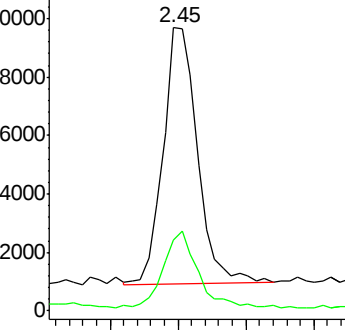
43 100

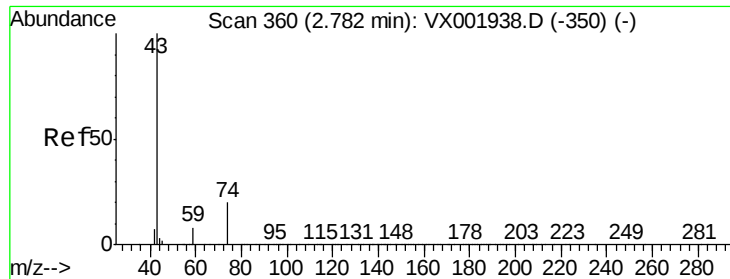
58 25.5 22.3 33.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

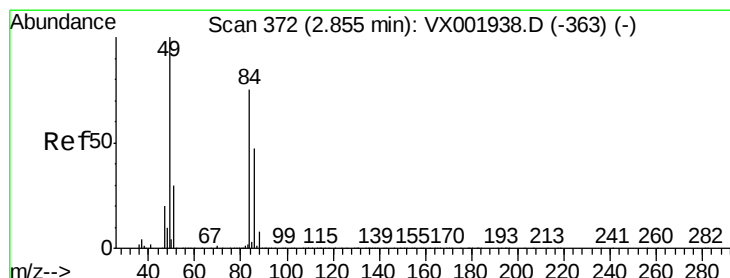
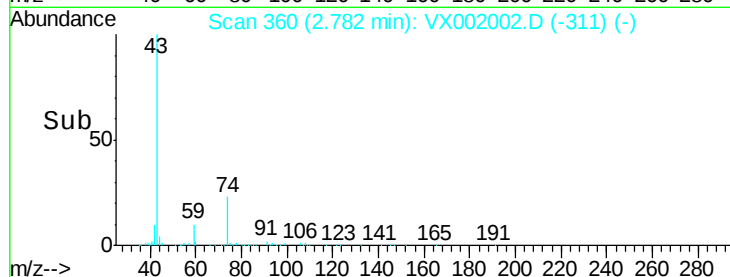
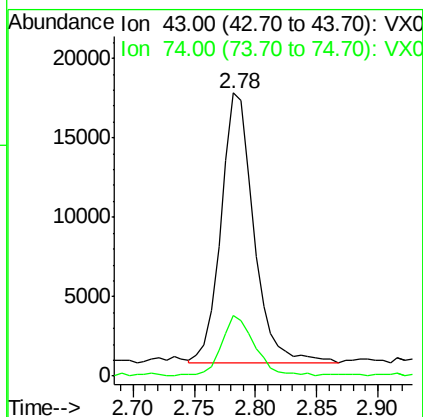
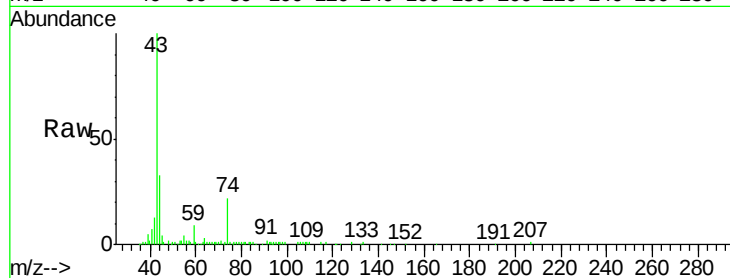




#18
Methyl Acetate
Concen: 5.85 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX002002.D
Acq: 26 May 2018 03:15

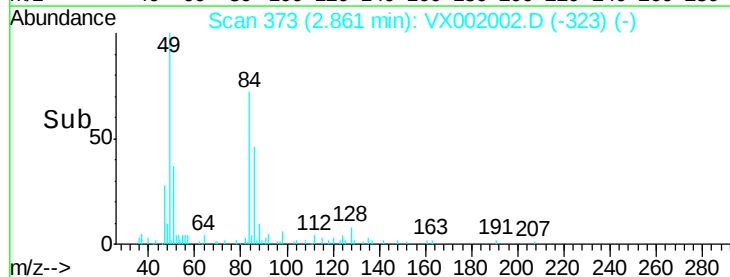
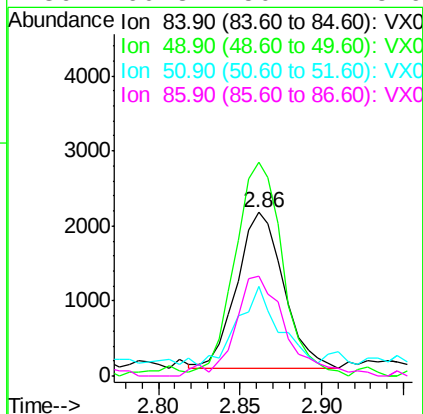
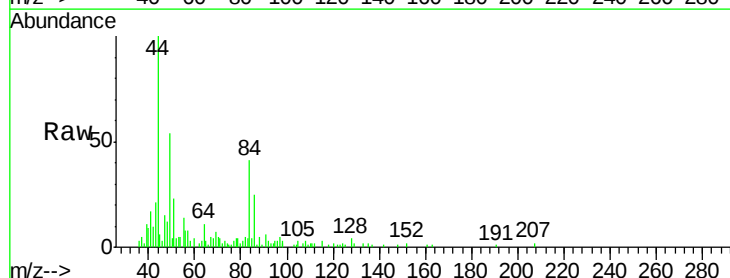
Instrument :
MSVOA_X
ClientSampleId :
PB109661ZHE#10

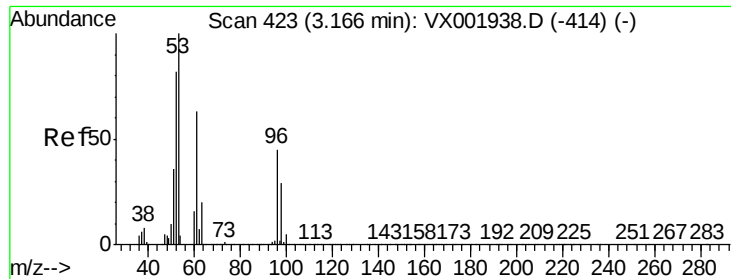
Tgt Ion: 43 Resp: 31285
Ion Ratio Lower Upper
43 100
74 21.8 16.8 25.2



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. 0.01 min
Lab File: VX002002.D
Acq: 26 May 2018 03:15

Tgt Ion: 84 Resp: 4159
Ion Ratio Lower Upper
84 100
49 134.5 107.2 160.8
51 45.9 32.4 48.6
86 60.3 50.4 75.6





#21

trans-1,2-Dichloroethene

Concen: Below Cal

RT: 3.15 min Scan# 421

Delta R.T. -0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

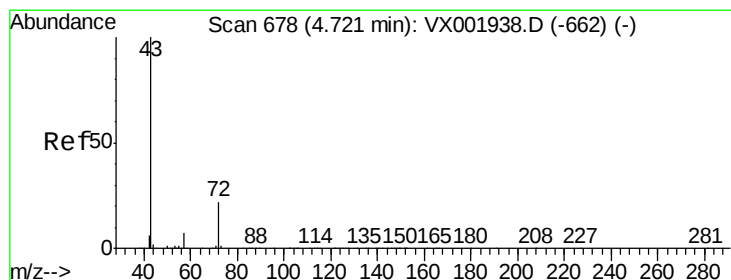
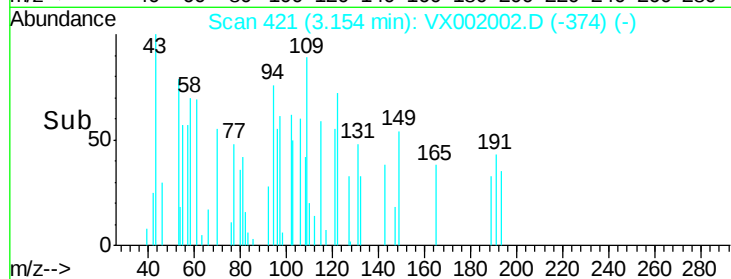
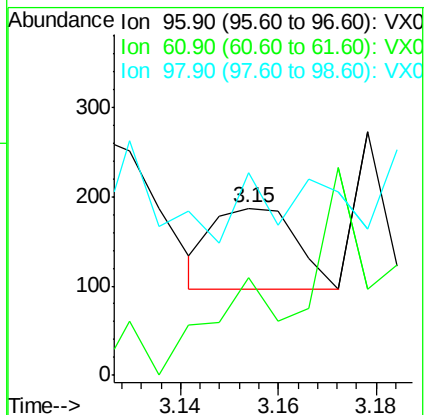
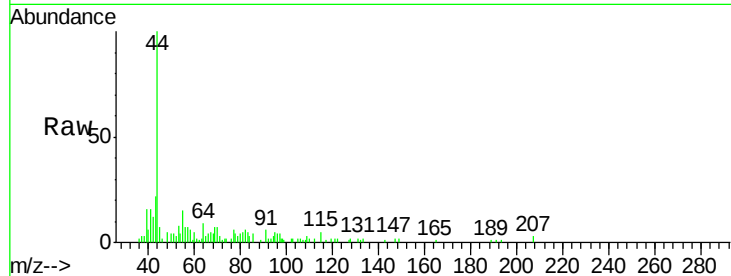
Tgt Ion: 96 Resp: 106

Ion Ratio Lower Upper

96 100

61 58.9 113.3 169.9#

98 47.8 51.7 77.5#



#25

2-Butanone

Concen: 0.84 ug/l

RT: 4.71 min Scan# 677

Delta R.T. -0.01 min

Lab File: VX002002.D

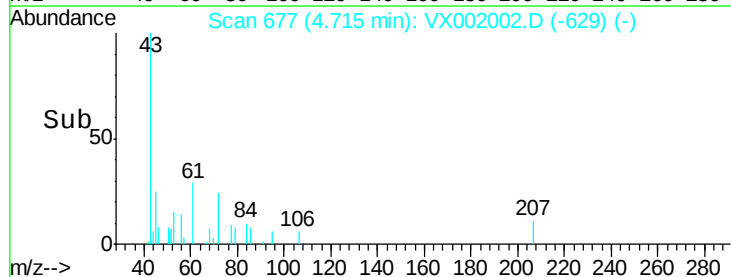
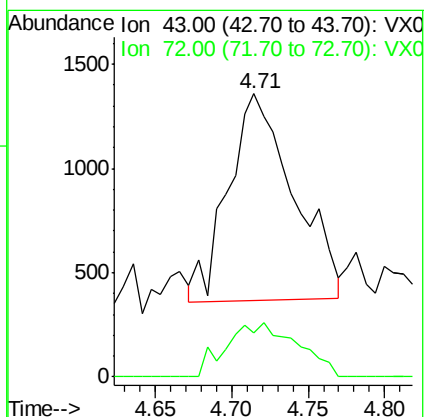
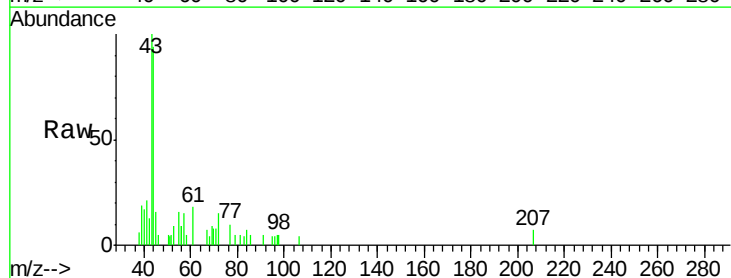
Acq: 26 May 2018 03:15

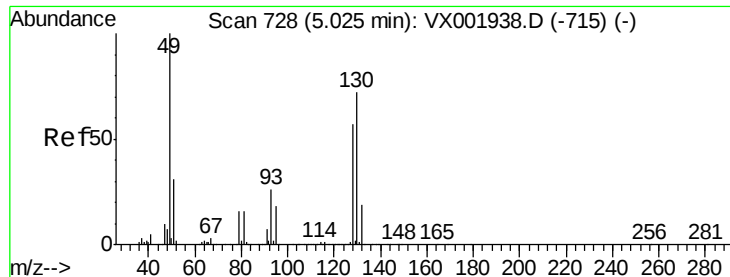
Tgt Ion: 43 Resp: 2932

Ion Ratio Lower Upper

43 100

72 22.7 17.9 26.9





#28

Bromochloromethane

Concen: Below Cal

RT: 5.01 min Scan# 726

Delta R.T. -0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

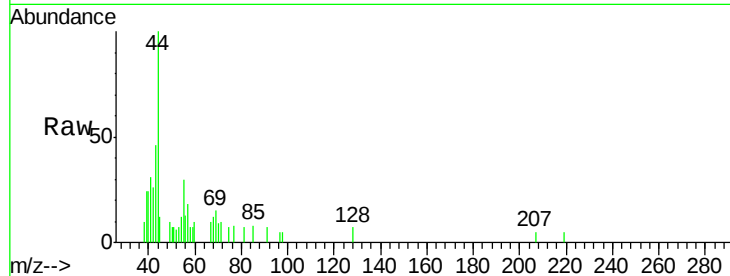
Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

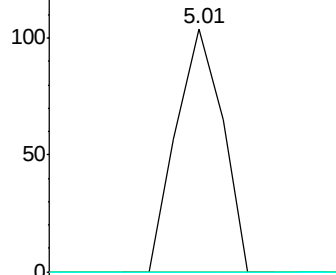
Tgt Ion:	49	Resp:	83
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	0.0	59.4	89.2#



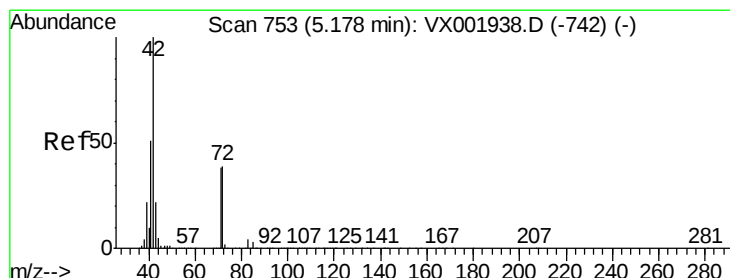
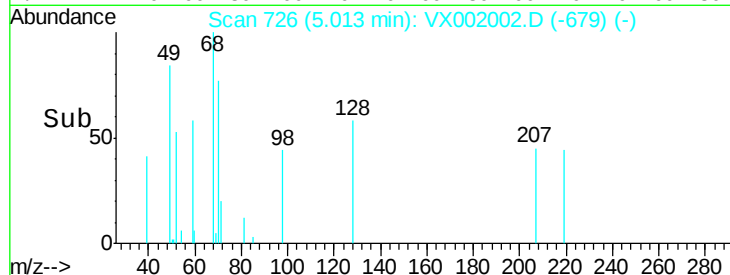
Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



Time-->



#29

Tetrahydrofuran

Concen: 0.69 ug/l

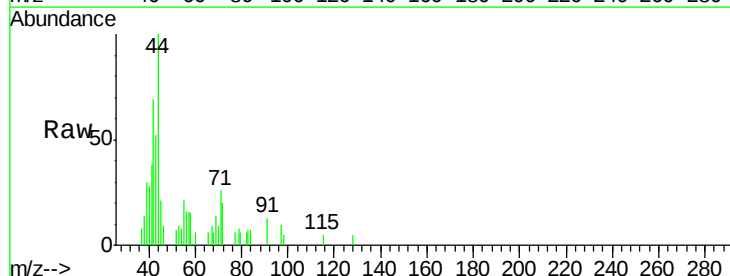
RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

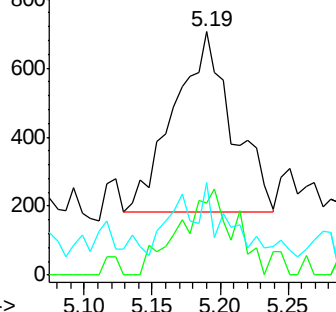
Tgt Ion:	42	Resp:	1567
Ion	Ratio	Lower	Upper
42	100		
72	44.3	31.4	47.0
71	0.0	29.5	44.3#



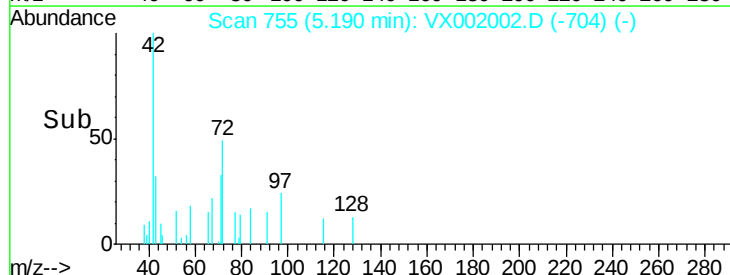
Abundance Ion 42.00 (41.70 to 42.70): VX0

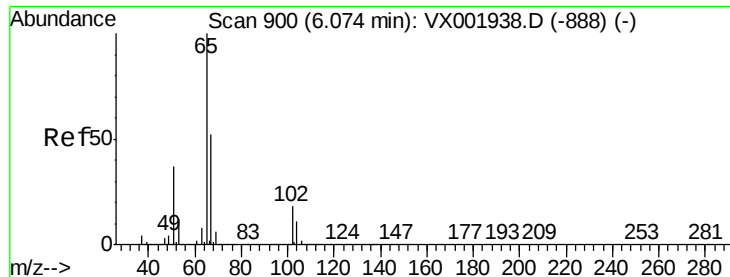
Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0



Time-->





#33

1,2-Dichloroethane-d4

Concen: 55.33 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

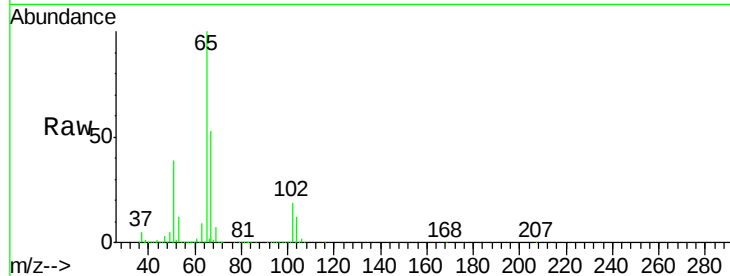
PB109661ZHE#10

Tgt Ion: 65 Resp: 271713

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

120000

100000

80000

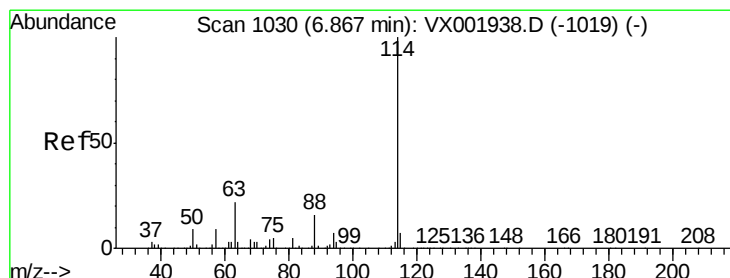
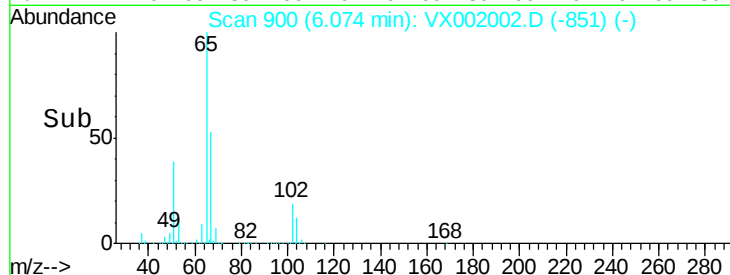
60000

40000

20000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

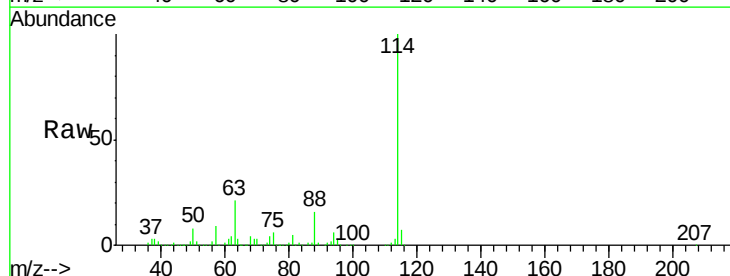
Tgt Ion: 114 Resp: 433162

Ion Ratio Lower Upper

114 100

63 21.3 0.0 43.2

88 15.5 0.0 31.6



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

250000

200000

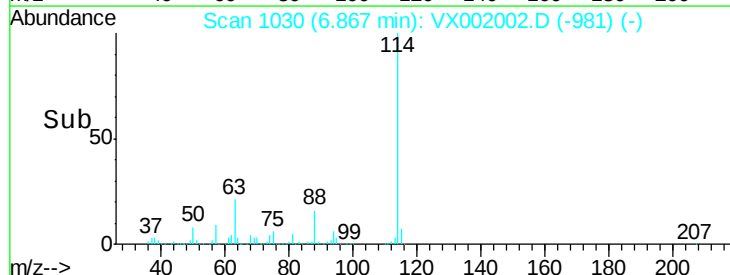
150000

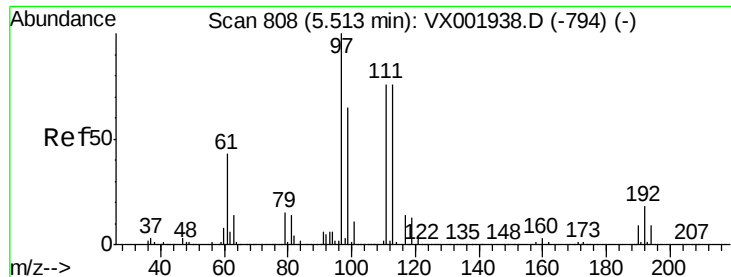
100000

50000

0

Time--> 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.08 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

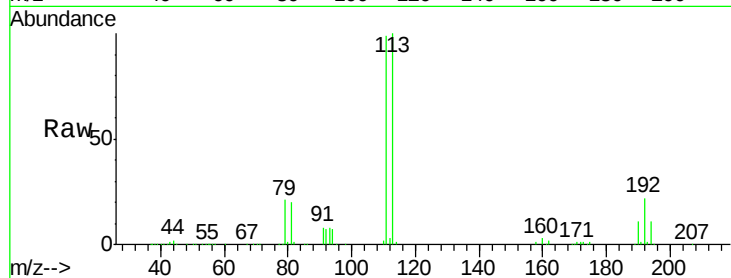
Tgt Ion:113 Resp: 208248

Ion Ratio Lower Upper

113 100

111 103.1 82.0 123.0

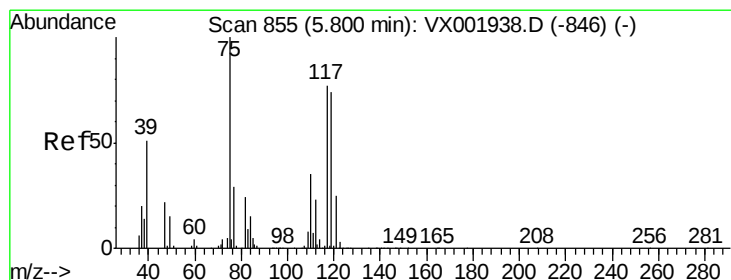
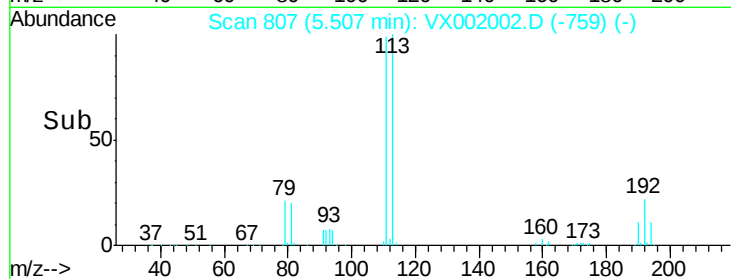
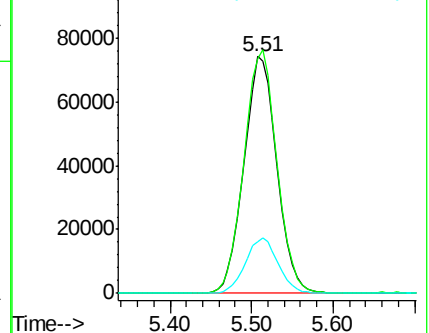
192 23.3 18.9 28.3



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: 3.23 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

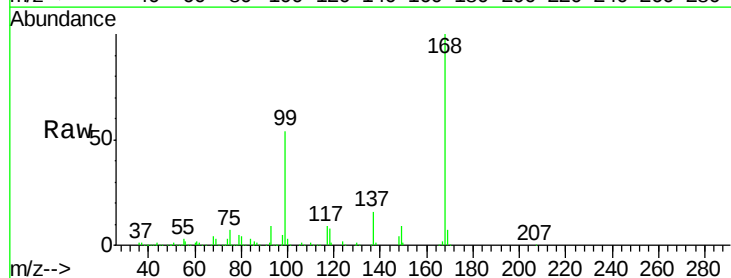
Tgt Ion: 75 Resp: 19478

Ion Ratio Lower Upper

75 100

110 10.1 17.4 52.2#

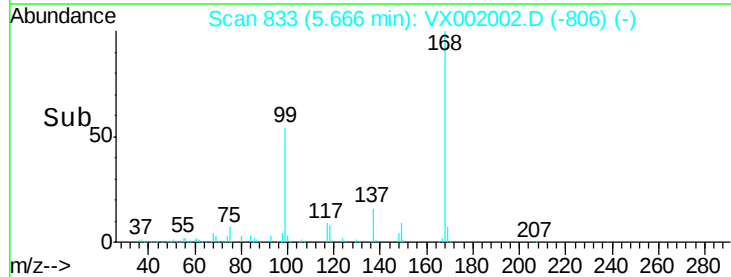
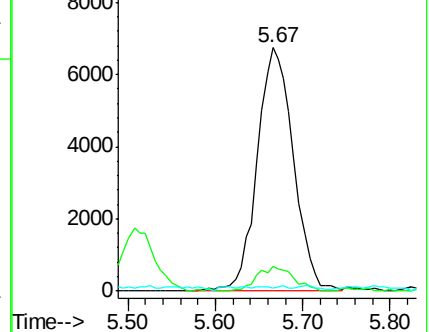
77 0.7 24.4 36.6#

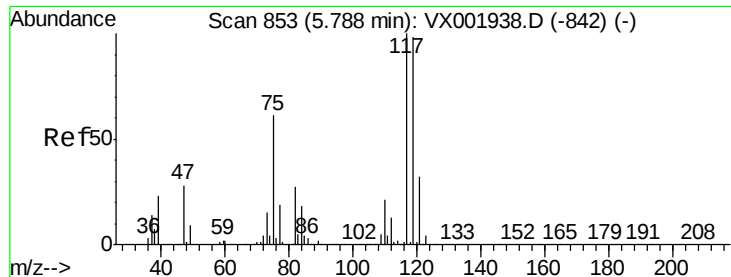


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 3.55 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

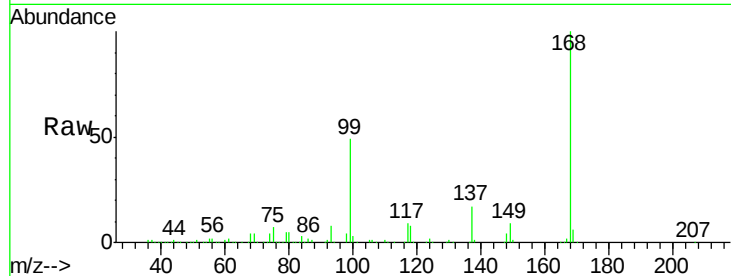
Tgt Ion:117 Resp: 24937

Ion Ratio Lower Upper

117 100

119 3.4 78.5 117.7#

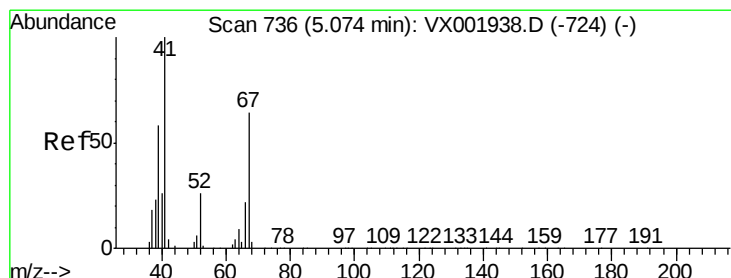
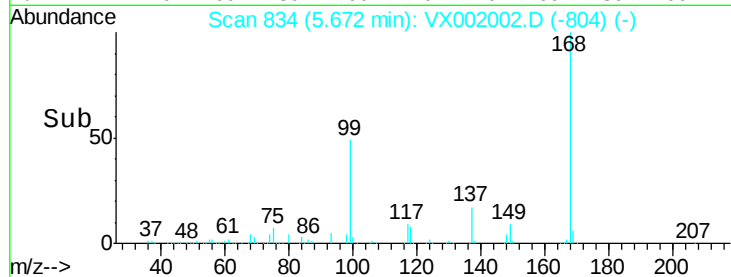
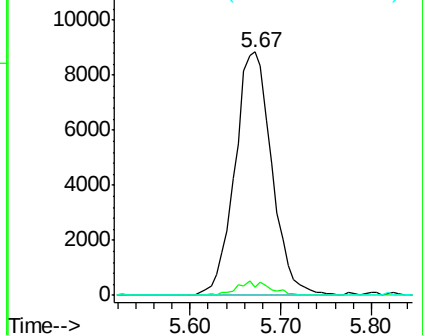
121 0.0 25.5 38.3#



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



#41

Methacrylonitrile

Concen: Below Cal

RT: 5.06 min Scan# 734

Delta R.T. -0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Tgt Ion: 41 Resp: 89

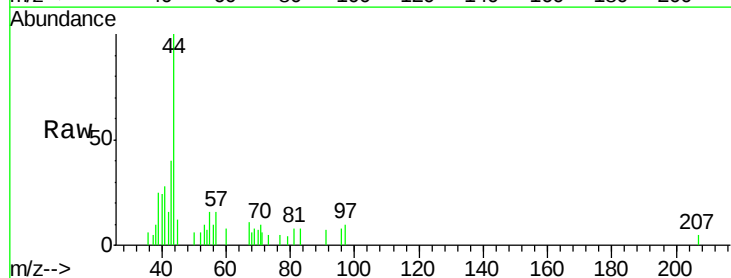
Ion Ratio Lower Upper

41 100

39 207.9 46.0 69.0#

67 0.0 50.6 75.8#

52 0.0 21.9 32.9#

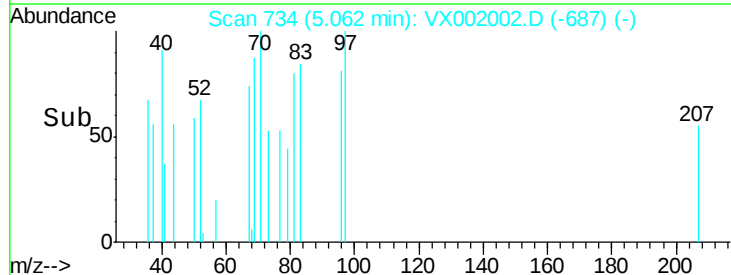
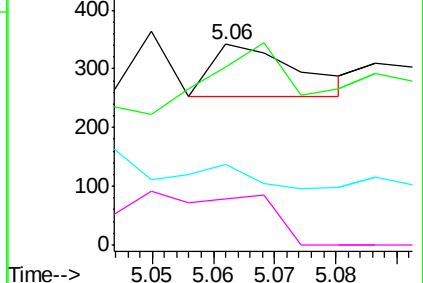


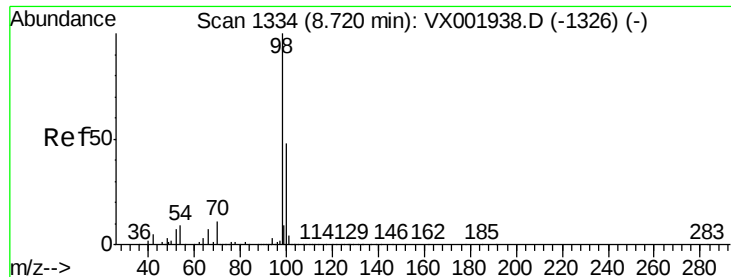
Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

Ion 67.00 (66.70 to 67.70): VX0

Ion 52.00 (51.70 to 52.70): VX0





#50

Toluene-d8

Concen: 45.97 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

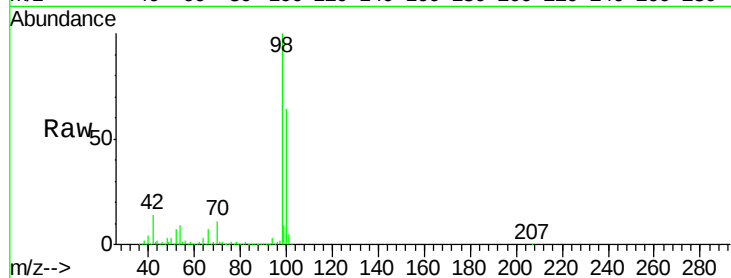
PB109661ZHE#10

Tgt Ion: 98 Resp: 720917

Ion Ratio Lower Upper

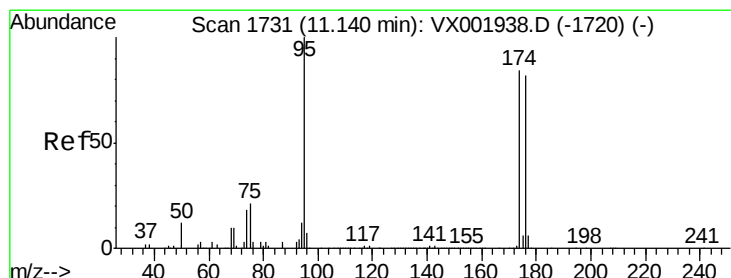
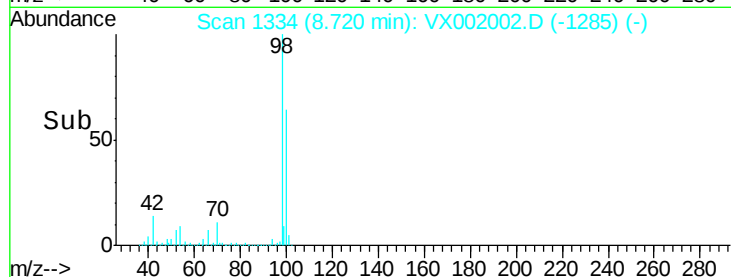
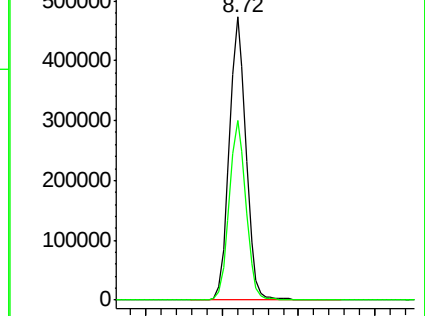
98 100

100 63.4 51.5 77.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX



#62

4-Bromofluorobenzene

Concen: 42.89 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

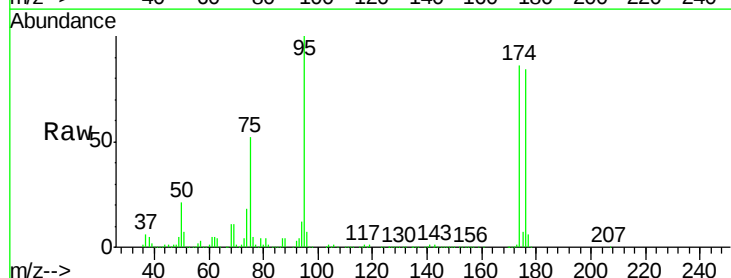
Tgt Ion: 95 Resp: 263178

Ion Ratio Lower Upper

95 100

174 91.4 0.0 178.8

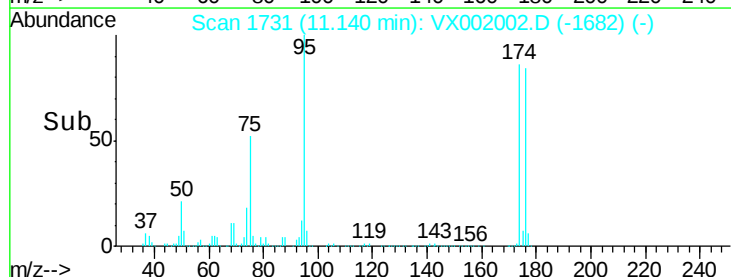
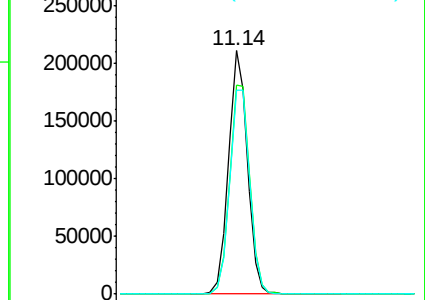
176 89.5 0.0 175.6

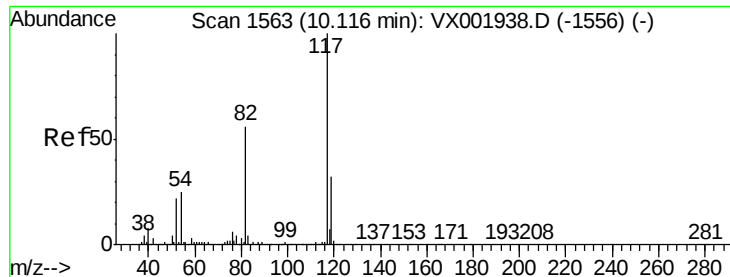


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

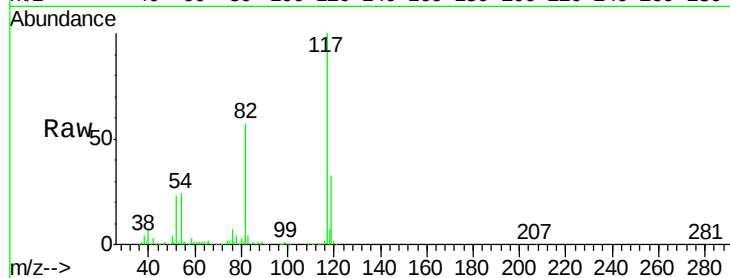
Tgt Ion:117 Resp: 386700

Ion Ratio Lower Upper

117 100

82 57.4 44.8 67.2

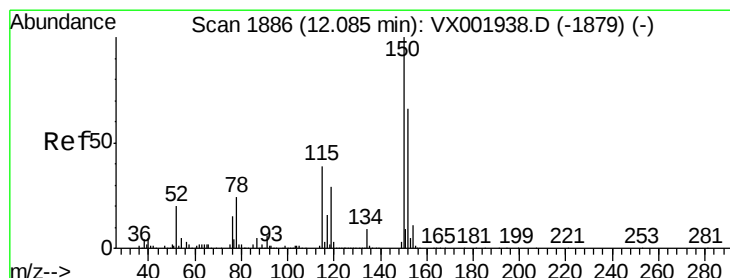
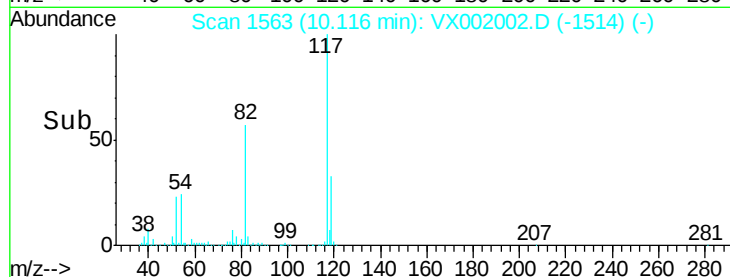
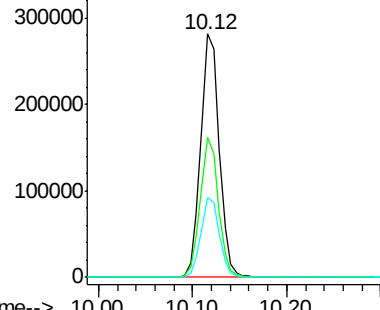
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

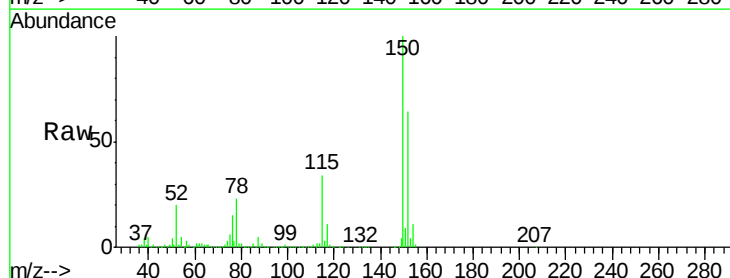
Tgt Ion:152 Resp: 204544

Ion Ratio Lower Upper

152 100

115 54.9 42.3 126.8

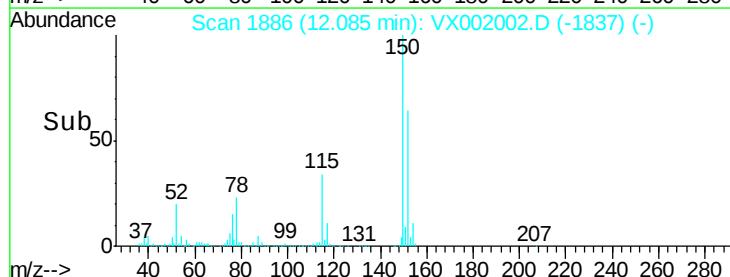
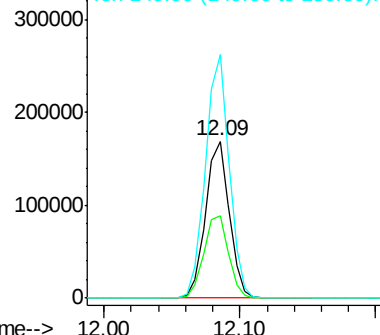
150 155.7 0.0 351.0

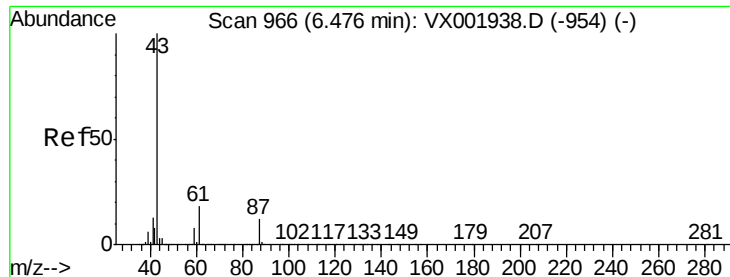


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-ethyl acetate

Concen: Below Cal

RT: 6.47 min Scan# 965

Delta R.T. -0.01 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

Tgt Ion: 43 Resp: 98

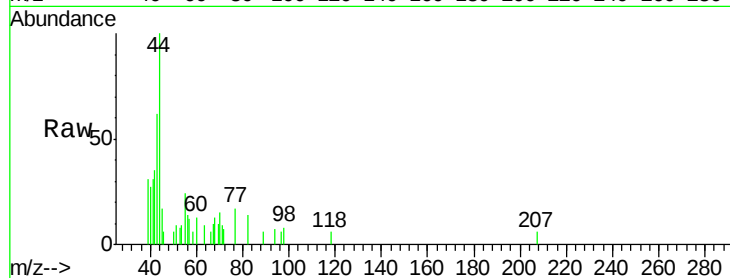
Ion Ratio Lower Upper

43 100

70 0.0 0.1 0.1#

55 0.0 0.1 0.1#

61 21.4 14.5 21.7

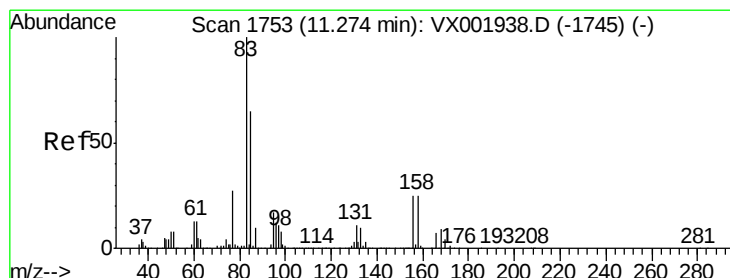
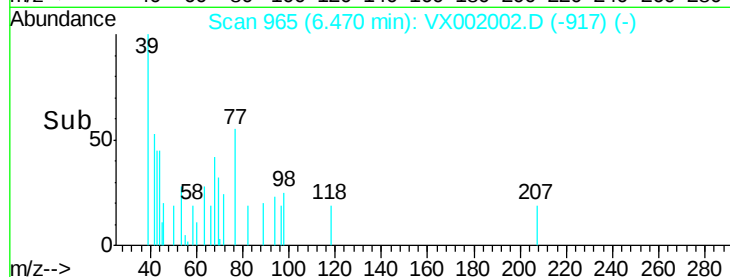
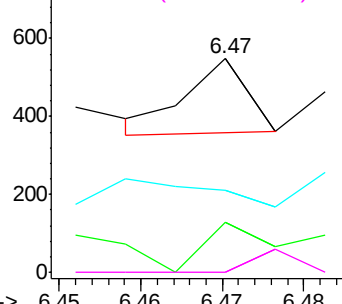


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 11.27 min Scan# 1753

Delta R.T. 0.00 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

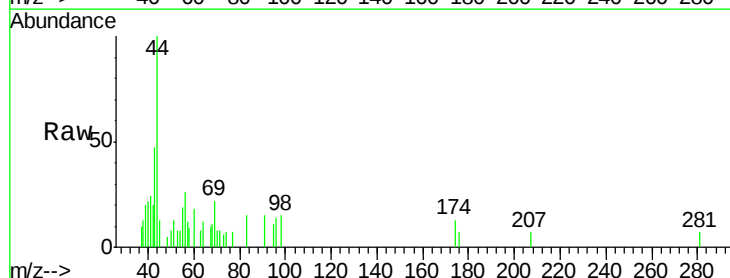
Tgt Ion: 83 Resp: 217

Ion Ratio Lower Upper

83 100

131 0.0 5.7 17.0#

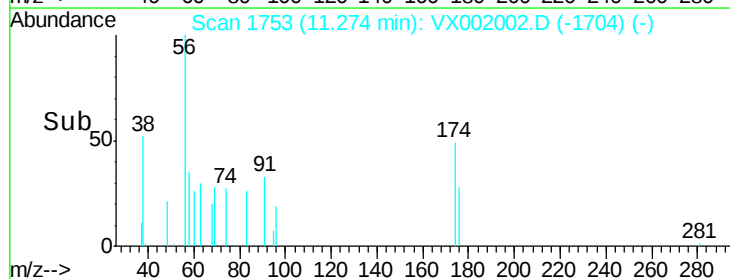
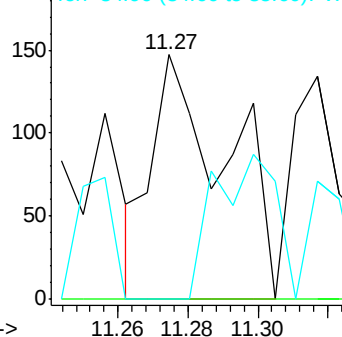
85 0.0 32.6 97.7#

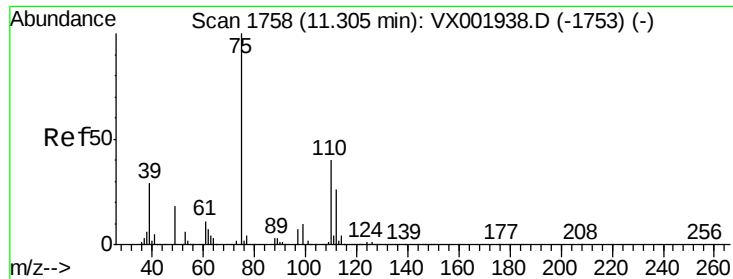


Abundance Ion 82.90 (82.60 to 83.60): VX0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VX0

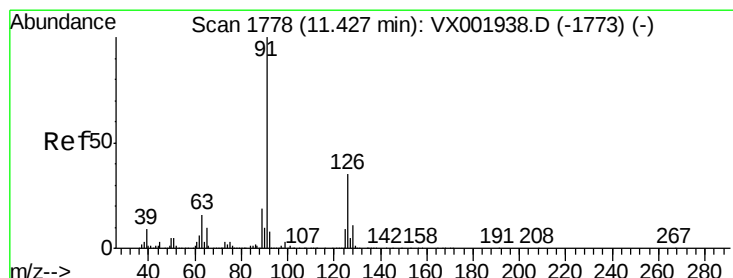
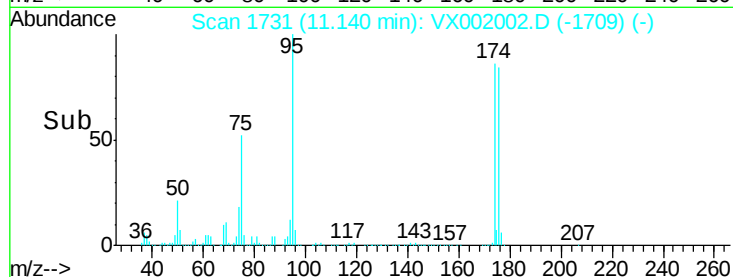
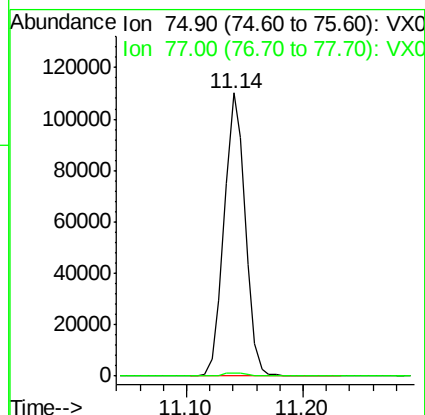
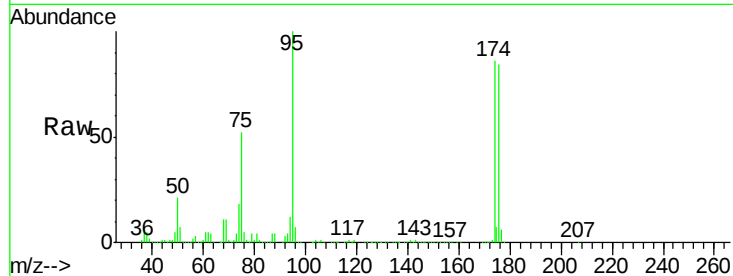




#76
 1,2,3-Trichloropropane
 Concen: 28.05 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX002002.D
 Acq: 26 May 2018 03:15

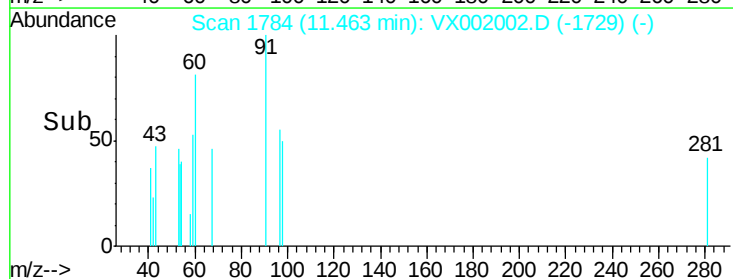
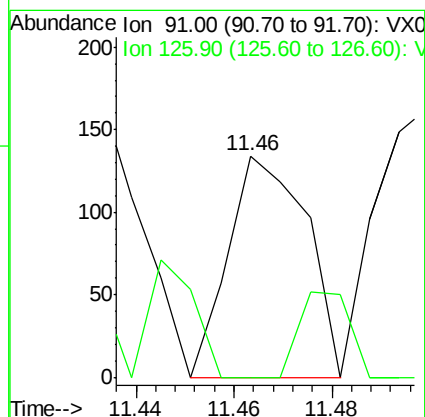
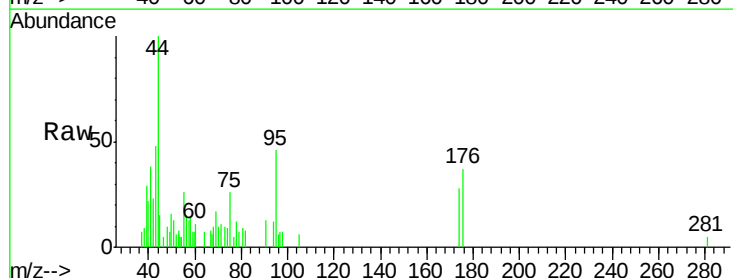
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109661ZHE#10

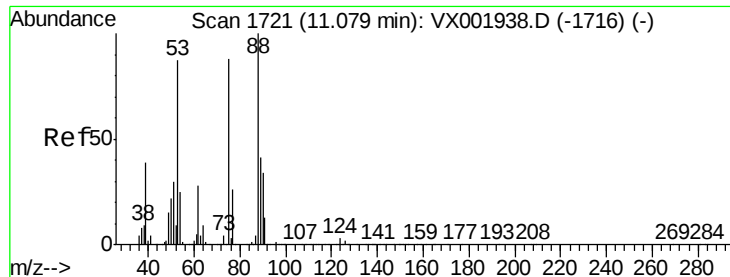
Tgt Ion: 75 Resp: 137810
 Ion Ratio Lower Upper
 75 100
 77 1.3 22.8 68.3#



#79
 2-Chlorotoluene
 Concen: Below Cal
 RT: 11.46 min Scan# 1784
 Delta R.T. 0.04 min
 Lab File: VX002002.D
 Acq: 26 May 2018 03:15

Tgt Ion: 91 Resp: 149
 Ion Ratio Lower Upper
 91 100
 126 24.8 17.4 52.2





#81

trans-1,4-Dichloro-2-butene

Concen: 67.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX002002.D

Acq: 26 May 2018 03:15

Instrument :

MSVOA_X

ClientSampleId :

PB109661ZHE#10

Tgt Ion: 75 Resp: 137810

Ion Ratio Lower Upper

75 100

53 0.1 78.0 117.0#

89 0.0 39.4 59.2#

