

Data File : VX001692.D
Acq On : 13 May 2018 02:54
Operator : JC/MD
Sample : PB109200ZHE#08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#08

Quant Time: May 14 06:10:35 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	269699	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	367415	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	324138	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	173438	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	178332	46.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.00%	
35) Dibromofluoromethane	5.51	113	142857	43.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.42%	
50) Toluene-d8	8.72	98	510493	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	
62) 4-Bromofluorobenzene	11.14	95	161224	35.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	70.42%	

Target Compounds				Qvalue		
5) Bromomethane	1.66	94	872	Below Cal		85
11) Tert butyl alcohol	3.03	59	1888	2.31 ug/l #		72
13) Acrolein	2.29	56	19	Below Cal #		1
16) Acetone	2.45	43	7328	4.16 ug/l		92
18) Methyl Acetate	2.78	43	23302	5.04 ug/l		97
20) Methylene Chloride	2.86	84	2412	0.69 ug/l		95
25) 2-Butanone	4.71	43	2207	0.87 ug/l		99
29) Tetrahydrofuran	5.18	42	466	0.29 ug/l #		88
31) Cyclohexane	5.67	56	4576	0.92 ug/l #		1
36) 1,1-Dichloropropene	5.67	75	16377	3.50 ug/l #		49
38) Carbon Tetrachloride	5.67	117	22562	4.53 ug/l #		17
76) 1,2,3-Trichloropropane	11.14	75	78846	22.42 ug/l #		38
81) trans-1,4-Dichloro-2-buten	11.14	75	78846	69.63 ug/l #		7

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

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ALS Vial : 36 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#08

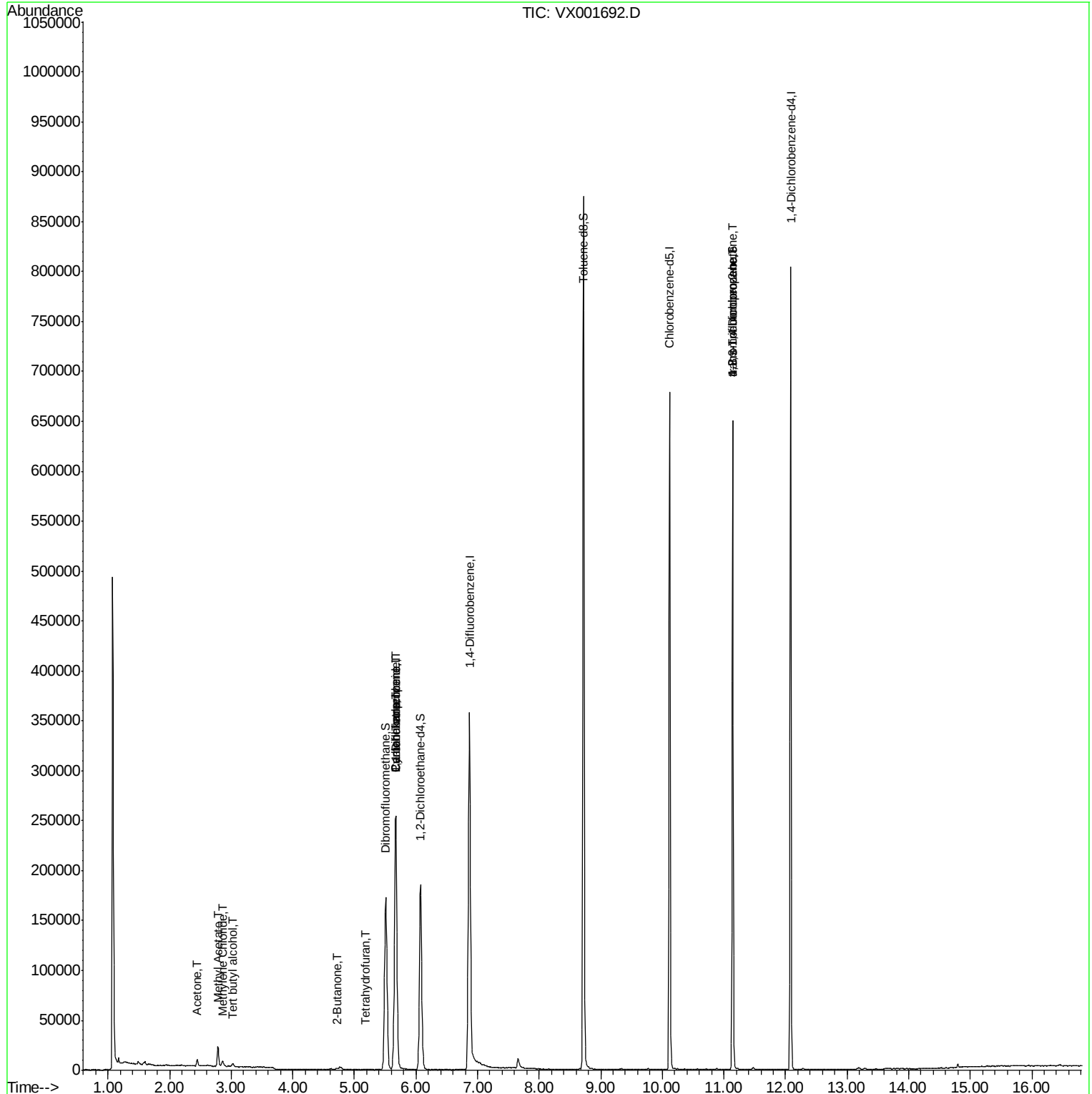
Quant Time: May 14 06:10:35 2018

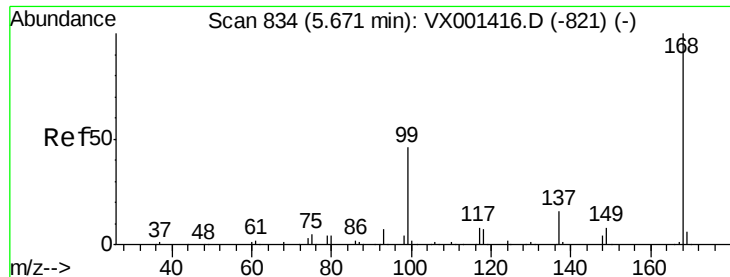
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050518W.M

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: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

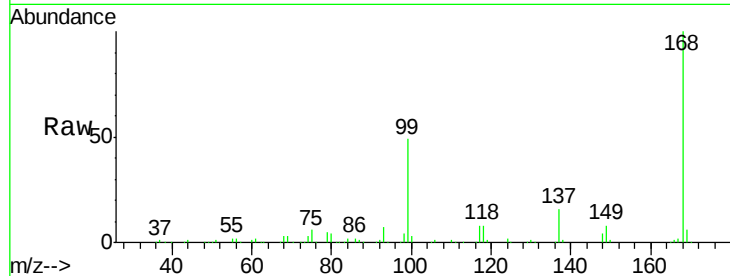
PB109200ZHE#08

Tgt Ion:168 Resp: 269699

Ion Ratio Lower Upper

168 100

99 49.2 36.6 54.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

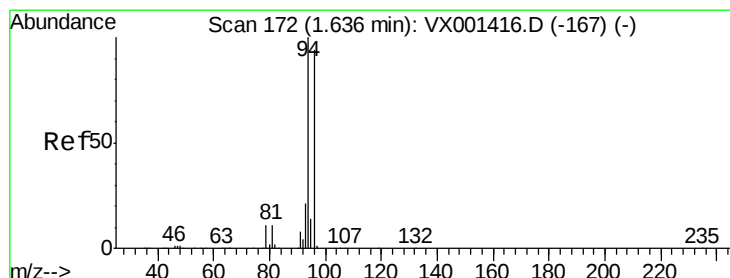
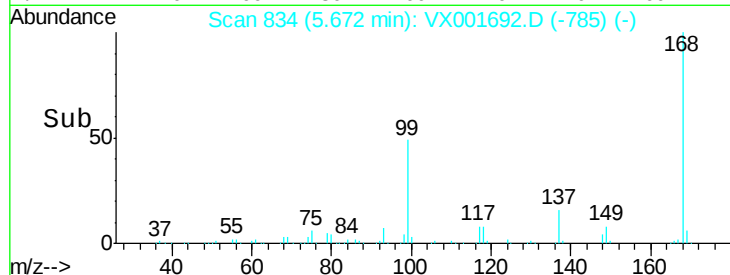
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001692.D

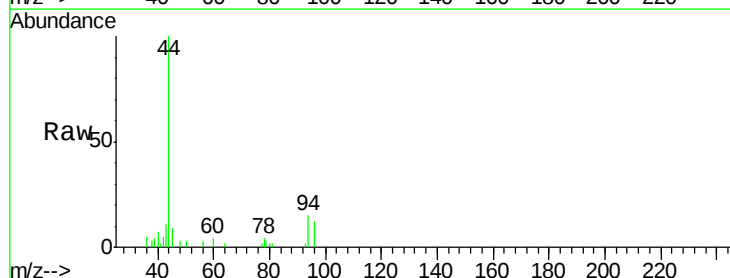
Acq: 13 May 2018 02:54

Tgt Ion: 94 Resp: 872

Ion Ratio Lower Upper

94 100

96 79.0 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.66

500

400

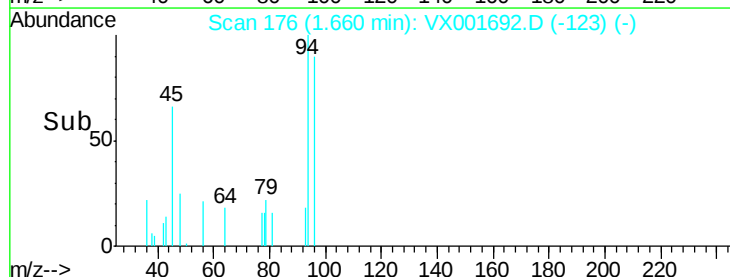
300

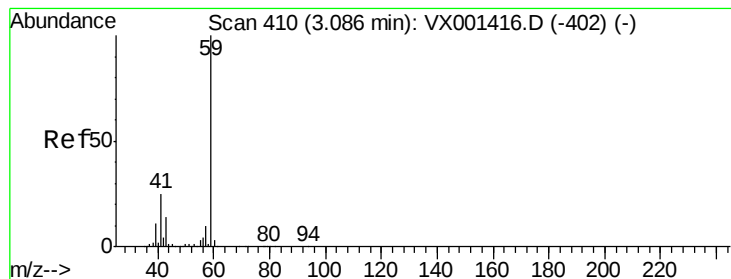
200

100

0

Time--> 1.60 1.65 1.70





#11

Tert butyl alcohol

Concen: 2.31 ug/l

RT: 3.03 min Scan# 400

Delta R.T. -0.06 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

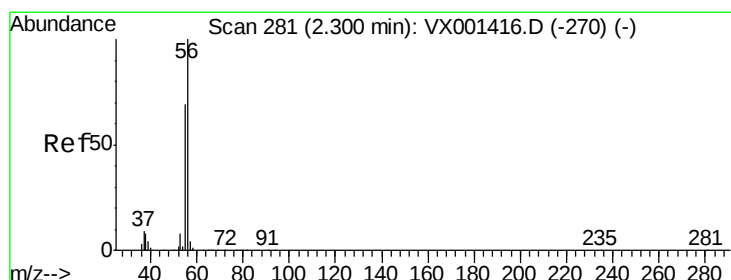
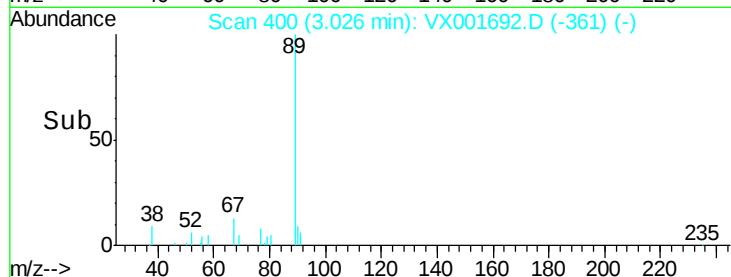
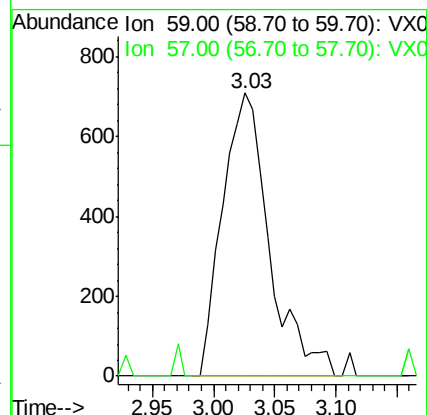
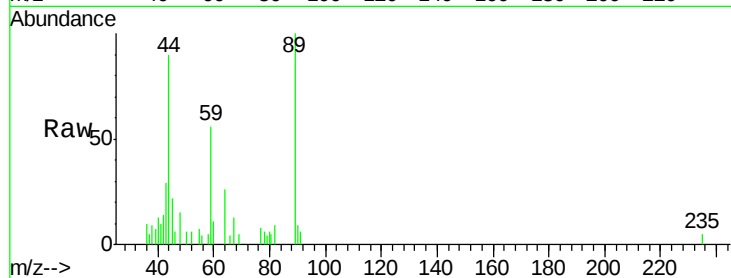
PB109200ZHE#08

Tgt Ion: 59 Resp: 1888

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.4#



#13

Acrolein

Concen: Below Cal

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX001692.D

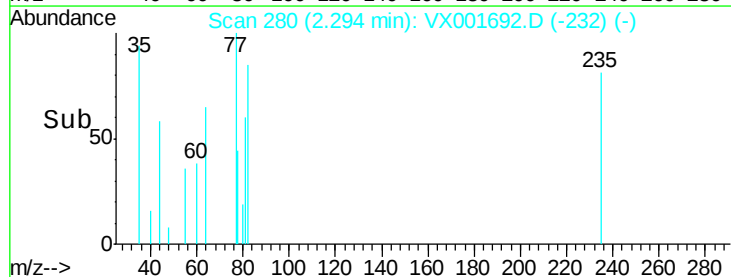
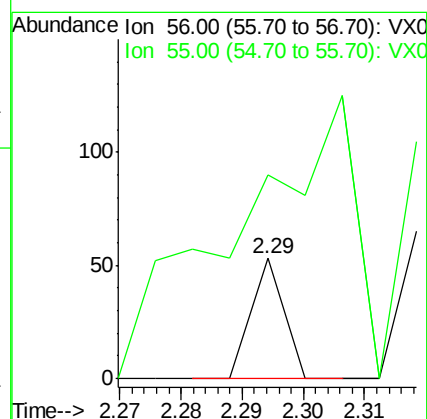
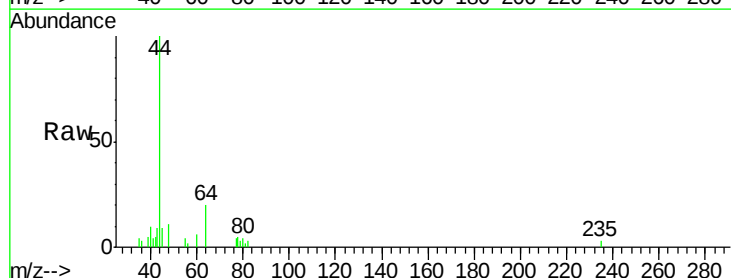
Acq: 13 May 2018 02:54

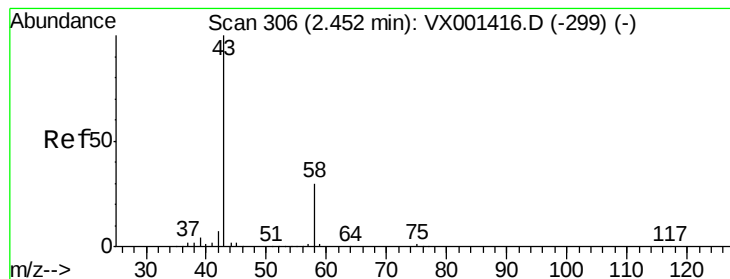
Tgt Ion: 56 Resp: 19

Ion Ratio Lower Upper

56 100

55 989.5 54.5 81.7#





#16

Acetone

Concen: 4.16 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

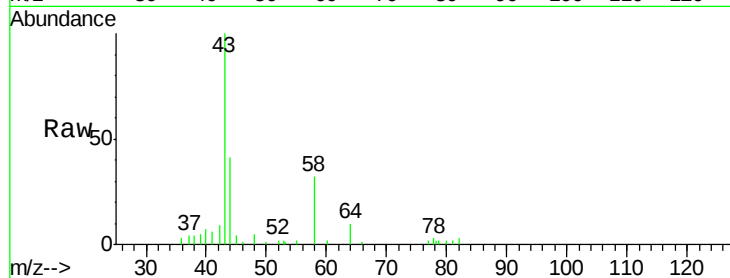
PB109200ZHE#08

Tgt Ion: 43 Resp: 7328

Ion Ratio Lower Upper

43 100

58 34.0 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

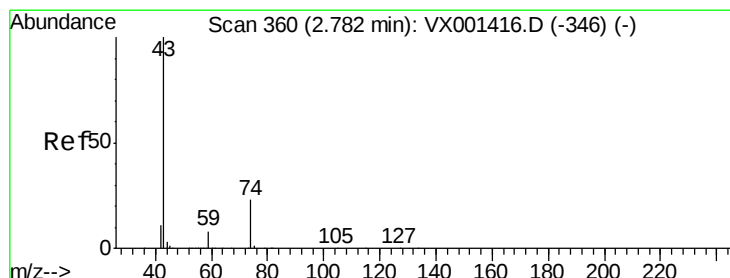
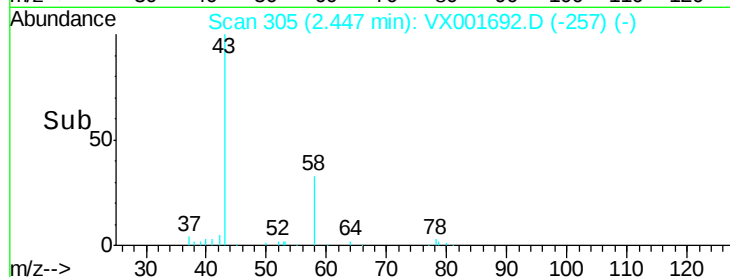
2000

1000

0

Time-->

2.40 2.45 2.50 2.55



#18

Methyl Acetate

Concen: 5.04 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001692.D

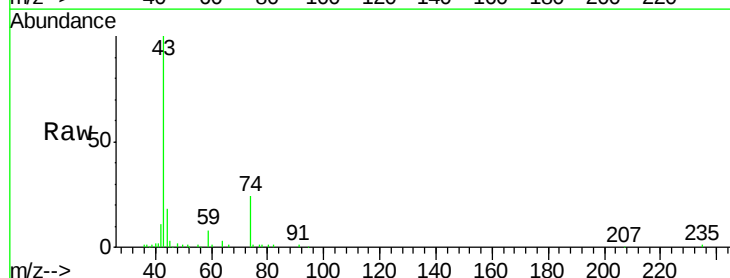
Acq: 13 May 2018 02:54

Tgt Ion: 43 Resp: 23302

Ion Ratio Lower Upper

43 100

74 24.4 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

15000

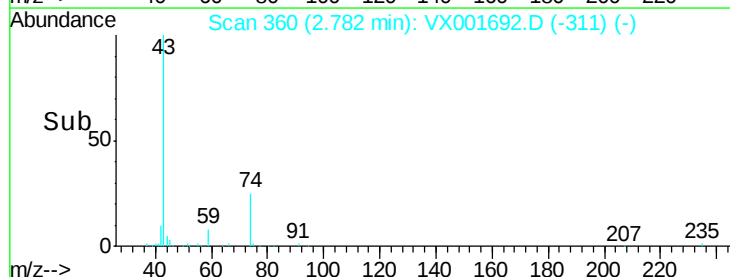
10000

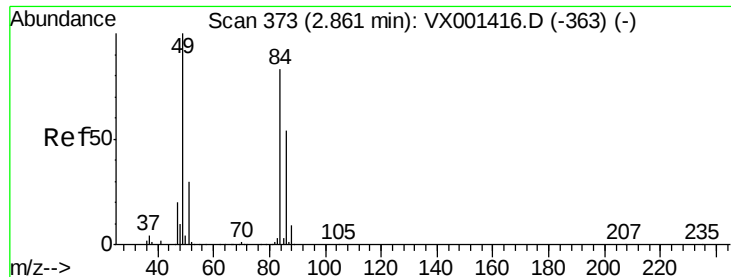
5000

0

Time-->

2.70 2.75 2.80 2.85

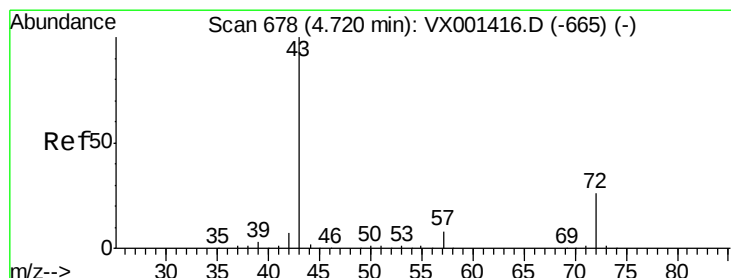
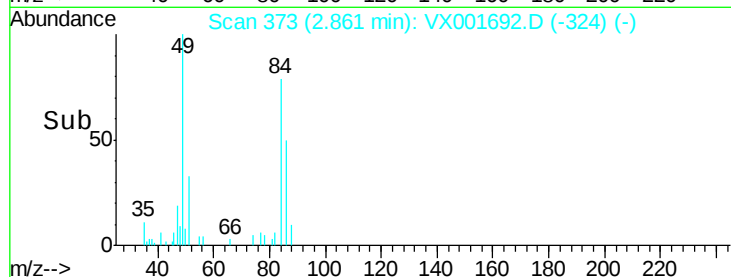
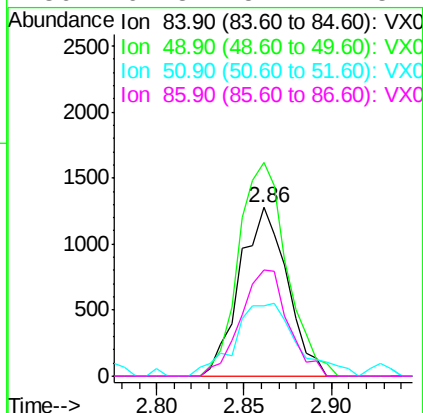
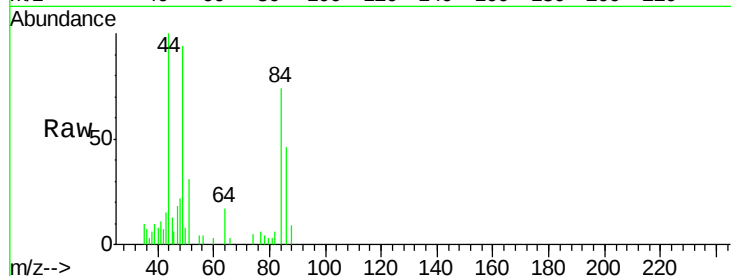




#20
Methylene Chloride
Concen: 0.69 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

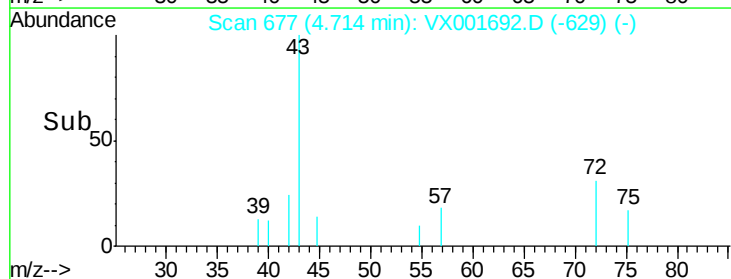
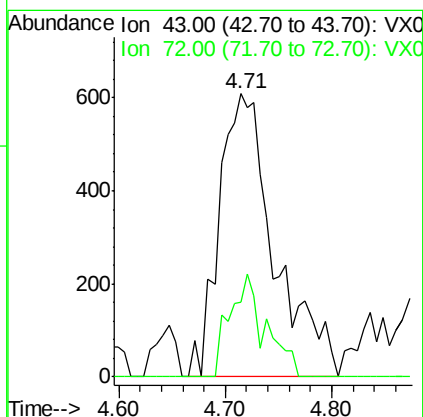
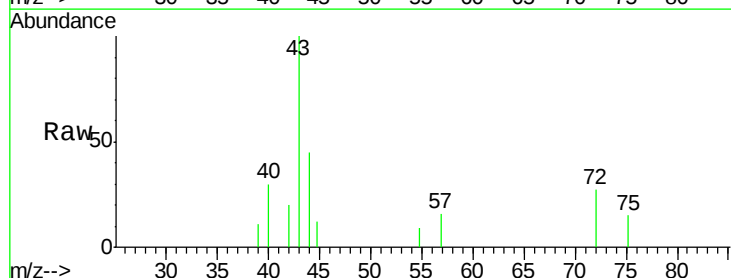
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#08

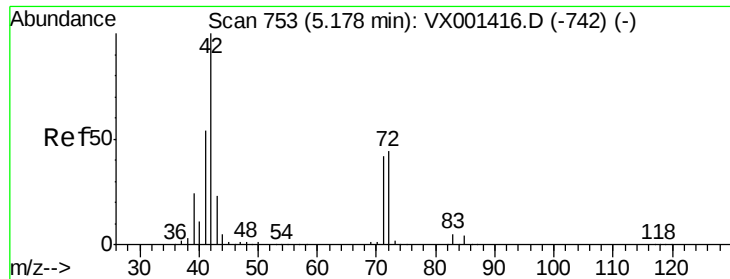
Tgt Ion:	84	Resp:	2412
Ion	Ratio	Lower	Upper
84	100		
49	126.6	96.6	144.8
51	41.3	29.0	43.4
86	62.8	52.2	78.4



#25
2-Butanone
Concen: 0.87 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

Tgt Ion:	43	Resp:	2207
Ion	Ratio	Lower	Upper
43	100		
72	26.6	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.29 ug/l

RT: 5.18 min Scan# 753

Delta R.T. 0.00 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#08

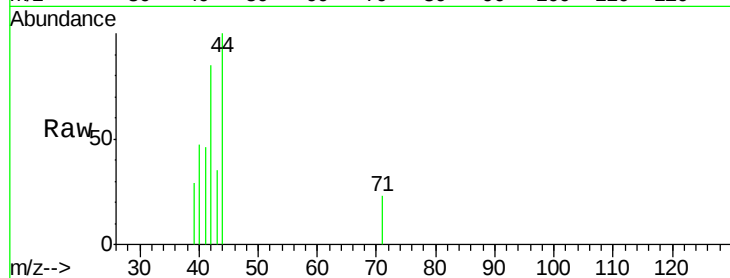
Tgt Ion: 42 Resp: 466

Ion Ratio Lower Upper

42 100

72 38.4 35.4 53.2

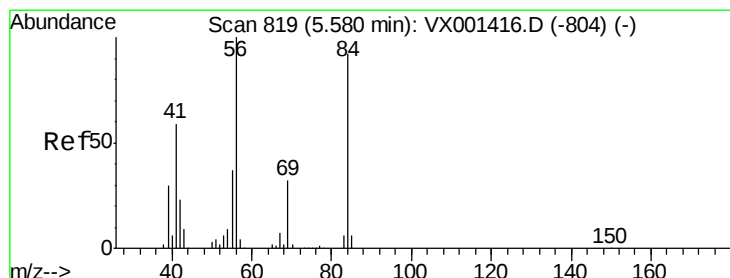
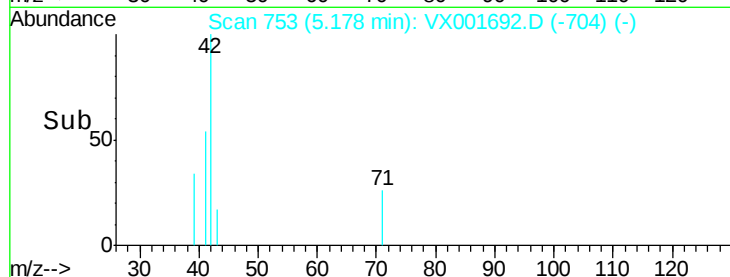
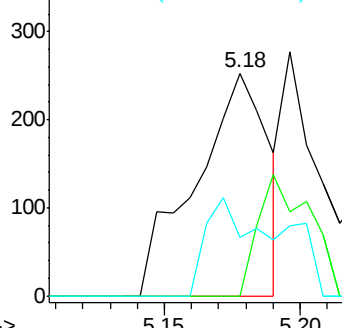
71 31.5 33.0 49.4#



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



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

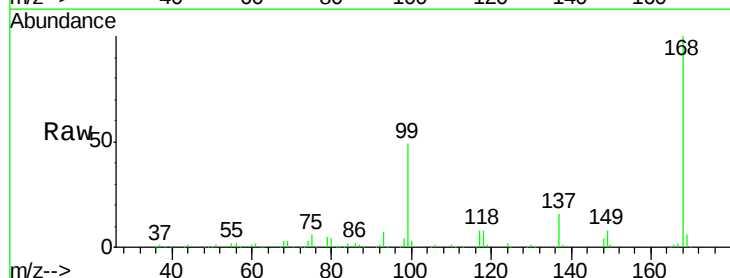
Tgt Ion: 56 Resp: 4576

Ion Ratio Lower Upper

56 100

69 198.7 25.4 38.0#

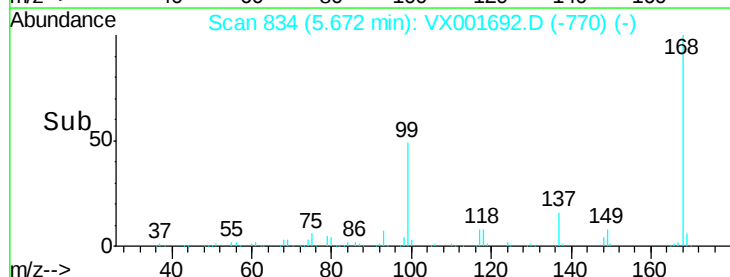
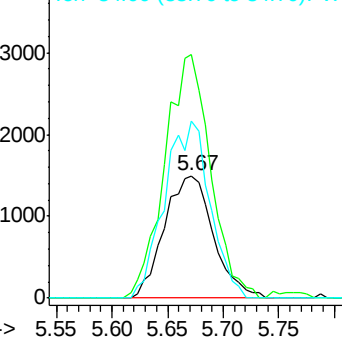
84 144.1 73.8 110.8#

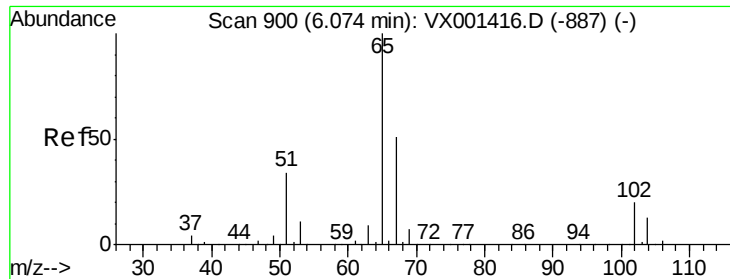


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

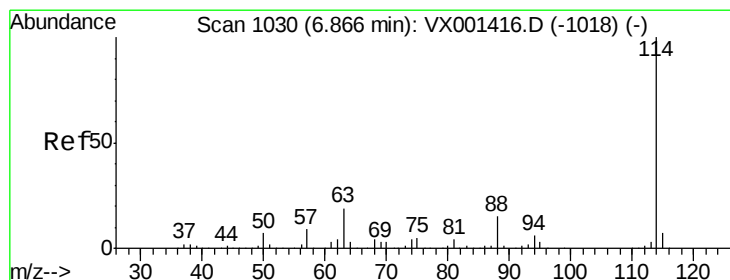
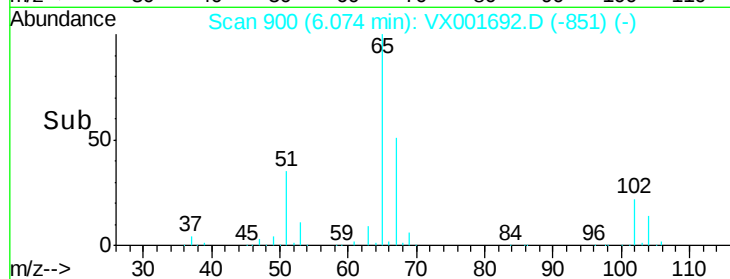
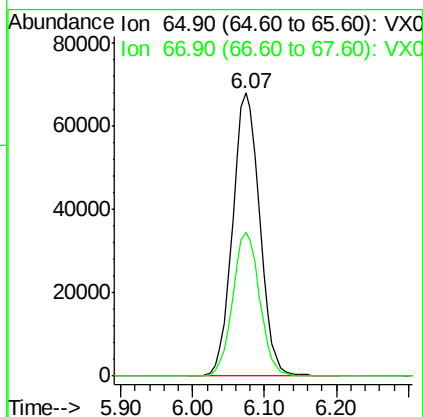
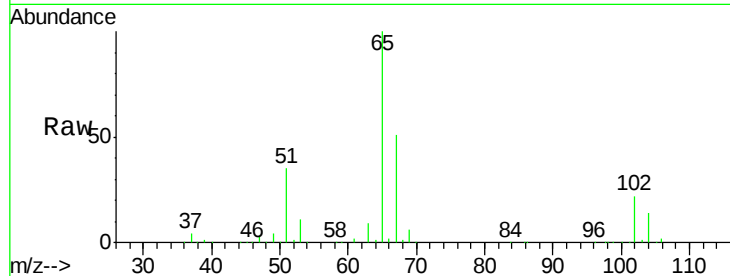




#33
 1,2-Dichloroethane-d4
 Concen: 46.00 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001692.D
 Acq: 13 May 2018 02:54

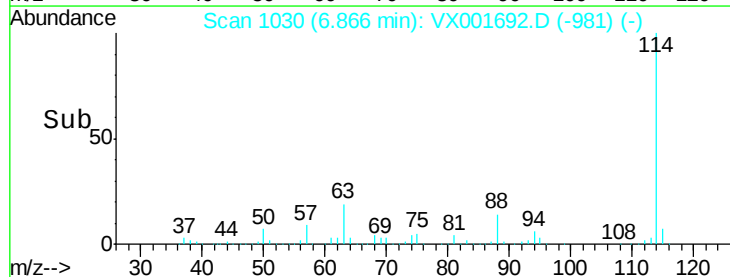
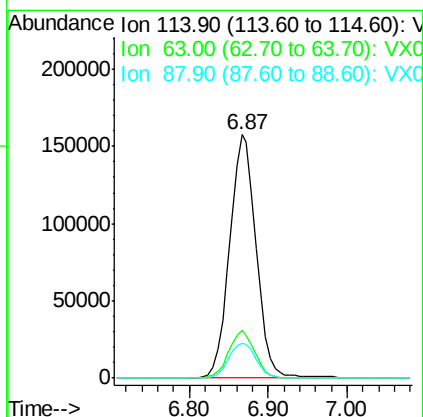
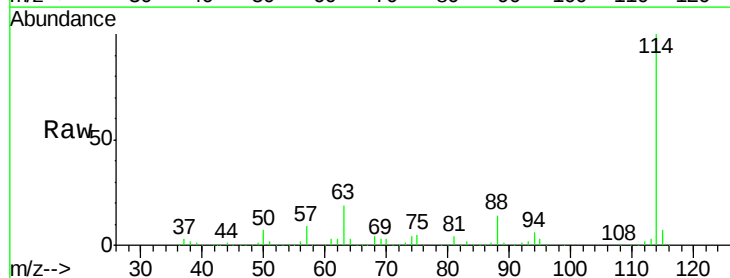
Instrument :
 MSVOA_X
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 PB109200ZHE#08

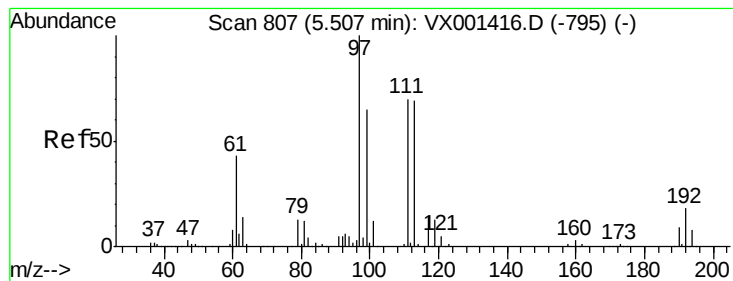
Tgt Ion: 65 Resp: 178332
 Ion Ratio Lower Upper
 65 100
 67 50.6 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001692.D
 Acq: 13 May 2018 02:54

Tgt Ion: 114 Resp: 367415
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 38.6
 88 14.5 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.71 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#08

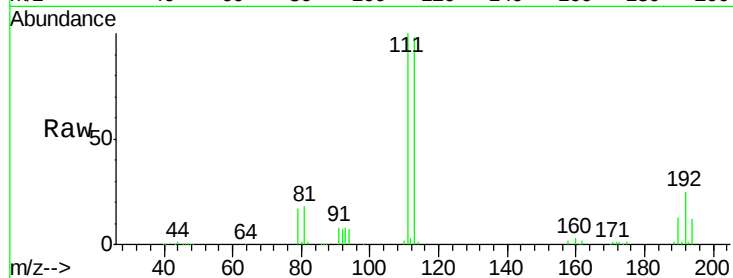
Tgt Ion:113 Resp: 142857

Ion Ratio Lower Upper

113 100

111 102.4 82.2 123.2

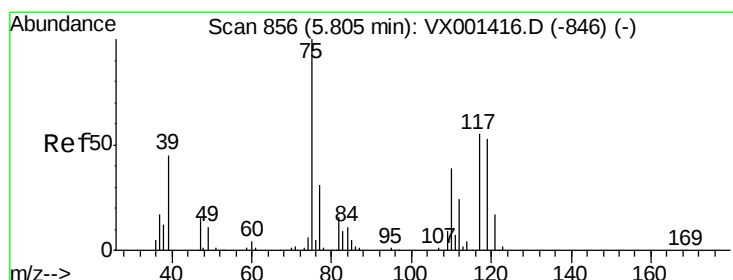
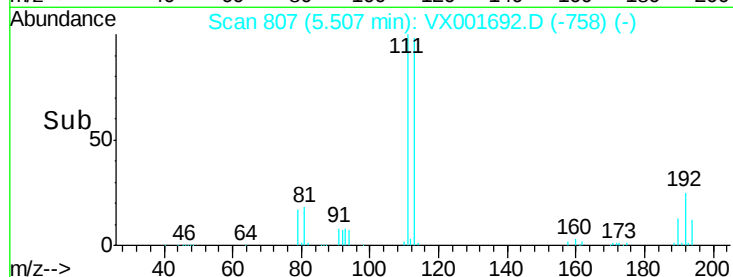
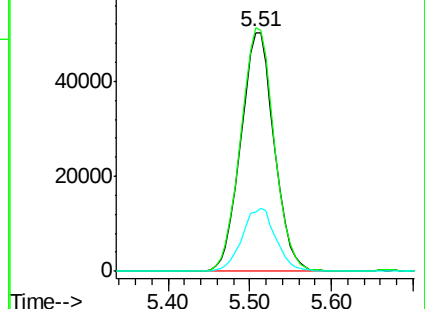
192 26.6 21.4 32.0



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: 3.50 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

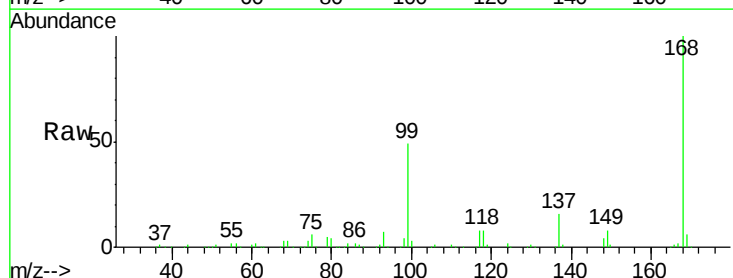
Tgt Ion: 75 Resp: 16377

Ion Ratio Lower Upper

75 100

110 10.3 18.9 56.7#

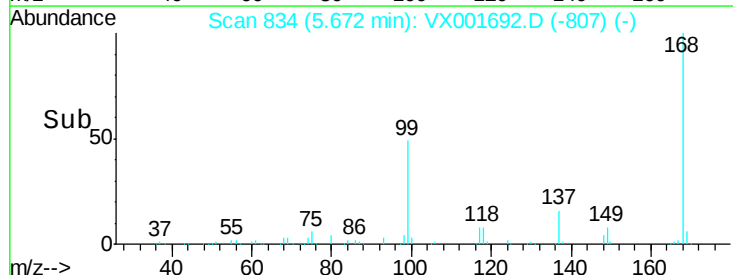
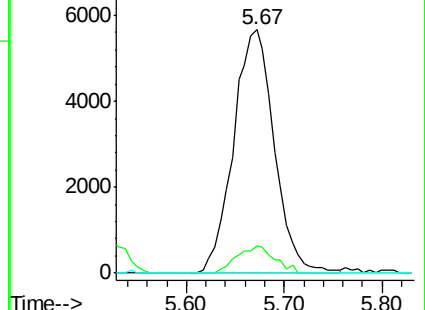
77 0.0 24.9 37.3#

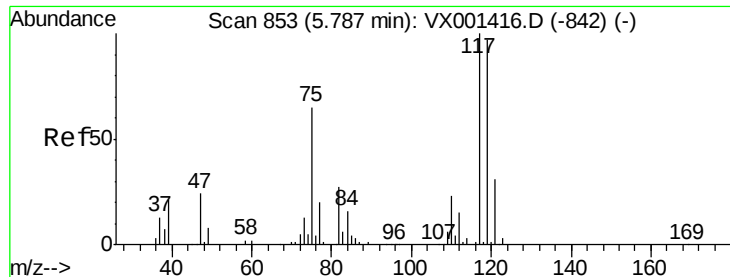


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

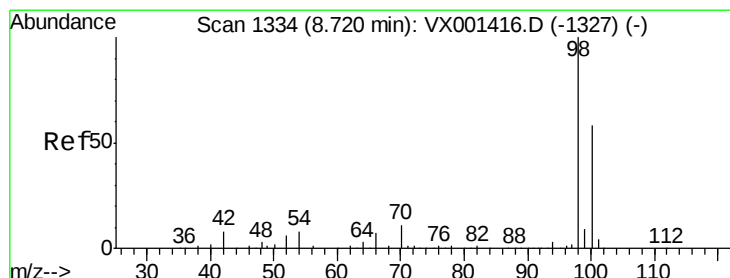
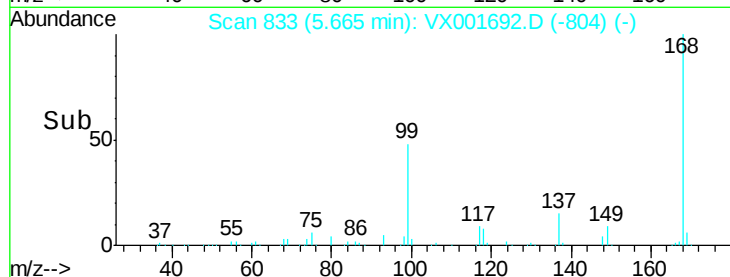
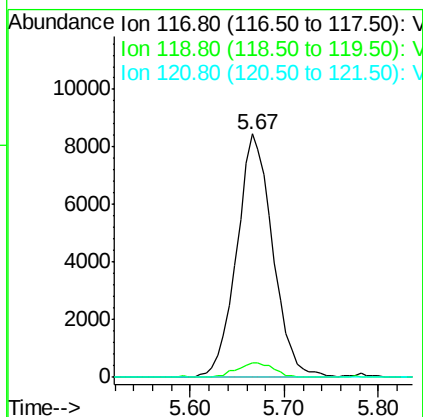
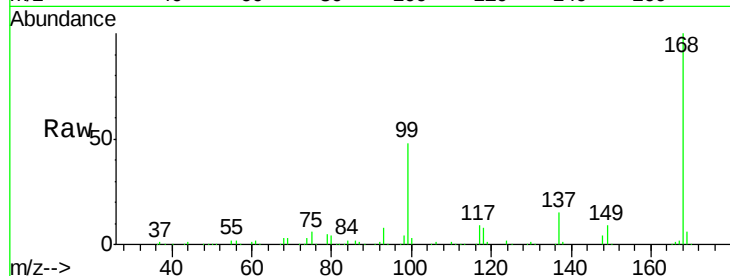




#38
Carbon Tetrachloride
Concen: 4.53 ug/l
RT: 5.67 min Scan# 833
Delta R.T. -0.12 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

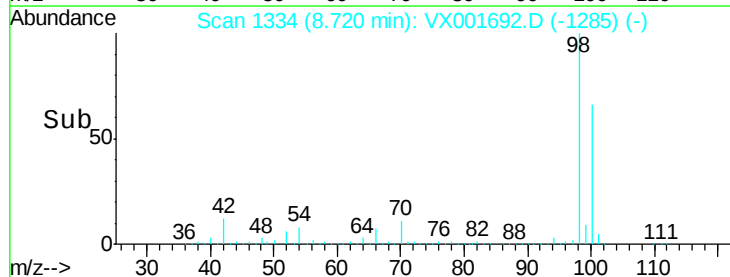
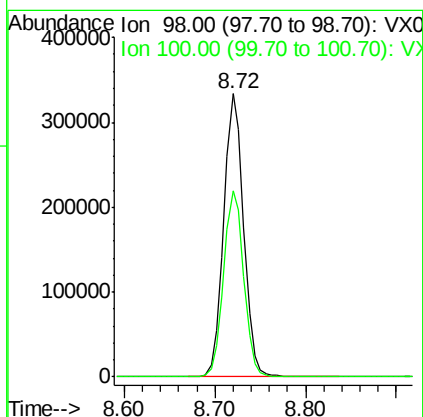
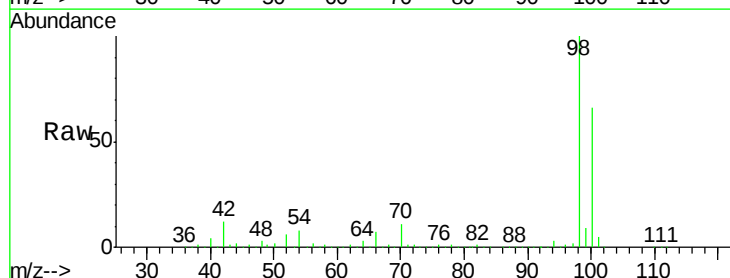
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#08

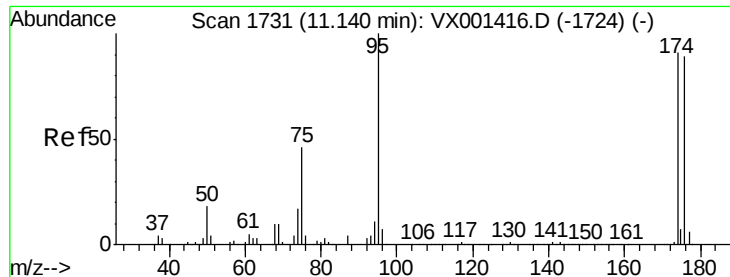
Tgt Ion: 117 Resp: 22562
Ion Ratio Lower Upper
117 100
119 6.1 77.0 115.6#
121 0.0 25.1 37.7#



#50
Toluene-d8
Concen: 42.79 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

Tgt Ion: 98 Resp: 510493
Ion Ratio Lower Upper
98 100
100 66.5 54.0 81.0

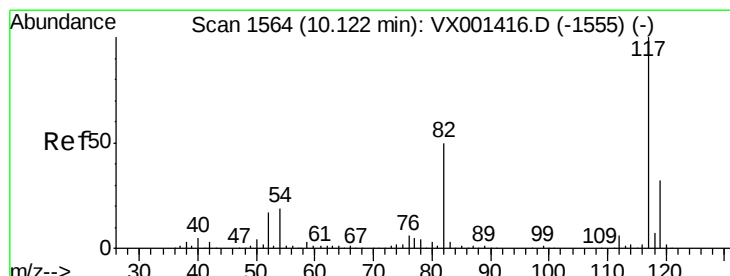
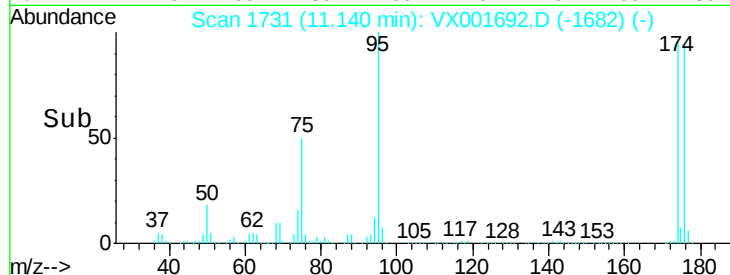
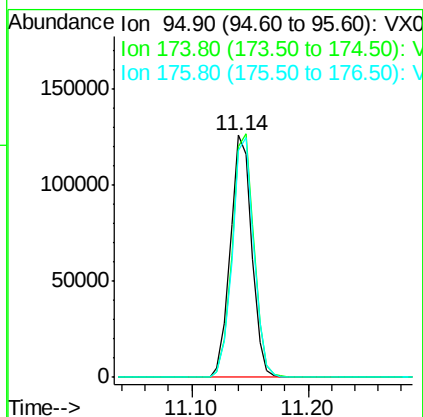
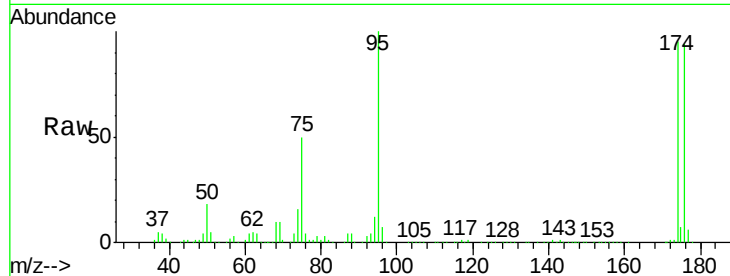




#62
4-Bromofluorobenzene
Concen: 35.21 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

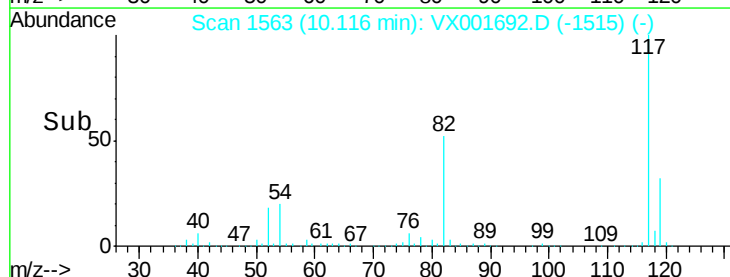
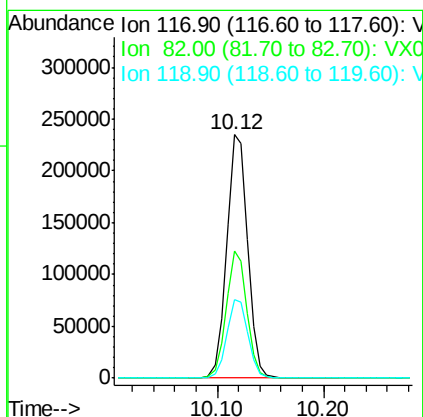
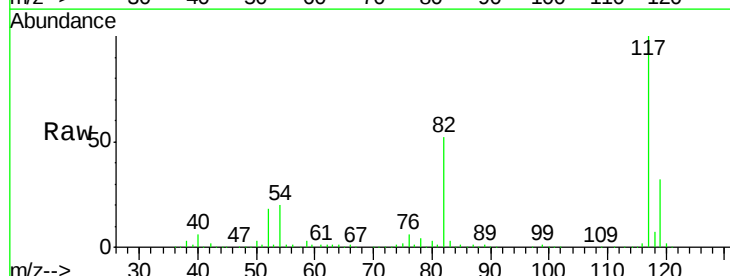
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#08

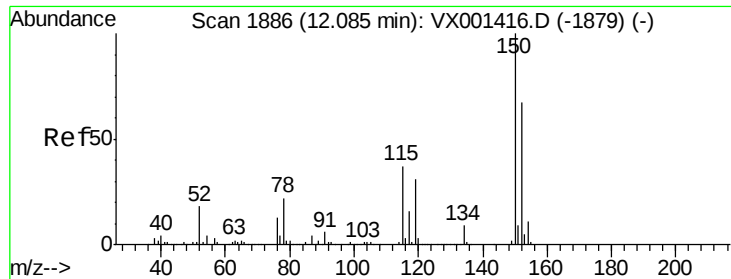
Tgt Ion: 95 Resp: 161224
Ion Ratio Lower Upper
95 100
174 102.4 0.0 202.0
176 99.1 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001692.D
Acq: 13 May 2018 02:54

Tgt Ion: 117 Resp: 324138
Ion Ratio Lower Upper
117 100
82 52.3 40.0 60.0
119 32.4 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#08

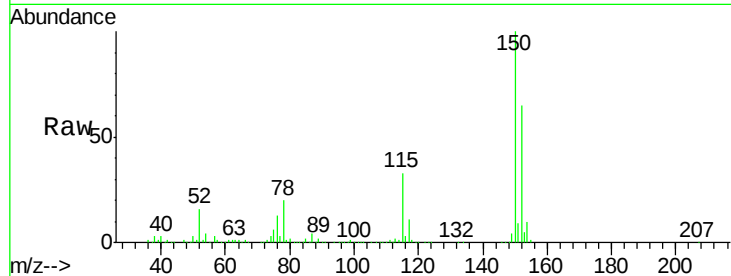
Tgt Ion:152 Resp: 173438

Ion Ratio Lower Upper

152 100

115 51.9 37.7 113.1

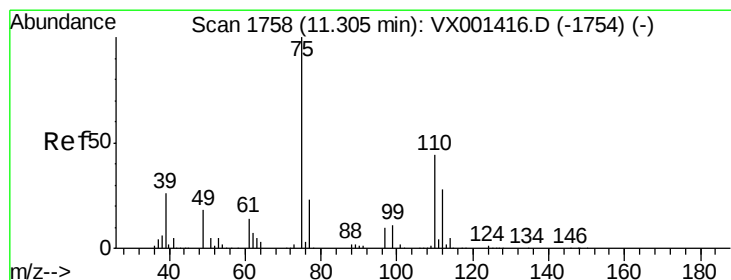
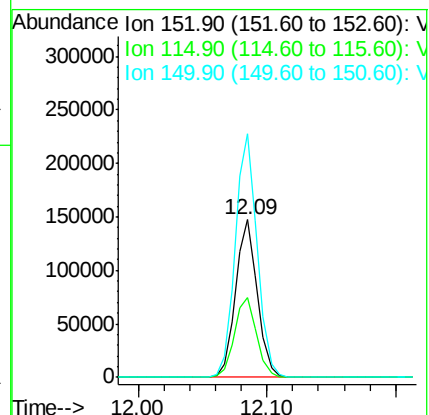
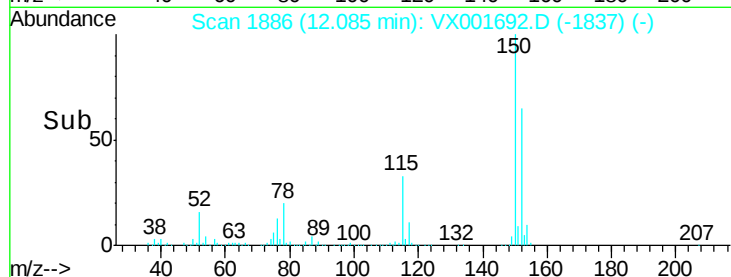
150 156.4 0.0 349.4



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: 22.42 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001692.D

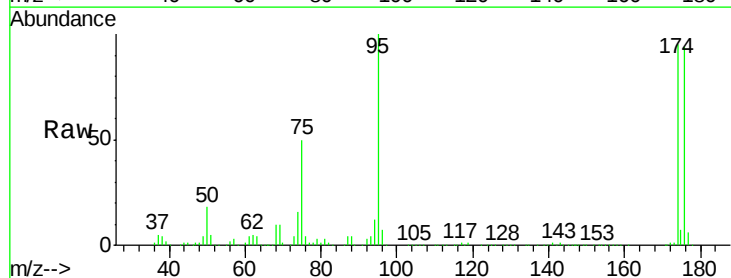
Acq: 13 May 2018 02:54

Tgt Ion: 75 Resp: 78846

Ion Ratio Lower Upper

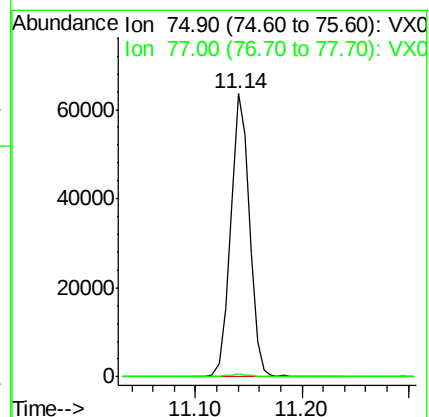
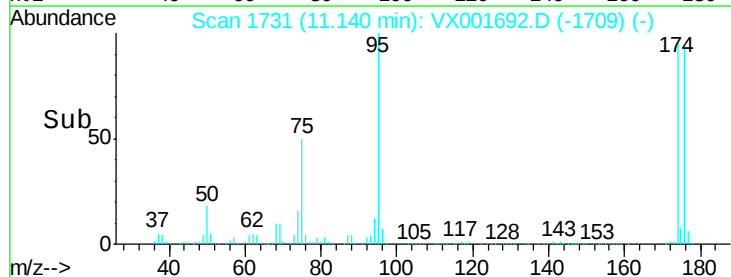
75 100

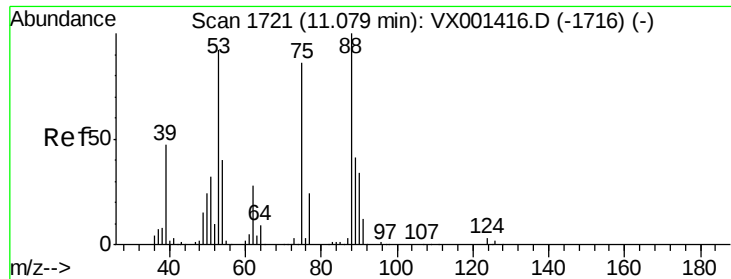
77 1.1 19.6 58.7#



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: 69.63 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001692.D

Acq: 13 May 2018 02:54

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#08

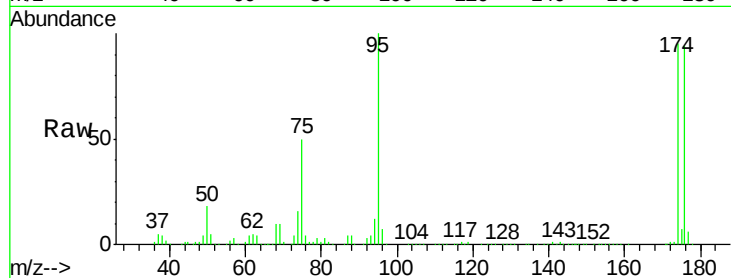
Tgt Ion: 75 Resp: 78846

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

89 0.1 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

