

Data File : VX001697.D
Acq On : 13 May 2018 05:06
Operator : JC/MD
Sample : PB109200ZHE#13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#13

Quant Time: May 14 06:12:03 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M
Quant Title : SW846 8260
QLast Update : Sun May 06 07:59:25 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	272530	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	371487	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327078	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	175094	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	179431	45.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.62%	
35) Dibromofluoromethane	5.51	113	145402	44.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.00%	
50) Toluene-d8	8.72	98	516858	42.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.70%	
62) 4-Bromofluorobenzene	11.14	95	162665	35.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.26%	

Target Compounds			Qvalue			
5) Bromomethane	1.66	94	659	Below Cal	#	73
11) Tert butyl alcohol	3.03	59	1993	2.41	ug/l	# 75
13) Acrolein	2.30	56	83	Below Cal	#	65
16) Acetone	2.45	43	7568	4.25	ug/l	99
18) Methyl Acetate	2.78	43	23318	4.99	ug/l	99
20) Methylene Chloride	2.86	84	2489	0.71	ug/l	96
25) 2-Butanone	4.71	43	2295	0.89	ug/l	# 73
29) Tetrahydrofuran	5.18	42	386	0.23	ug/l	# 55
31) Cyclohexane	5.67	56	4638	0.92	ug/l	# 2
36) 1,1-Dichloropropene	5.67	75	16431	3.48	ug/l	# 49
38) Carbon Tetrachloride	5.67	117	23500	4.66	ug/l	# 16
76) 1,2,3-Trichloropropane	11.14	75	77897	21.94	ug/l	# 38
81) trans-1,4-Dichloro-2-buten	11.14	75	77897	68.23	ug/l	# 7

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

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ALS Vial : 41 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

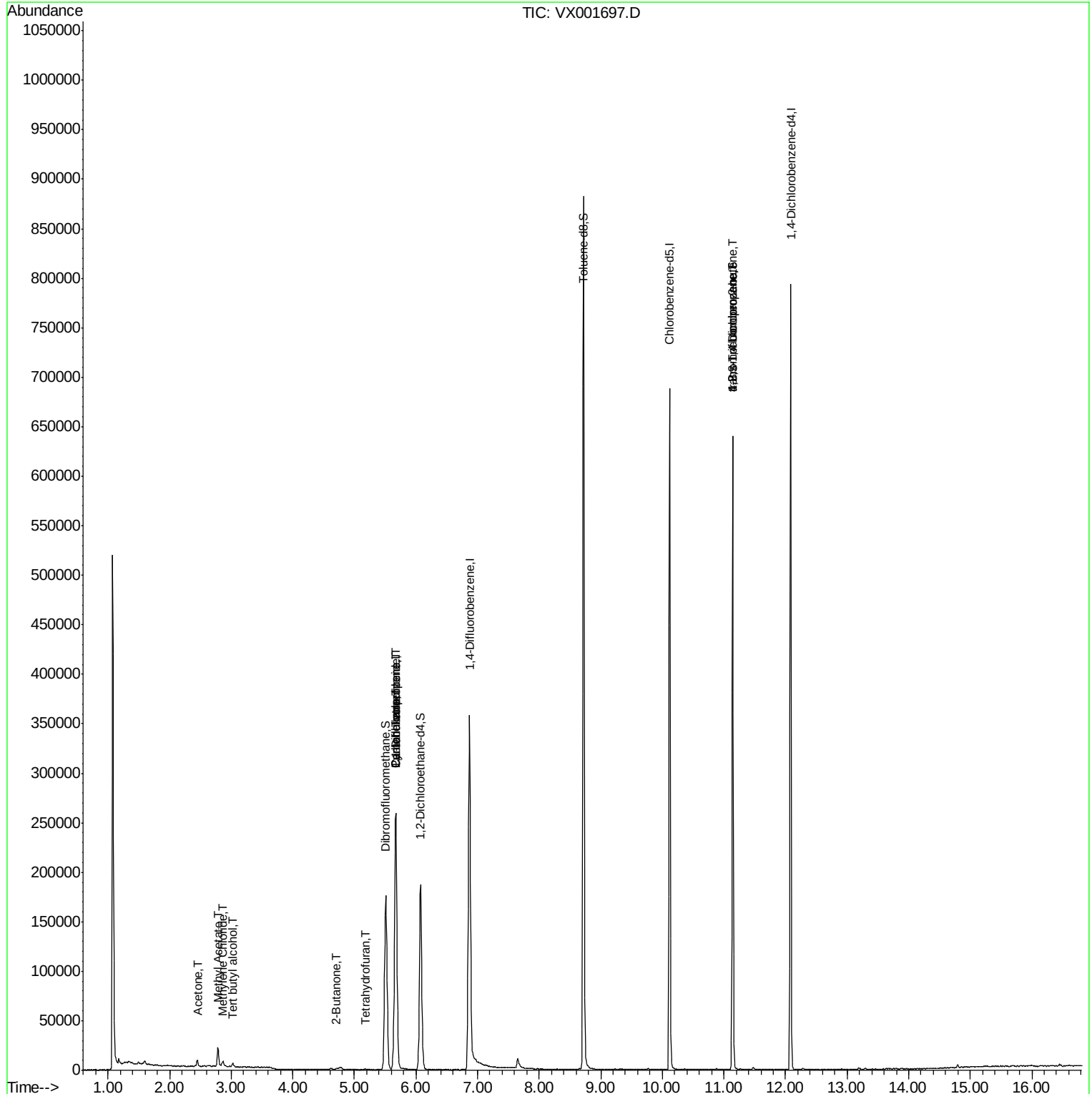
Quant Time: May 14 06:12:03 2018

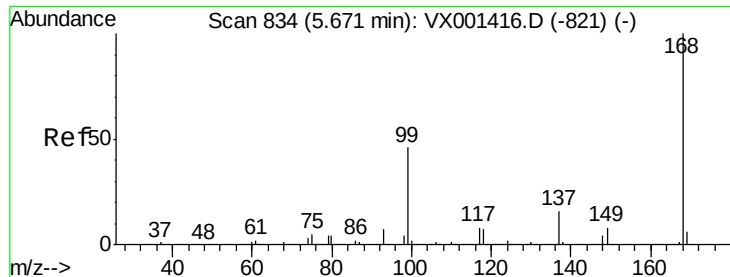
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

Quant Title : SW846 8260

QLast Update : Sun May 06 07:59:25 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: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

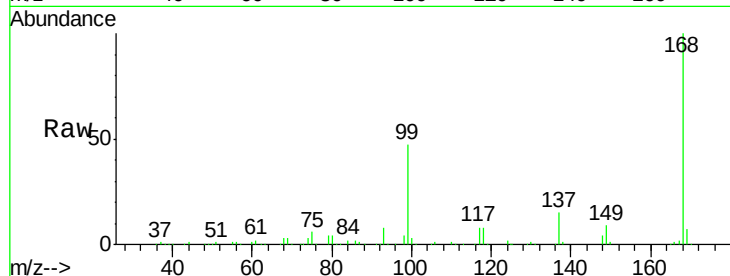
PB109200ZHE#13

Tgt Ion:168 Resp: 272530

Ion Ratio Lower Upper

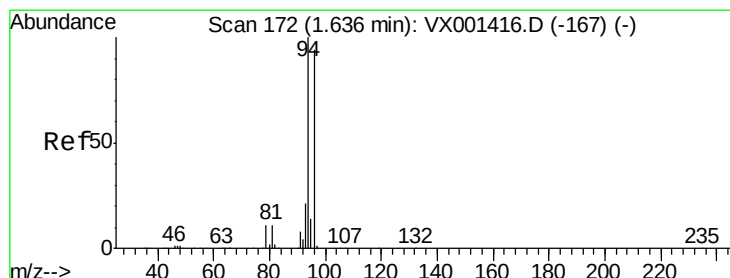
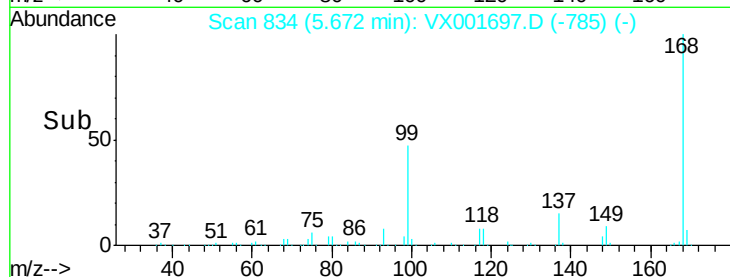
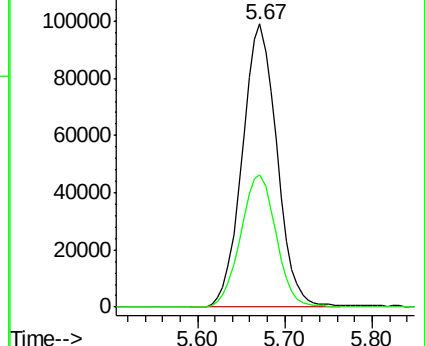
168 100

99 46.6 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001697.D

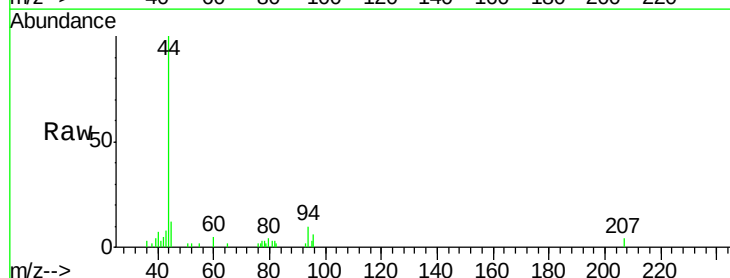
Acq: 13 May 2018 05:06

Tgt Ion: 94 Resp: 659

Ion Ratio Lower Upper

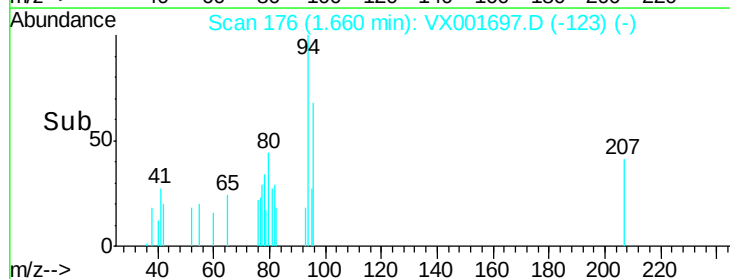
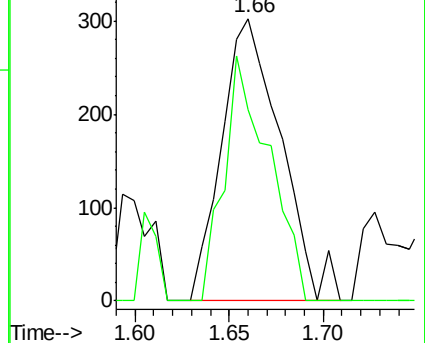
94 100

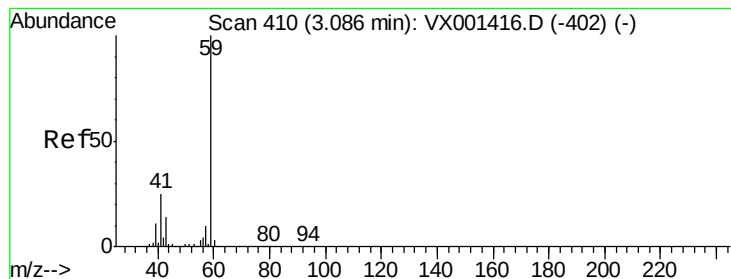
96 67.7 75.0 112.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#11

Tert butyl alcohol

Concen: 2.41 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

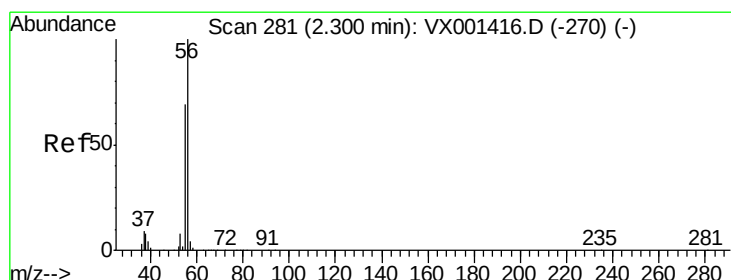
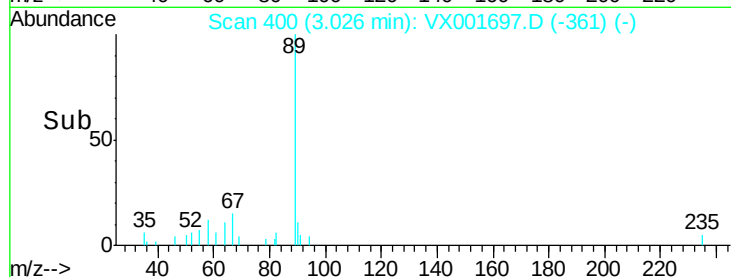
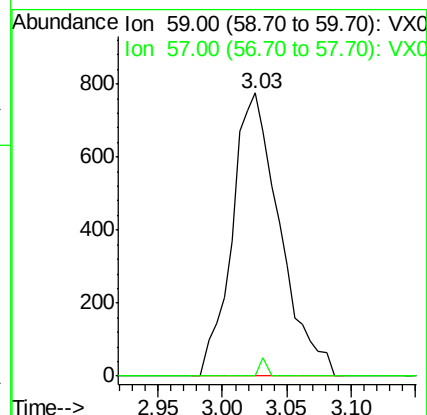
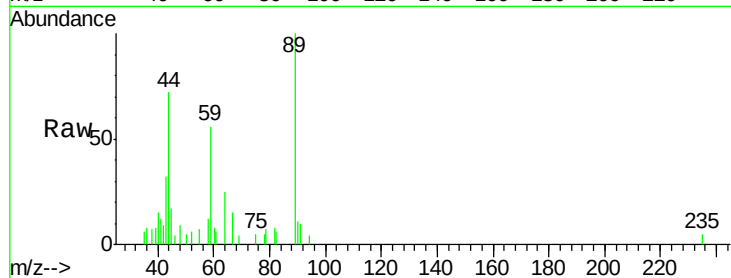
PB109200ZHE#13

Tgt Ion: 59 Resp: 1993

Ion Ratio Lower Upper

59 100

57 1.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.30 min Scan# 281

Delta R.T. 0.00 min

Lab File: VX001697.D

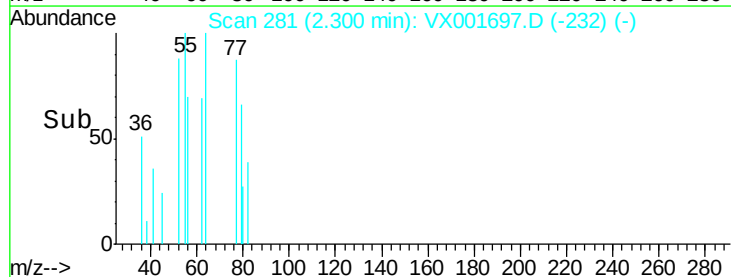
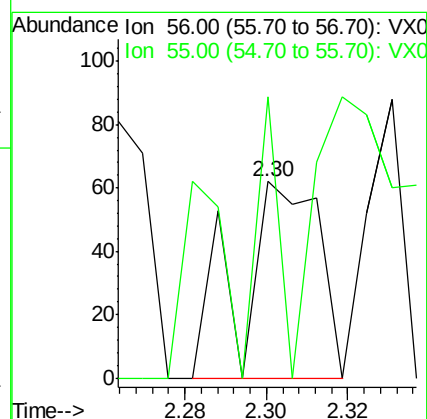
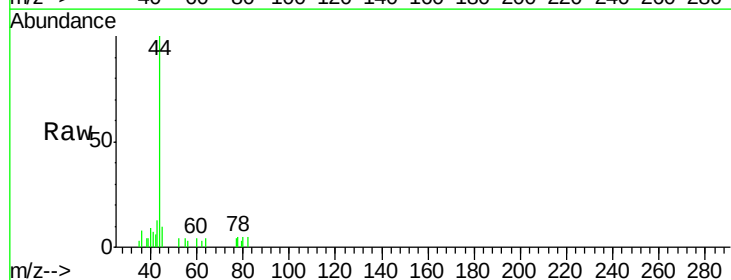
Acq: 13 May 2018 05:06

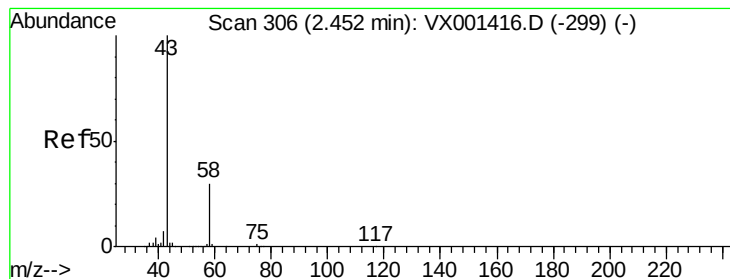
Tgt Ion: 56 Resp: 83

Ion Ratio Lower Upper

56 100

55 39.8 54.5 81.7#





#16

Acetone

Concen: 4.25 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

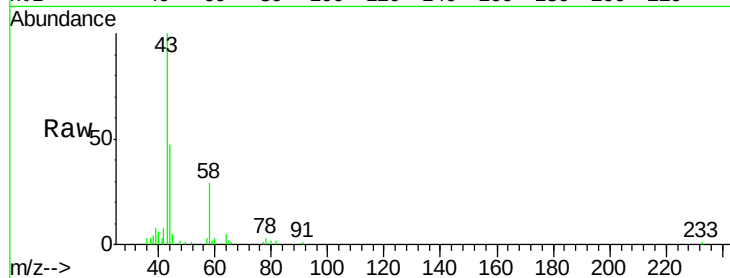
PB109200ZHE#13

Tgt Ion: 43 Resp: 7568

Ion Ratio Lower Upper

43 100

58 30.1 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

4000

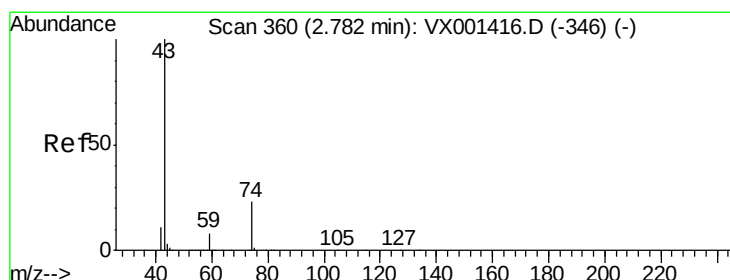
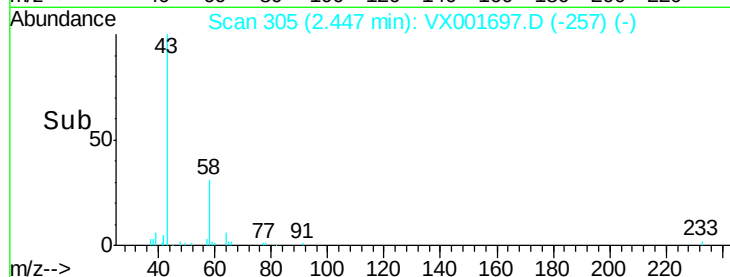
3000

2000

1000

0

Time--> 2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 4.99 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001697.D

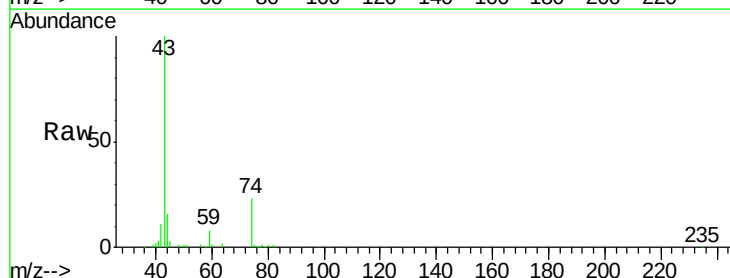
Acq: 13 May 2018 05:06

Tgt Ion: 43 Resp: 23318

Ion Ratio Lower Upper

43 100

74 23.5 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

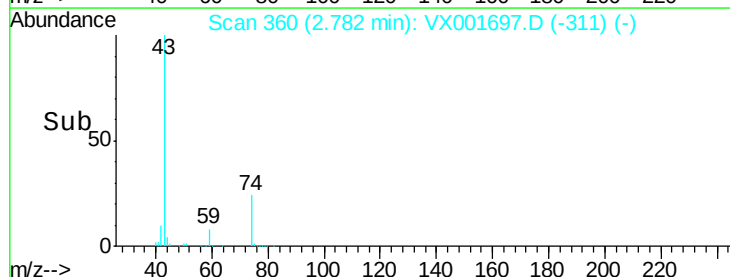
15000

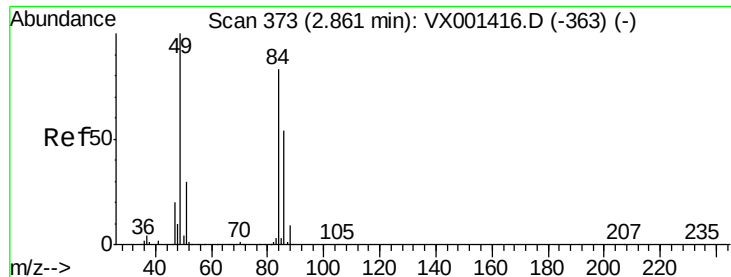
10000

5000

0

Time--> 2.70 2.75 2.80 2.85 2.90



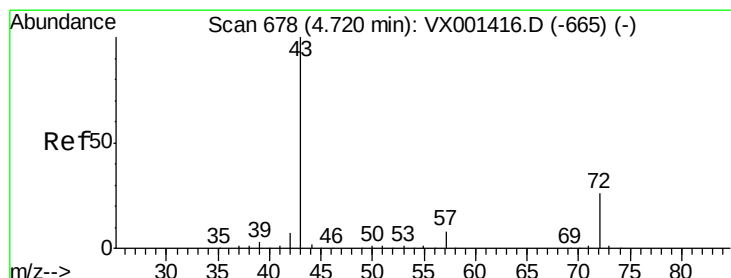
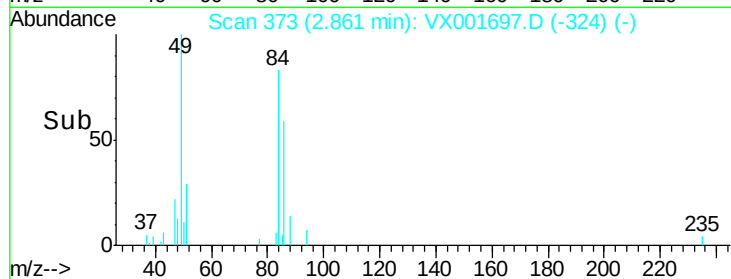
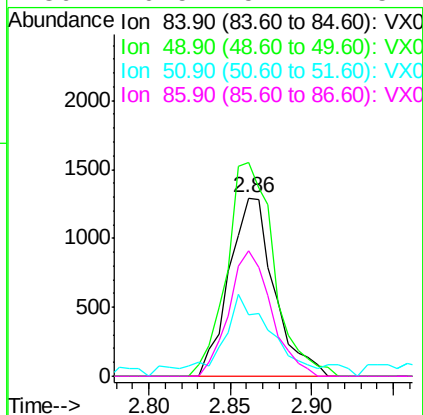
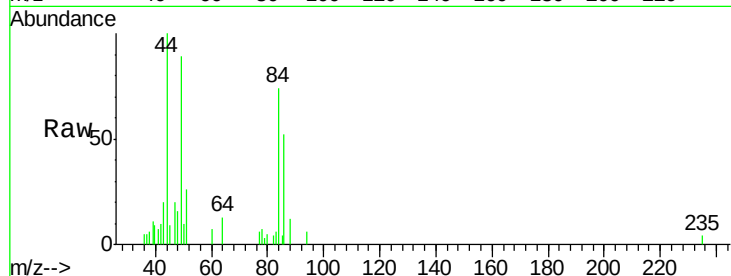


#20
Methylene Chloride
Concen: 0.71 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001697.D
Acq: 13 May 2018 05:06

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#13

Tgt Ion: 84 Resp: 2489

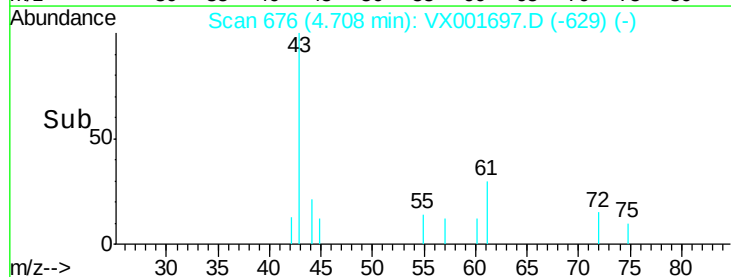
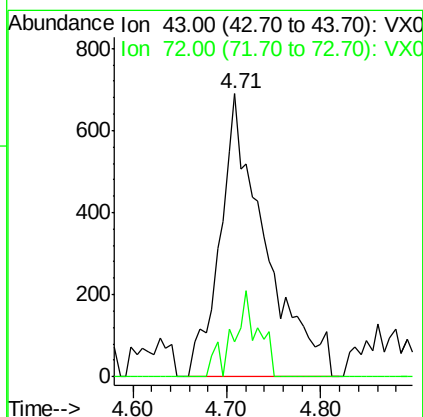
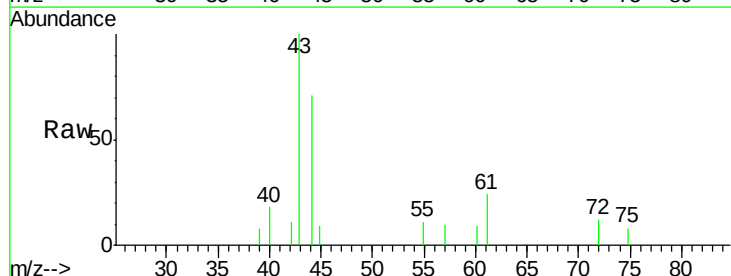
Ion	Ratio	Lower	Upper
84	100		
49	120.1	96.6	144.8
51	29.2	29.0	43.4
86	70.5	52.2	78.4

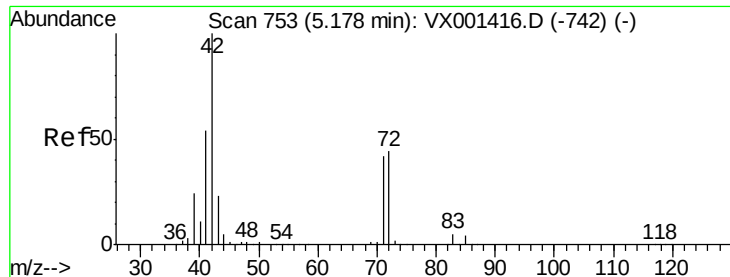


#25
2-Butanone
Concen: 0.89 ug/l
RT: 4.71 min Scan# 676
Delta R.T. -0.01 min
Lab File: VX001697.D
Acq: 13 May 2018 05:06

Tgt Ion: 43 Resp: 2295

Ion	Ratio	Lower	Upper
43	100		
72	12.3	20.7	31.1#





#29

Tetrahydrofuran

Concen: 0.23 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

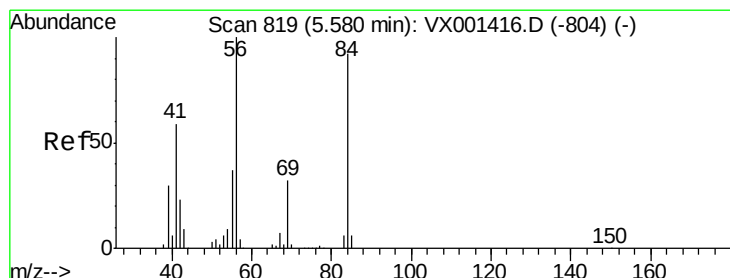
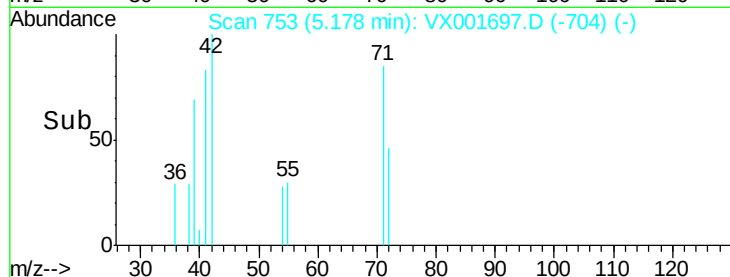
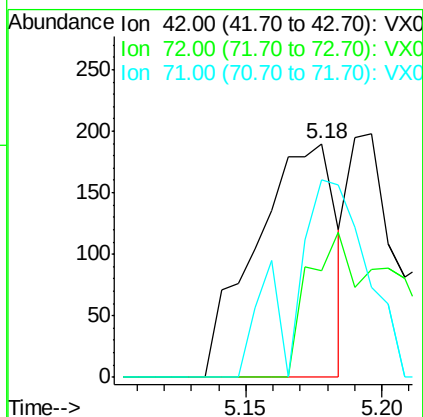
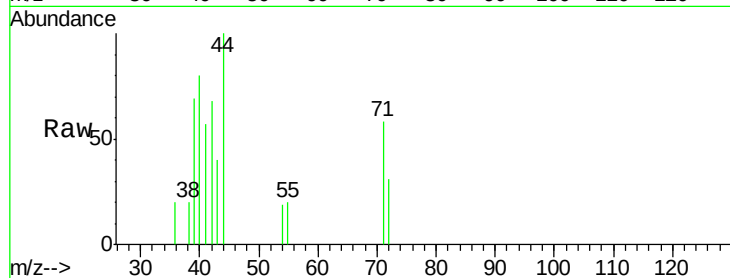
Tgt Ion: 42 Resp: 386

Ion Ratio Lower Upper

42 100

72 64.5 35.4 53.2#

71 79.0 33.0 49.4#



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.09 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

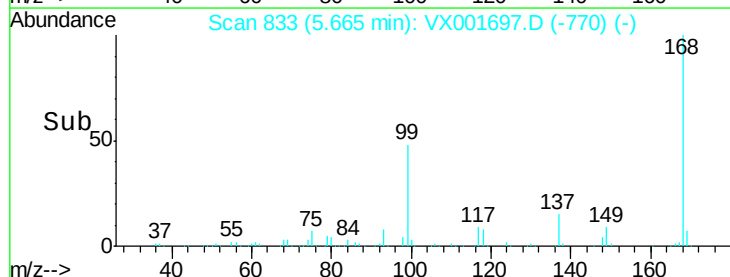
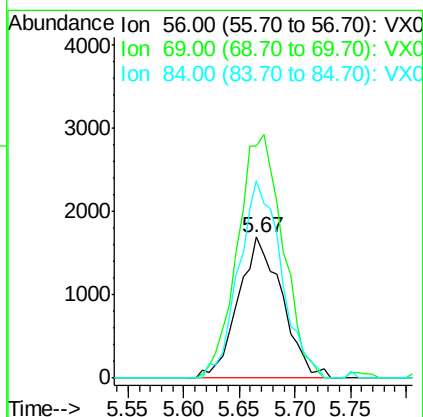
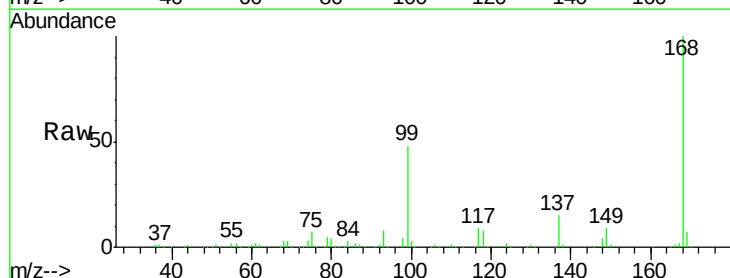
Tgt Ion: 56 Resp: 4638

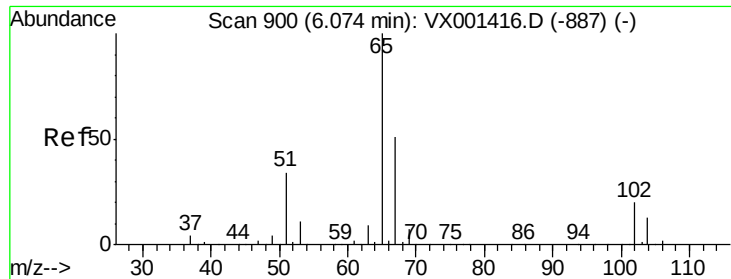
Ion Ratio Lower Upper

56 100

69 165.1 25.4 38.0#

84 139.8 73.8 110.8#

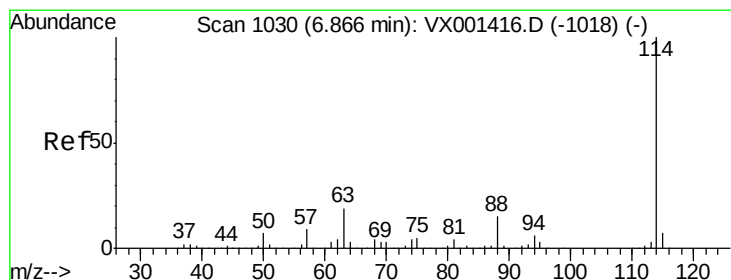
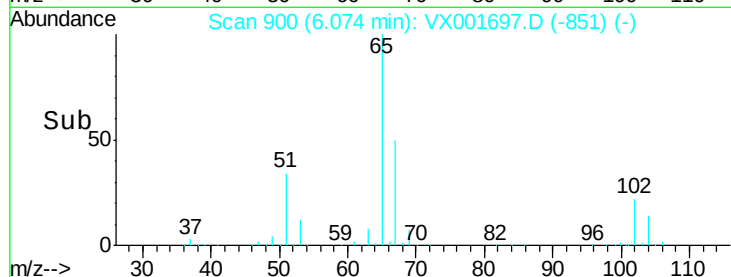
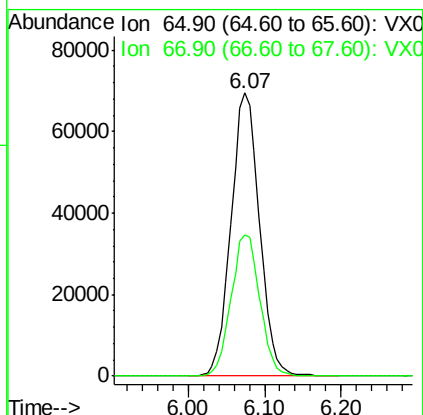
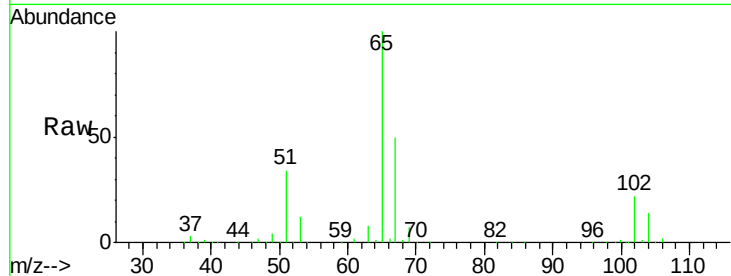




#33
 1,2-Dichloroethane-d4
 Concen: 45.81 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001697.D
 Acq: 13 May 2018 05:06

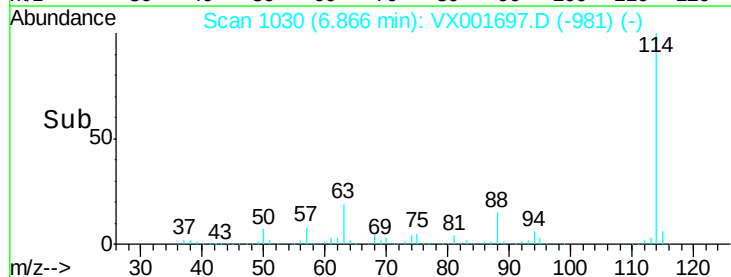
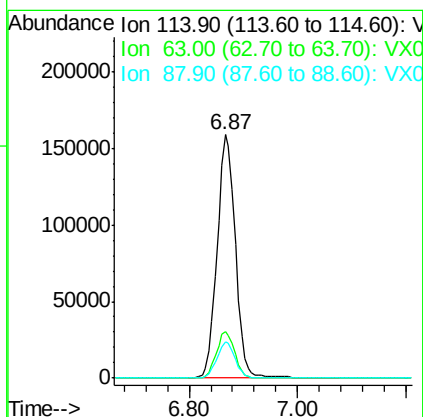
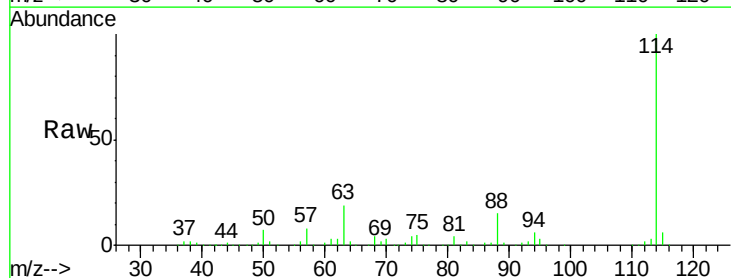
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#13

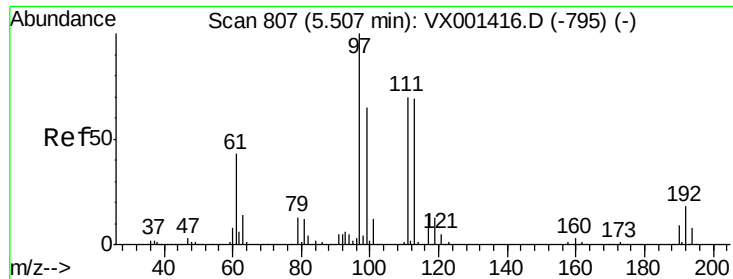
Tgt Ion: 65 Resp: 179431
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001697.D
 Acq: 13 May 2018 05:06

Tgt Ion: 114 Resp: 371487
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.6
 88 14.9 0.0 30.8





#35

Dibromofluoromethane

Concen: 44.00 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.01 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

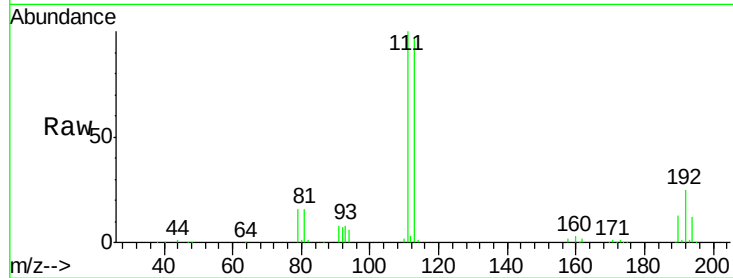
Tgt Ion:113 Resp: 145402

Ion Ratio Lower Upper

113 100

111 101.7 82.2 123.2

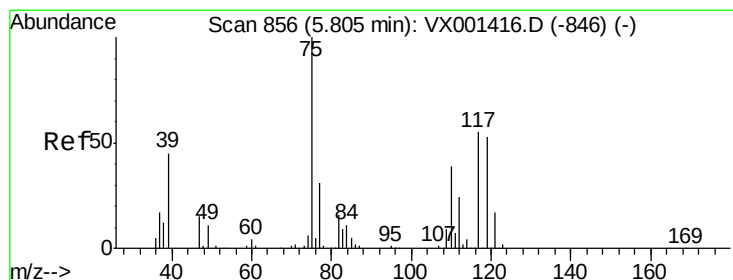
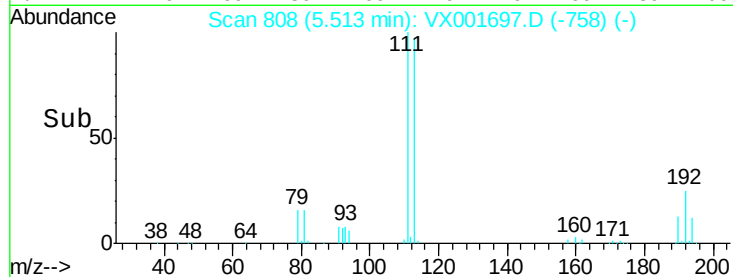
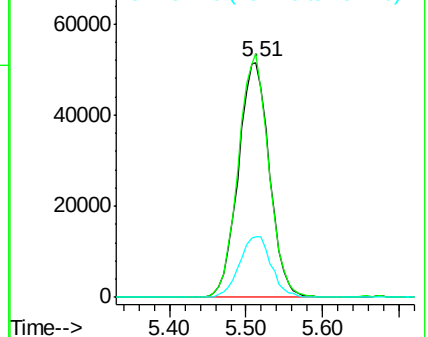
192 26.5 21.4 32.0



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: 3.48 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.14 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

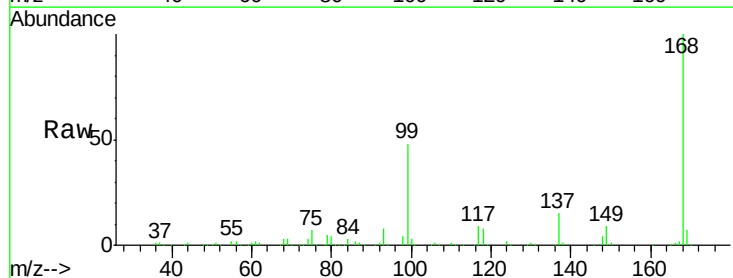
Tgt Ion: 75 Resp: 16431

Ion Ratio Lower Upper

75 100

110 9.9 18.9 56.7#

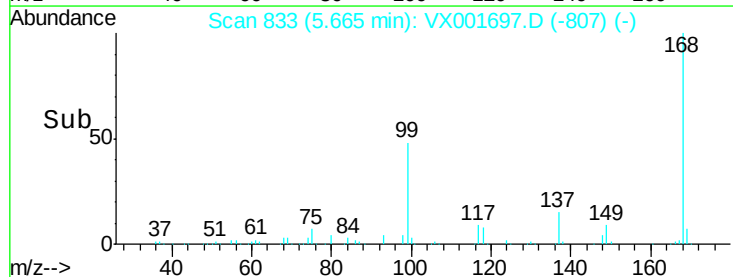
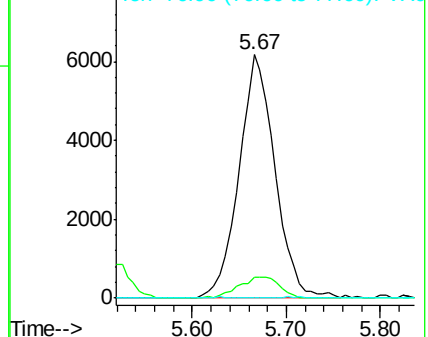
77 0.0 24.9 37.3#

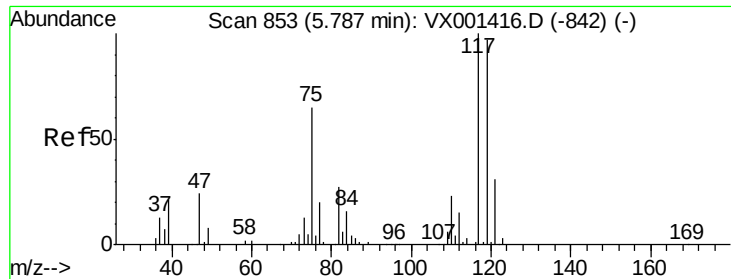


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.66 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

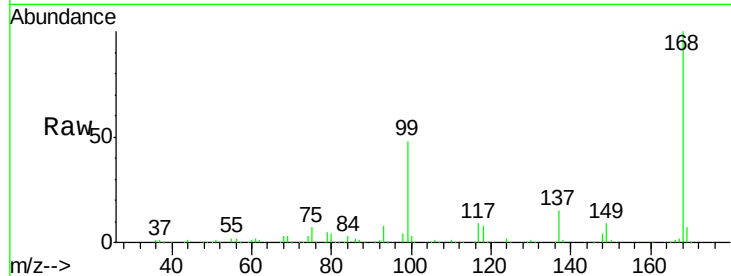
Tgt Ion:117 Resp: 23500

Ion Ratio Lower Upper

117 100

119 5.0 77.0 115.6#

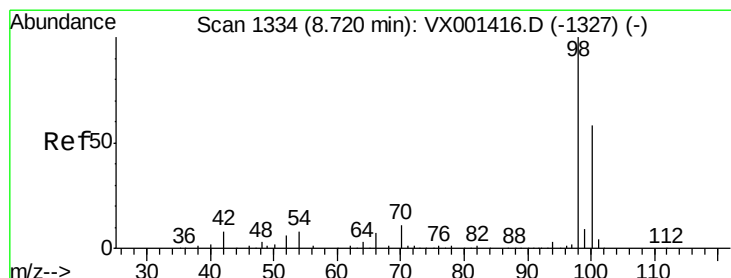
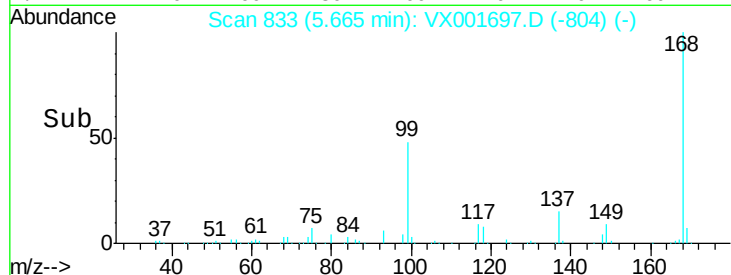
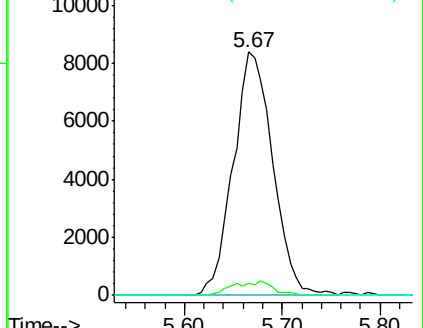
121 0.0 25.1 37.7#



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: 42.85 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001697.D

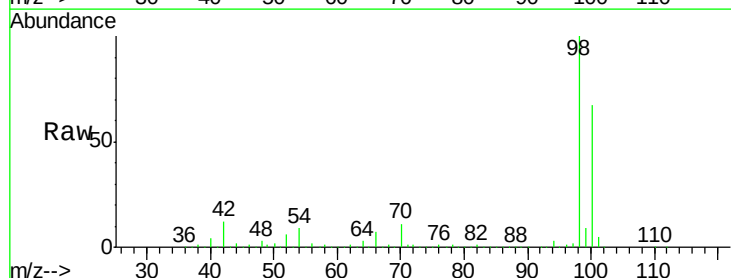
Acq: 13 May 2018 05:06

Tgt Ion: 98 Resp: 516858

Ion Ratio Lower Upper

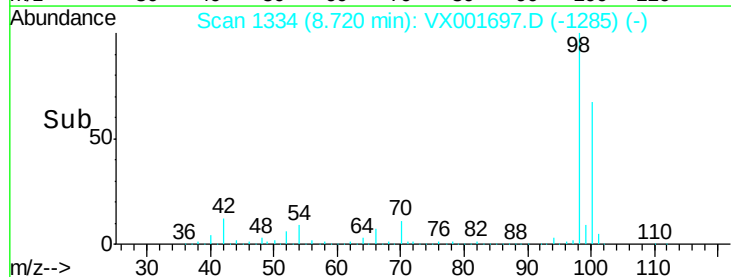
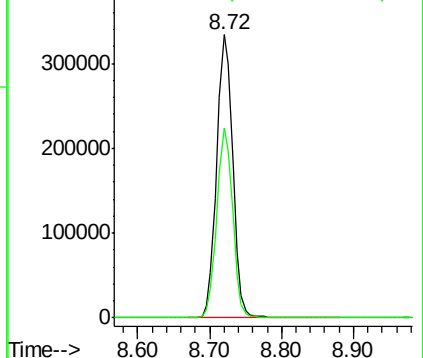
98 100

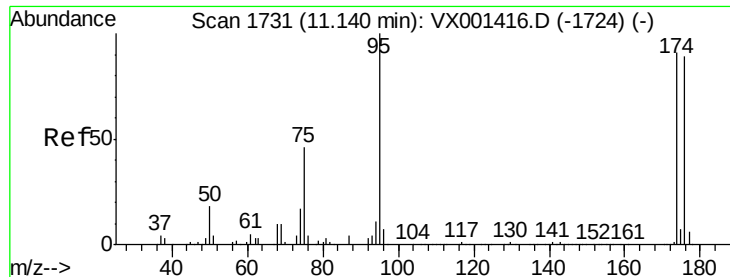
100 66.2 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 35.13 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

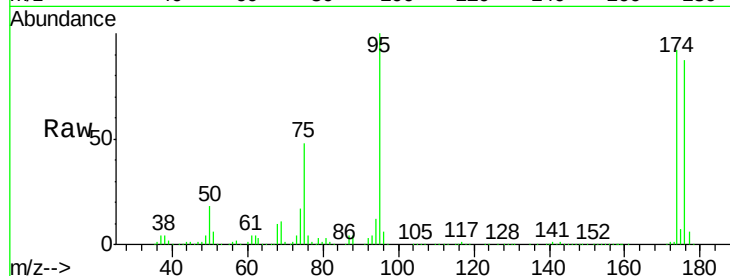
Tgt Ion: 95 Resp: 162665

Ion Ratio Lower Upper

95 100

174 102.6 0.0 202.0

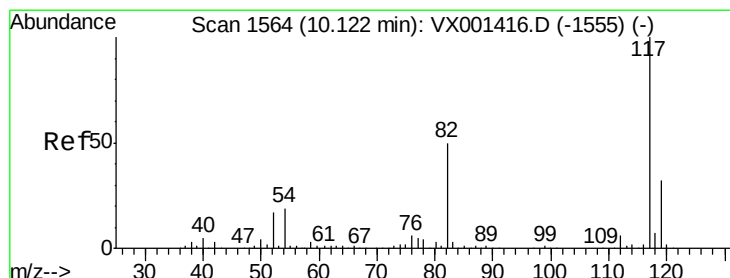
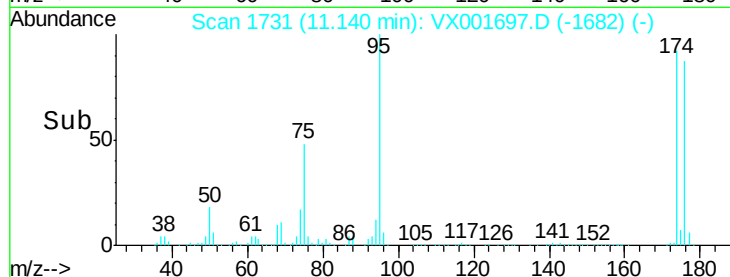
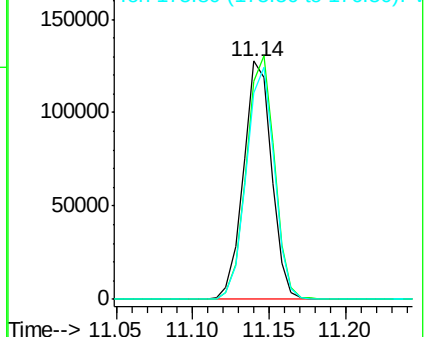
176 97.7 0.0 197.4



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. -0.01 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

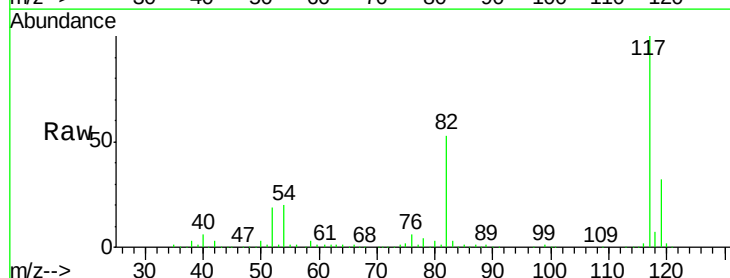
Tgt Ion: 117 Resp: 327078

Ion Ratio Lower Upper

117 100

82 52.8 40.0 60.0

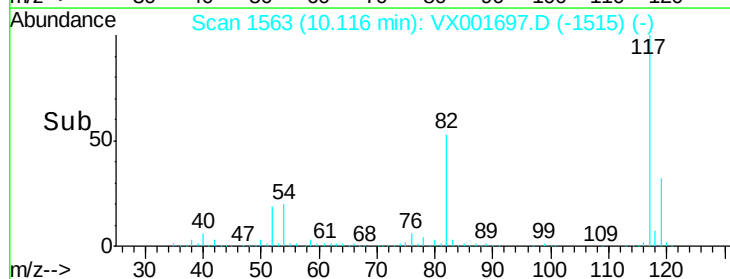
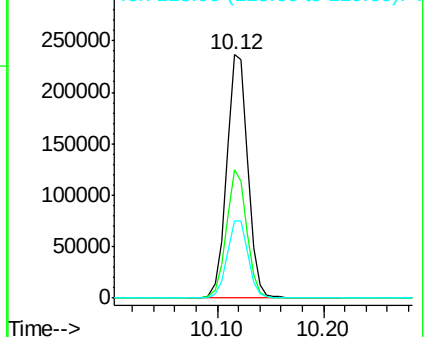
119 31.6 25.8 38.8

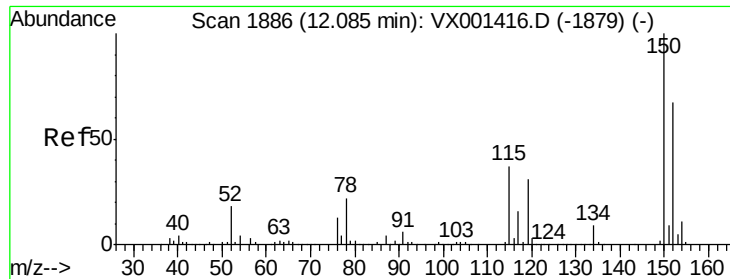


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

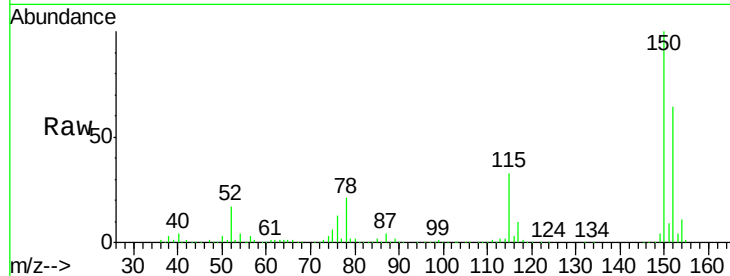
Tgt Ion:152 Resp: 175094

Ion Ratio Lower Upper

152 100

115 52.4 37.7 113.1

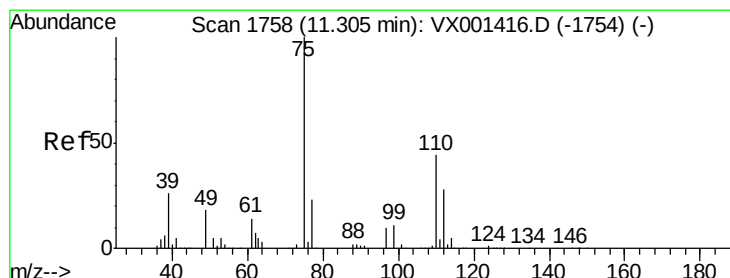
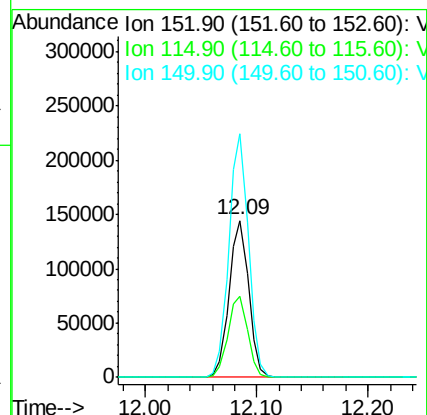
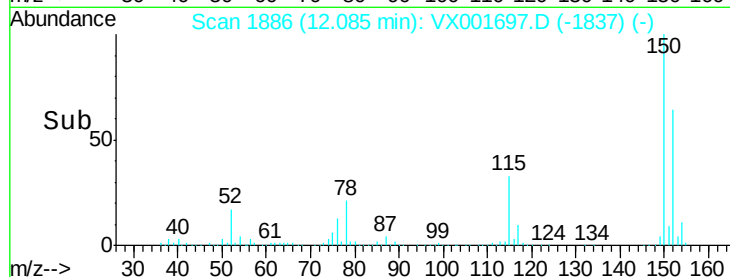
150 155.7 0.0 349.4



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: 21.94 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001697.D

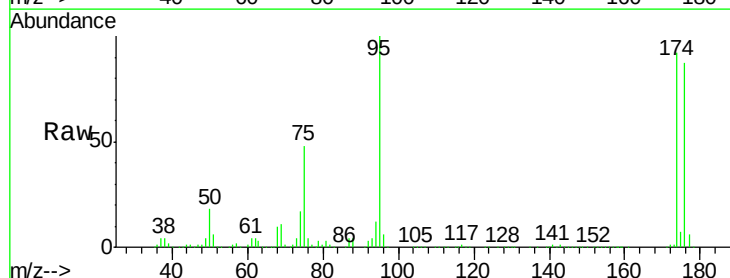
Acq: 13 May 2018 05:06

Tgt Ion: 75 Resp: 77897

Ion Ratio Lower Upper

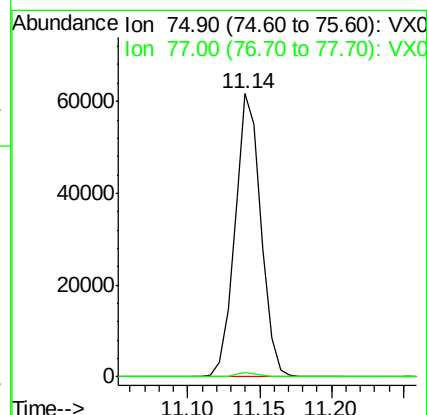
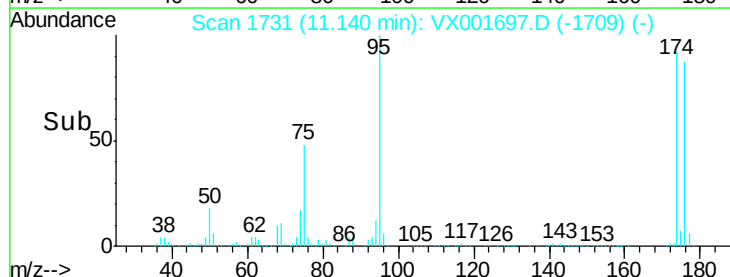
75 100

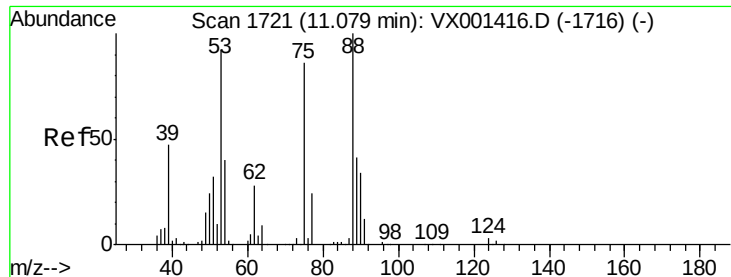
77 1.4 19.6 58.7#



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: 68.23 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001697.D

Acq: 13 May 2018 05:06

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#13

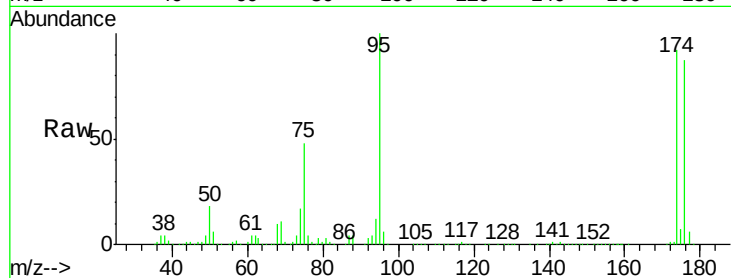
Tgt Ion: 75 Resp: 77897

Ion Ratio Lower Upper

75 100

53 0.2 84.5 126.7#

89 0.0 39.5 59.3#



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

