

Data Path : W:\HPCHEM1\MSVOA_X\DATA\VX050818\
 Data File : VX001537.D
 Acq On : 09 May 2018 02:28
 Operator : JC/MD
 Sample : J2676-04 5X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 33 Sample Multiplier: 1

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

Quant Time: May 09 06:53:24 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	238537	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	331248	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	287556	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	156062	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	160479	46.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.62%	
35) Dibromofluoromethane	5.51	113	125120	42.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.94%	
50) Toluene-d8	8.72	98	453691	42.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.36%	
62) 4-Bromofluorobenzene	11.14	95	146653	35.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	71.04%	

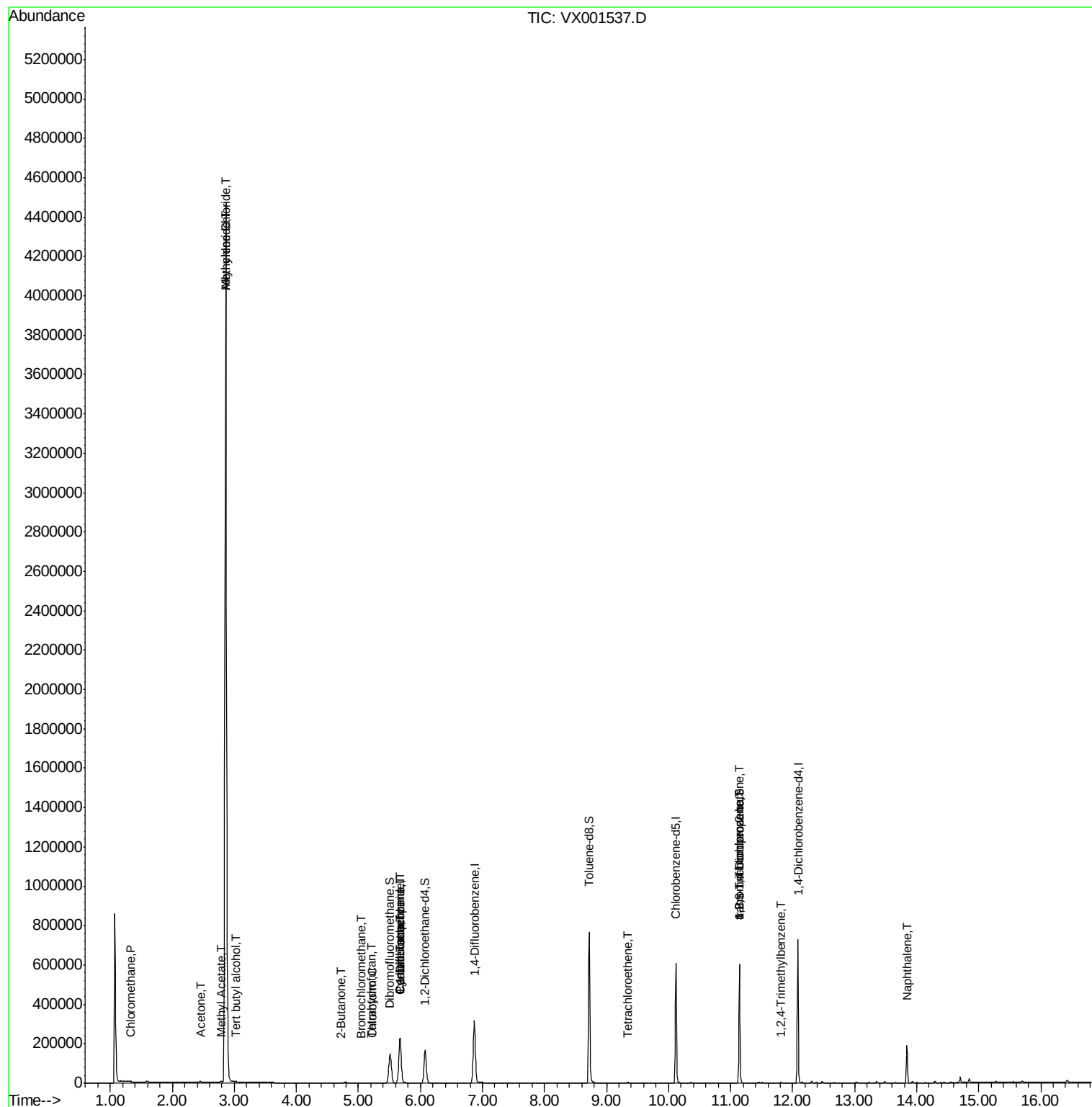
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	784	0.25	ug/l	89
5) Bromomethane	1.66	94	1053	Below	Cal	96
11) Tert butyl alcohol	3.02	59	1569	2.17	ug/l #	76
13) Acrolein	2.28	56	121	Below	Cal #	1
14) Allyl chloride	2.86	41	77706	15.79	ug/l #	27
16) Acetone	2.45	43	4487	2.88	ug/l	100
18) Methyl Acetate	2.78	43	5317	1.30	ug/l	95
20) Methylene Chloride	2.86	84	2067785	670.83	ug/l	99
25) 2-Butanone	4.72	43	1101	0.49	ug/l	90
28) Bromochloromethane	5.05	49	485	0.22	ug/l #	7
29) Tetrahydrofuran	5.20	42	633	0.44	ug/l #	47
30) Chloroform	5.22	83	1355	0.26	ug/l	95
31) Cyclohexane	5.66	56	4439	1.01	ug/l #	25
36) 1,1-Dichloropropene	5.67	75	15313	3.63	ug/l #	50
38) Carbon Tetrachloride	5.67	117	20874	4.64	ug/l #	15
64) Tetrachloroethene	9.34	164	878	0.22	ug/l #	80
76) 1,2,3-Trichloropropane	11.14	75	74034	23.39	ug/l #	38
81) trans-1,4-Dichloro-2-buten	11.14	75	74034	72.47	ug/l #	7
84) 1,2,4-Trimethylbenzene	11.81	105	2404	0.26	ug/l	100
95) Naphthalene	13.84	128	116041	10.04	ug/l	99

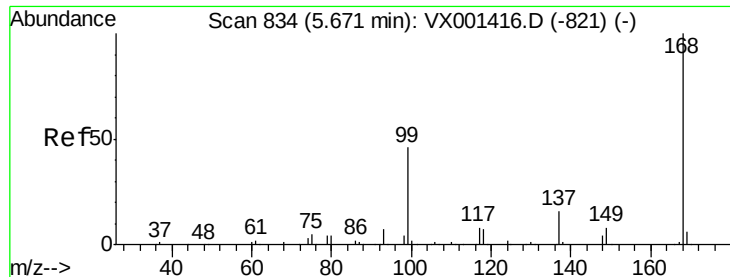
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

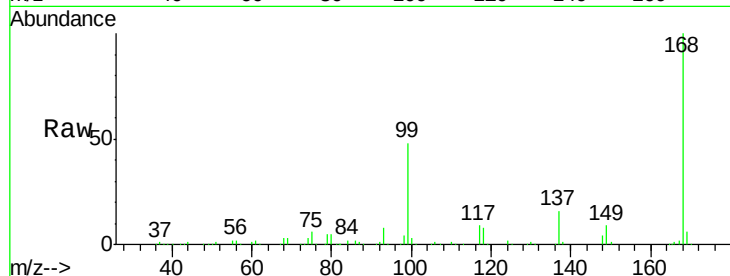
CL-01-050718-B

Tgt Ion:168 Resp: 238537

Ion Ratio Lower Upper

168 100

99 47.8 36.6 54.8

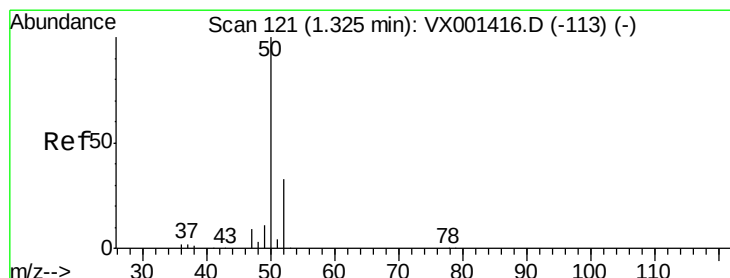
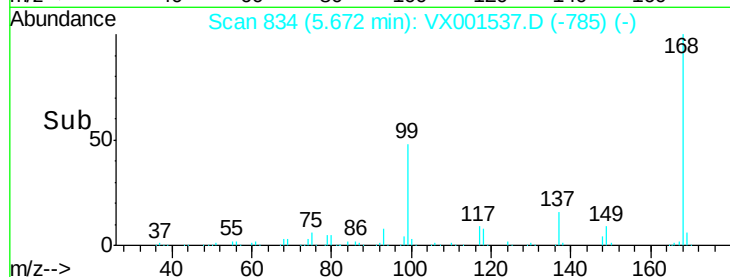


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

Time-->



#3

Chloromethane

Concen: 0.25 ug/l

RT: 1.32 min Scan# 121

Delta R.T. 0.00 min

Lab File: VX001537.D

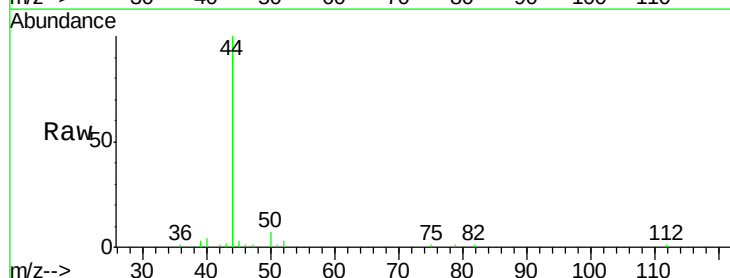
Acq: 09 May 2018 02:28

Tgt Ion: 50 Resp: 784

Ion Ratio Lower Upper

50 100

52 38.8 26.2 39.4

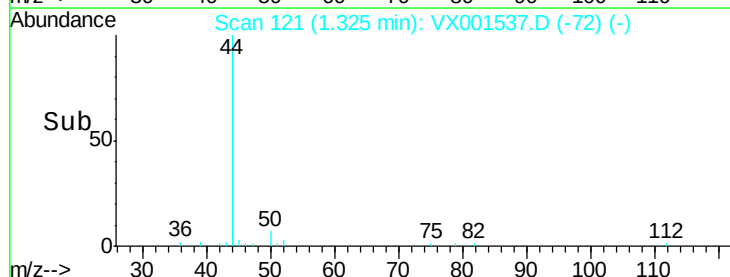


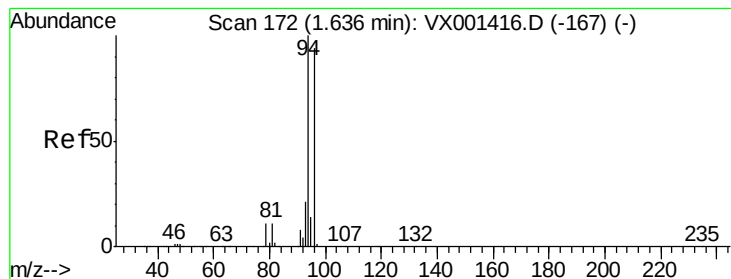
Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

1.32

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 176

Delta R.T. 0.03 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

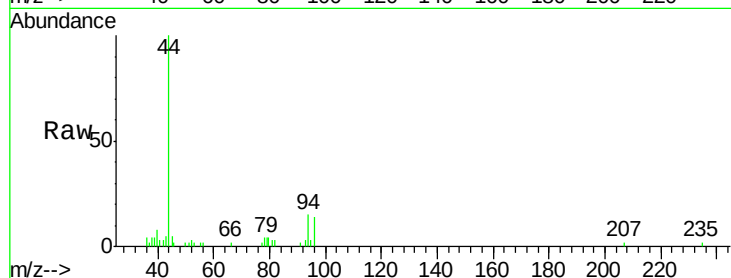
CL-01-050718-B

Tgt Ion: 94 Resp: 1053

Ion Ratio Lower Upper

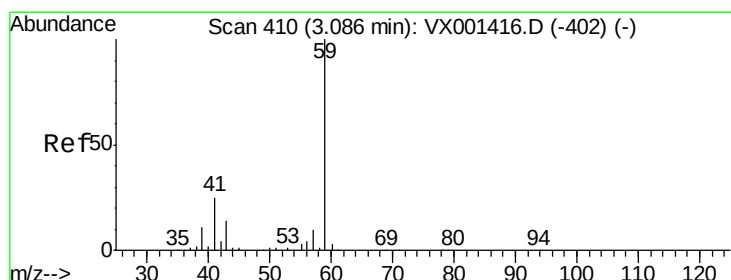
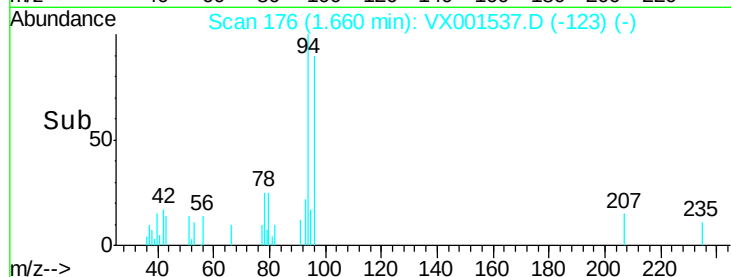
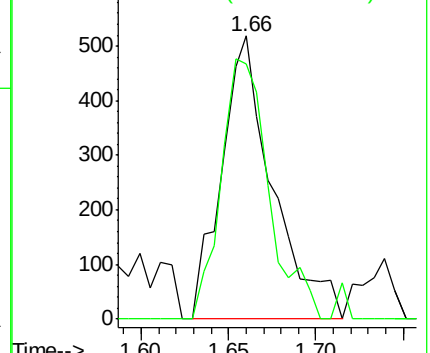
94 100

96 90.3 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: 2.17 ug/l

RT: 3.02 min Scan# 399

Delta R.T. -0.07 min

Lab File: VX001537.D

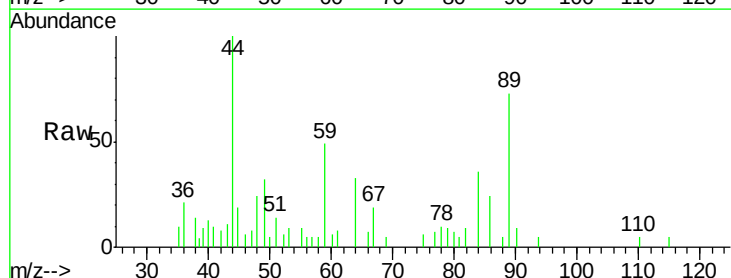
Acq: 09 May 2018 02:28

Tgt Ion: 59 Resp: 1569

Ion Ratio Lower Upper

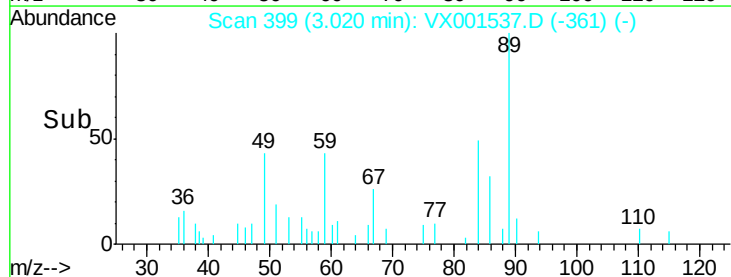
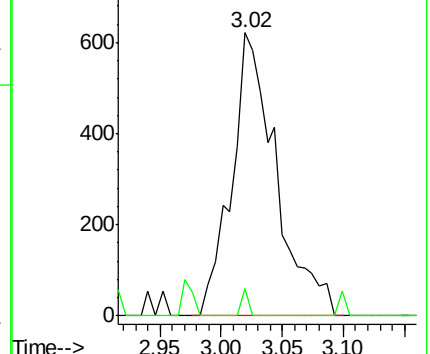
59 100

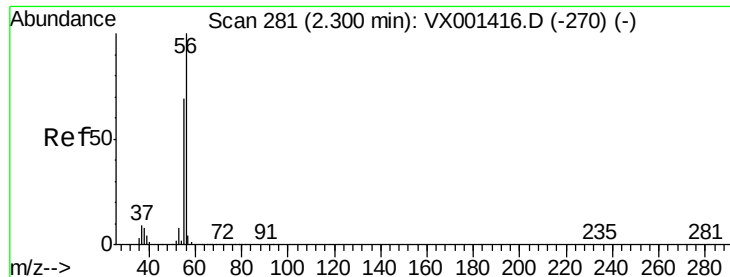
57 1.4 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: Below Cal

RT: 2.28 min Scan# 278

Delta R.T. -0.02 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

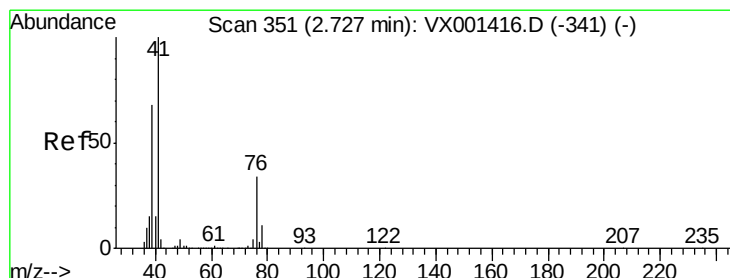
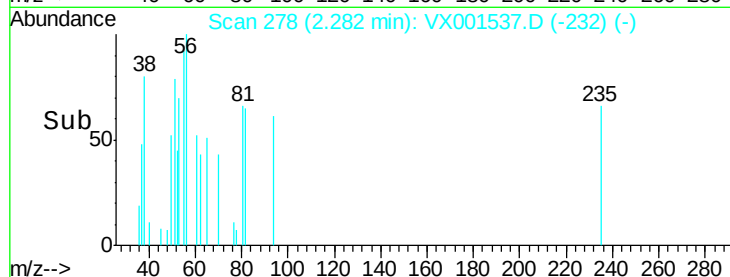
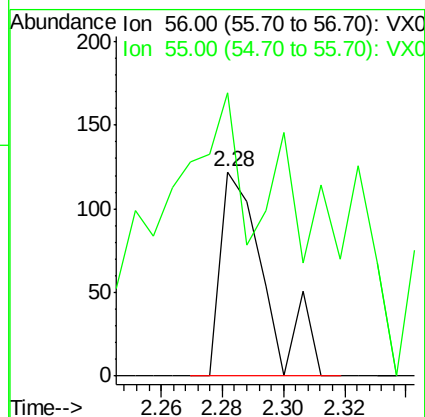
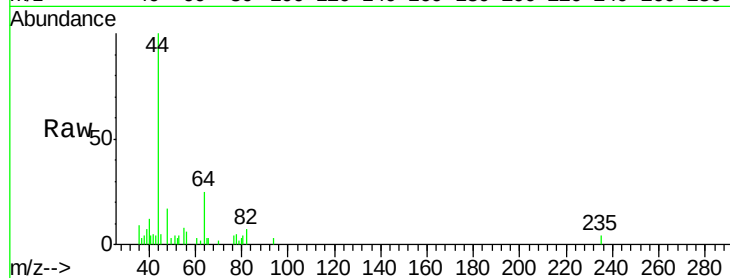
CL-01-050718-B

Tgt Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 288.4 54.5 81.7#



#14

Allyl chloride

Concen: 15.79 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.13 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

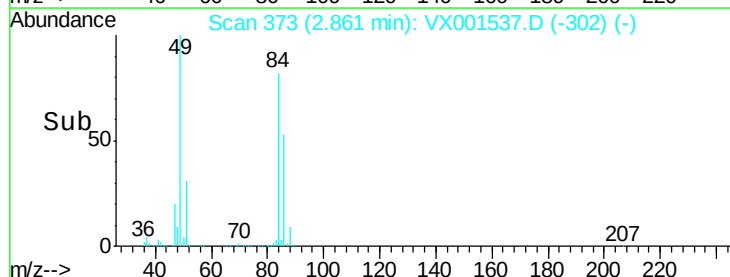
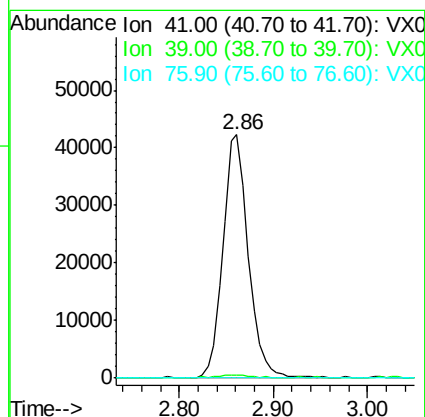
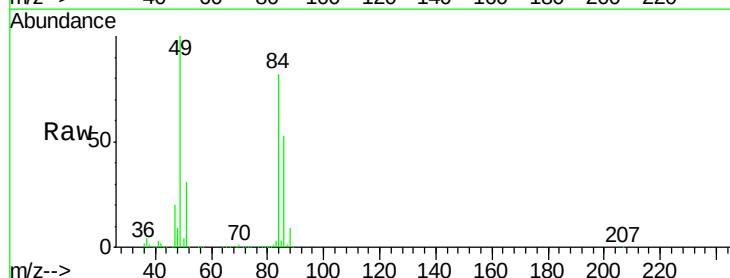
Tgt Ion: 41 Resp: 77706

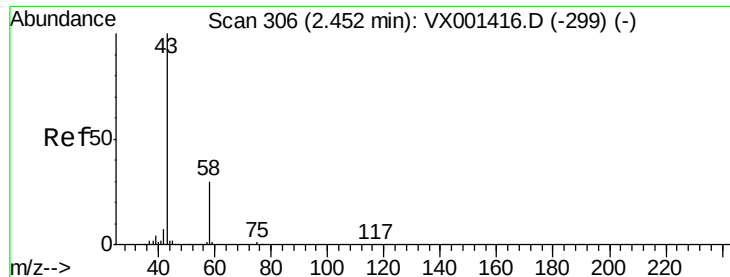
Ion Ratio Lower Upper

41 100

39 1.4 52.4 78.6#

76 0.0 25.8 38.6#





#16

Acetone

Concen: 2.88 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

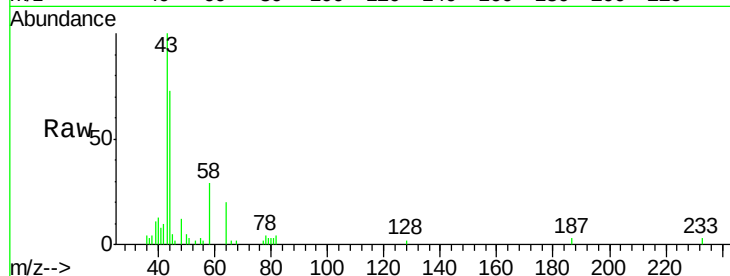
CL-01-050718-B

Tgt Ion: 43 Resp: 4487

Ion Ratio Lower Upper

43 100

58 30.0 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

2500

2000

1500

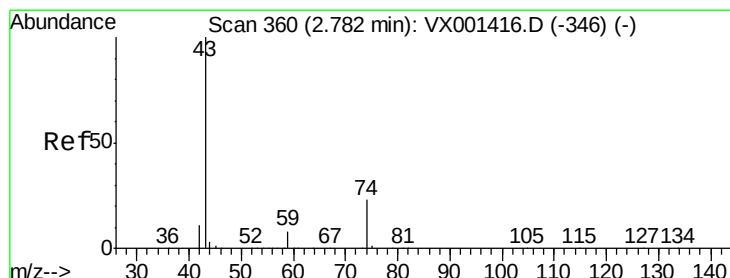
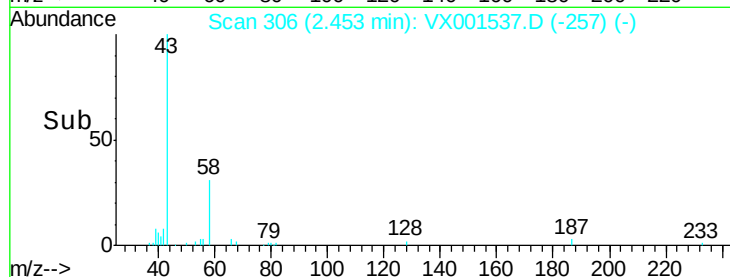
1000

500

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: 1.30 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001537.D

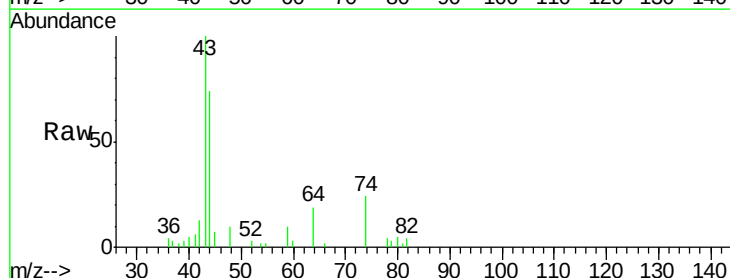
Acq: 09 May 2018 02:28

Tgt Ion: 43 Resp: 5317

Ion Ratio Lower Upper

43 100

74 25.7 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

5000

4000

3000

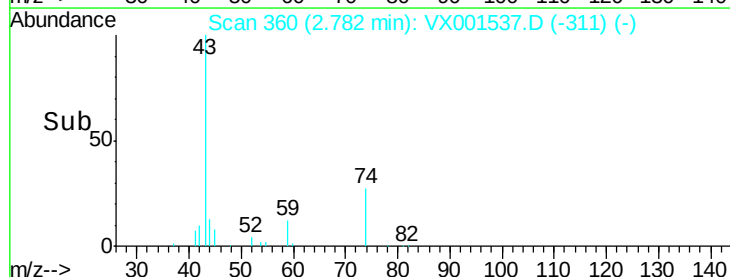
2000

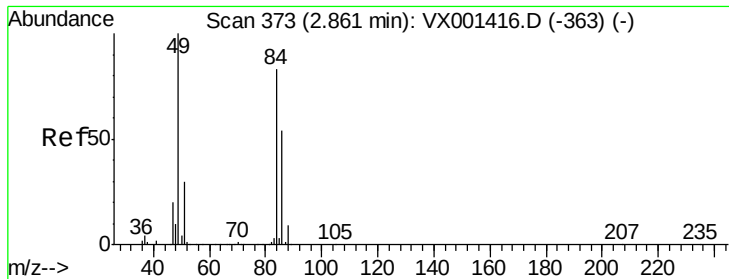
1000

0

2.70 2.75 2.80 2.85

Time-->



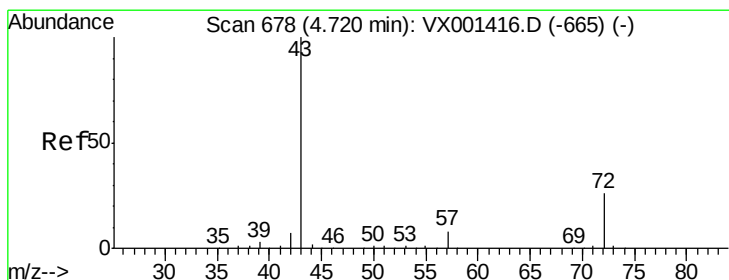
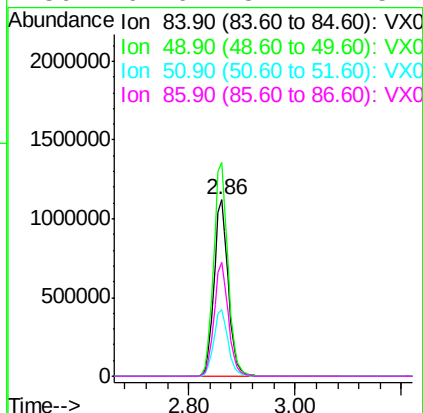
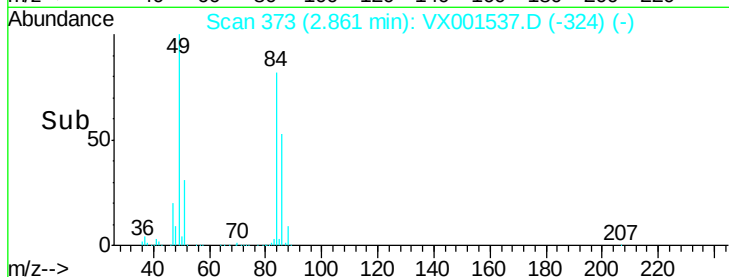
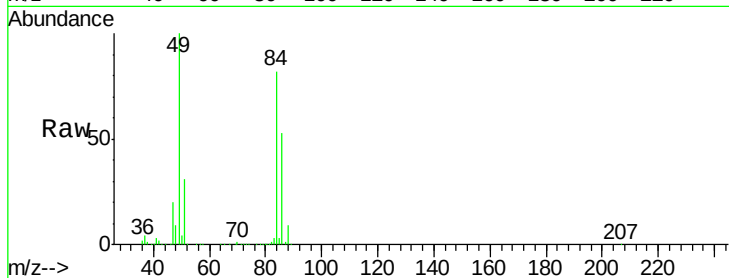


#20
Methylene Chloride
Concen: 670.83 ug/l
RT: 2.86 min Scan# 373
Delta R.T. 0.00 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

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

Tgt Ion: 84 Resp: 2067785

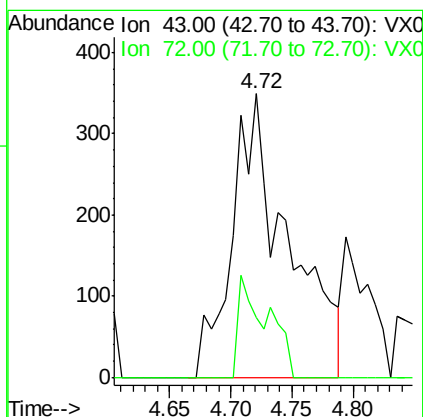
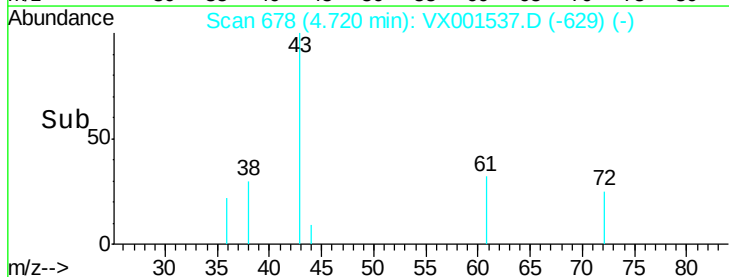
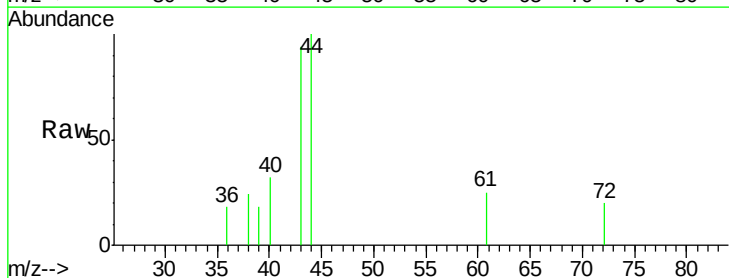
Ion	Ratio	Lower	Upper
84	100		
49	121.2	96.6	144.8
51	37.5	29.0	43.4
86	64.6	52.2	78.4

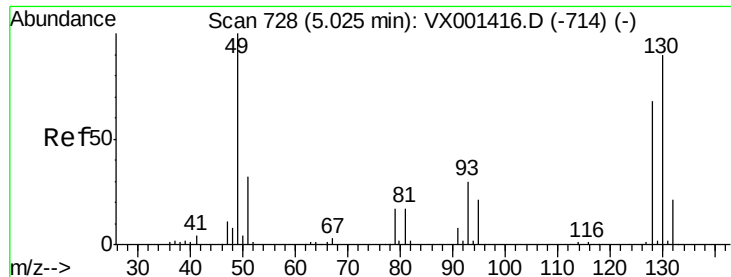


#25
2-Butanone
Concen: 0.49 ug/l
RT: 4.72 min Scan# 678
Delta R.T. 0.00 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

Tgt Ion: 43 Resp: 1101

Ion	Ratio	Lower	Upper
43	100		
72	20.9	20.7	31.1





#28

Bromochloromethane

Concen: 0.22 ug/l

RT: 5.05 min Scan# 732

Delta R.T. 0.02 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-B

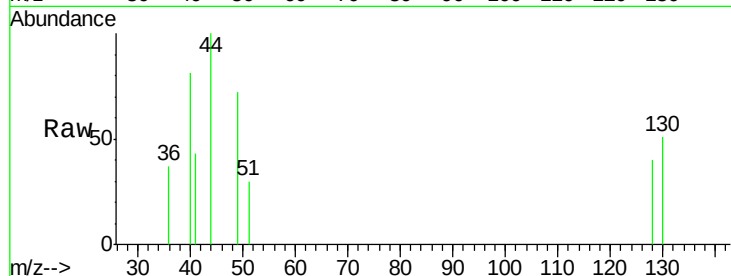
Tgt Ion: 49 Resp: 485

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.8

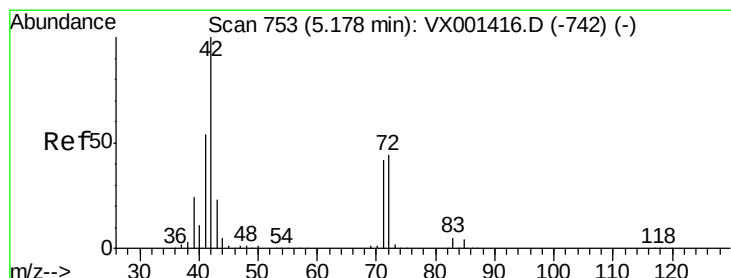
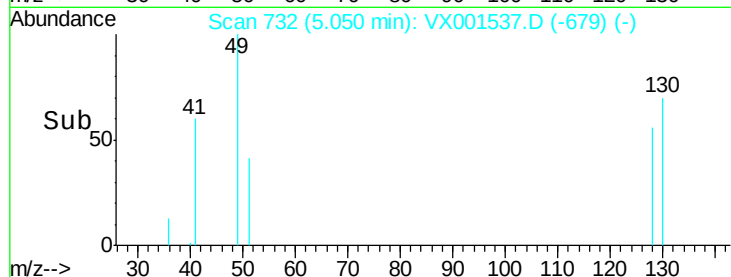
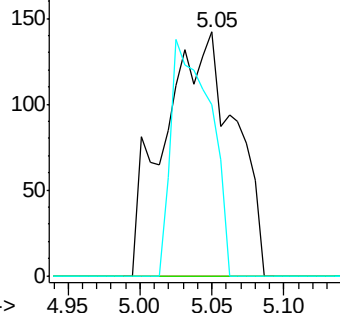
130 0.0 71.9 107.9#



Abundance Ion 48.90 (48.60 to 49.60): VX0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V



#29

Tetrahydrofuran

Concen: 0.44 ug/l

RT: 5.20 min Scan# 756

Delta R.T. 0.02 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

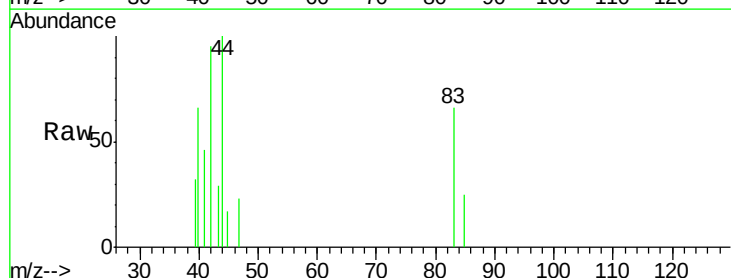
Tgt Ion: 42 Resp: 633

Ion Ratio Lower Upper

42 100

72 13.6 35.4 53.2#

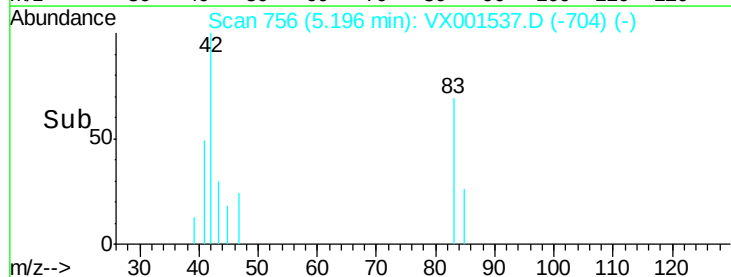
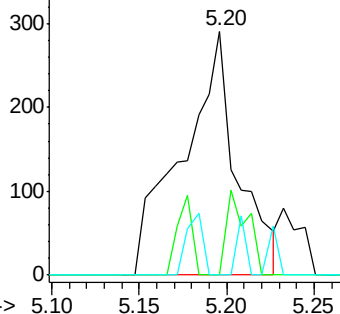
71 4.1 33.0 49.4#

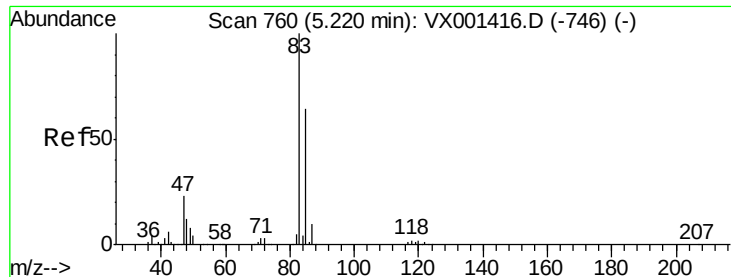


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0

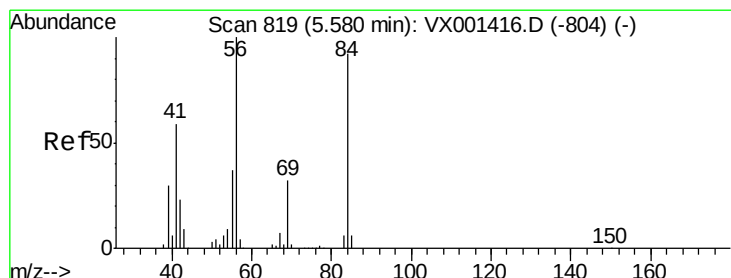
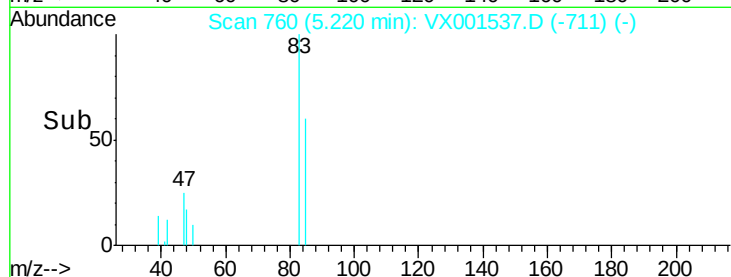
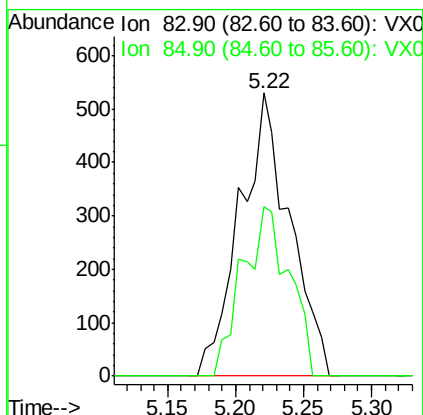
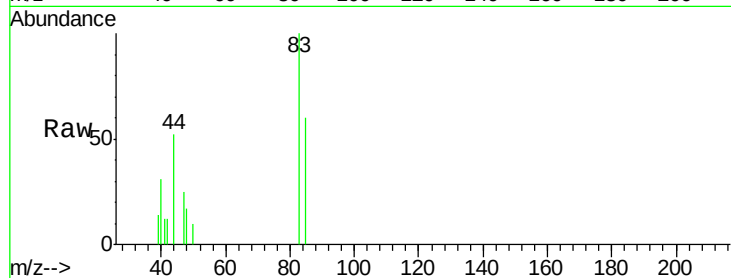




#30
Chloroform
Concen: 0.26 ug/l
RT: 5.22 min Scan# 760
Delta R.T. 0.00 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

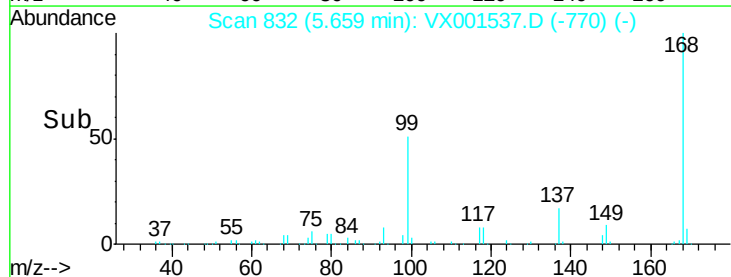
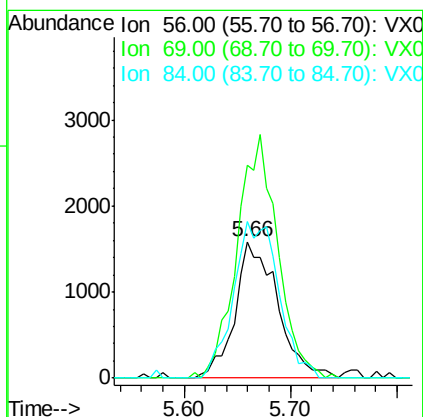
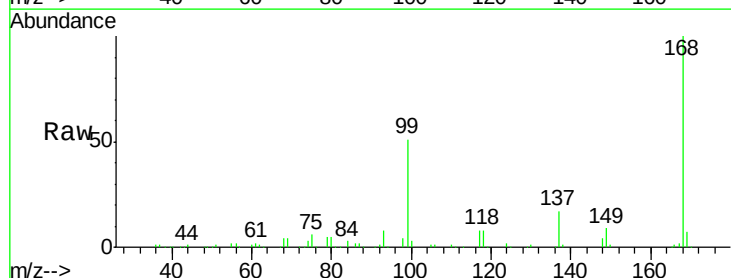
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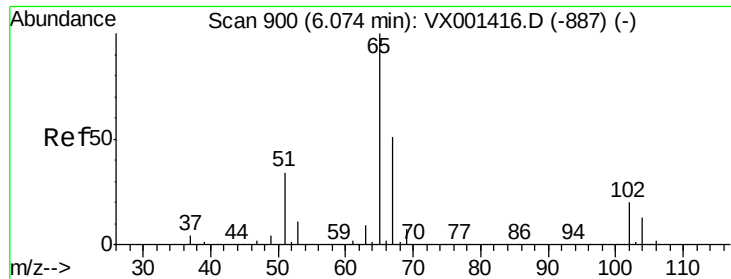
Tgt Ion: 83 Resp: 1355
Ion Ratio Lower Upper
83 100
85 59.8 51.0 76.4



#31
Cyclohexane
Concen: 1.01 ug/l
RT: 5.66 min Scan# 832
Delta R.T. 0.08 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

Tgt Ion: 56 Resp: 4439
Ion Ratio Lower Upper
56 100
69 156.1 25.4 38.0#
84 114.5 73.8 110.8#

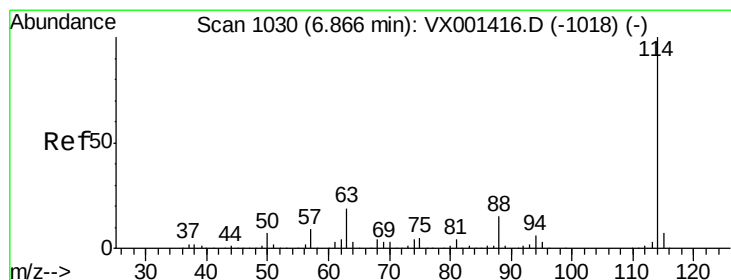
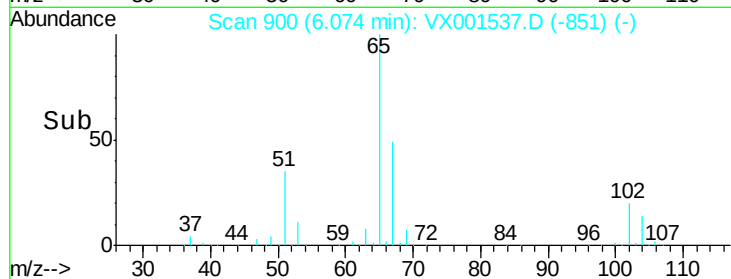
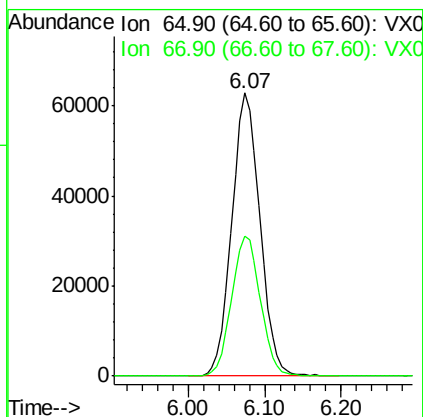
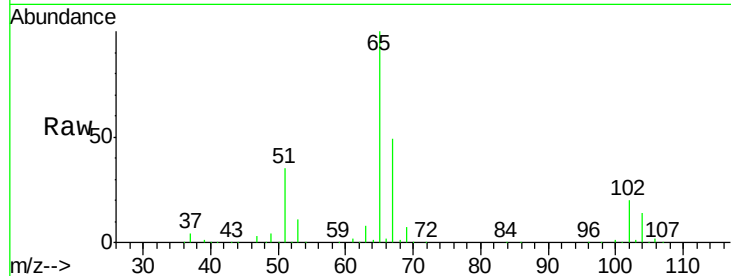




#33
 1,2-Dichloroethane-d4
 Concen: 46.81 ug/l
 RT: 6.07 min Scan# 900
 Delta R.T. 0.00 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

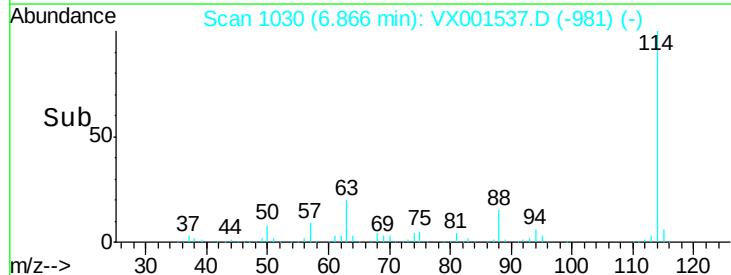
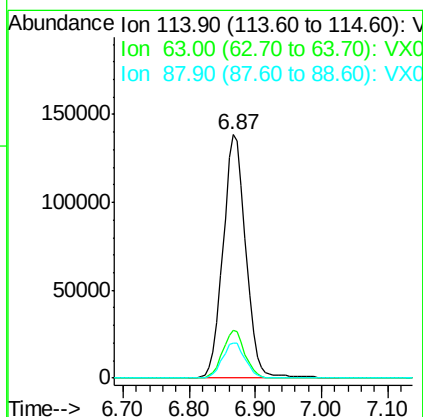
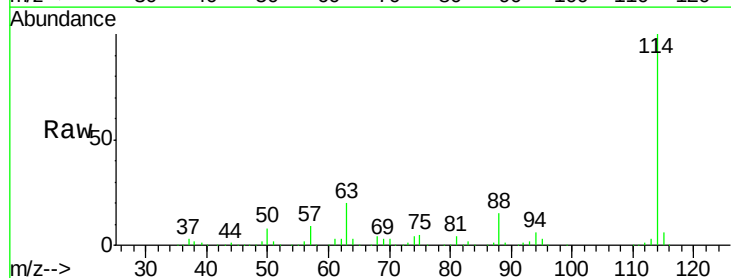
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-B

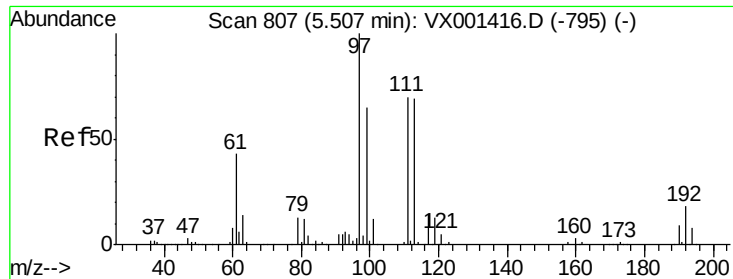
Tgt Ion: 65 Resp: 160479
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. 0.00 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

Tgt Ion: 114 Resp: 331248
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 38.6
 88 14.6 0.0 30.8

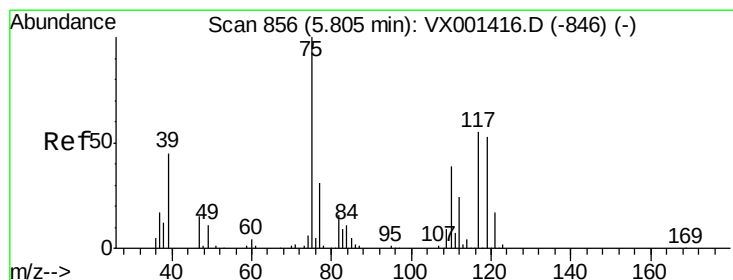
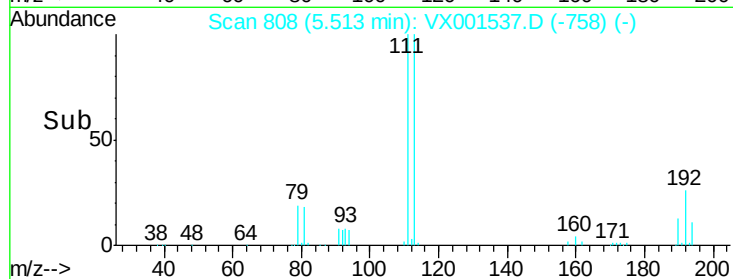
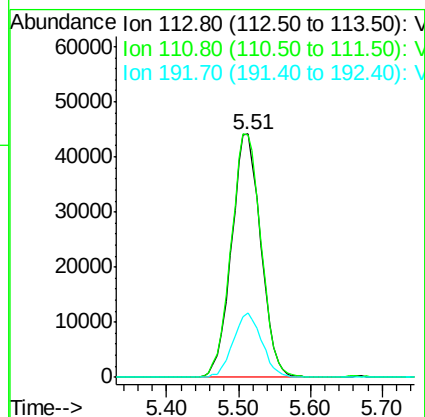
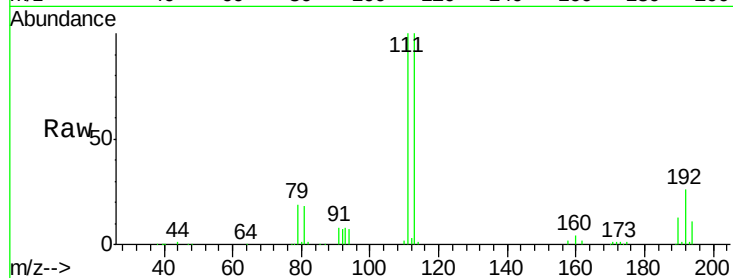




#35
 Dibromofluoromethane
 Concen: 42.47 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.01 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

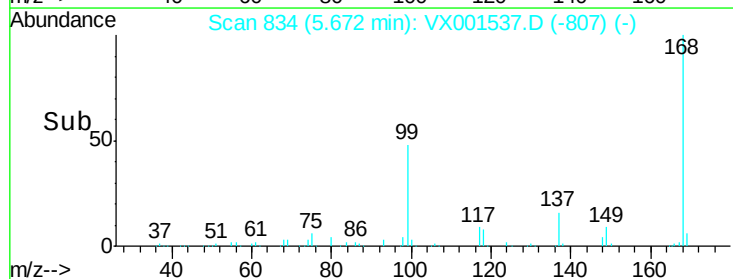
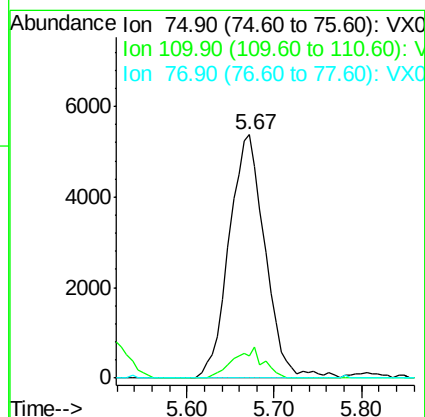
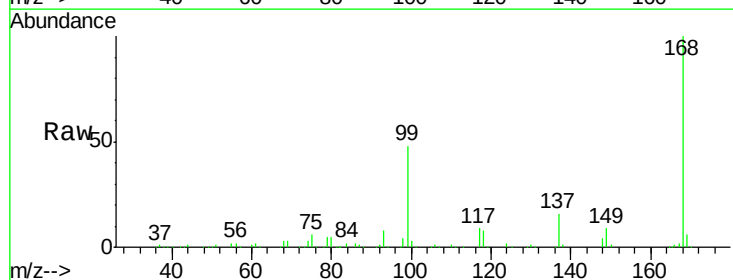
Instrument :
 MSVOA_X
 ClientSampleId :
 CL-01-050718-B

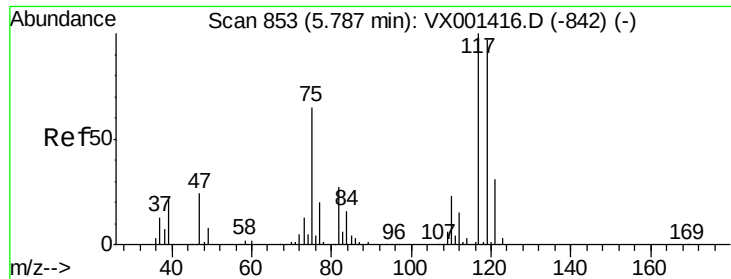
Tgt Ion:113 Resp: 125120
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.2 123.2
 192 25.9 21.4 32.0



#36
 1,1-Dichloropropene
 Concen: 3.63 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.13 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

Tgt Ion: 75 Resp: 15313
 Ion Ratio Lower Upper
 75 100
 110 10.4 18.9 56.7#
 77 0.0 24.9 37.3#





#38

Carbon Tetrachloride

Concen: 4.64 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.12 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-B

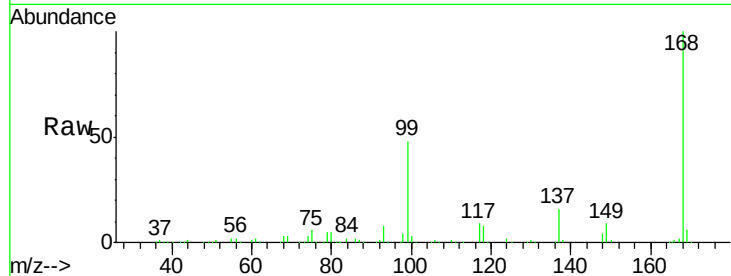
Tgt Ion:117 Resp: 20874

Ion Ratio Lower Upper

117 100

119 4.7 77.0 115.6#

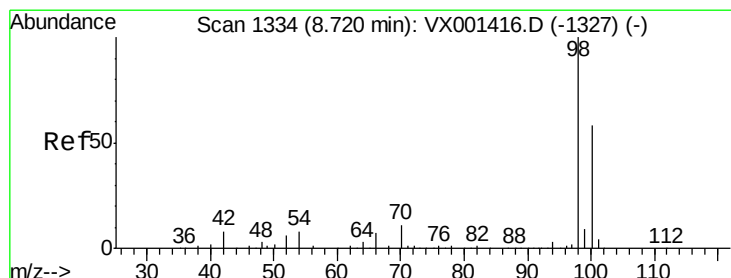
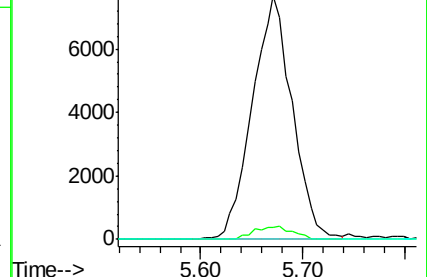
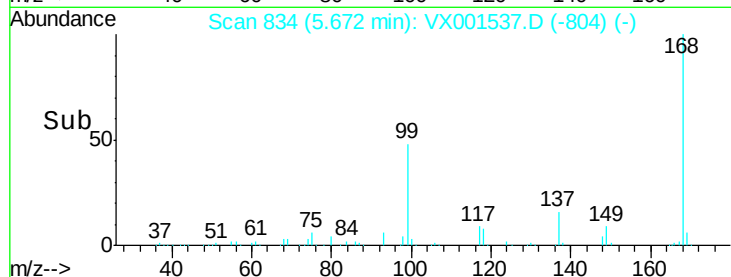
121 0.0 25.1 37.7#



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: 42.18 ug/l

RT: 8.72 min Scan# 1334

Delta R.T. 0.00 min

Lab File: VX001537.D

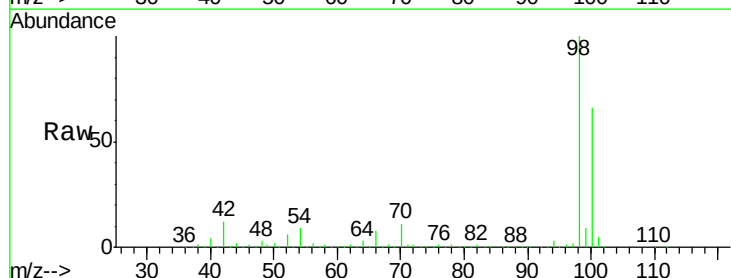
Acq: 09 May 2018 02:28

Tgt Ion: 98 Resp: 453691

Ion Ratio Lower Upper

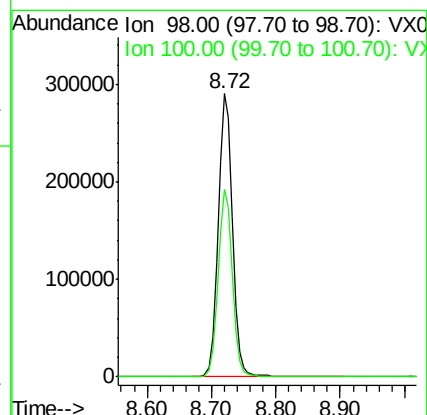
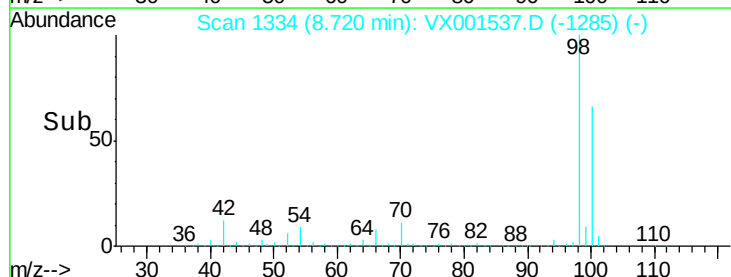
98 100

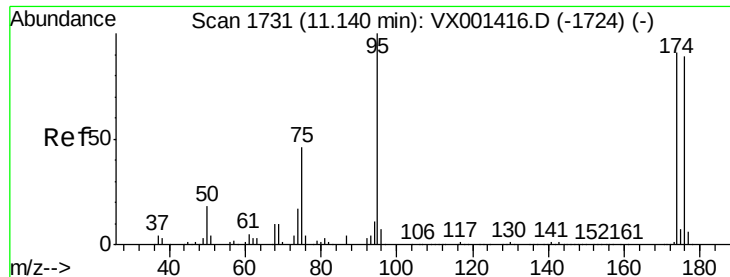
100 65.8 54.0 81.0



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

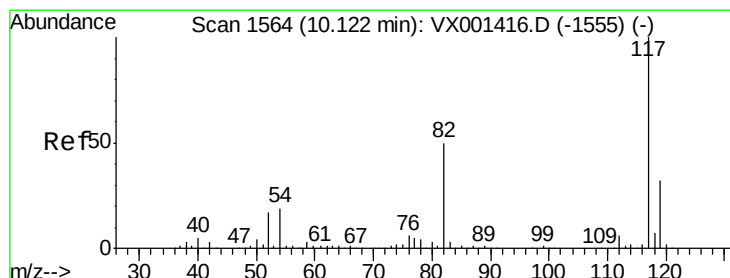
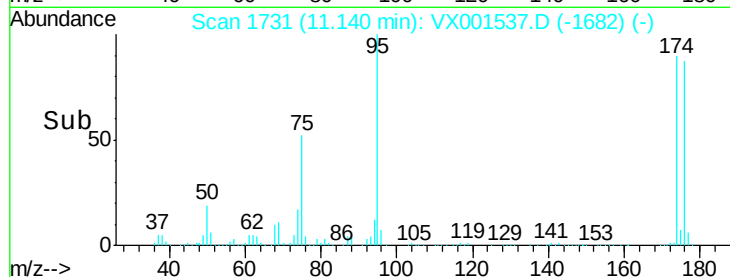
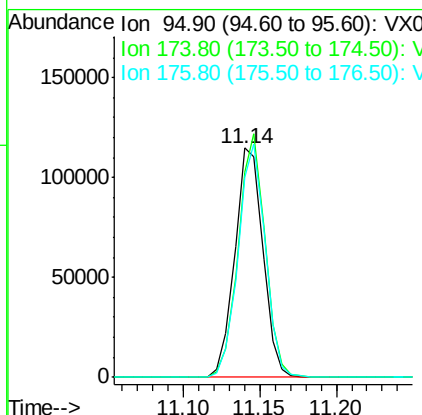
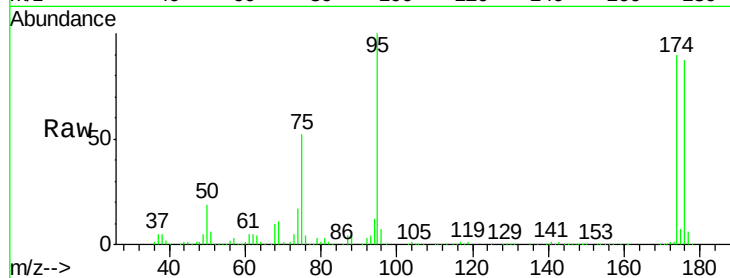




#62
4-Bromofluorobenzene
Concen: 35.52 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

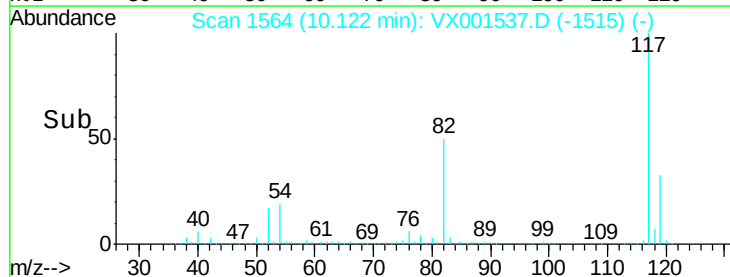
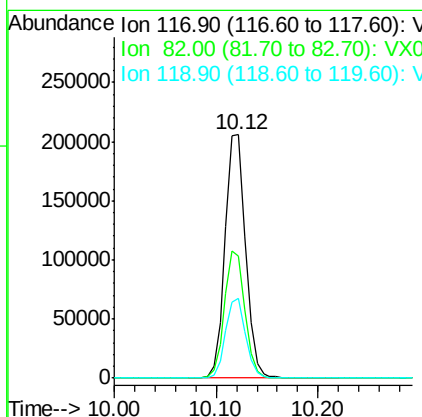
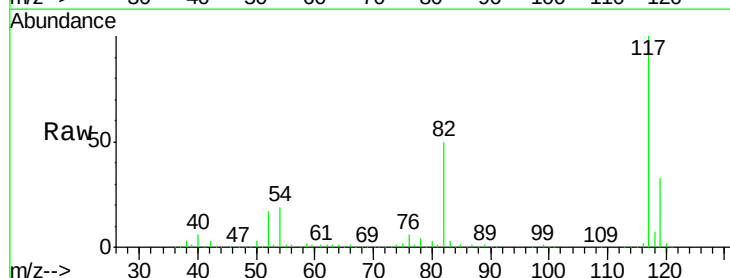
Instrument :
MSVOA_X
ClientSampleId :
CL-01-050718-B

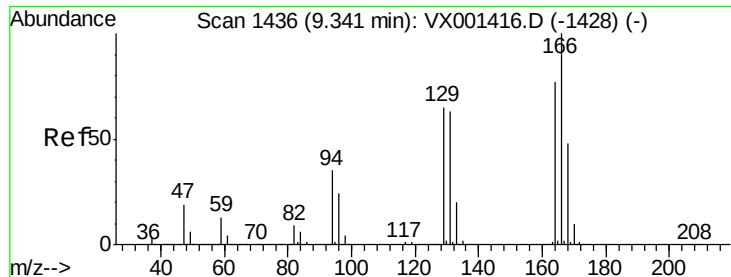
Tgt Ion: 95 Resp: 146653
Ion Ratio Lower Upper
95 100
174 100.9 0.0 202.0
176 97.7 0.0 197.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.00 min
Lab File: VX001537.D
Acq: 09 May 2018 02:28

Tgt Ion: 117 Resp: 287556
Ion Ratio Lower Upper
117 100
82 50.1 40.0 60.0
119 32.9 25.8 38.8





#64

Tetrachloroethene

Concen: 0.22 ug/l

RT: 9.34 min Scan# 1435

Delta R.T. -0.01 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

CL-01-050718-B

Tgt Ion:164 Resp: 878

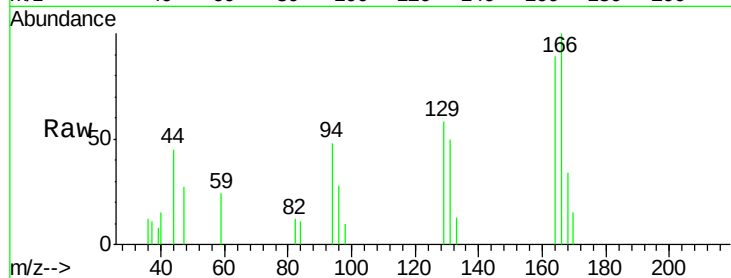
Ion Ratio Lower Upper

164 100

166 112.0 103.5 155.3

129 65.1 66.7 100.1#

131 55.7 64.9 97.3#



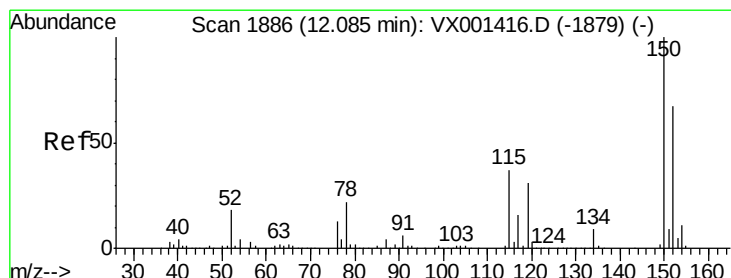
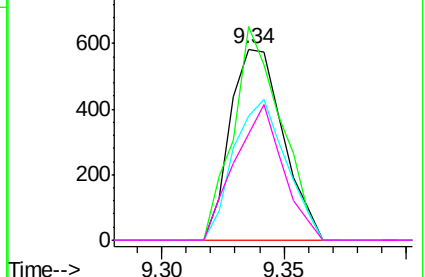
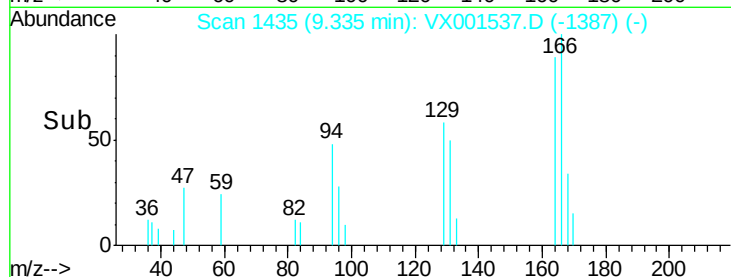
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

Time-->



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

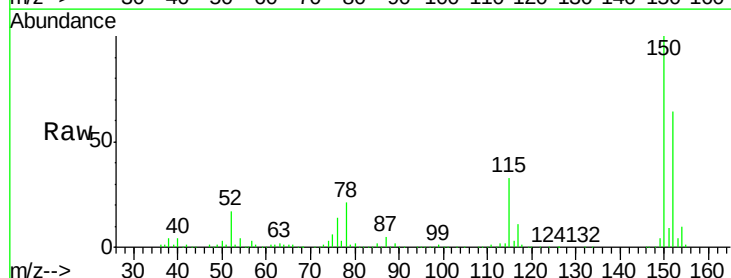
Tgt Ion:152 Resp: 156062

Ion Ratio Lower Upper

152 100

115 53.1 37.7 113.1

150 156.2 0.0 349.4

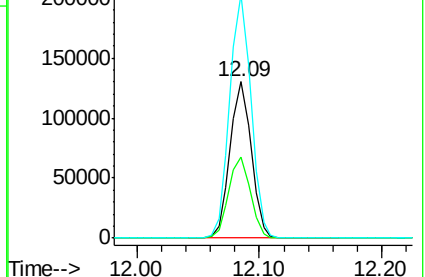
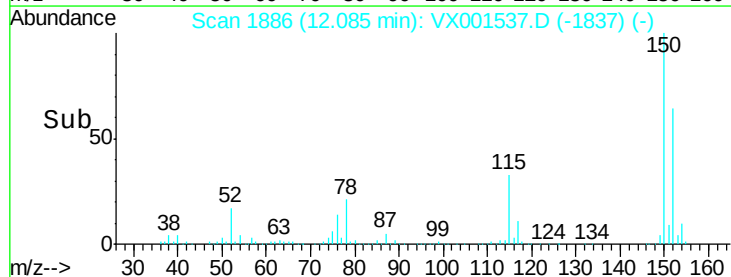


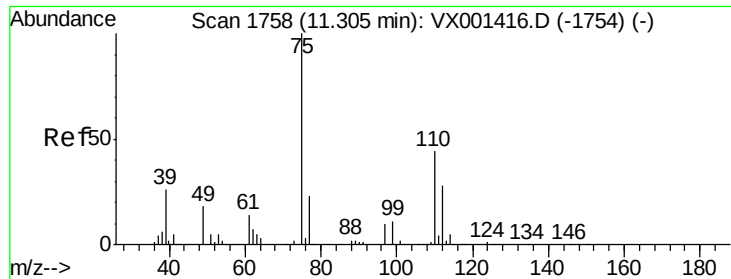
Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

Time-->





#76

1,2,3-Trichloropropane

Concen: 23.39 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. -0.16 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

Instrument :

MSVOA_X

ClientSampleId :

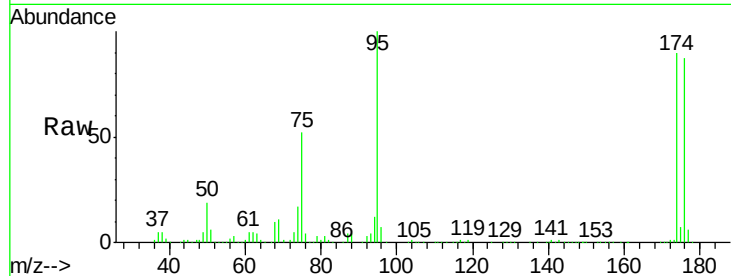
CL-01-050718-B

Tgt Ion: 75 Resp: 74034

Ion Ratio Lower Upper

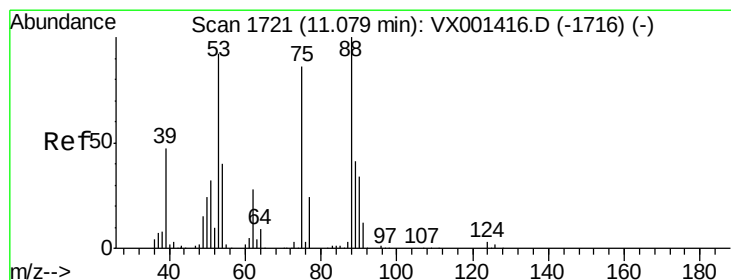
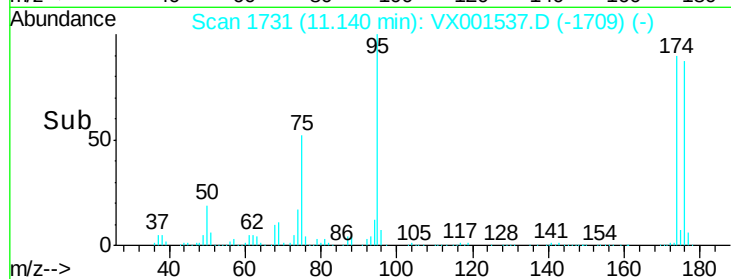
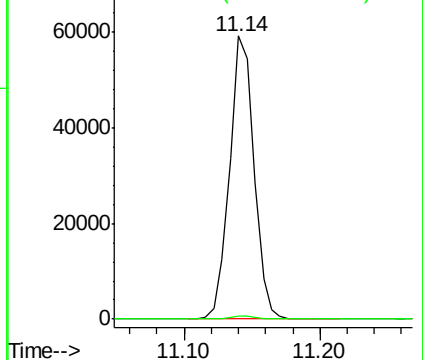
75 100

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: 72.47 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.06 min

Lab File: VX001537.D

Acq: 09 May 2018 02:28

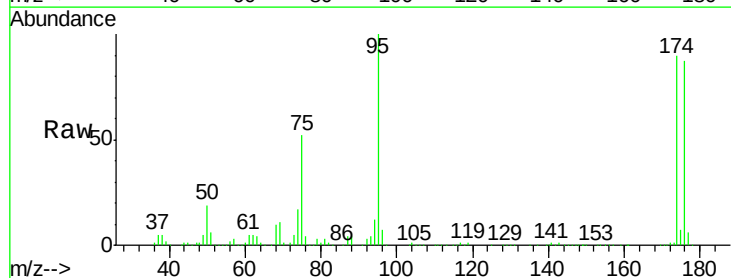
Tgt Ion: 75 Resp: 74034

Ion Ratio Lower Upper

75 100

53 0.1 84.5 126.7#

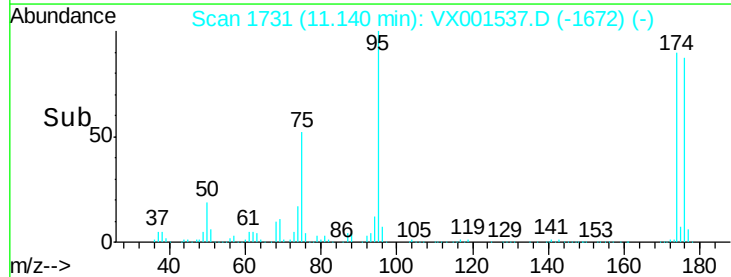
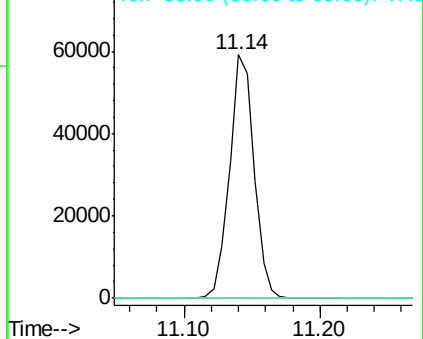
89 0.0 39.5 59.3#

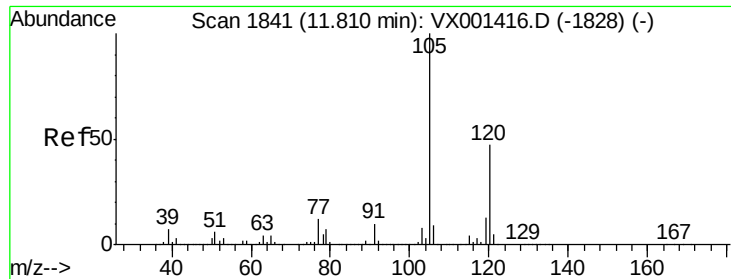


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

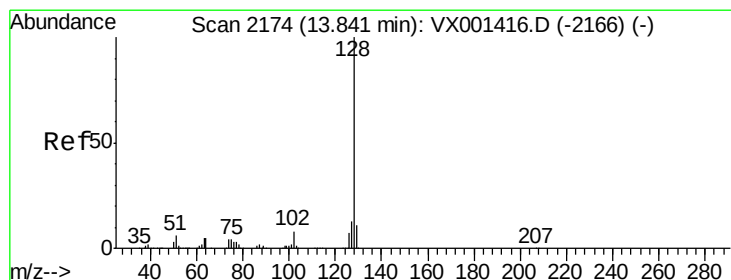
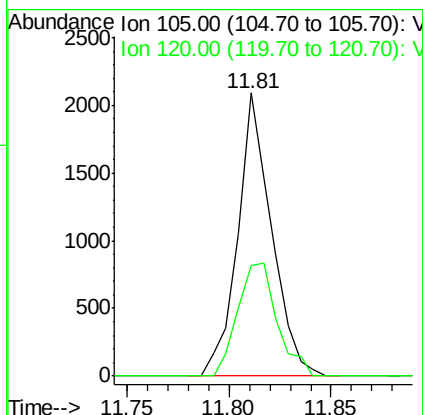
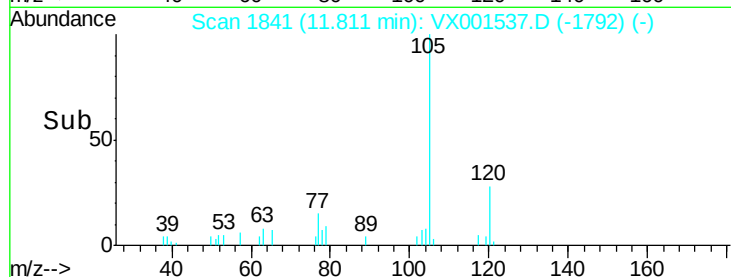
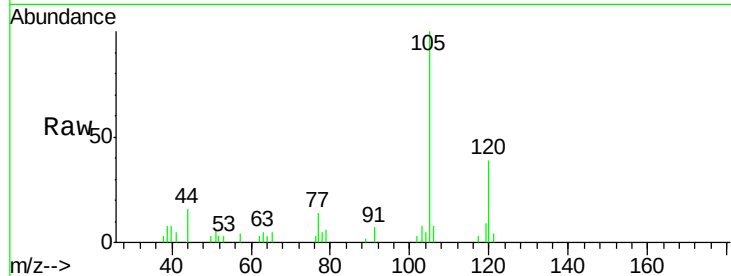




#84
 1,2,4-Trimethylbenzene
 Concen: 0.26 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

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

Tgt Ion:105 Resp: 2404
 Ion Ratio Lower Upper
 105 100
 120 46.5 23.4 70.2



#95
 Naphthalene
 Concen: 10.04 ug/l
 RT: 13.84 min Scan# 2174
 Delta R.T. 0.00 min
 Lab File: VX001537.D
 Acq: 09 May 2018 02:28

Tgt Ion:128 Resp: 116041
 Ion Ratio Lower Upper
 128 100
 127 12.9 10.4 15.6
 129 11.3 8.7 13.1

