

Data File : VX000517.D
Acq On : 29 Mar 2018 17:15
Operator : JC/MD
Sample : J2097-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
LIP-16

Quant Time: Mar 30 06:54:21 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 21 04:52:42 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	120993	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	221828	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	219251	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	120779	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	89362	56.58	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.16%	
35) Dibromofluoromethane	5.51	113	68862	49.27	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.54%	
50) Toluene-d8	8.73	98	278319	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.15	95	102183	42.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.58%	

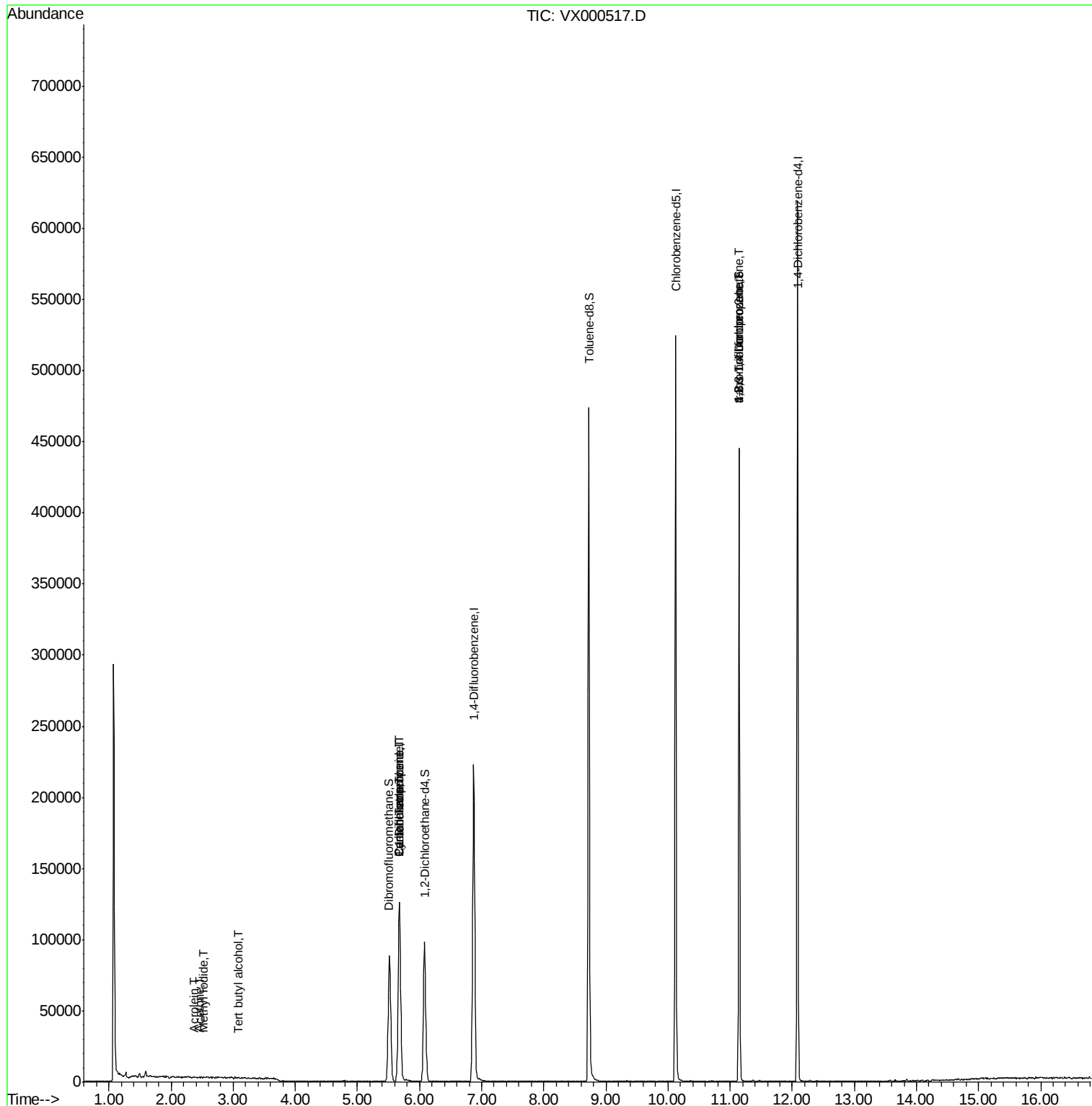
Target Compounds			Qvalue			
6) Chloroethane	1.73	64	125	Below Cal	#	44
10) Methyl Iodide	2.53	142	48	4.31	ug/l #	37
11) Tert butyl alcohol	3.08	59	929	1.71	ug/l	98
13) Acrolein	2.36	56	47	14.83	ug/l #	1
14) Allyl chloride	2.70	41	130	Below Cal	#	18
16) Acetone	2.45	43	1045	0.80	ug/l #	47
31) Cyclohexane	5.67	56	2985	1.50	ug/l #	30
36) 1,1-Dichloropropene	5.68	75	9277	4.46	ug/l #	50
38) Carbon Tetrachloride	5.67	117	11952	5.48	ug/l #	14
74) N-amyl acetate	6.30	43	54	Below Cal	#	59
76) 1,2,3-Trichloropropane	11.15	75	58196	22.42	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.15	75	58196	72.59	ug/l #	9

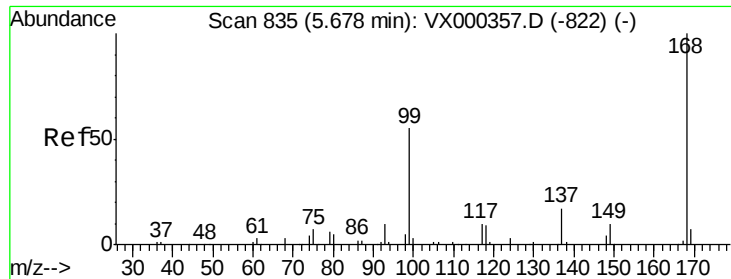
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

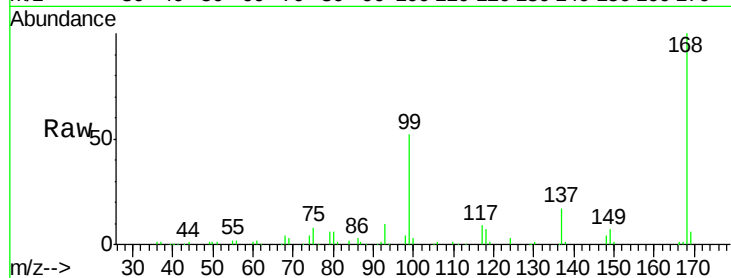
LIP-16

Tgt Ion:168 Resp: 120993

Ion Ratio Lower Upper

168 100

99 51.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

30000

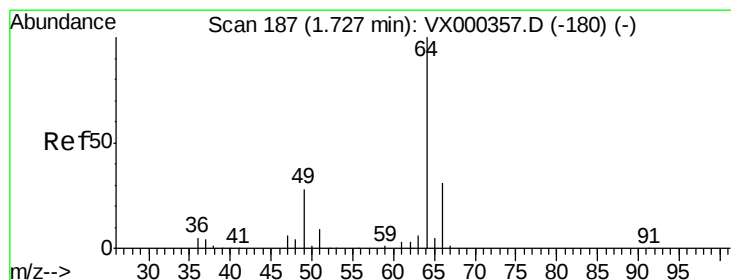
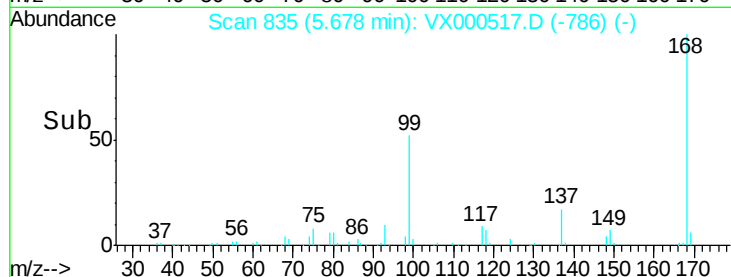
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 187

Delta R.T. 0.00 min

Lab File: VX000517.D

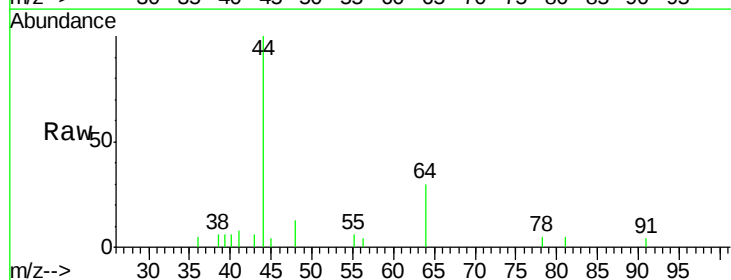
Acq: 29 Mar 2018 17:15

Tgt Ion: 64 Resp: 125

Ion Ratio Lower Upper

64 100

66 0.0 24.8 37.2#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.73

600

500

400

300

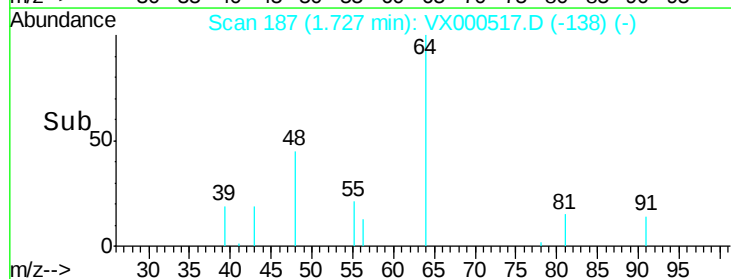
200

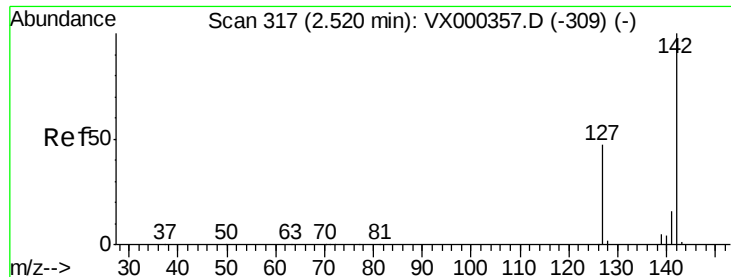
100

0

1.71 1.72 1.73 1.74

Time-->

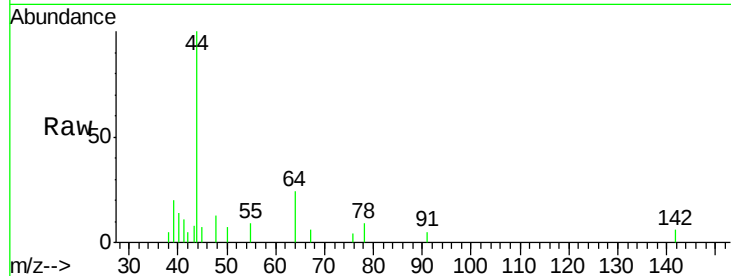




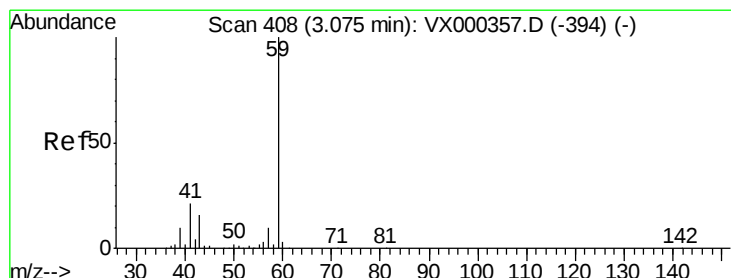
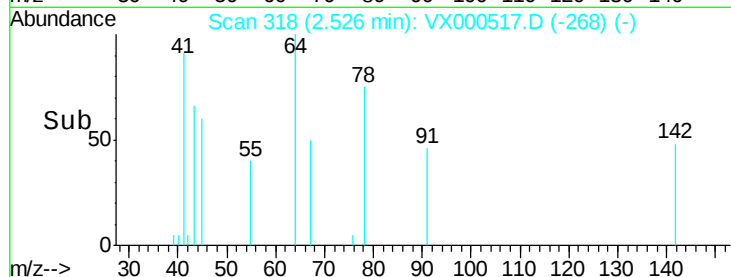
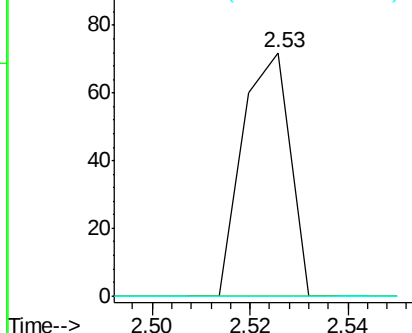
#10
Methyl Iodide
Concen: 4.31 ug/l
RT: 2.53 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX000517.D
Acq: 29 Mar 2018 17:15

Instrument :
MSVOA_X
ClientSampled :
LIP-16

Tgt Ion: 142 Resp: 48
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

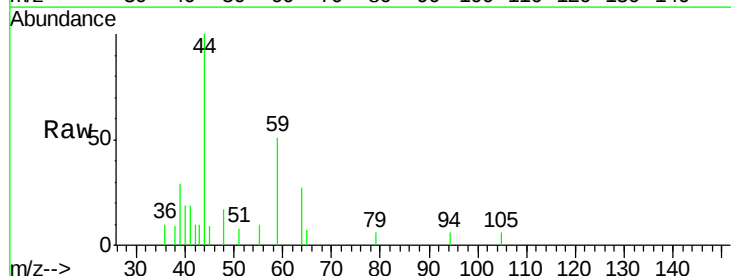


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

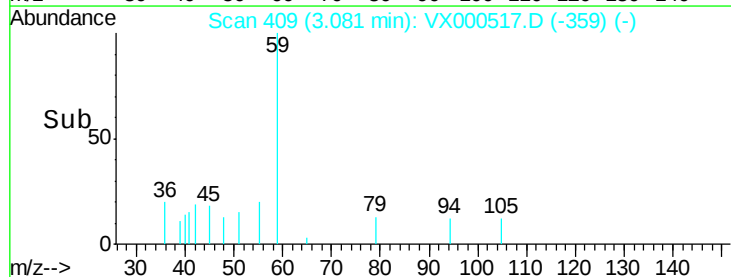
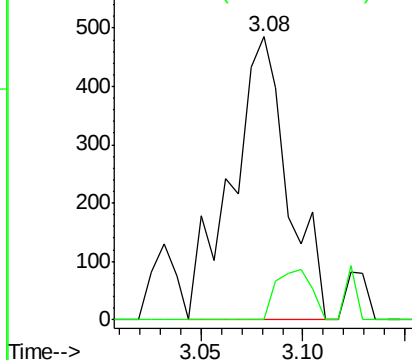


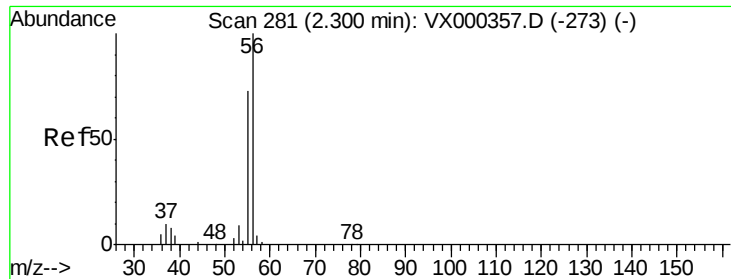
#11
Tert butyl alcohol
Concen: 1.71 ug/l
RT: 3.08 min Scan# 409
Delta R.T. 0.01 min
Lab File: VX000517.D
Acq: 29 Mar 2018 17:15

Tgt Ion: 59 Resp: 929
Ion Ratio Lower Upper
59 100
57 11.3 8.4 12.6



Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 14.83 ug/l

RT: 2.36 min Scan# 291

Delta R.T. 0.06 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampled :

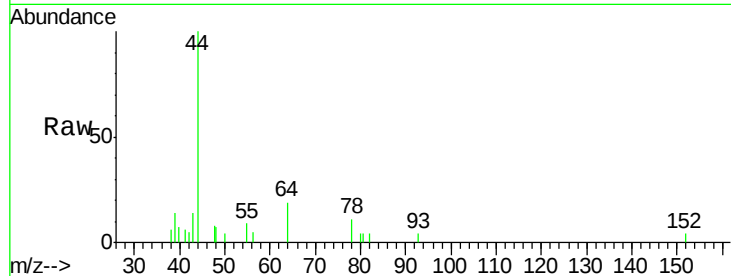
LIP-16

Tgt Ion: 56 Resp: 47

Ion Ratio Lower Upper

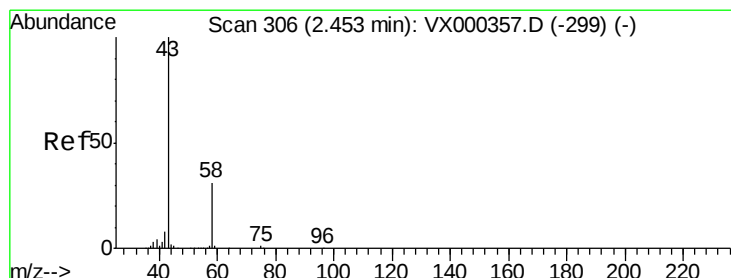
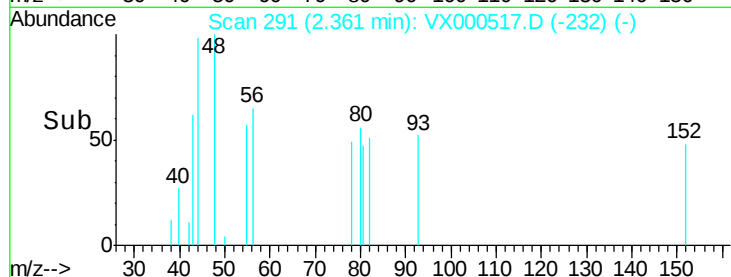
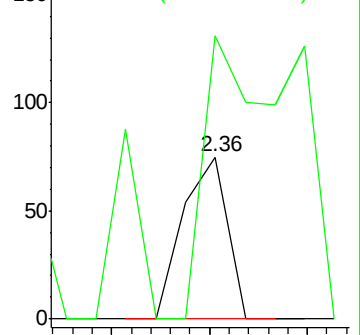
56 100

55 397.9 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 0.80 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000517.D

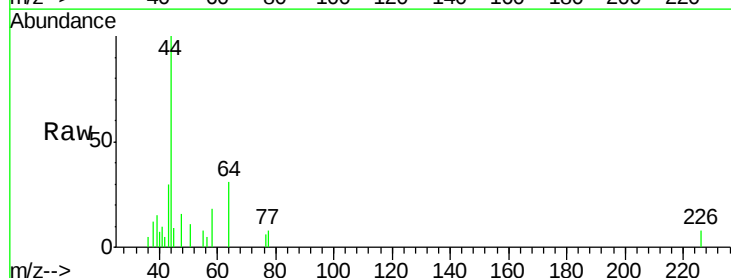
Acq: 29 Mar 2018 17:15

Tgt Ion: 43 Resp: 1045

Ion Ratio Lower Upper

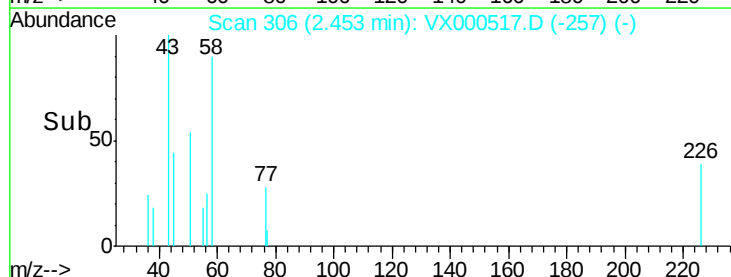
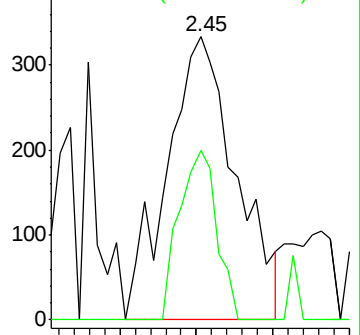
43 100

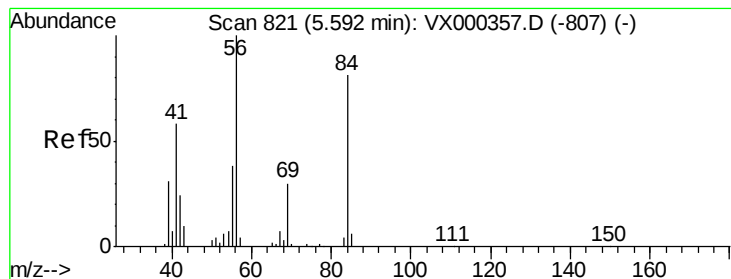
58 59.8 24.7 37.1#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#31

Cyclohexane

Concen: 1.50 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

LIP-16

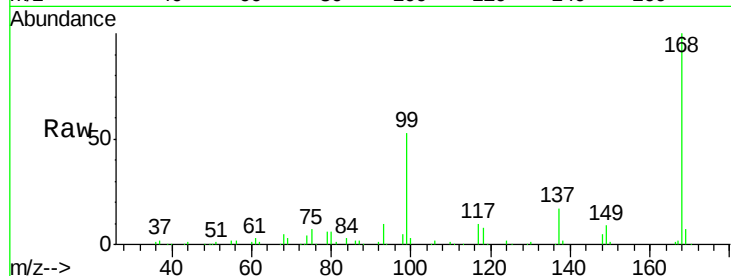
Tgt Ion: 56 Resp: 2985

Ion Ratio Lower Upper

56 100

69 145.3 23.4 35.0#

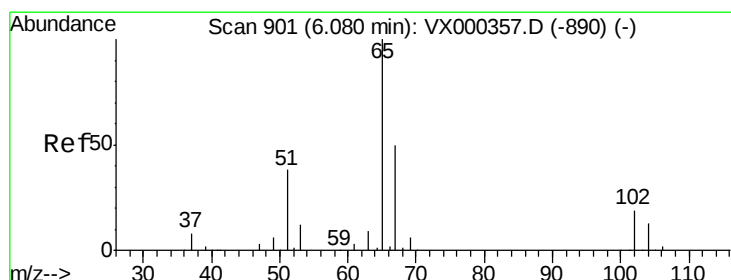
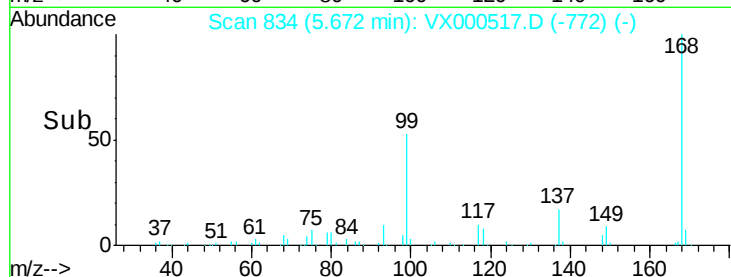
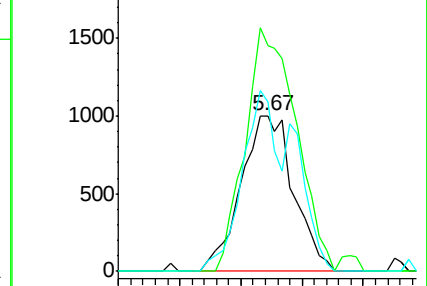
84 108.8 71.0 106.4#



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: 56.58 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000517.D

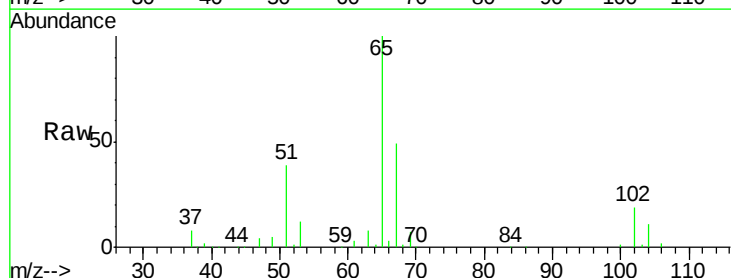
Acq: 29 Mar 2018 17:15

Tgt Ion: 65 Resp: 89362

Ion Ratio Lower Upper

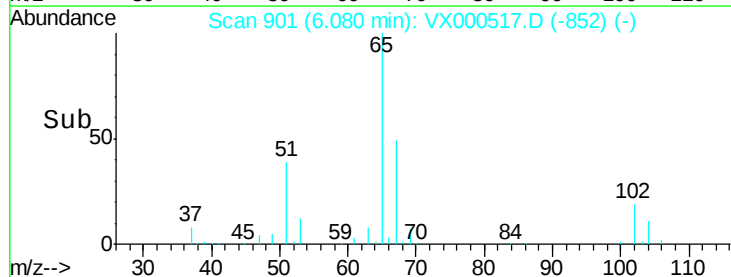
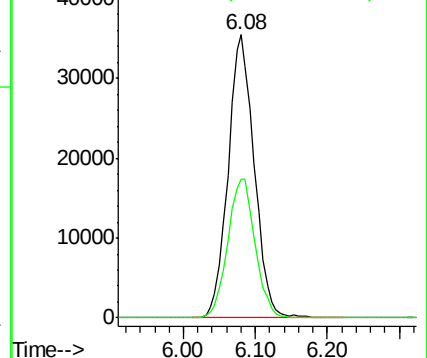
65 100

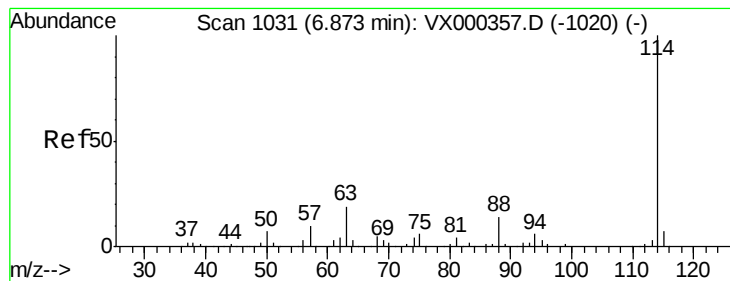
67 51.5 0.0 103.2



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# 1031

Delta R.T. -0.00 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

LIP-16

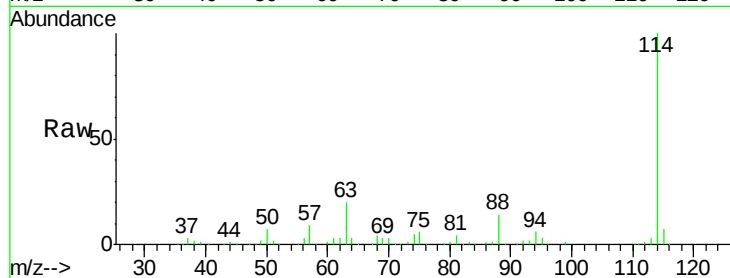
Tgt Ion:114 Resp: 221828

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

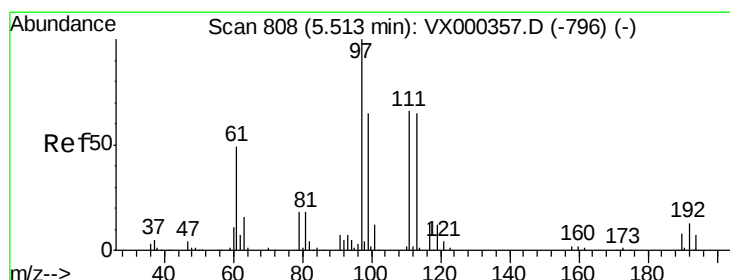
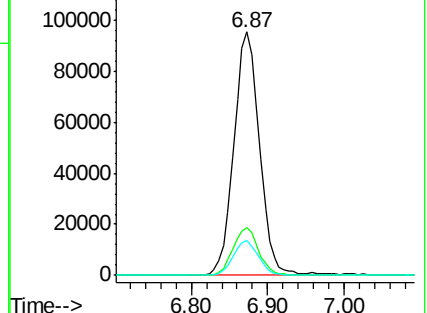
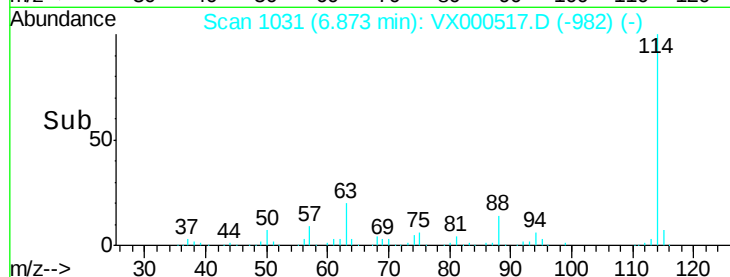
88 14.1 0.0 27.0



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: 49.27 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

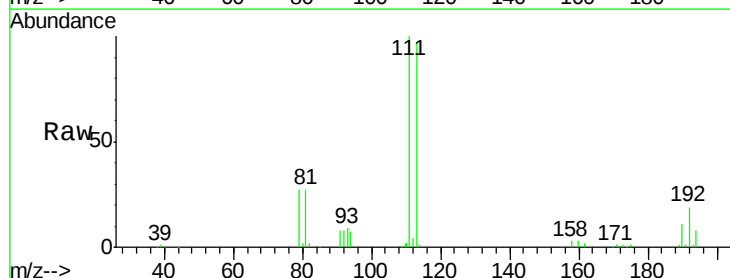
Tgt Ion:113 Resp: 68862

Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

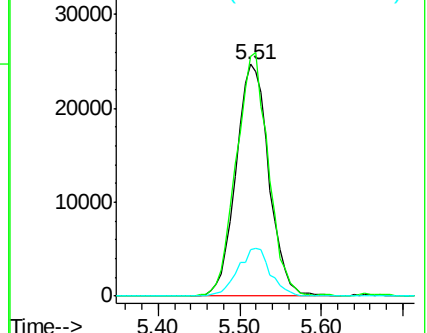
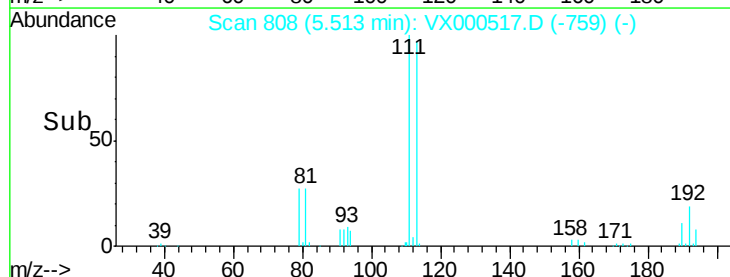
192 20.3 15.8 23.6

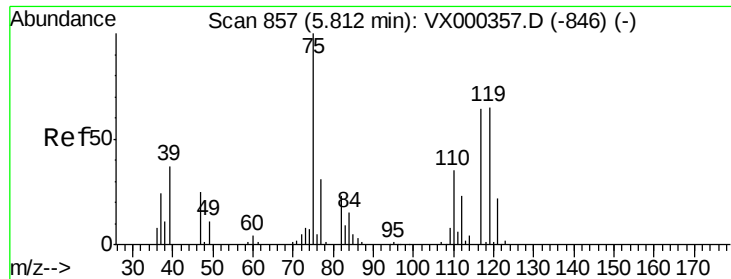


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

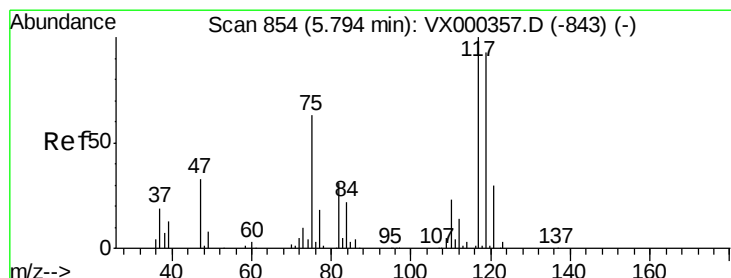
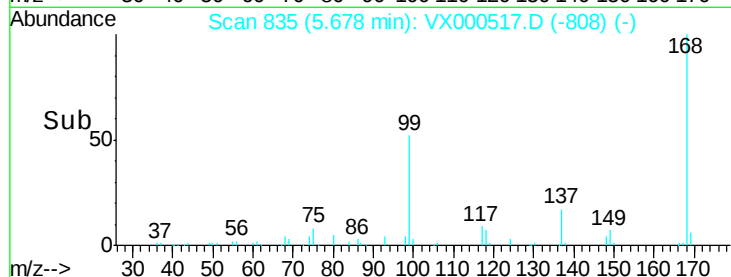
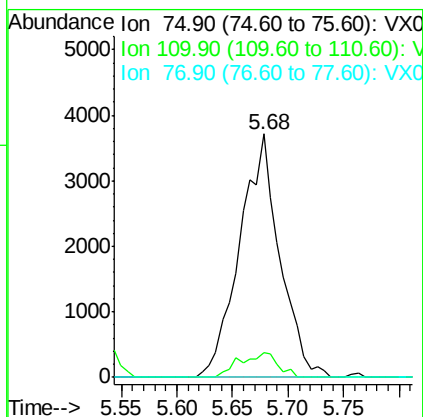
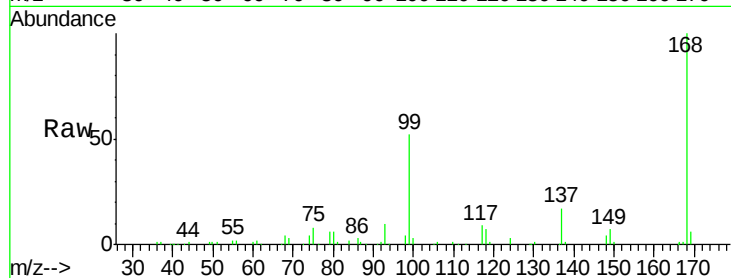




#36
 1,1-Dichloropropene
 Concen: 4.46 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000517.D
 Acq: 29 Mar 2018 17:15

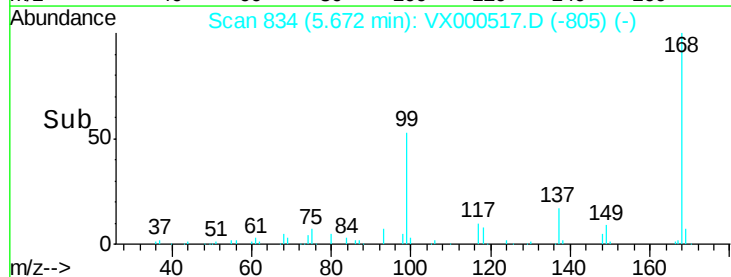
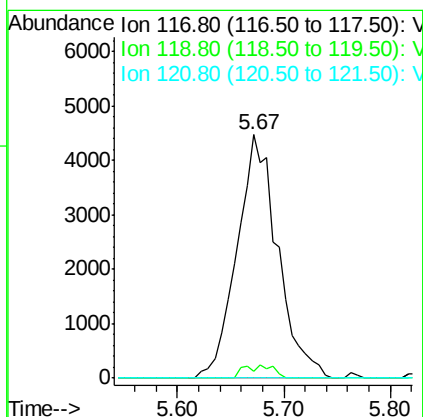
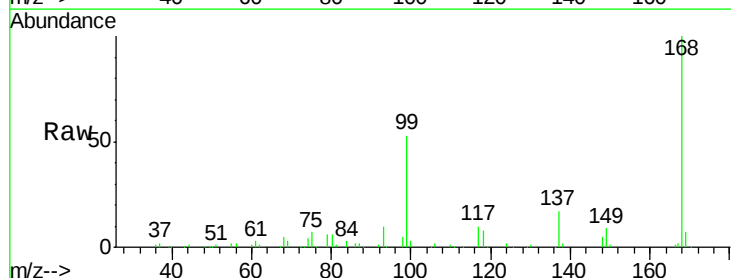
Instrument :
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 LIP-16

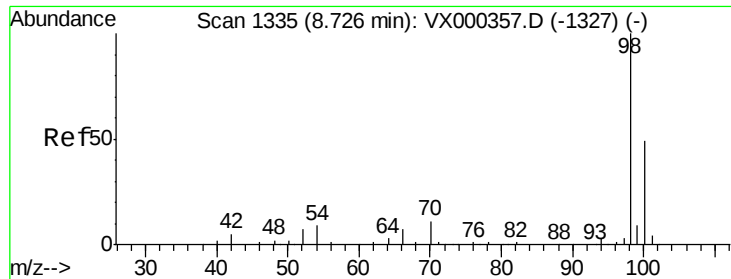
Tgt Ion: 75 Resp: 9277
 Ion Ratio Lower Upper
 75 100
 110 9.6 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.48 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000517.D
 Acq: 29 Mar 2018 17:15

Tgt Ion: 117 Resp: 11952
 Ion Ratio Lower Upper
 117 100
 119 2.7 77.4 116.2#
 121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.08 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

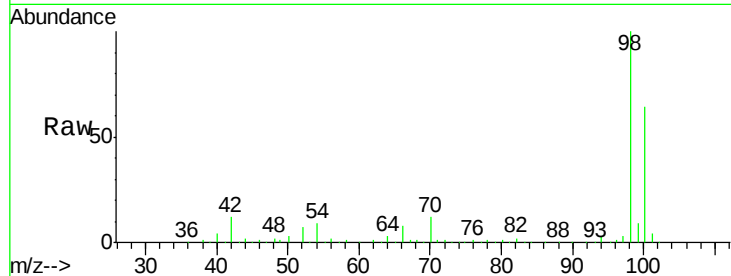
LIP-16

Tgt Ion: 98 Resp: 278319

Ion Ratio Lower Upper

98 100

100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX

8.73

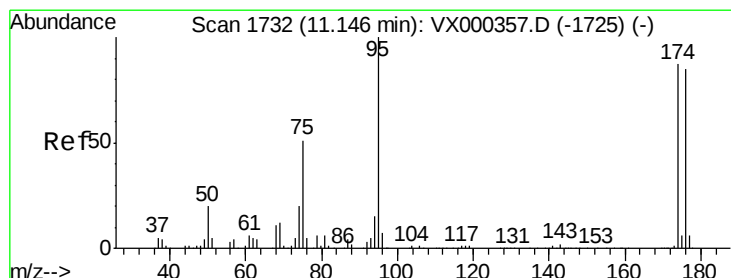
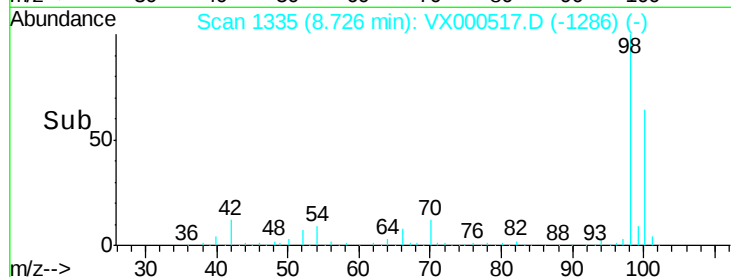
150000

100000

50000

0

Time--> 8.60 8.70 8.80



#62

4-Bromofluorobenzene

Concen: 42.79 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

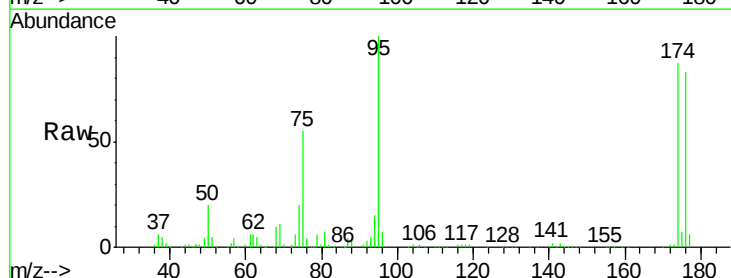
Tgt Ion: 95 Resp: 102183

Ion Ratio Lower Upper

95 100

174 91.1 0.0 173.6

176 85.7 0.0 164.6



Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

11.15

100000

80000

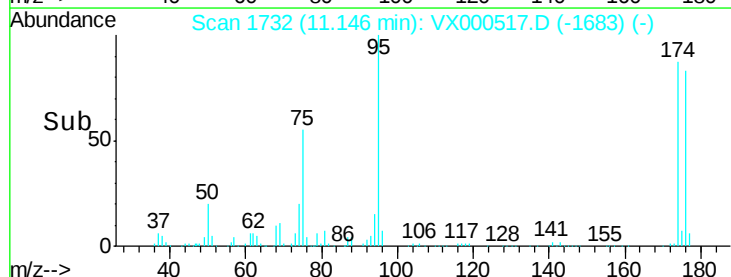
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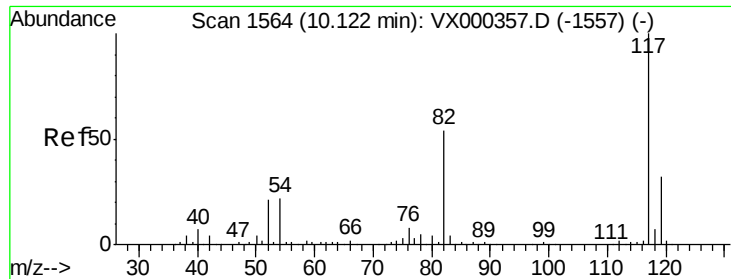
40000

20000

0

Time--> 11.10 11.20

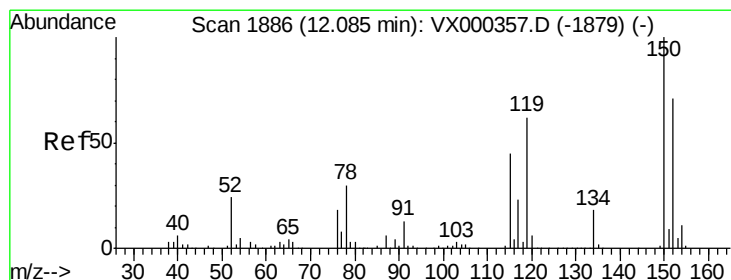
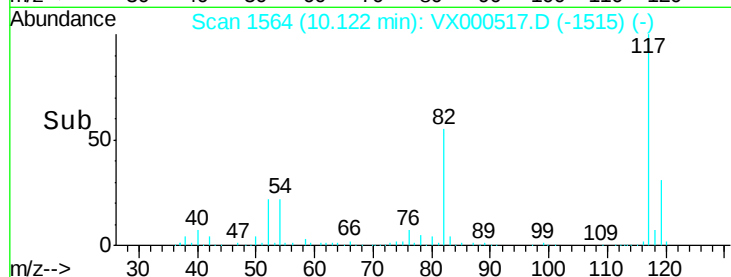
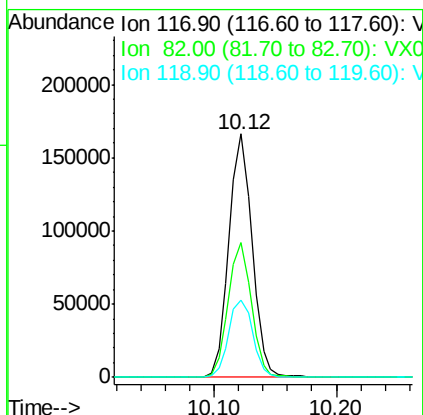
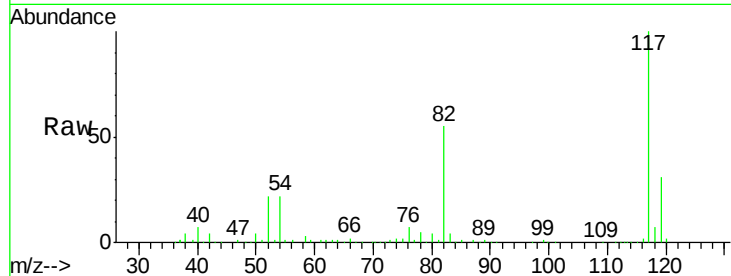




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000517.D
Acq: 29 Mar 2018 17:15

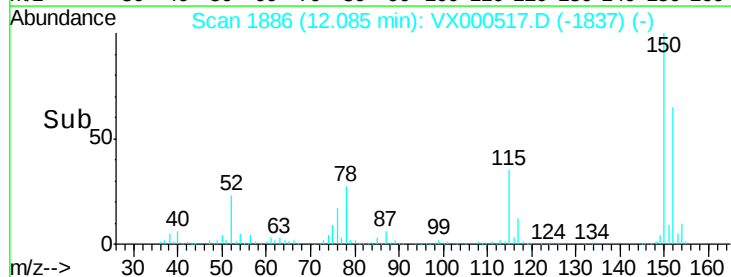
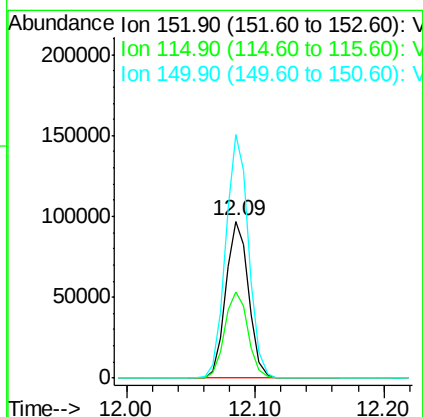
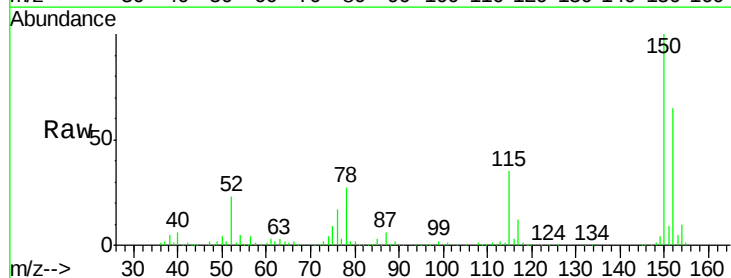
Instrument :
MSVOA_X
ClientSampled :
LIP-16

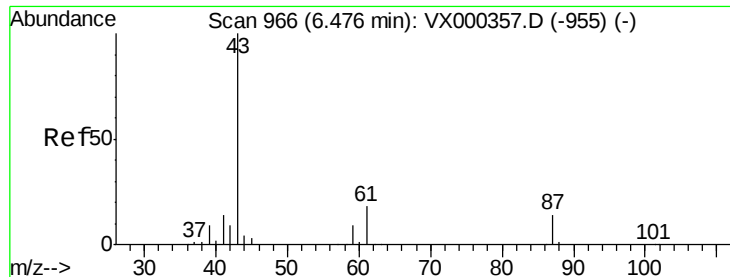
Tgt Ion:117 Resp: 219251
Ion Ratio Lower Upper
117 100
82 55.1 43.8 65.8
119 31.5 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000517.D
Acq: 29 Mar 2018 17:15

Tgt Ion:152 Resp: 120779
Ion Ratio Lower Upper
152 100
115 56.3 39.8 119.3
150 154.8 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.30 min Scan# 937

Delta R.T. -0.18 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

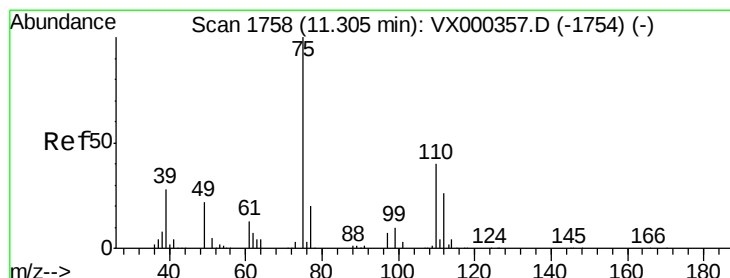
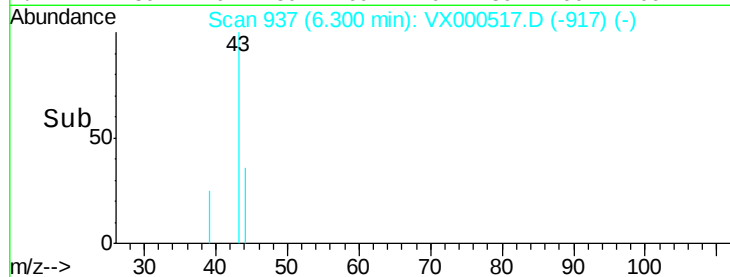
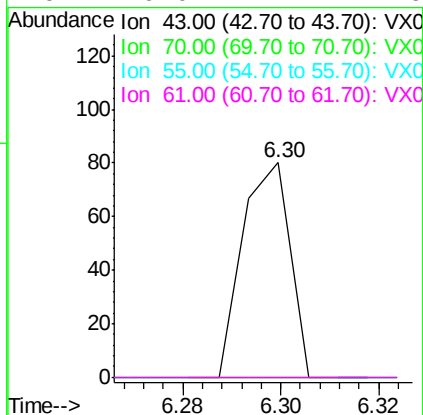
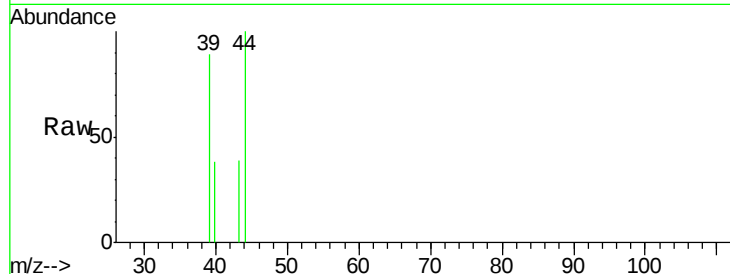
Instrument :

MSVOA_X

ClientSampleId :

LIP-16

Tgt Ion:	43	Resp:	54
Ion	Ratio	Lower	Upper
43	100		
70	0.0	0.0	0.0
55	0.0	0.0	0.0
61	0.0	14.4	21.6#



#76

1,2,3-Trichloropropane

Concen: 22.42 ug/l

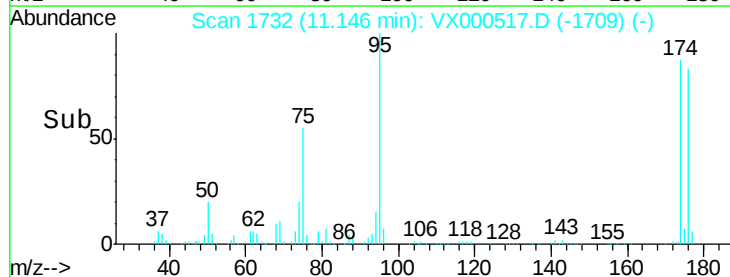
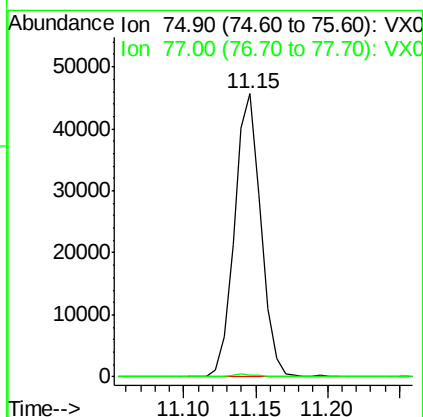
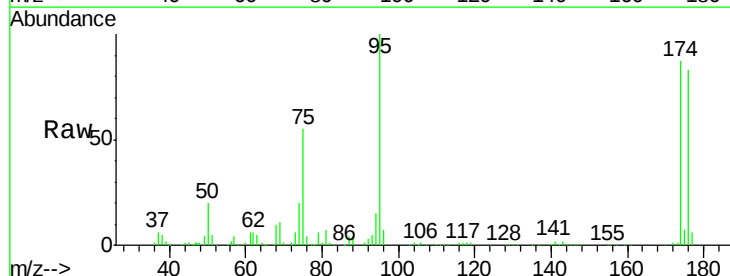
RT: 11.15 min Scan# 1732

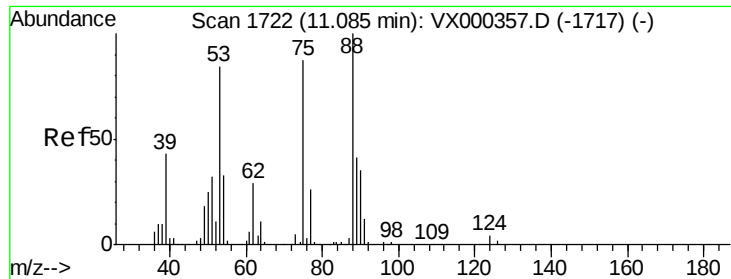
Delta R.T. -0.16 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Tgt Ion:	75	Resp:	58196
Ion	Ratio	Lower	Upper
75	100		
77	0.9	21.4	64.2#





#81

trans-1,4-Dichloro-2-butene

Concen: 72.59 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000517.D

Acq: 29 Mar 2018 17:15

Instrument :

MSVOA_X

ClientSampleId :

LIP-16

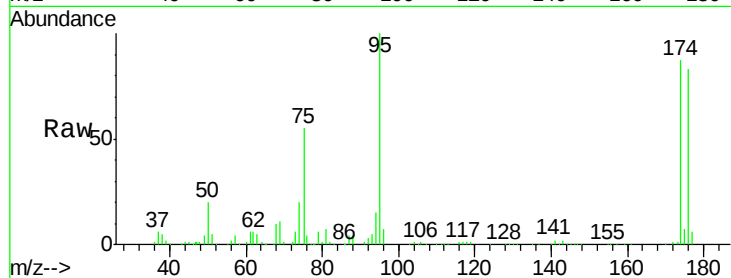
Tgt Ion: 75 Resp: 58196

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#



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

