

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001539.D
 Acq On : 09 May 2018 03:21
 Operator : JC/MD
 Sample : J2676-08 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-D

Quant Time: May 09 06:53:53 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	244565	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	334088	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	296001	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	163290	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	163917	46.63	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.26%	
35) Dibromofluoromethane	5.51	113	127091	42.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.54%	
50) Toluene-d8	8.72	98	462669	42.65	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.30%	
62) 4-Bromofluorobenzene	11.14	95	152268	36.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	73.14%	

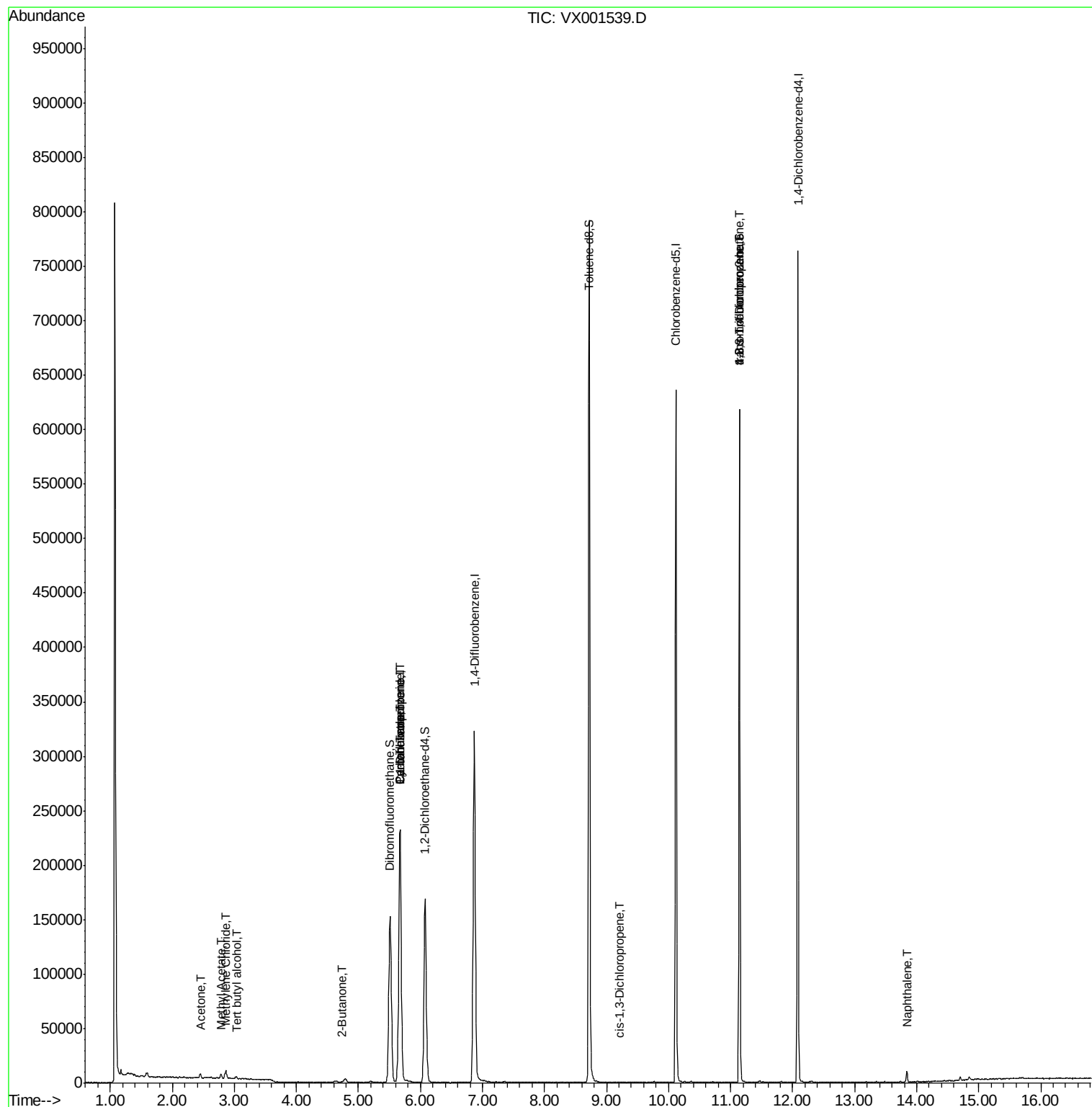
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	775	Below Cal		87
11) Tert butyl alcohol	3.03	59	1207	1.63 ug/l	#	72
13) Acrolein	2.31	56	21	Below Cal	#	1
16) Acetone	2.45	43	4433	2.78 ug/l		98
18) Methyl Acetate	2.78	43	4213	1.00 ug/l	#	90
20) Methylene Chloride	2.86	84	3469	1.10 ug/l		97
25) 2-Butanone	4.73	43	901	0.39 ug/l		96
31) Cyclohexane	5.67	56	4351	0.96 ug/l	#	17
36) 1,1-Dichloropropene	5.67	75	15347	3.61 ug/l	#	49
38) Carbon Tetrachloride	5.67	117	21077	4.65 ug/l	#	15
54) cis-1,3-Dichloropropene	9.21	75	19	2.27 ug/l	#	1
76) 1,2,3-Trichloropropane	11.14	75	76084	22.97 ug/l	#	38
81) trans-1,4-Dichloro-2-buten	11.14	75	76084	71.26 ug/l	#	7
95) Naphthalene	13.84	128	6269	0.52 ug/l	#	96

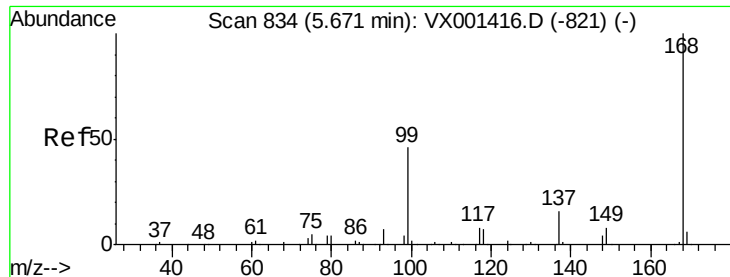
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

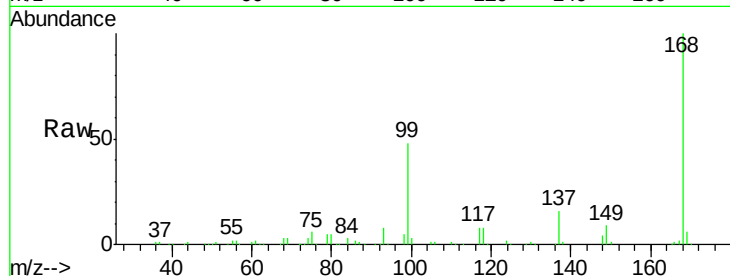
CL-01-050718-D

Tgt Ion:168 Resp: 244565

Ion Ratio Lower Upper

168 100

99 47.7 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

80000

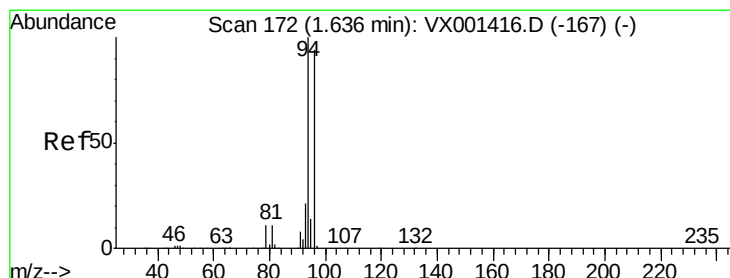
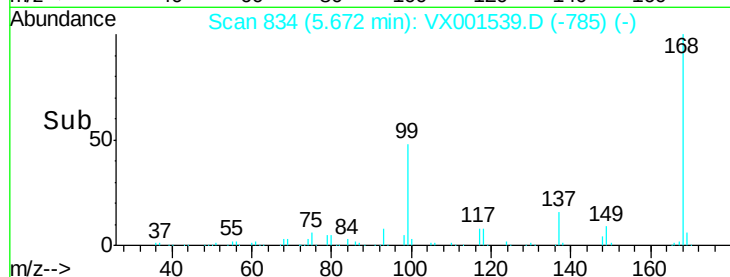
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 175

Delta R.T. 0.02 min

Lab File: VX001539.D

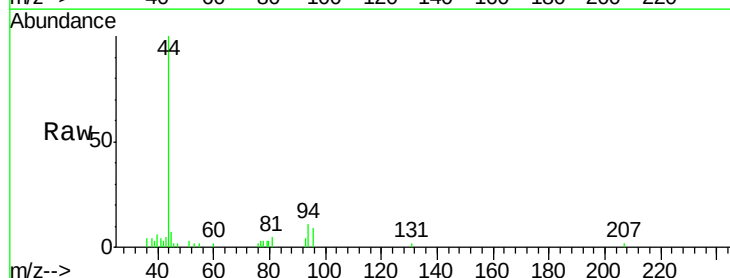
Acq: 09 May 2018 03:21

Tgt Ion: 94 Resp: 775

Ion Ratio Lower Upper

94 100

96 81.2 75.0 112.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

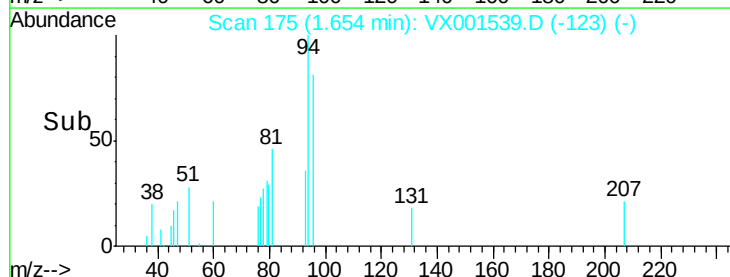
300

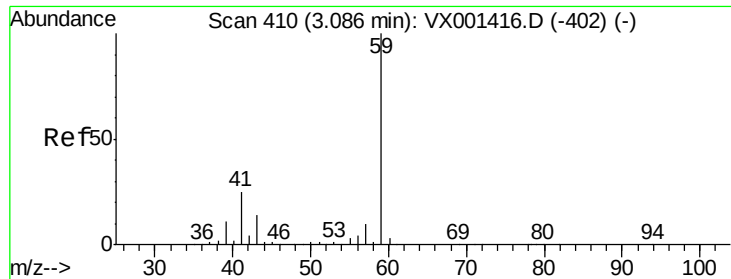
200

100

0

Time--> 1.60 1.65 1.70

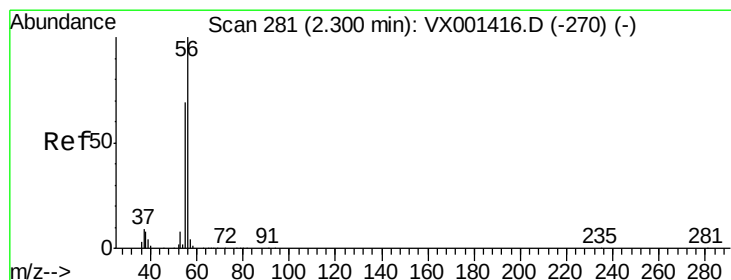
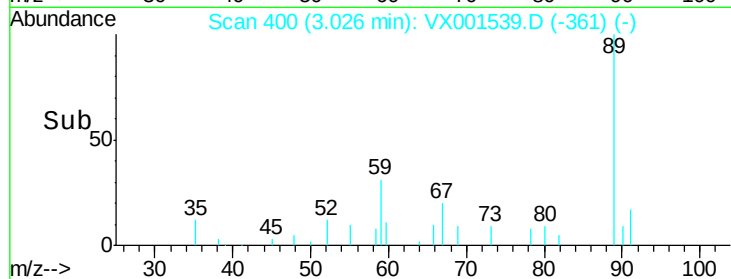
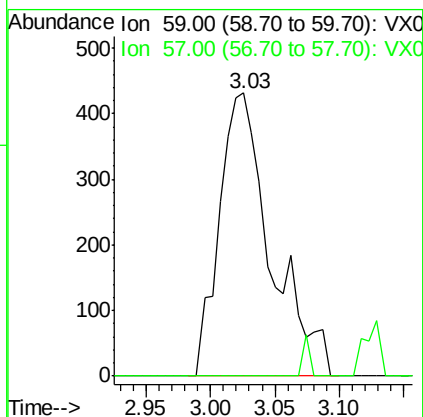
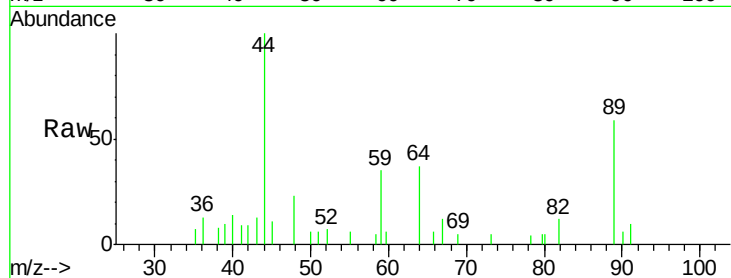




#11
Tert butyl alcohol
Concen: 1.63 ug/l
RT: 3.03 min Scan# 400
Delta R.T. -0.06 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

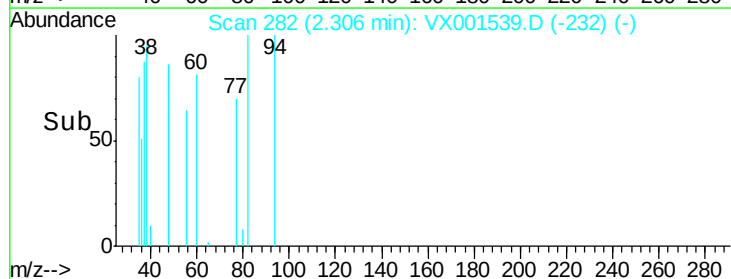
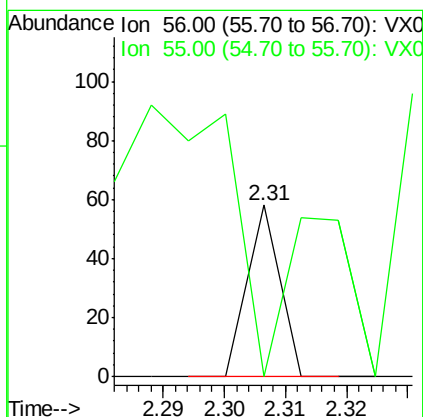
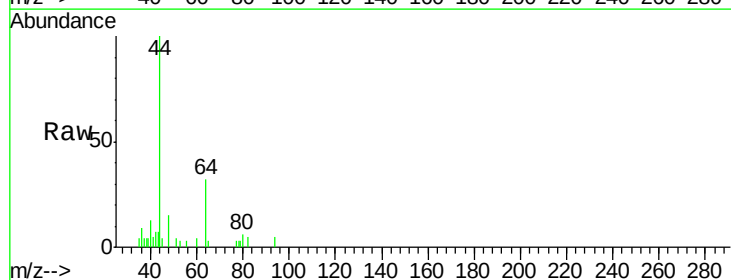
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-D

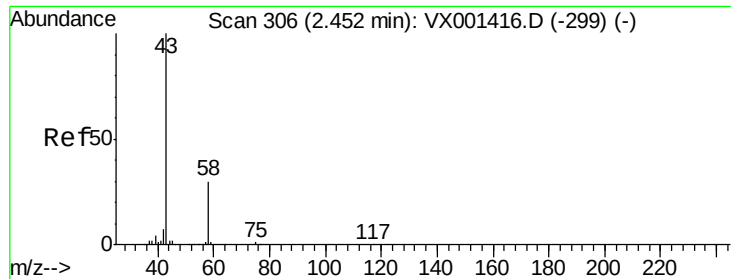
Tgt Ion: 59 Resp: 1207
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 282
Delta R.T. 0.01 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 571.4 54.5 81.7#

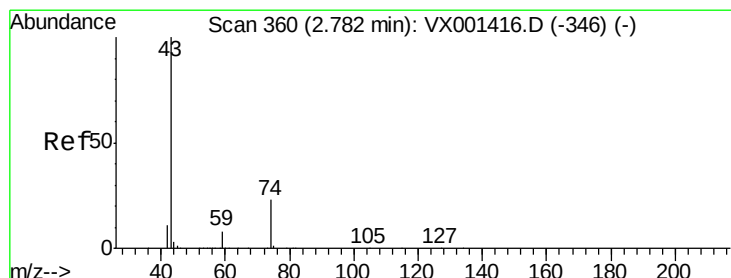
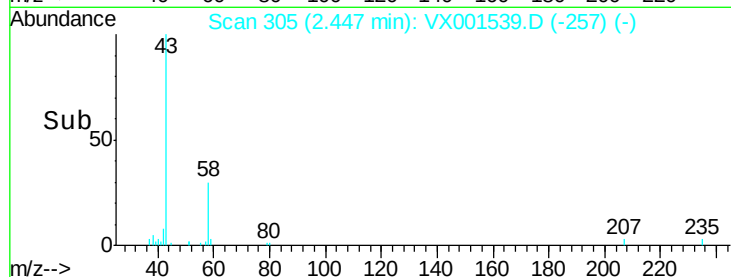
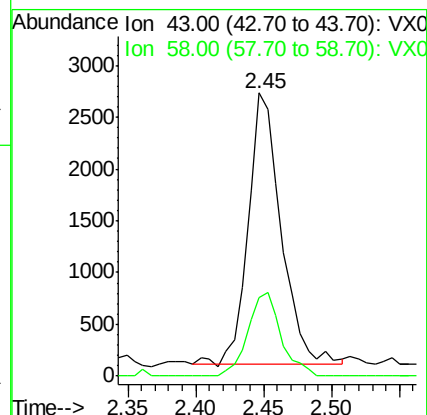
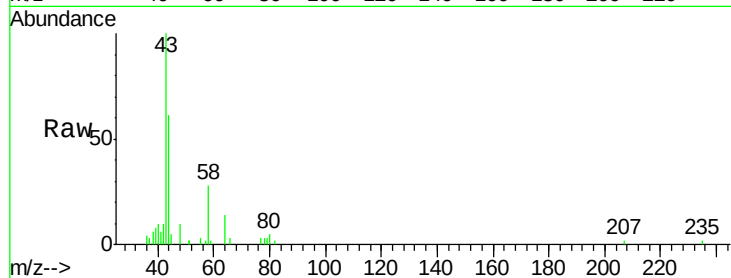




#16
Acetone
Concen: 2.78 ug/l
RT: 2.45 min Scan# 305
Delta R.T. -0.01 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

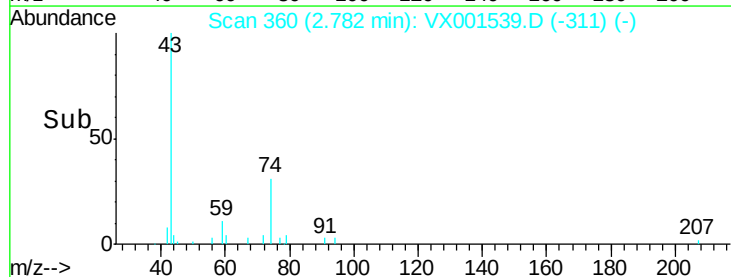
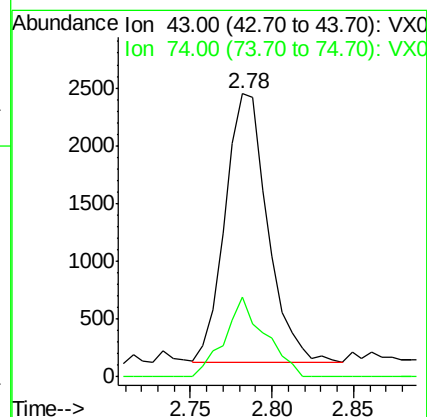
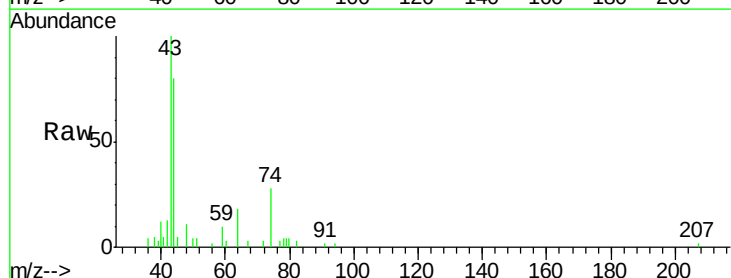
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-D

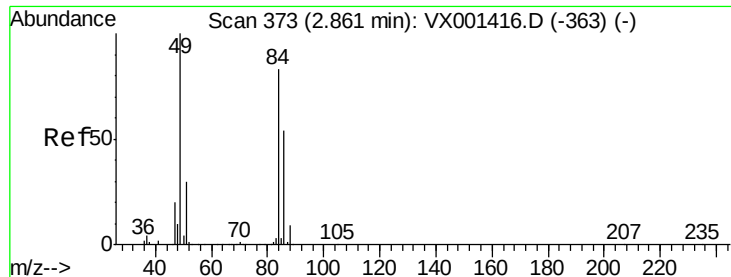
Tgt Ion: 43 Resp: 4433
Ion Ratio Lower Upper
43 100
58 28.8 23.8 35.8



#18
Methyl Acetate
Concen: 1.00 ug/l
RT: 2.78 min Scan# 360
Delta R.T. 0.00 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

Tgt Ion: 43 Resp: 4213
Ion Ratio Lower Upper
43 100
74 28.1 18.6 27.8#

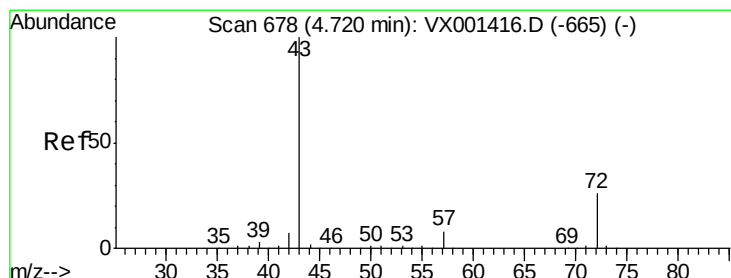
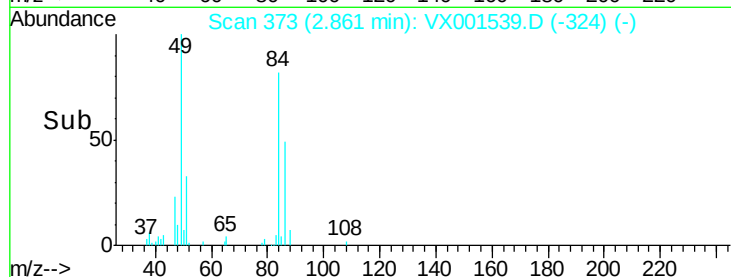
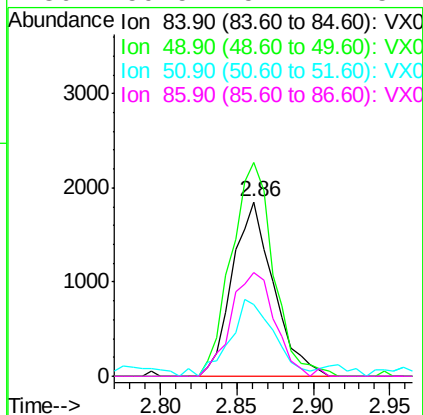
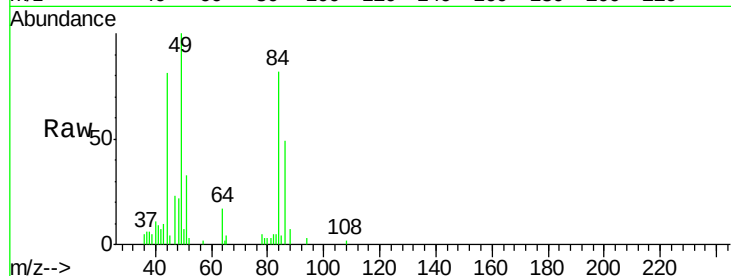




#20
Methylene Chloride
Concen: 1.10 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

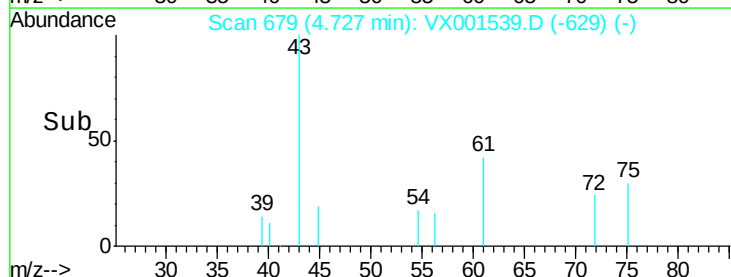
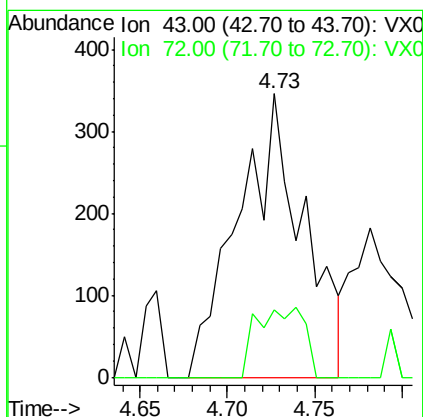
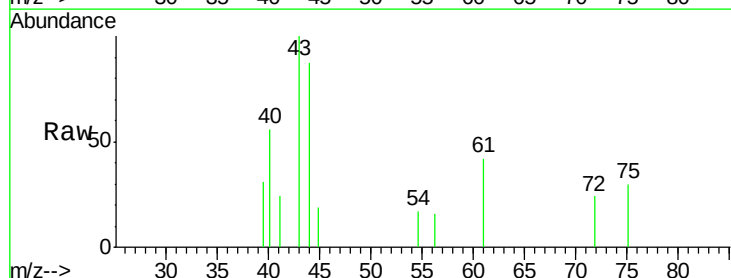
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-D

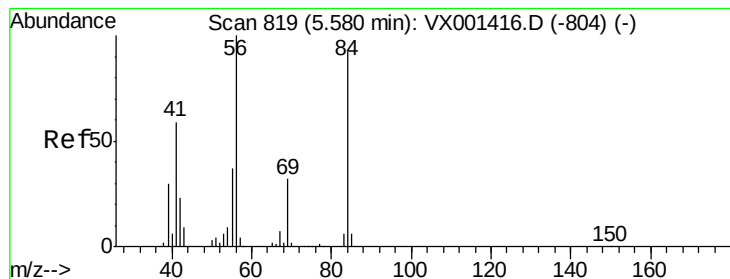
Tgt Ion:	84	Resp:	3469
Ion	Ratio	Lower	Upper
84	100		
49	122.5	96.6	144.8
51	36.3	29.0	43.4
86	59.5	52.2	78.4



#25
2-Butanone
Concen: 0.39 ug/l
RT: 4.73 min Scan# 679
Delta R.T. 0.01 min
Lab File: VX001539.D
Acq: 09 May 2018 03:21

Tgt Ion:	43	Resp:	901
Ion	Ratio	Lower	Upper
43	100		
72	24.0	20.7	31.1





#31

Cyclohexane

Concen: 0.96 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-D

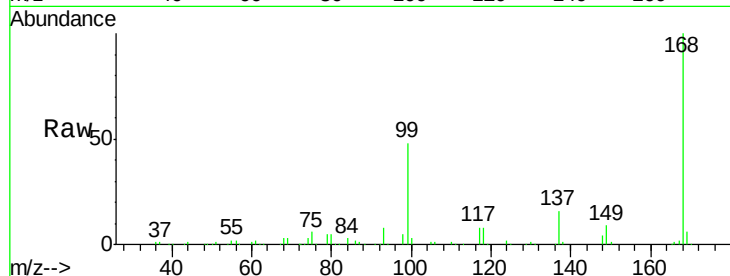
Tgt Ion: 56 Resp: 4351

Ion Ratio Lower Upper

56 100

69 151.6 25.4 38.0#

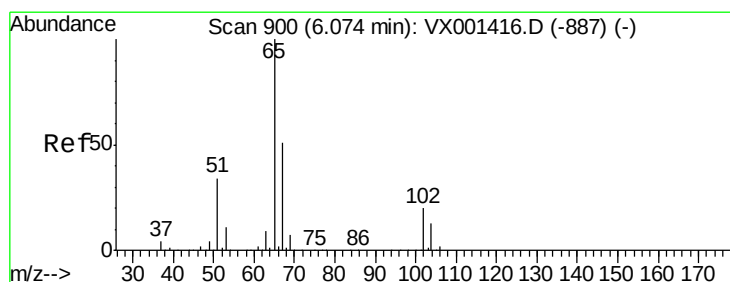
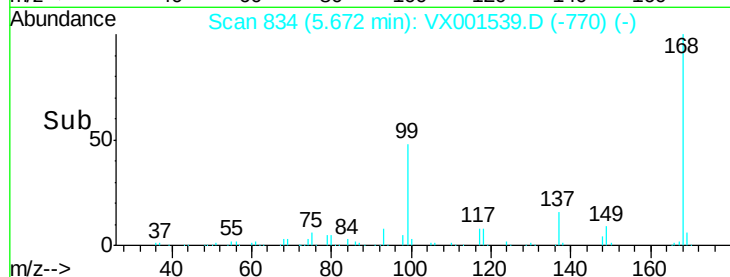
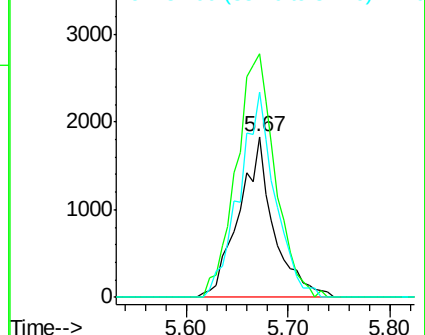
84 128.2 73.8 110.8#



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: 46.63 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.00 min

Lab File: VX001539.D

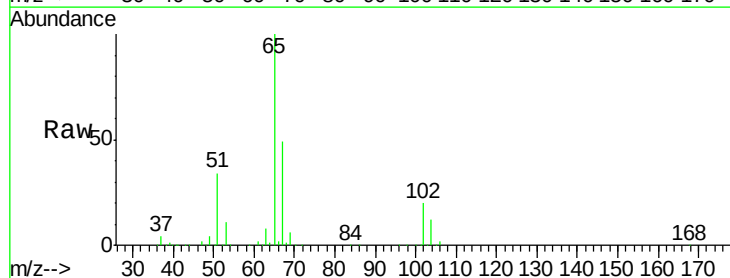
Acq: 09 May 2018 03:21

Tgt Ion: 65 Resp: 163917

Ion Ratio Lower Upper

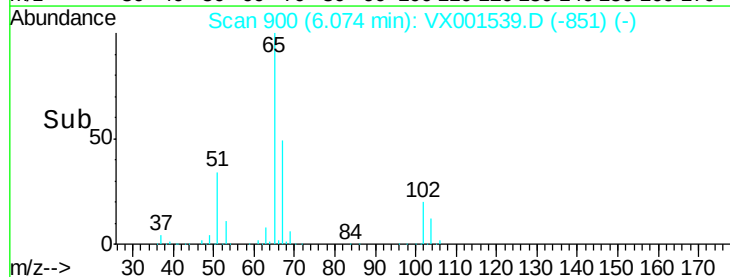
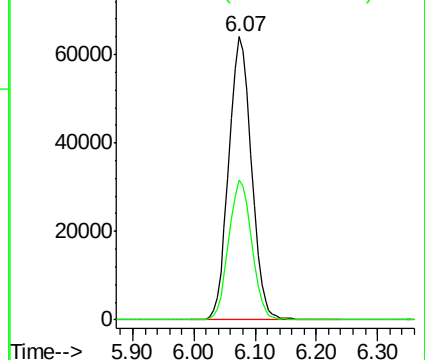
65 100

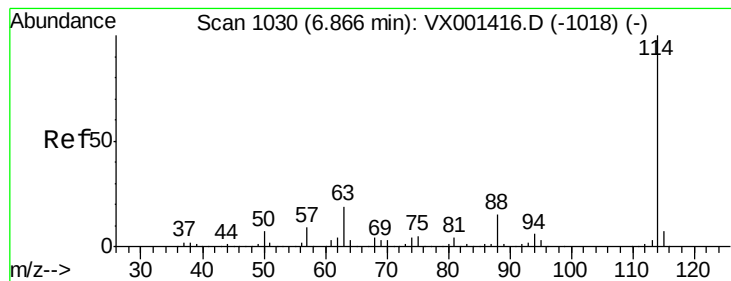
67 50.1 0.0 101.8



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: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-D

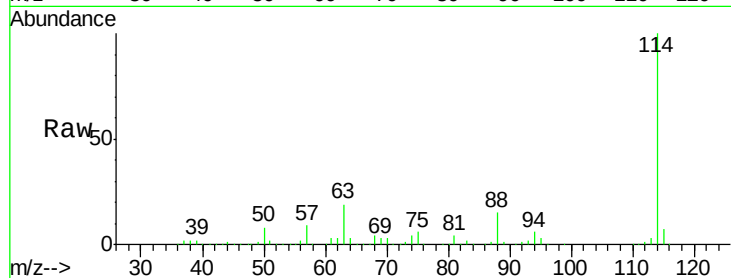
Tgt Ion:114 Resp: 334088

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.6

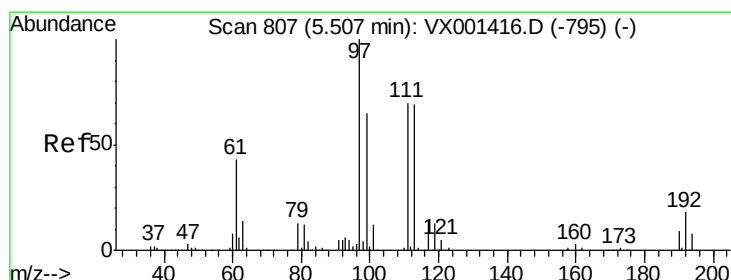
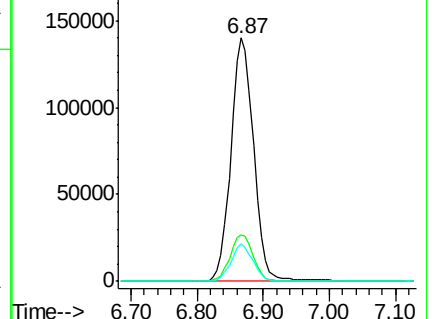
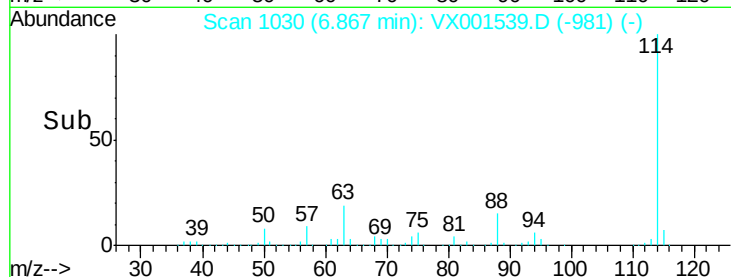
88 15.2 0.0 30.8



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: 42.77 ug/l

RT: 5.51 min Scan# 807

Delta R.T. 0.00 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

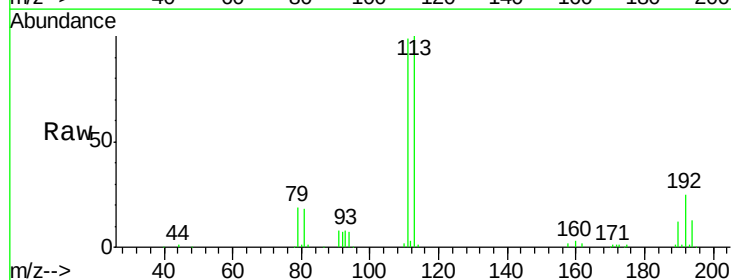
Tgt Ion:113 Resp: 127091

Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

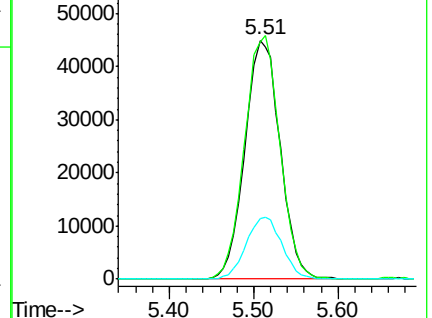
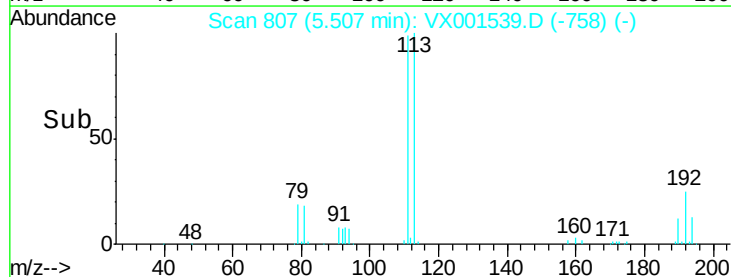
192 26.4 21.4 32.0

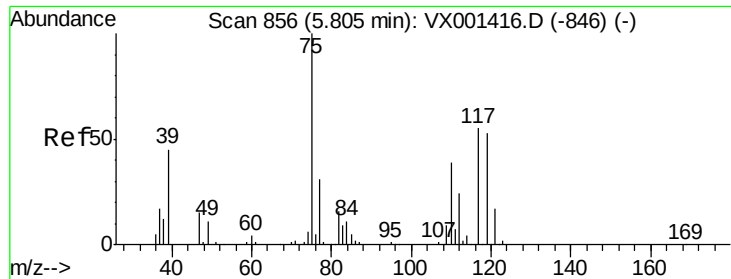


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

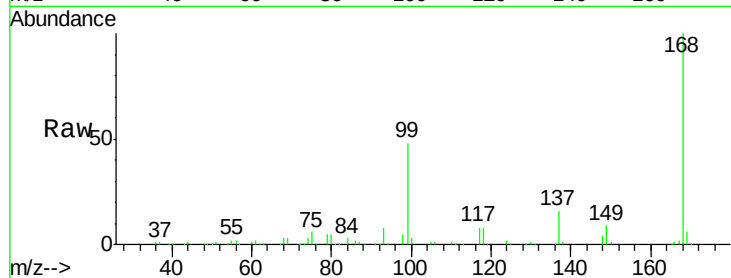




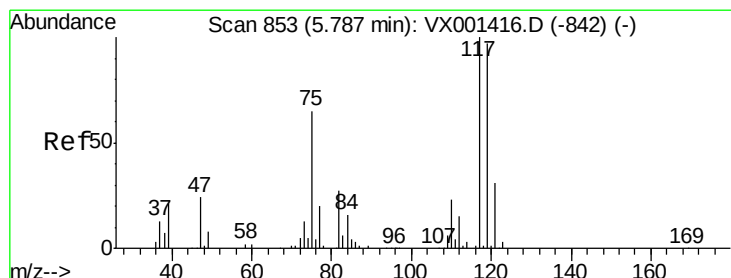
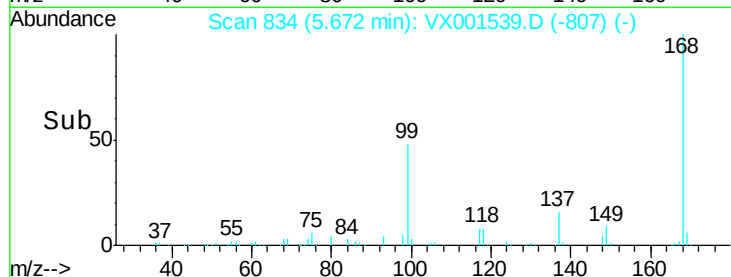
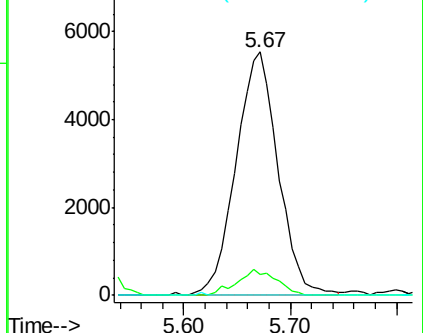
#36
 1,1-Dichloropropene
 Concen: 3.61 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001539.D
 Acq: 09 May 2018 03:21

Instrument :
 MSVOA_X
 ClientSampled :
 CL-01-050718-D

Tgt Ion: 75 Resp: 15347
 Ion Ratio Lower Upper
 75 100
 110 9.9 18.9 56.7#
 77 0.0 24.9 37.3#

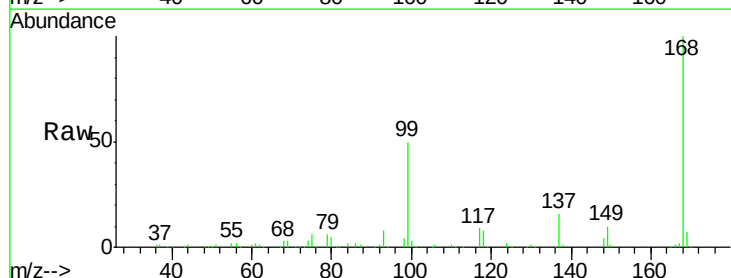


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

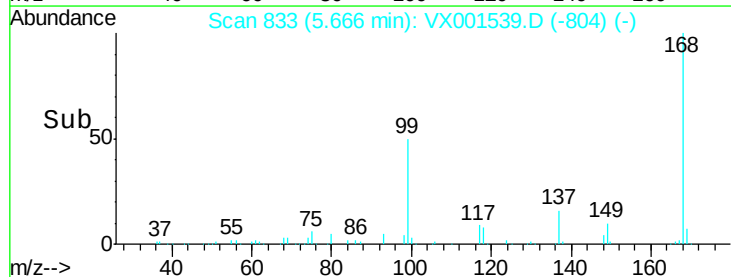
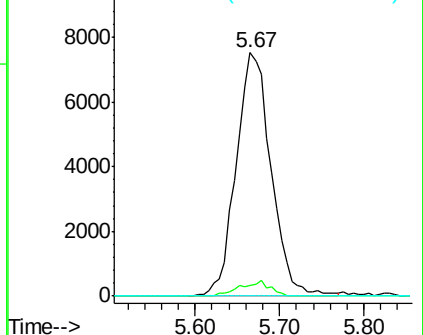


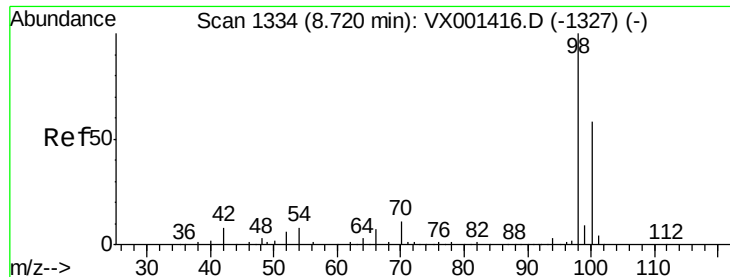
#38
 Carbon Tetrachloride
 Concen: 4.65 ug/l
 RT: 5.67 min Scan# 833
 Delta R.T. -0.12 min
 Lab File: VX001539.D
 Acq: 09 May 2018 03:21

Tgt Ion: 117 Resp: 21077
 Ion Ratio Lower Upper
 117 100
 119 4.4 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: 42.65 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

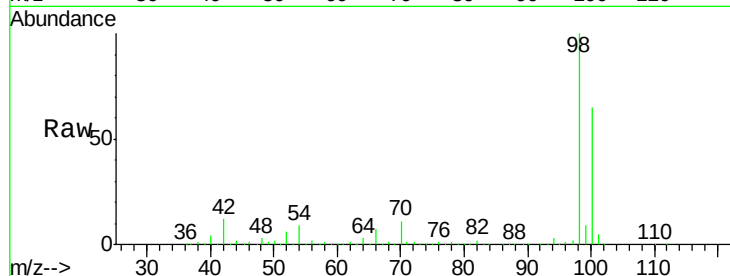
CL-01-050718-D

Tgt Ion: 98 Resp: 462669

Ion Ratio Lower Upper

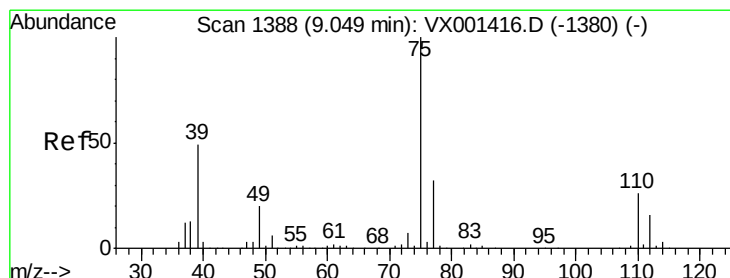
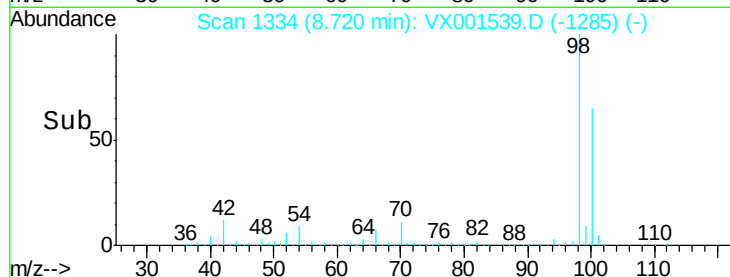
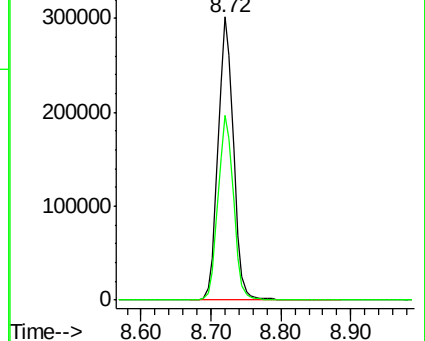
98 100

100 65.4 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#54

cis-1,3-Dichloropropene

Concen: 2.27 ug/l

RT: 9.21 min Scan# 1414

Delta R.T. 0.16 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

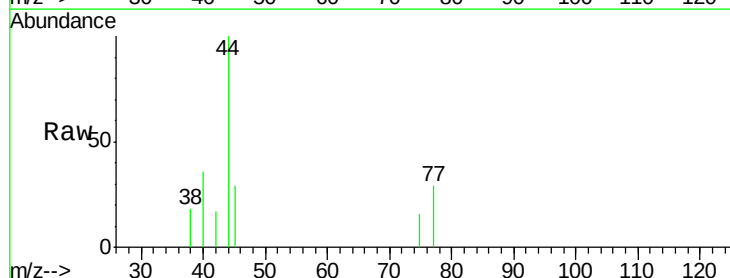
Tgt Ion: 75 Resp: 19

Ion Ratio Lower Upper

75 100

77 188.5 25.5 38.3#

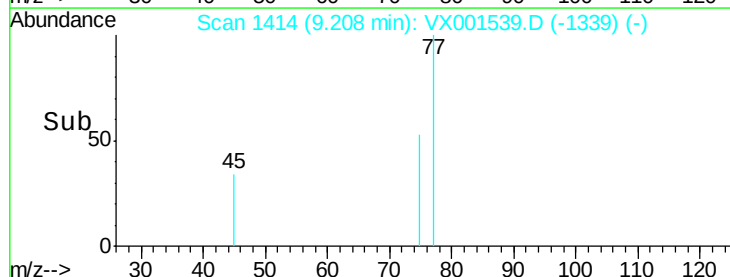
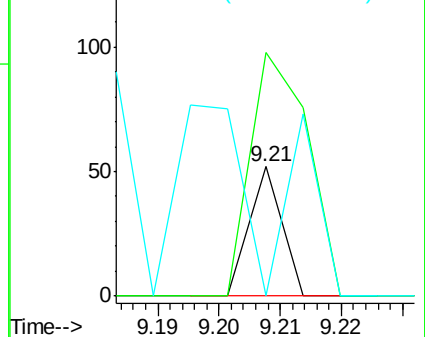
39 0.0 38.9 58.3#

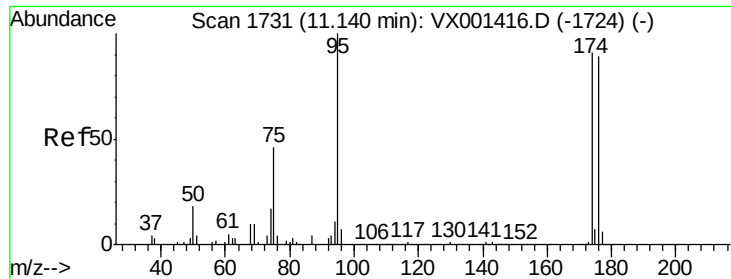


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 76.90 (76.60 to 77.60): VX0

Ion 39.00 (38.70 to 39.70): VX0





#62

4-Bromofluorobenzene

Concen: 36.57 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-D

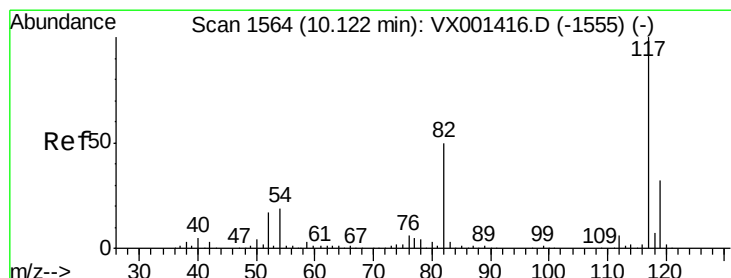
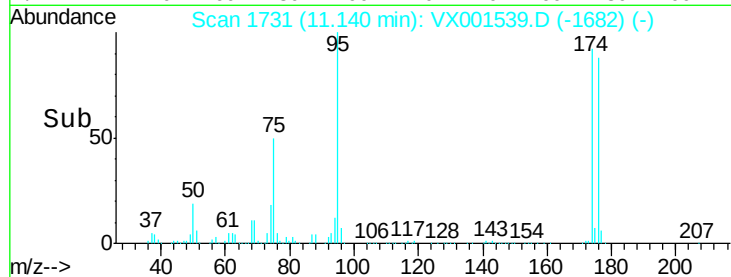
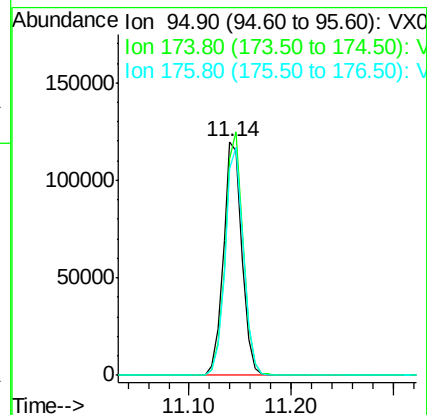
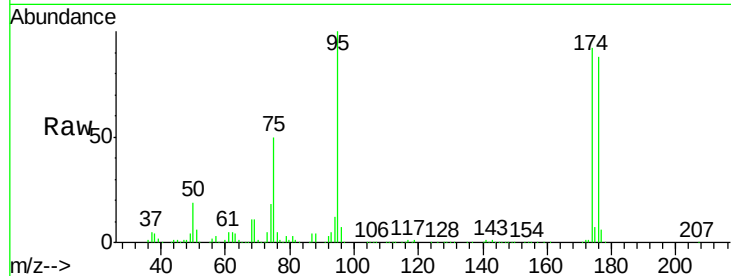
Tgt Ion: 95 Resp: 152268

Ion Ratio Lower Upper

95 100

174 100.3 0.0 202.0

176 96.0 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: VX001539.D

Acq: 09 May 2018 03:21

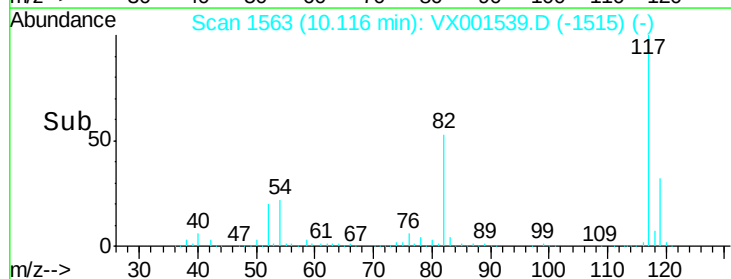
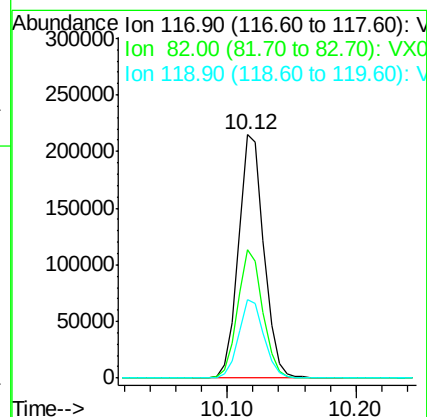
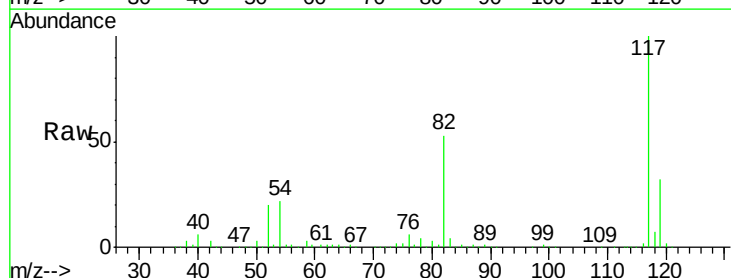
Tgt Ion: 117 Resp: 296001

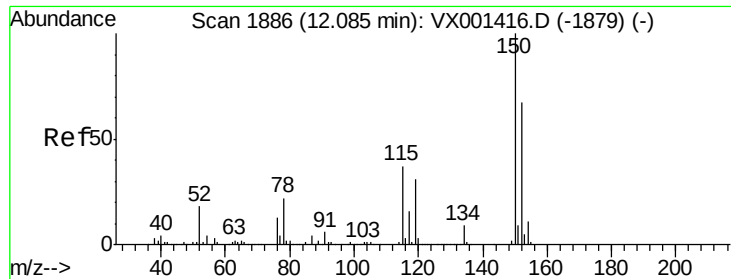
Ion Ratio Lower Upper

117 100

82 52.8 40.0 60.0

119 32.1 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: VX001539.D

Acq: 09 May 2018 03:21

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-D

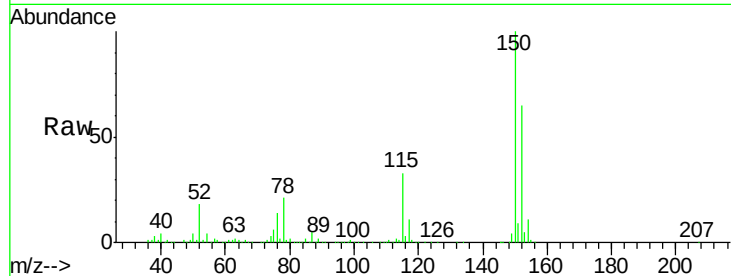
Tgt Ion:152 Resp: 163290

Ion Ratio Lower Upper

152 100

115 51.9 37.7 113.1

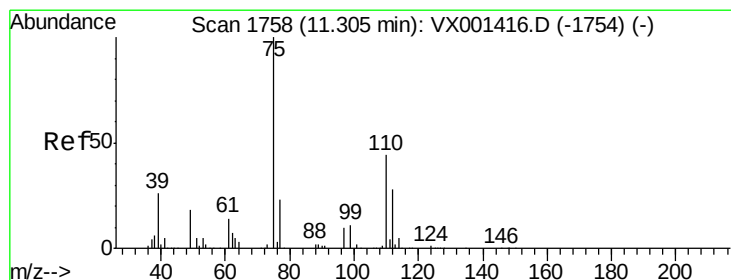
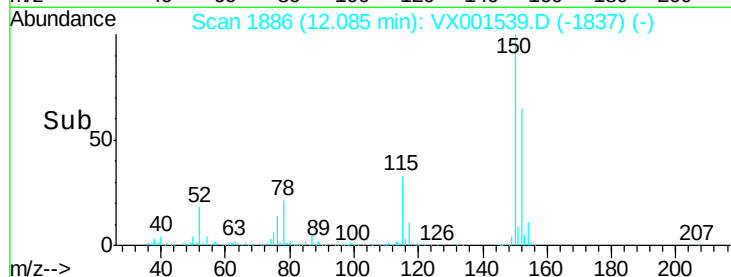
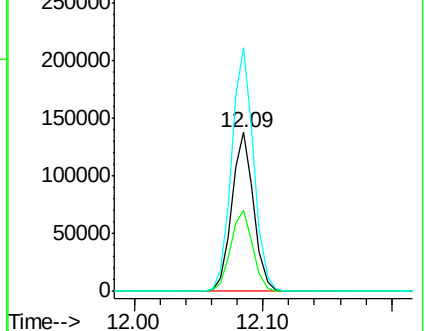
150 155.1 0.0 349.4



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: 22.97 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001539.D

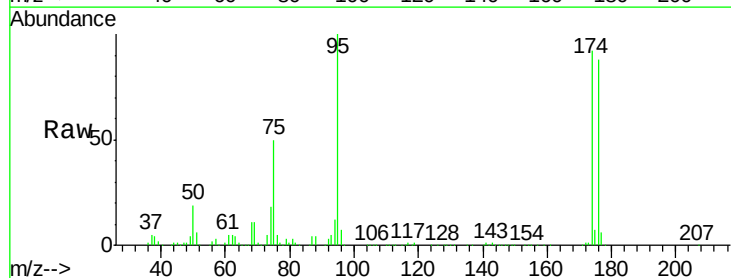
Acq: 09 May 2018 03:21

Tgt Ion: 75 Resp: 76084

Ion Ratio Lower Upper

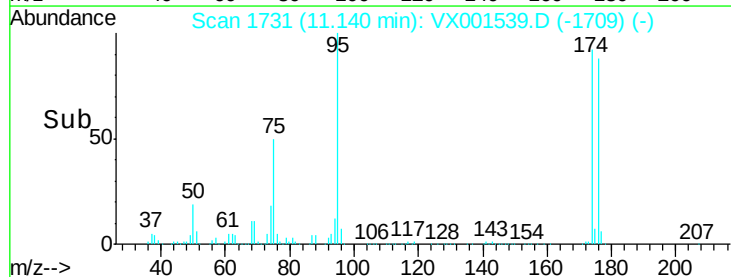
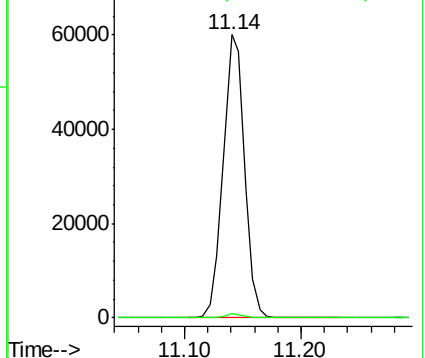
75 100

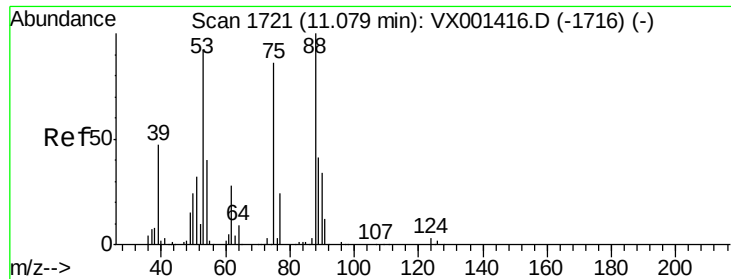
77 1.4 19.6 58.7#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

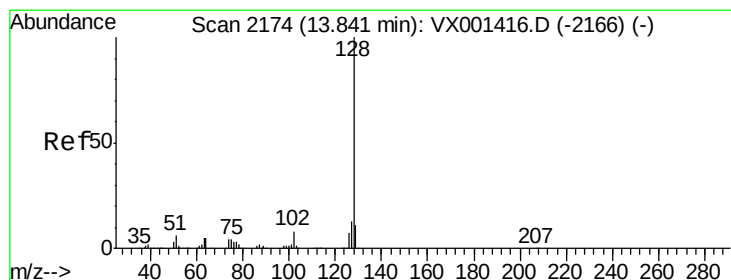
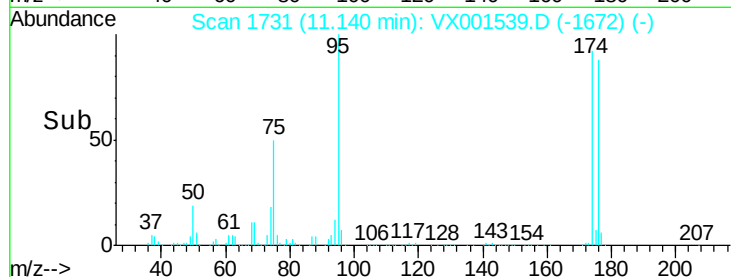
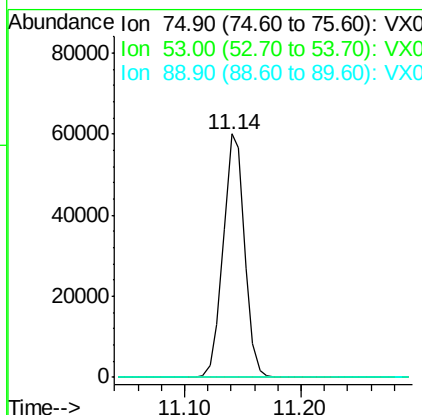
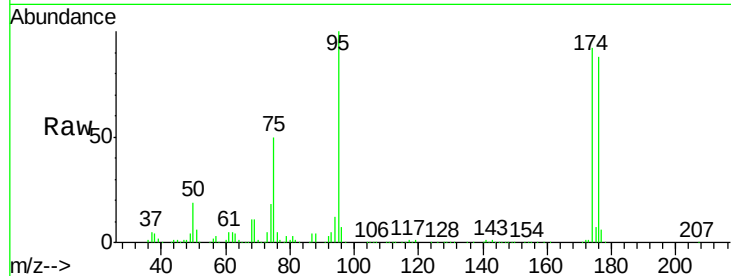




#81
 trans-1,4-Dichloro-2-butene
 Concen: 71.26 ug/l
 RT: 11.14 min Scan# 1731
 Delta R.T. 0.06 min
 Lab File: VX001539.D
 Acq: 09 May 2018 03:21

Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-D

Tgt Ion: 75 Resp: 76084
 Ion Ratio Lower Upper
 75 100
 53 0.0 84.5 126.7#
 89 0.0 39.5 59.3#



#95
 Naphthalene
 Concen: 0.52 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001539.D
 Acq: 09 May 2018 03:21

Tgt Ion: 128 Resp: 6269
 Ion Ratio Lower Upper
 128 100
 127 14.0 10.4 15.6
 129 13.2 8.7 13.1#

