

Data File : VX001700.D
Acq On : 13 May 2018 06:26
Operator : JC/MD
Sample : PB109200ZHE#16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#16

Quant Time: May 14 06:12:54 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	276143	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	375755	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	327297	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	174562	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	182811	46.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.12%	
35) Dibromofluoromethane	5.51	113	147088	44.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.02%	
50) Toluene-d8	8.72	98	524686	43.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.02%	
62) 4-Bromofluorobenzene	11.14	95	163365	34.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	69.76%	

Target Compounds				Qvalue		
5) Bromomethane	1.65	94	591	Below Cal		83
11) Tert butyl alcohol	3.01	59	2011	2.40 ug/l	#	76
13) Acrolein	2.32	56	95	Below Cal	#	16
16) Acetone	2.45	43	7375	4.09 ug/l		96
18) Methyl Acetate	2.78	43	23124	4.88 ug/l		97
20) Methylene Chloride	2.86	84	2758	0.77 ug/l		96
25) 2-Butanone	4.71	43	2190	0.84 ug/l		90
29) Tetrahydrofuran	5.19	42	469	0.28 ug/l	#	78
31) Cyclohexane	5.67	56	4594	0.90 ug/l	#	1
36) 1,1-Dichloropropene	5.67	75	16229	3.40 ug/l	#	50
38) Carbon Tetrachloride	5.67	117	23280	4.57 ug/l	#	17
54) cis-1,3-Dichloropropene	9.24	75	21	2.27 ug/l	#	34
76) 1,2,3-Trichloropropane	11.14	75	79020	22.32 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	79020	69.35 ug/l	#	7

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

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Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#16

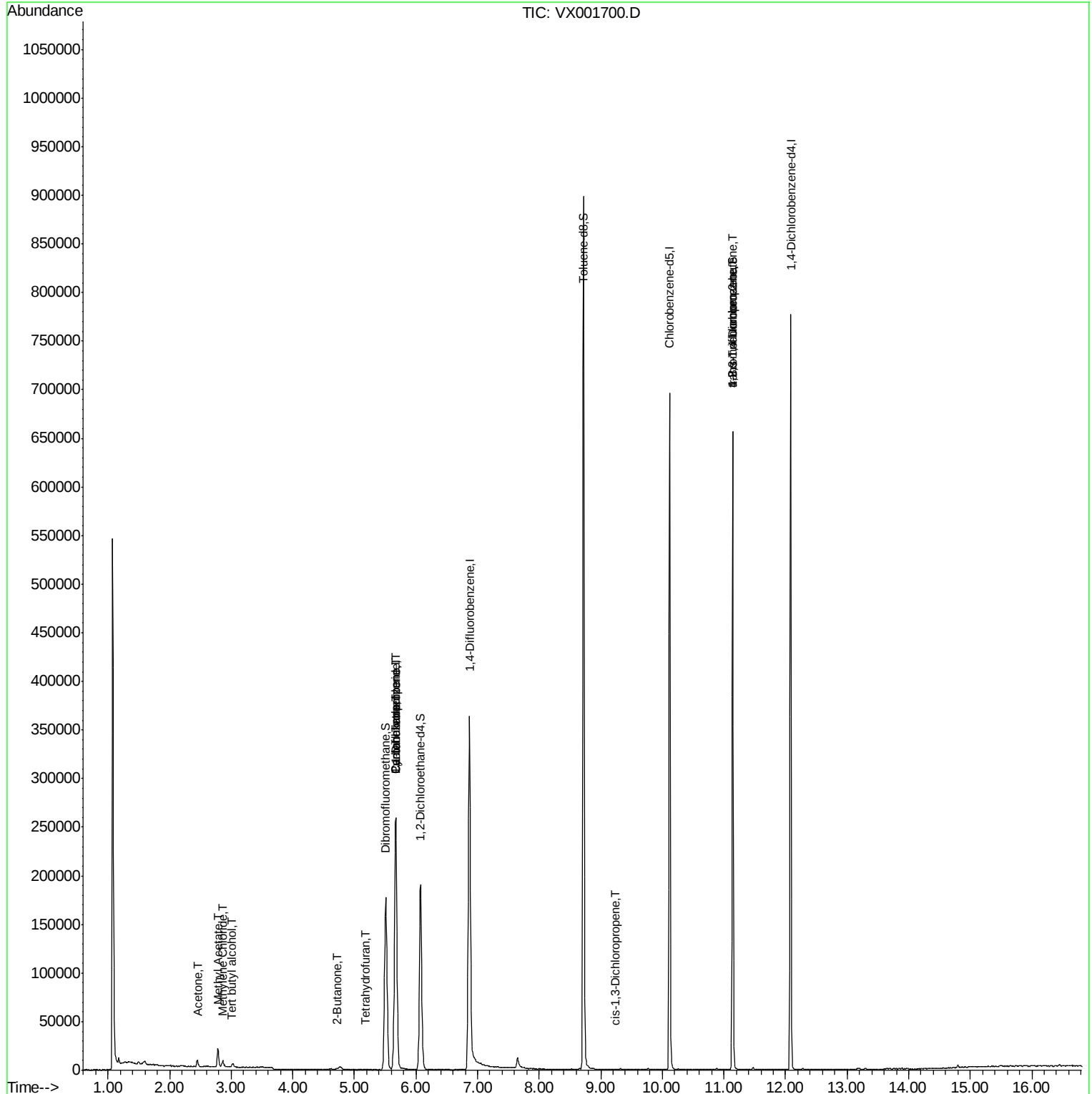
Quant Time: May 14 06:12:54 2018

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: VX001700.D

Acq: 13 May 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

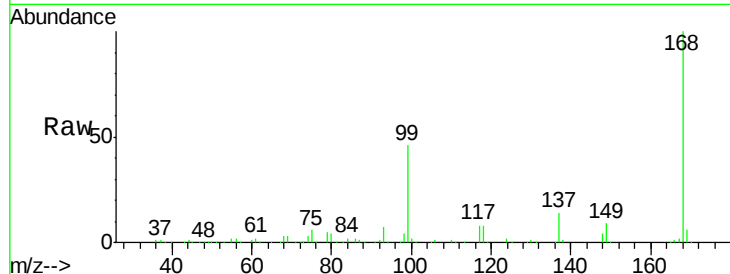
PB109200ZHE#16

Tgt Ion: 168 Resp: 276143

Ion Ratio Lower Upper

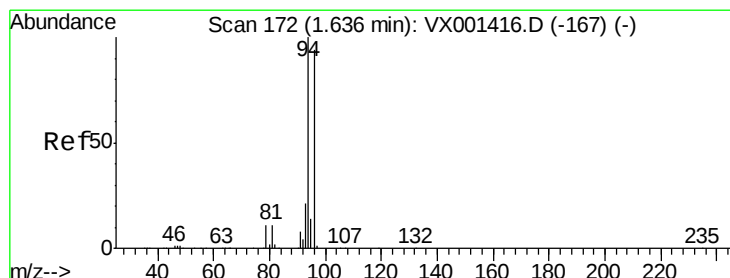
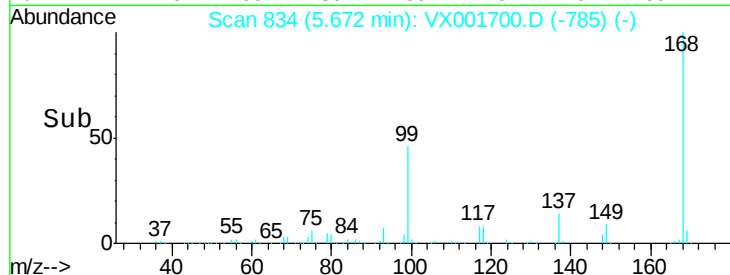
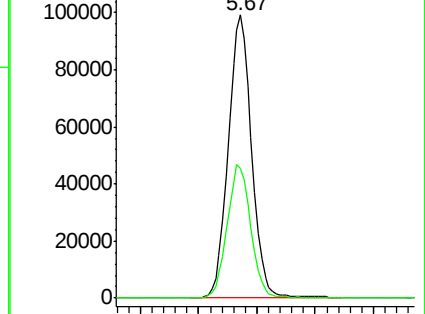
168 100

99 45.6 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: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001700.D

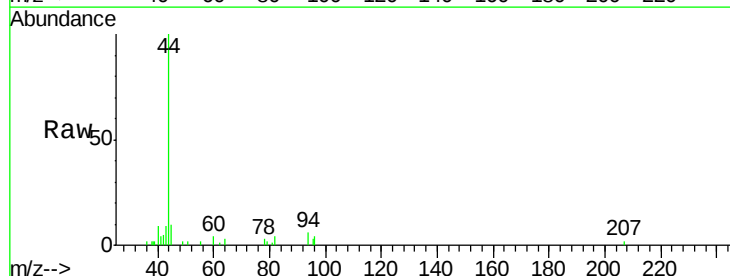
Acq: 13 May 2018 06:26

Tgt Ion: 94 Resp: 591

Ion Ratio Lower Upper

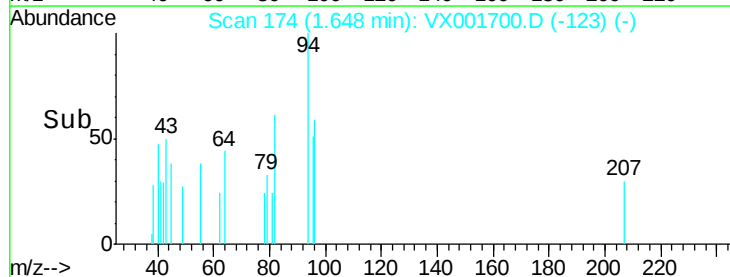
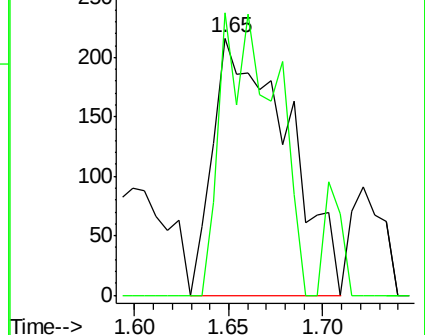
94 100

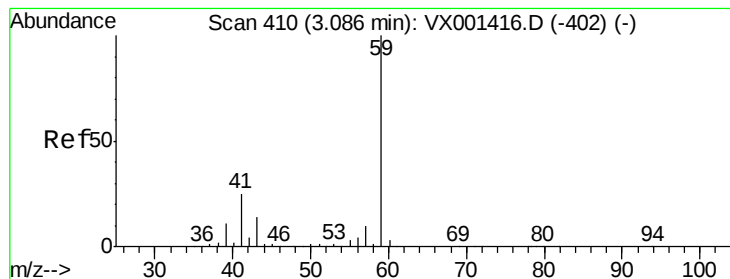
96 110.2 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



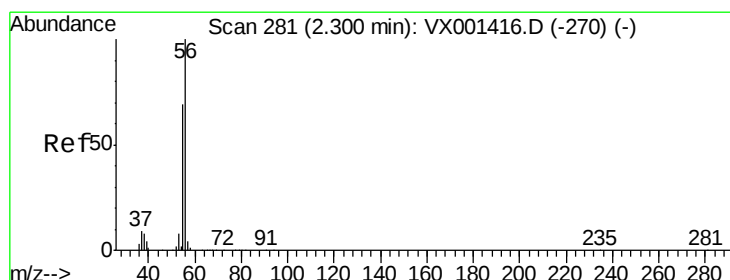
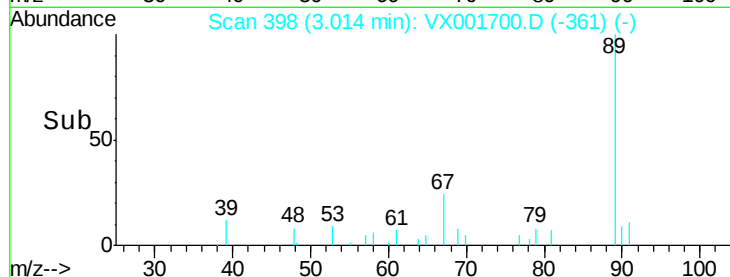
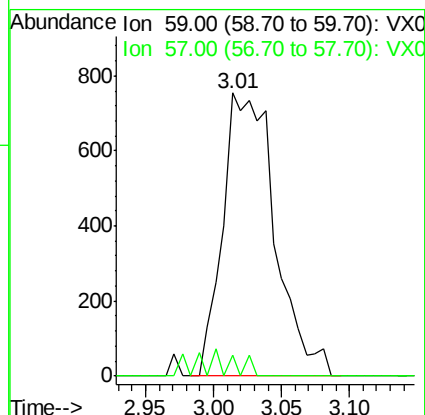
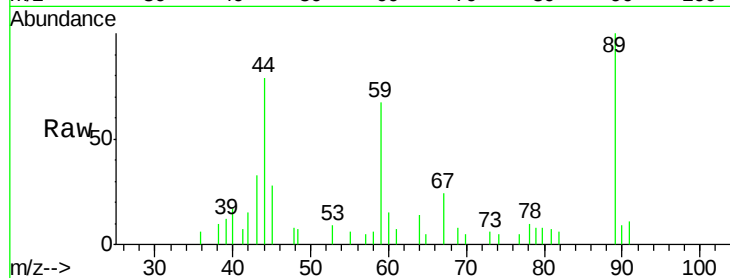


#11

Tert butyl alcohol
 Concen: 2.40 ug/l
 RT: 3.01 min Scan# 398
 Delta R.T. -0.07 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#16

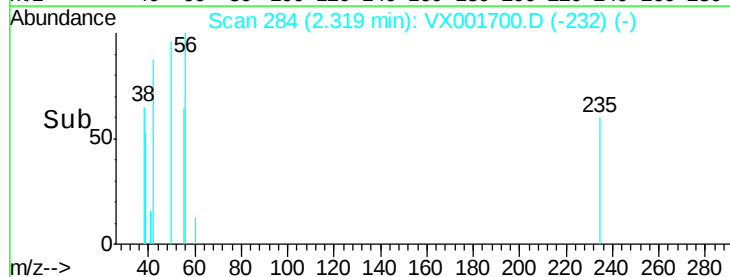
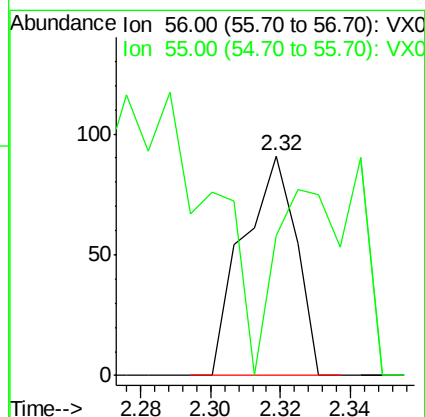
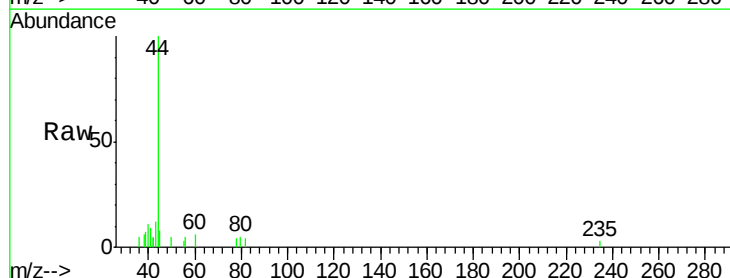
Tgt Ion: 59 Resp: 2011
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.2 12.4#

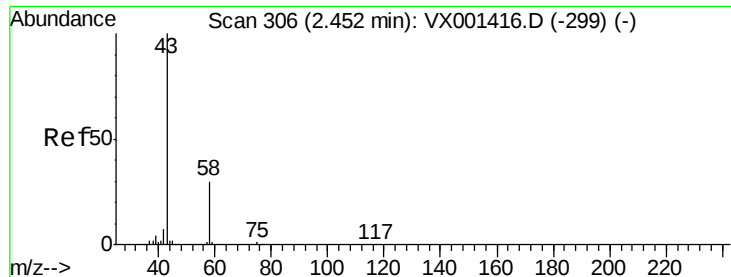


#13

Acrolein
 Concen: Below Cal
 RT: 2.32 min Scan# 284
 Delta R.T. 0.02 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

Tgt Ion: 56 Resp: 95
 Ion Ratio Lower Upper
 56 100
 55 0.0 54.5 81.7#





#16

Acetone

Concen: 4.09 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

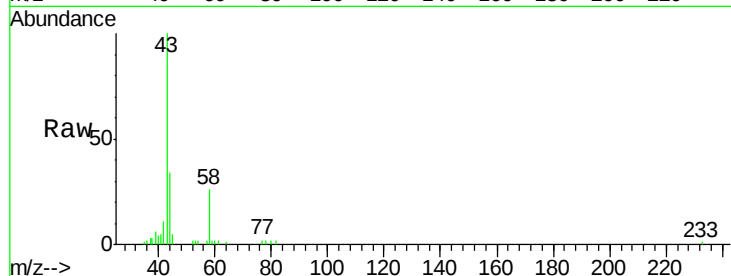
PB109200ZHE#16

Tgt Ion: 43 Resp: 7375

Ion Ratio Lower Upper

43 100

58 27.6 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

5000

4000

3000

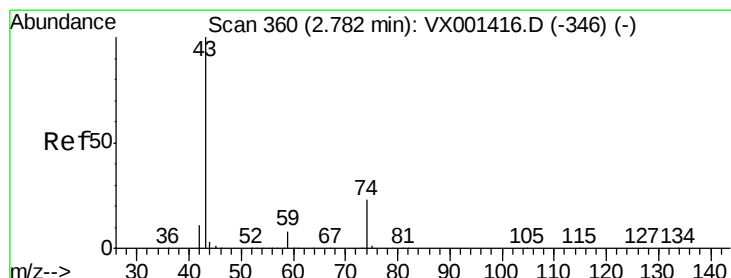
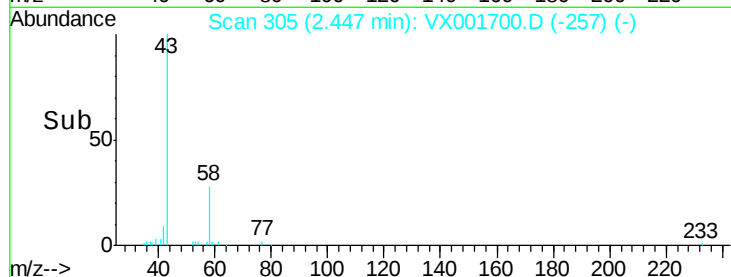
2000

1000

0

Time-->

2.40 2.50



#18

Methyl Acetate

Concen: 4.88 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001700.D

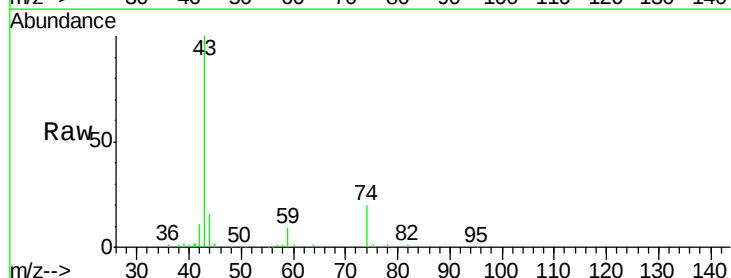
Acq: 13 May 2018 06:26

Tgt Ion: 43 Resp: 23124

Ion Ratio Lower Upper

43 100

74 22.0 18.6 27.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

15000

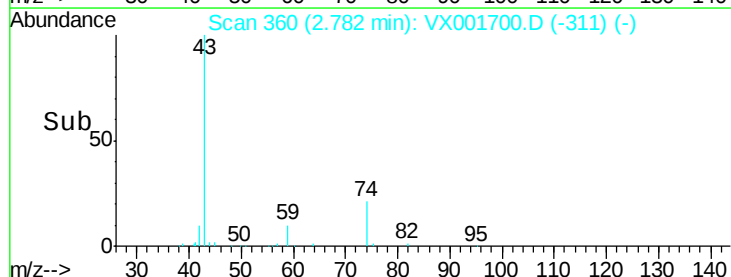
10000

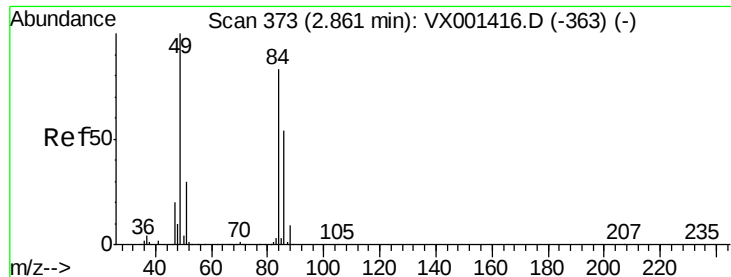
5000

0

Time-->

2.70 2.80 2.90

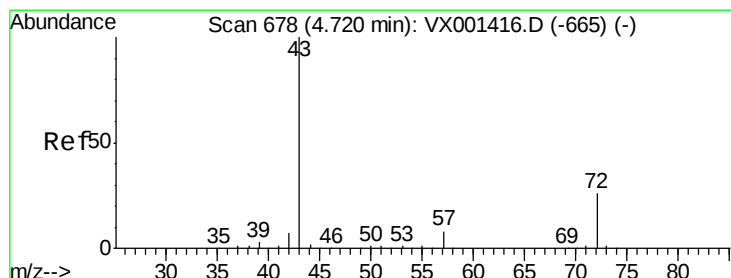
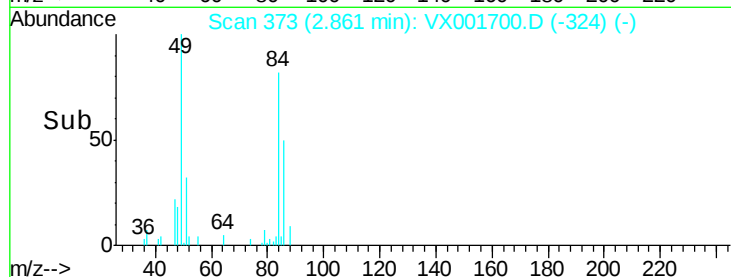
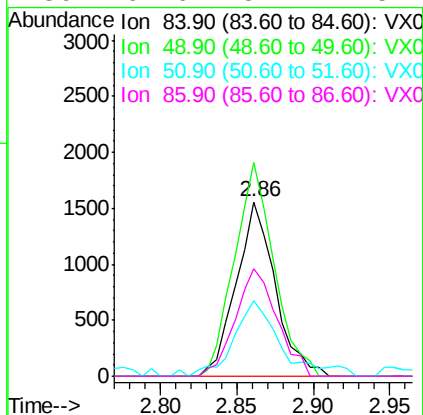
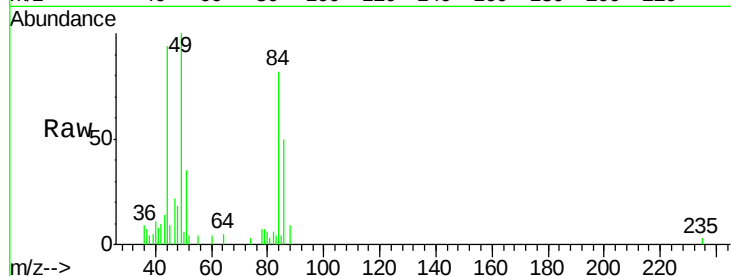




#20
Methylene Chloride
Concen: 0.77 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001700.D
Acq: 13 May 2018 06:26

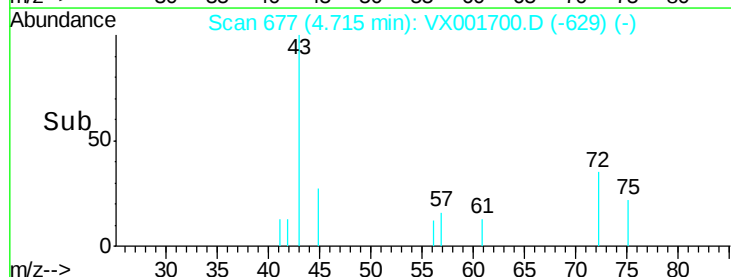
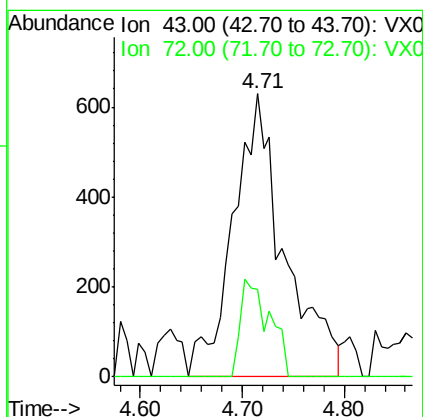
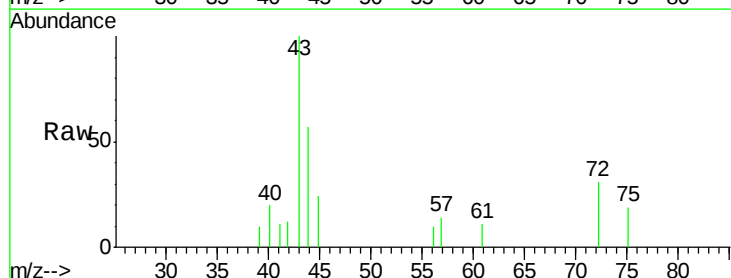
Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#16

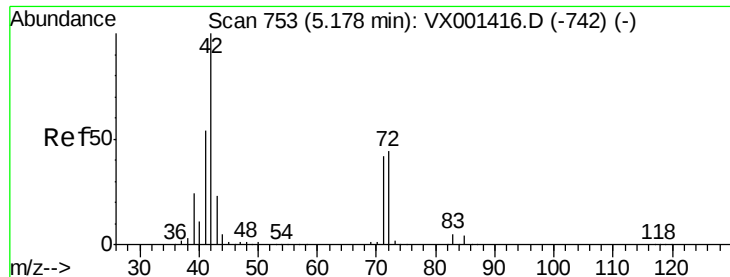
Tgt Ion:	84	Resp:	2758
Ion	Ratio	Lower	Upper
84	100		
49	122.3	96.6	144.8
51	43.3	29.0	43.4
86	61.6	52.2	78.4



#25
2-Butanone
Concen: 0.84 ug/l
RT: 4.71 min Scan# 677
Delta R.T. -0.01 min
Lab File: VX001700.D
Acq: 13 May 2018 06:26

Tgt Ion:	43	Resp:	2190
Ion	Ratio	Lower	Upper
43	100		
72	30.8	20.7	31.1





#29

Tetrahydrofuran

Concen: 0.28 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.01 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#16

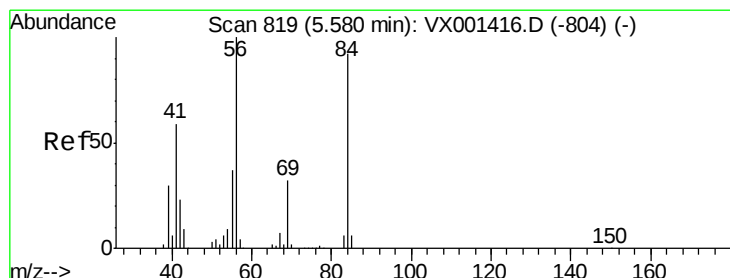
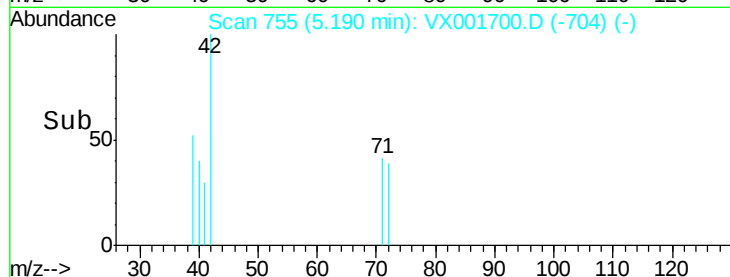
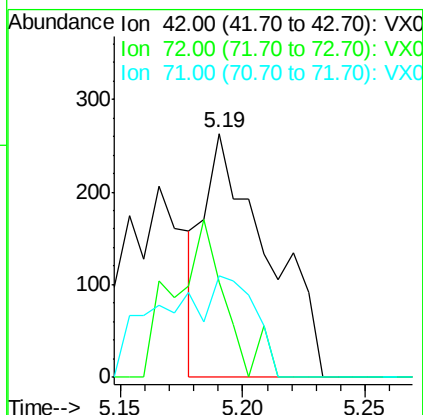
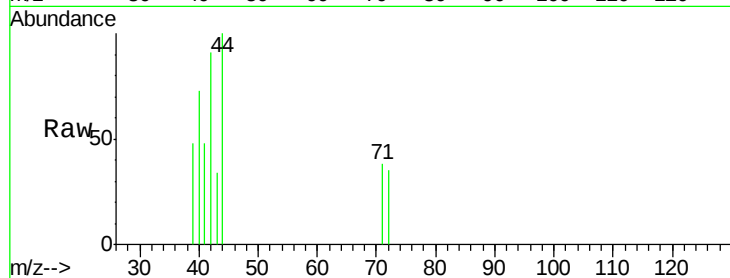
Tgt Ion: 42 Resp: 469

Ion Ratio Lower Upper

42 100

72 52.7 35.4 53.2

71 61.4 33.0 49.4#



#31

Cyclohexane

Concen: 0.90 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

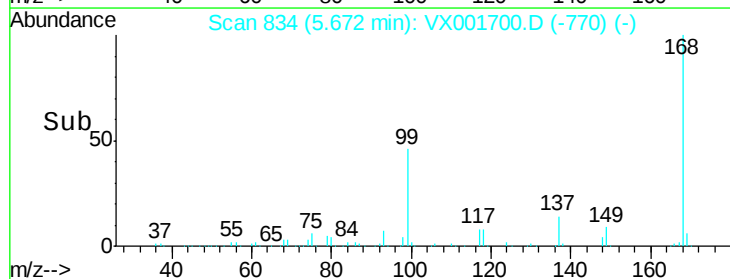
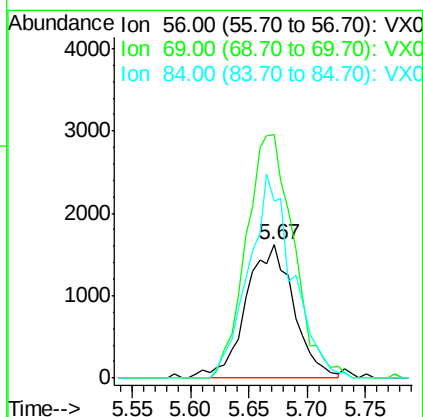
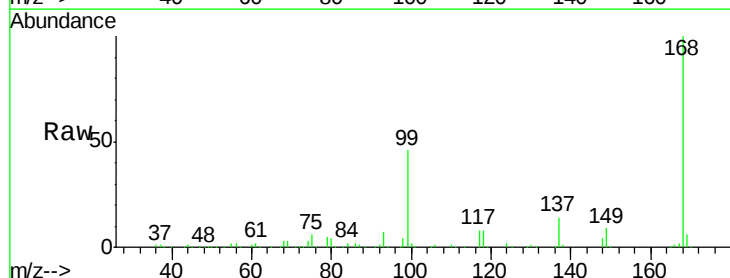
Tgt Ion: 56 Resp: 4594

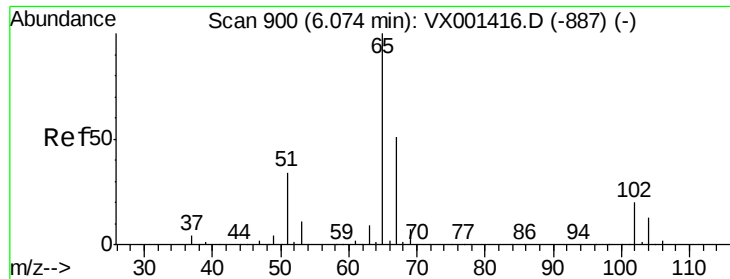
Ion Ratio Lower Upper

56 100

69 182.6 25.4 38.0#

84 132.3 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 46.06 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

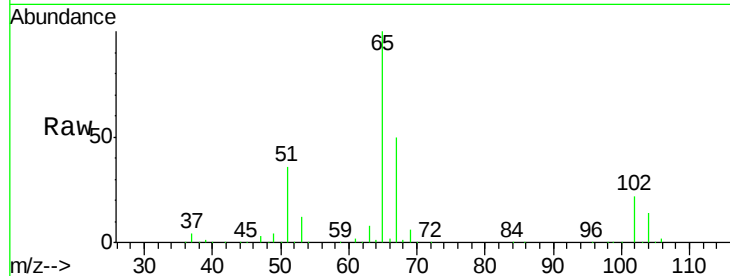
PB109200ZHE#16

Tgt Ion: 65 Resp: 182811

Ion Ratio Lower Upper

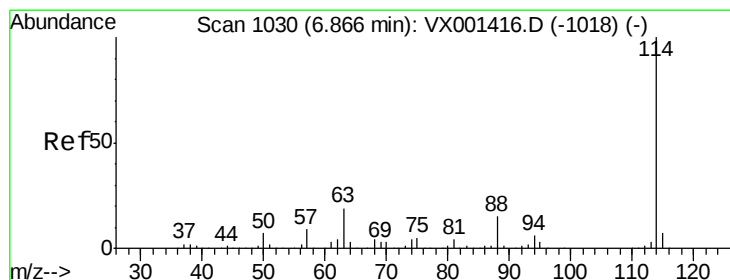
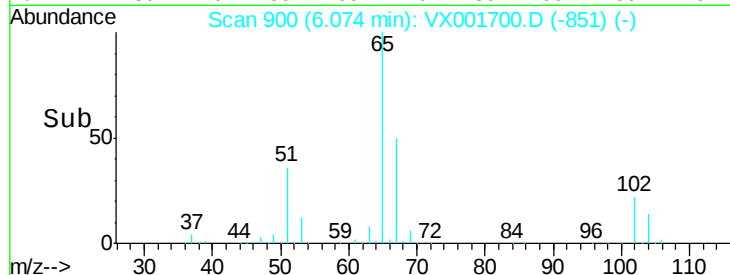
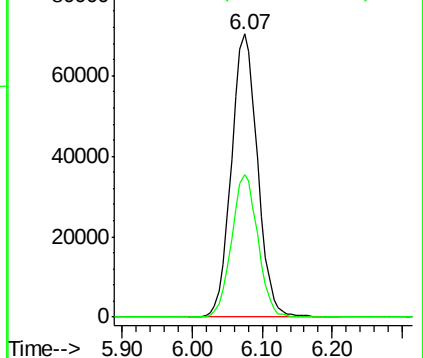
65 100

67 50.5 0.0 101.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

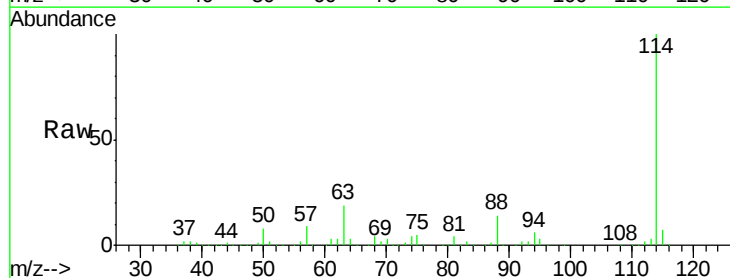
Tgt Ion: 114 Resp: 375755

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

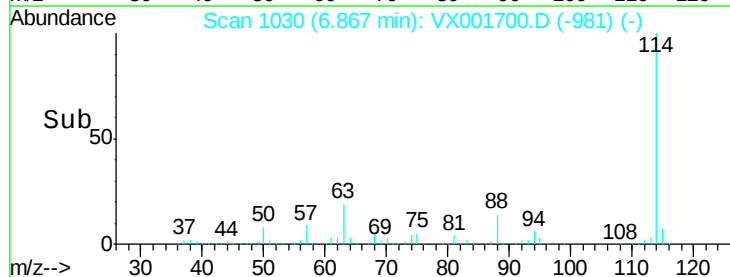
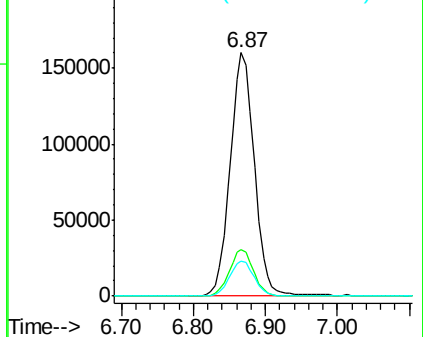
88 14.5 0.0 30.8

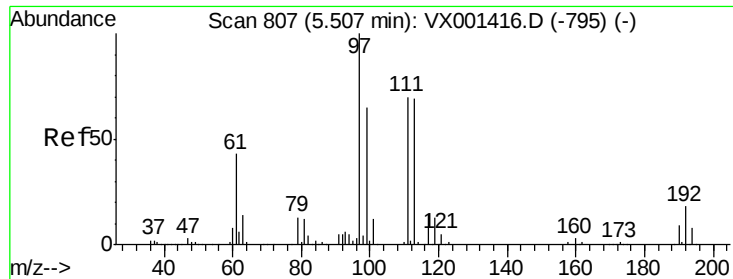


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 44.01 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

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PB109200ZHE#16

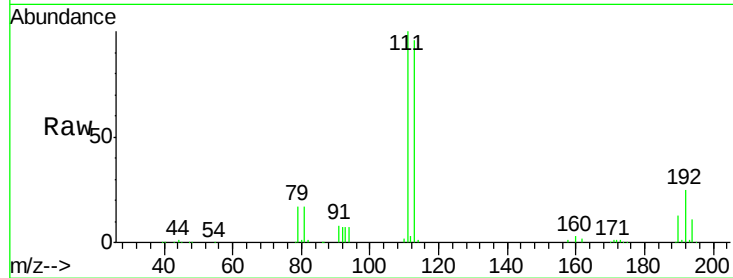
Tgt Ion:113 Resp: 147088

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

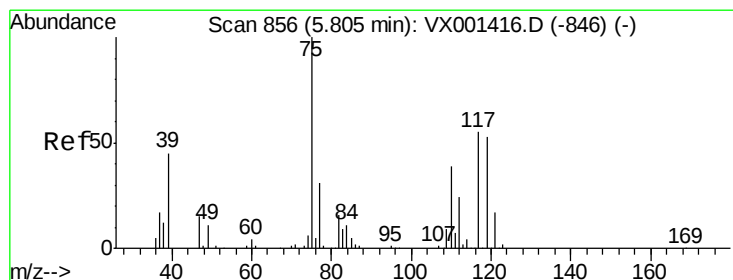
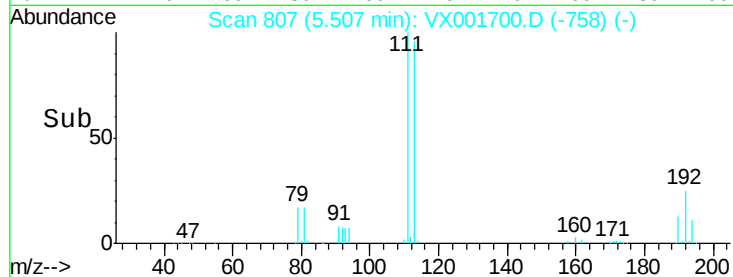
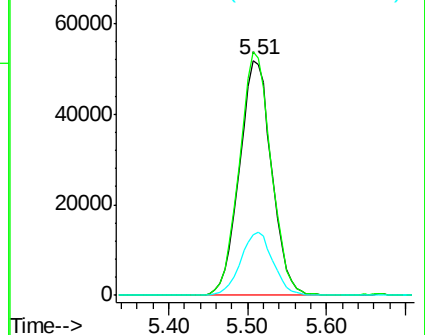
192 26.9 21.4 32.0



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: 3.40 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

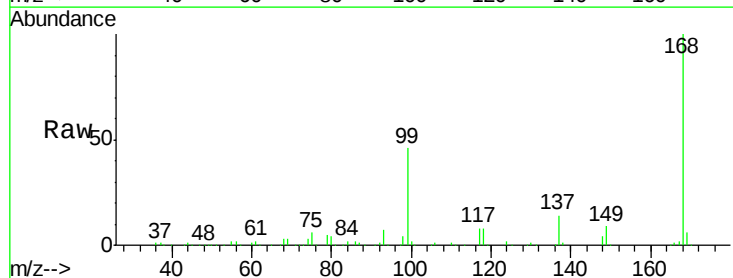
Tgt Ion: 75 Resp: 16229

Ion Ratio Lower Upper

75 100

110 10.7 18.9 56.7#

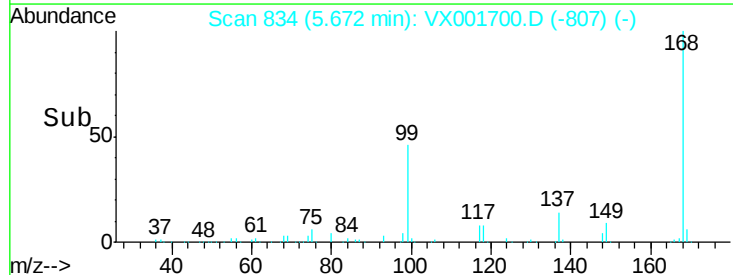
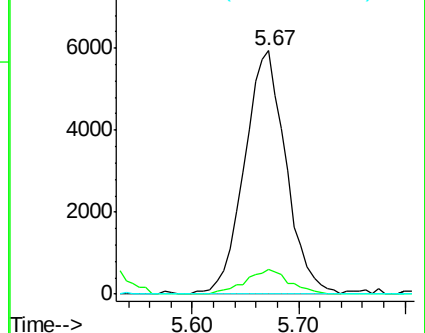
77 0.0 24.9 37.3#

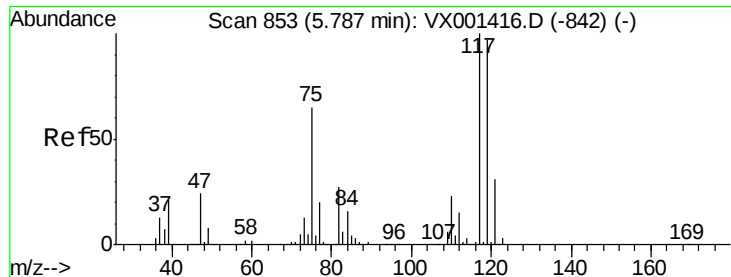


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.57 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.12 min

Lab File: VX001700.D

Acq: 13 May 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

PB109200ZHE#16

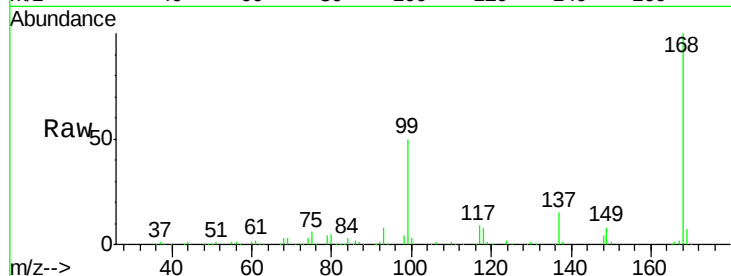
Tgt Ion:117 Resp: 23280

Ion Ratio Lower Upper

117 100

119 6.5 77.0 115.6#

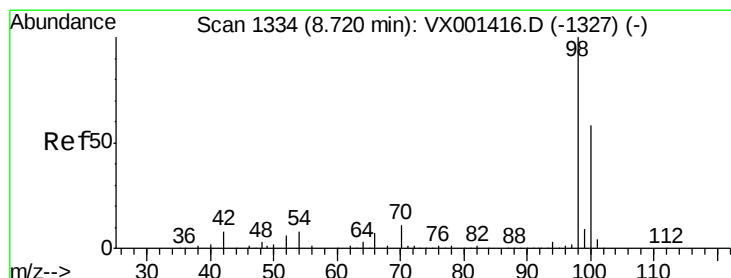
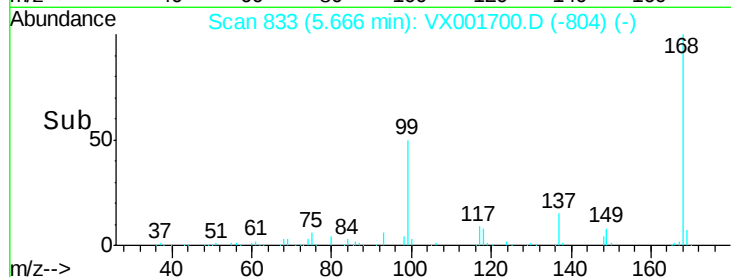
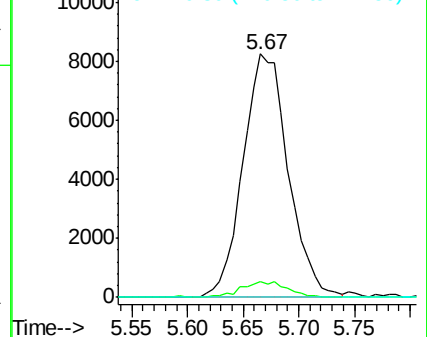
121 0.0 25.1 37.7#



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: 43.01 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001700.D

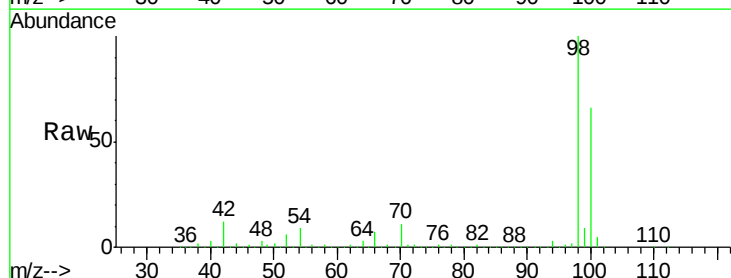
Acq: 13 May 2018 06:26

Tgt Ion: 98 Resp: 524686

Ion Ratio Lower Upper

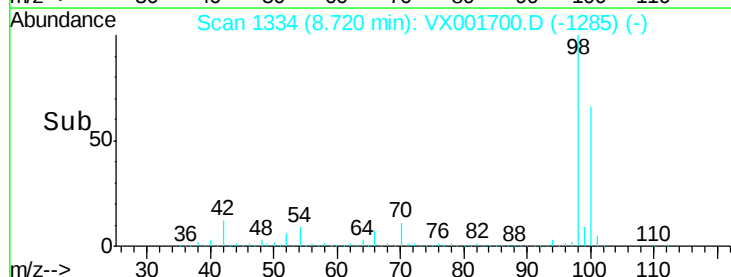
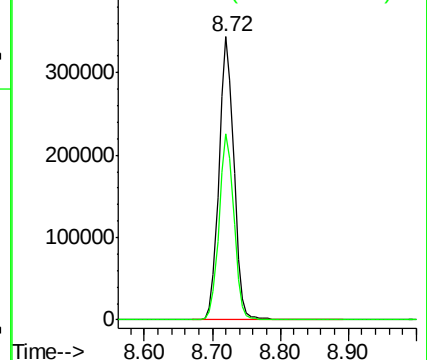
98 100

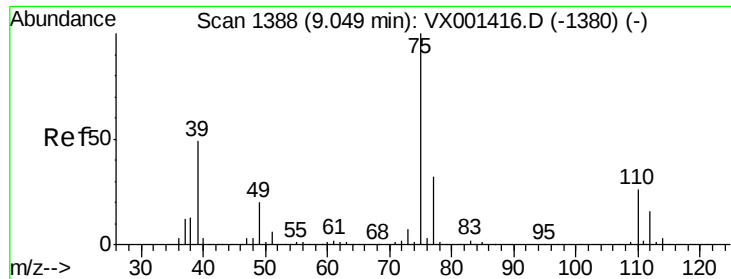
100 65.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

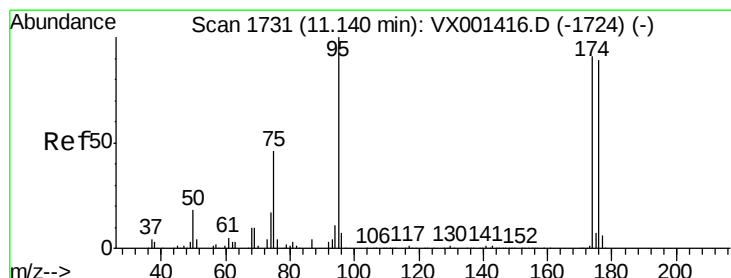
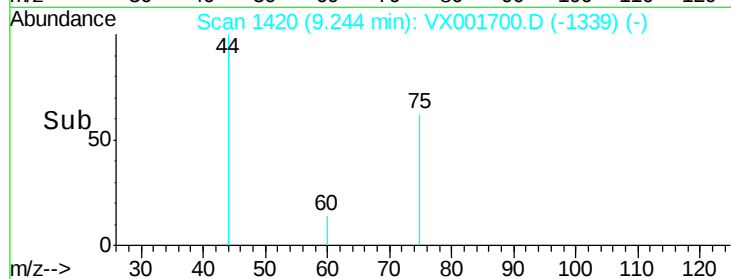
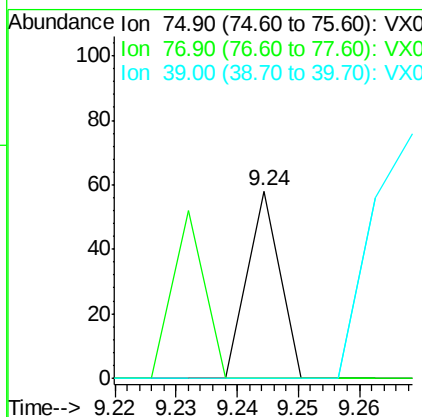
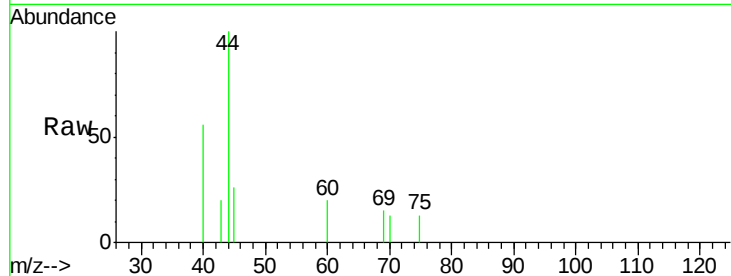




#54
 cis-1,3-Dichloropropene
 Concen: 2.27 ug/l
 RT: 9.24 min Scan# 1420
 Delta R.T. 0.20 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

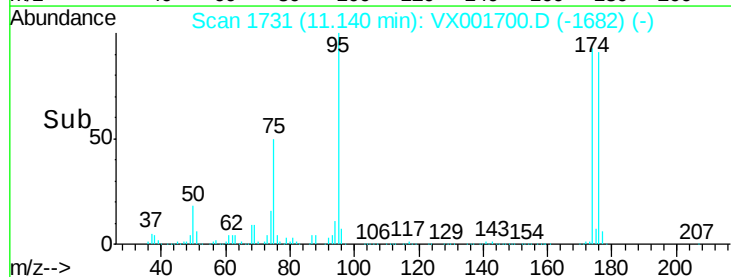
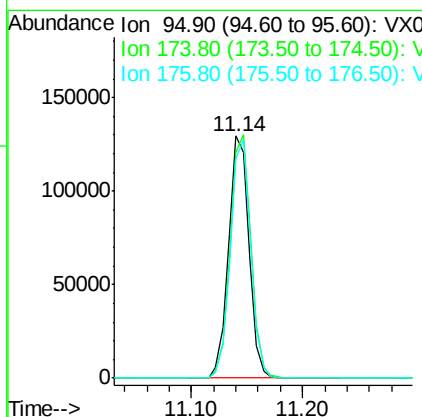
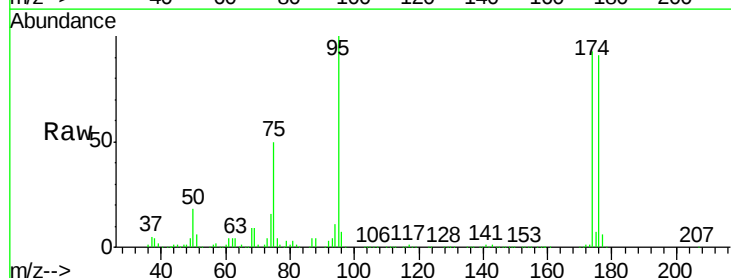
Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#16

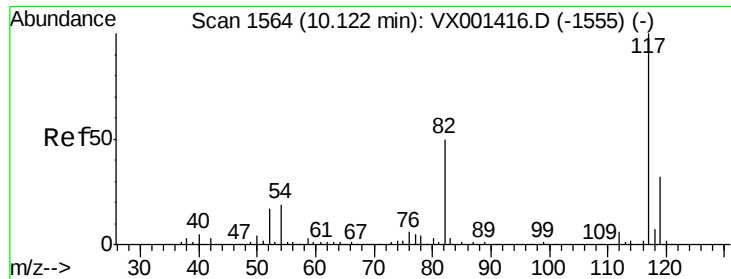
Tgt Ion: 75 Resp: 21
 Ion Ratio Lower Upper
 75 100
 77 0.0 25.5 38.3#
 39 0.0 38.9 58.3#



#62
 4-Bromofluorobenzene
 Concen: 34.88 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.00 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

Tgt Ion: 95 Resp: 163365
 Ion Ratio Lower Upper
 95 100
 174 102.3 0.0 202.0
 176 98.2 0.0 197.4

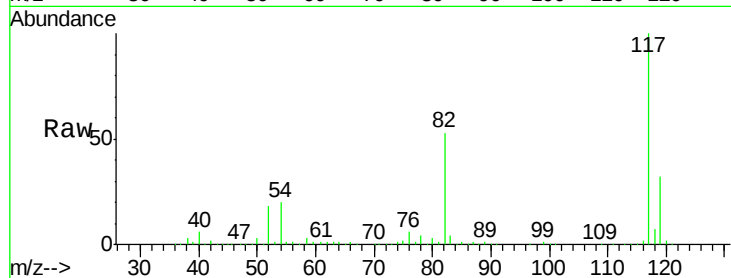




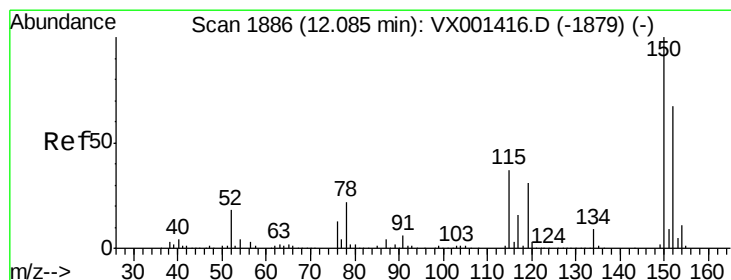
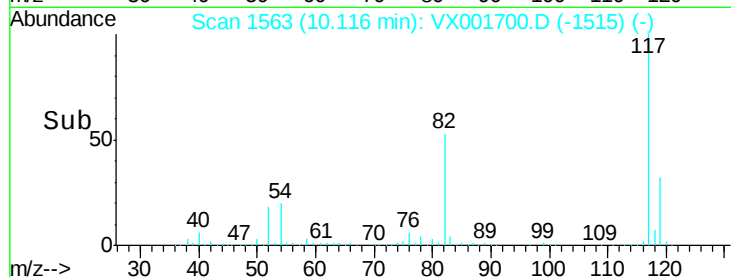
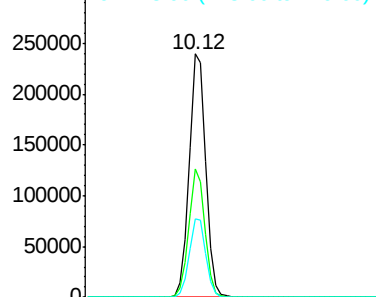
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.01 min
Lab File: VX001700.D
Acq: 13 May 2018 06:26

Instrument :
MSVOA_X
ClientSampleId :
PB109200ZHE#16

Tgt Ion:117 Resp: 327297
Ion Ratio Lower Upper
117 100
82 52.5 40.0 60.0
119 32.1 25.8 38.8

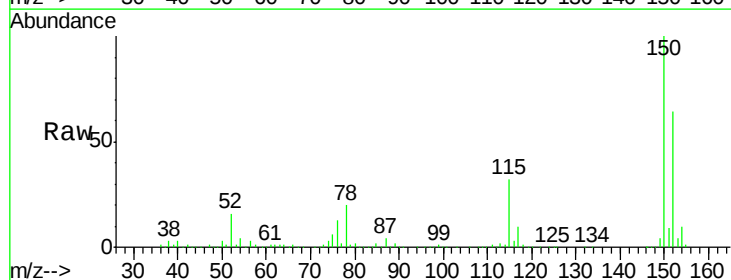


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

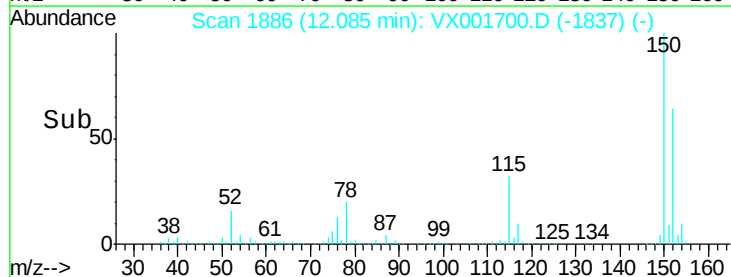
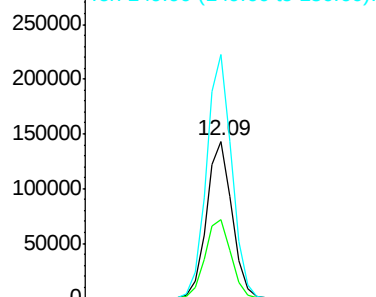


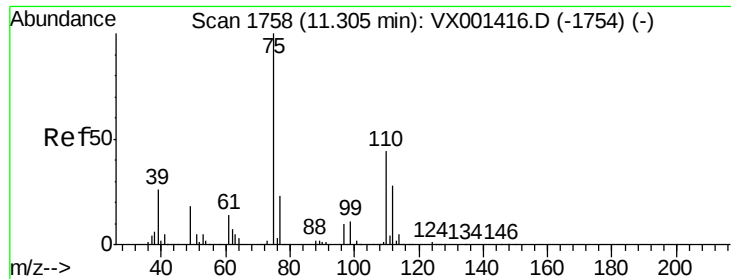
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX001700.D
Acq: 13 May 2018 06:26

Tgt Ion:152 Resp: 174562
Ion Ratio Lower Upper
152 100
115 51.7 37.7 113.1
150 155.3 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

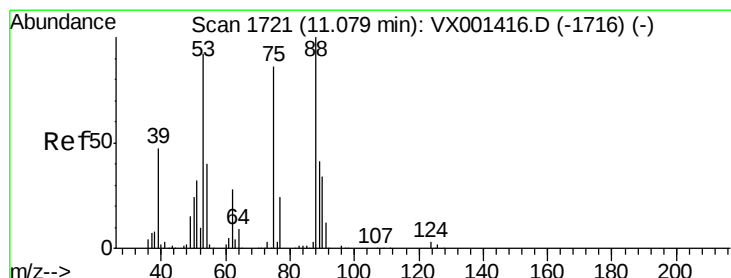
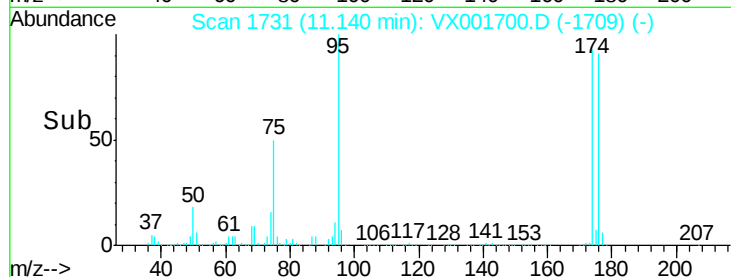
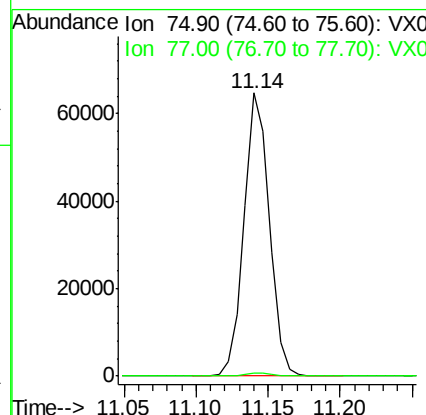
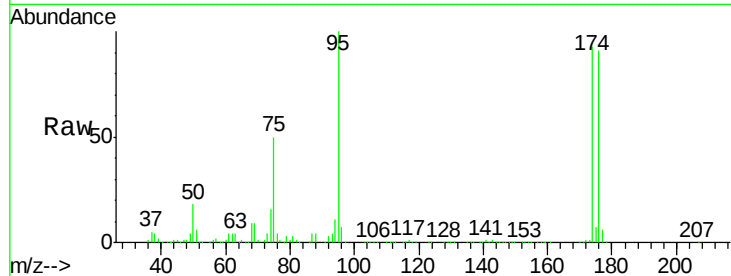




#76
 1,2,3-Trichloropropane
 Concen: 22.32 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. -0.16 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

Instrument :
 MSVOA_X
 ClientSampleId :
 PB109200ZHE#16

Tgt Ion: 75 Resp: 79020
 Ion Ratio Lower Upper
 75 100
 77 1.2 19.6 58.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 69.35 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001700.D
 Acq: 13 May 2018 06:26

Tgt Ion: 75 Resp: 79020
 Ion Ratio Lower Upper
 75 100
 53 0.1 84.5 126.7#
 89 0.0 39.5 59.3#

