

Data File : VX000367.D
Acq On : 20 Mar 2018 18:28
Operator : JC/MD
Sample : J1760-04 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
SU-03-031918

Quant Time: Mar 21 04:39:15 2018
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
QLast Update : Tue Mar 20 14:01:51 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	101573	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	172002	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	163476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	76294	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	68924	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	
35) Dibromofluoromethane	5.51	113	54039	49.86	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.72%	
50) Toluene-d8	8.73	98	212479	47.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.68%	
62) 4-Bromofluorobenzene	11.15	95	70770	38.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.76%	

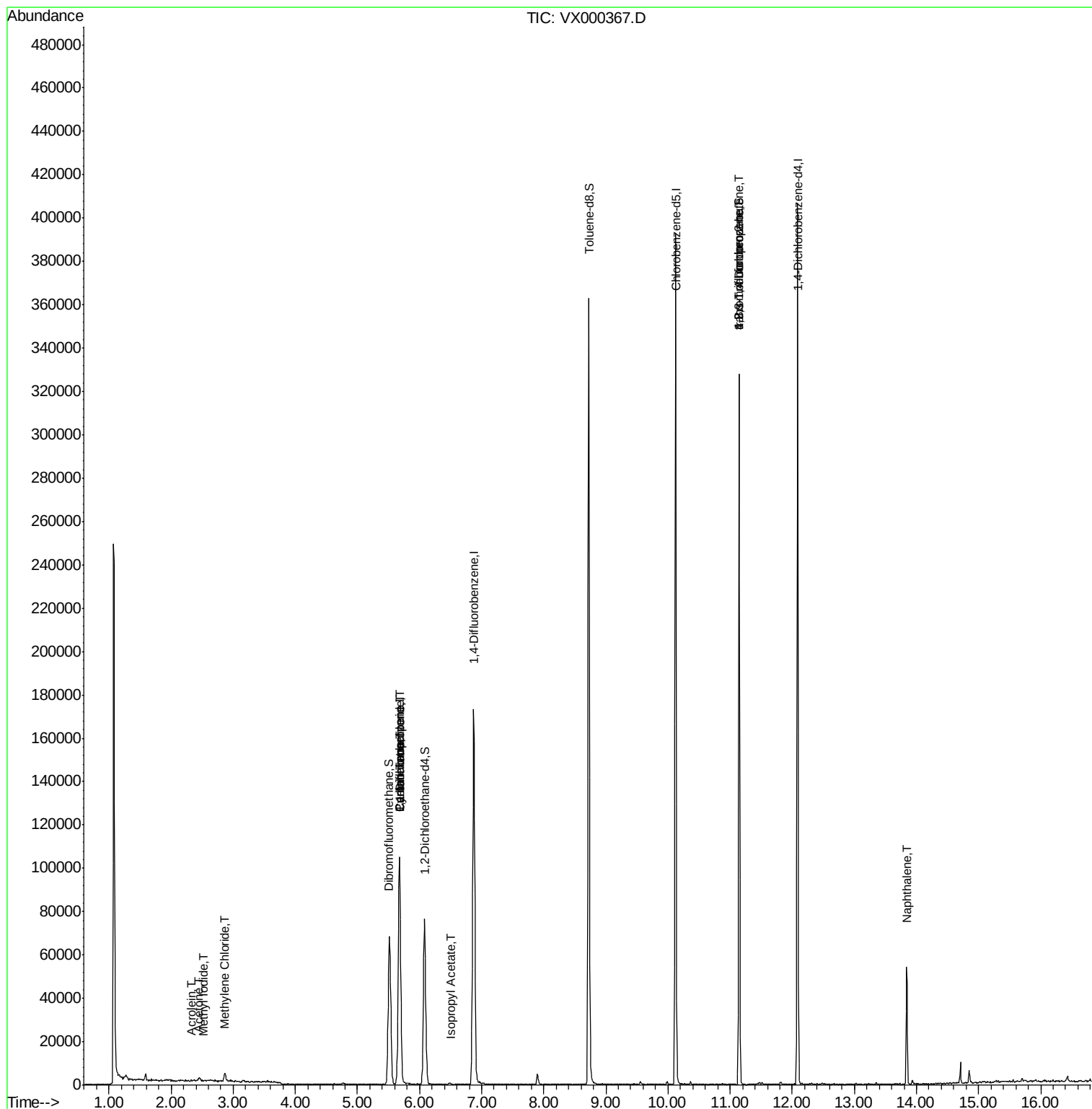
Target Compounds			Qvalue			
6) Chloroethane	1.73	64	76	Below Cal	#	44
10) Methyl Iodide	2.51	142	39	4.30	ug/l #	37
13) Acrolein	2.31	56	24	14.73	ug/l #	1
16) Acetone	2.45	43	1530	1.39	ug/l	96
20) Methylene Chloride	2.86	84	1746	1.37	ug/l #	79
31) Cyclohexane	5.67	56	2545	1.52	ug/l #	48
36) 1,1-Dichloropropene	5.68	75	8104	5.03	ug/l #	51
38) Carbon Tetrachloride	5.67	117	9944	5.88	ug/l #	15
43) Isopropyl Acetate	6.49	43	818	0.25	ug/l #	66
74) N-amyl acetate	6.49	43	818	Below Cal	#	66
76) 1,2,3-Trichloropropane	11.15	75	41438	25.27	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	41438	81.82	ug/l #	9
95) Naphthalene	13.84	128	31567	5.06	ug/l	99

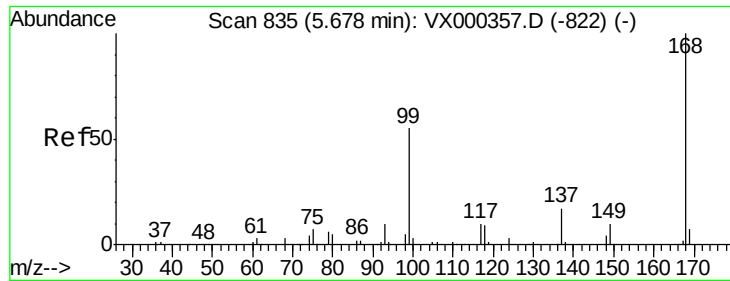
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

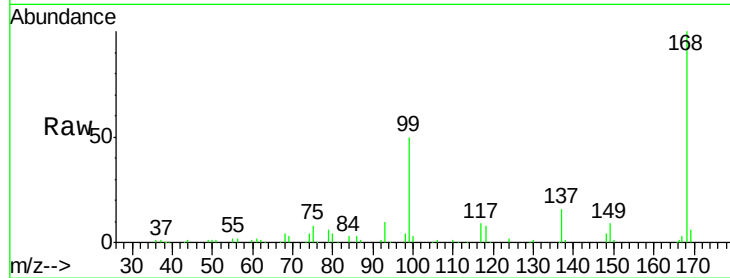
SU-03-031918

Tgt Ion:168 Resp: 101573

Ion Ratio Lower Upper

168 100

99 50.3 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

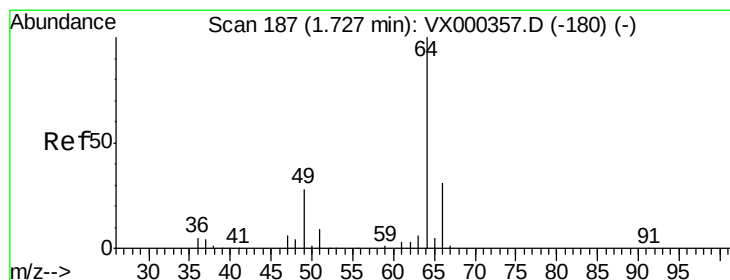
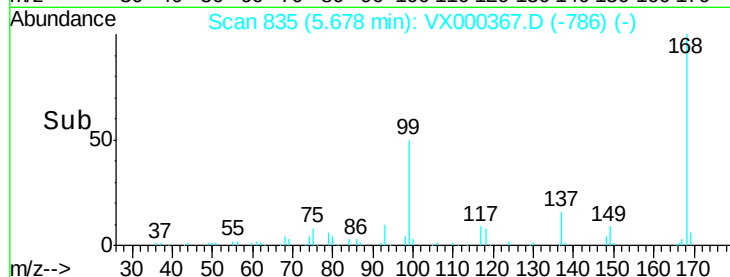
20000

10000

0

5.60 5.70 5.80

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000367.D

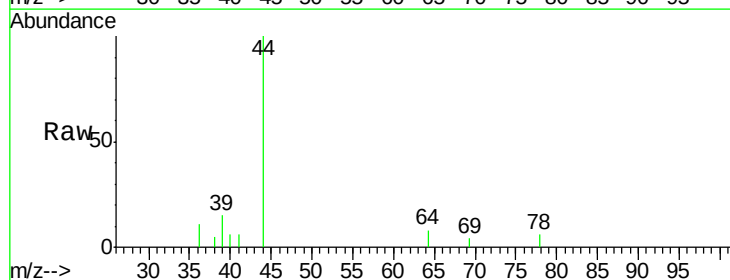
Acq: 20 Mar 2018 18:28

Tgt Ion: 64 Resp: 76

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

120

100

80

60

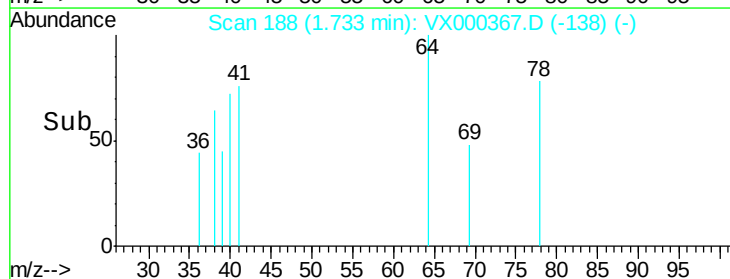
40

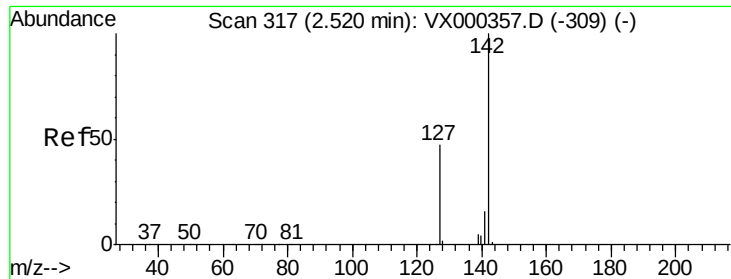
20

0

1.72 1.73 1.74

Time-->

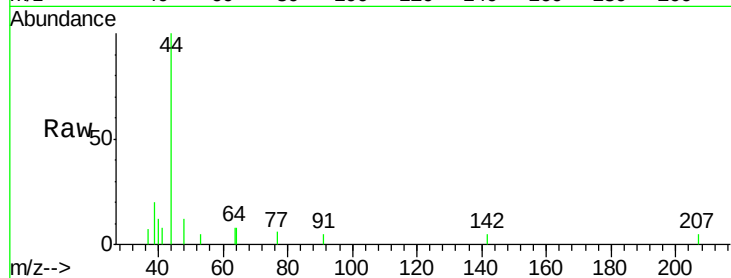




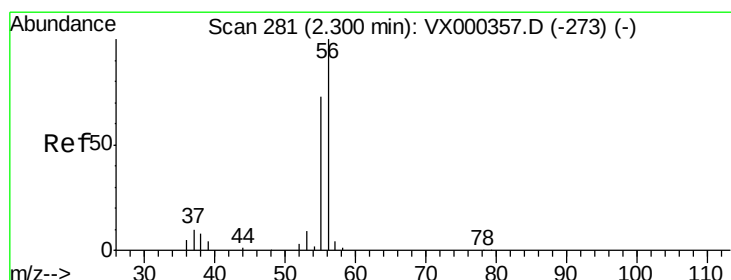
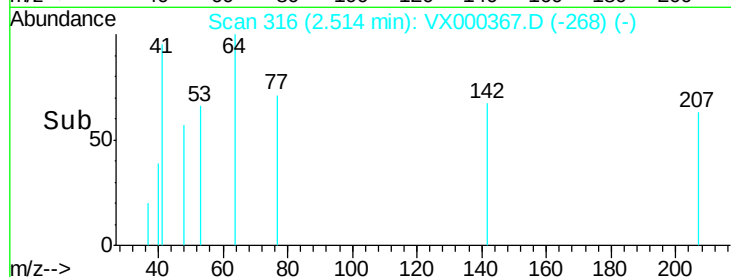
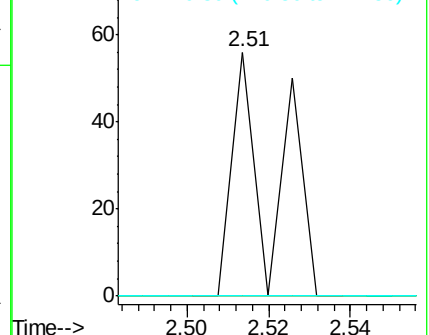
#10
Methyl Iodide
Concen: 4.30 ug/l
RT: 2.51 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX000367.D
Acq: 20 Mar 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
SU-03-031918

Tgt Ion: 142 Resp: 39
Ion Ratio Lower Upper
142 100
127 0.0 39.2 58.8#
141 0.0 11.7 17.5#

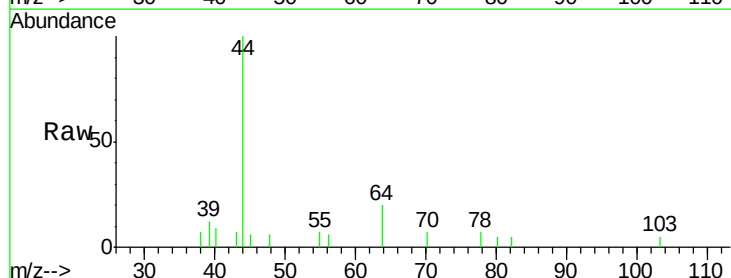


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

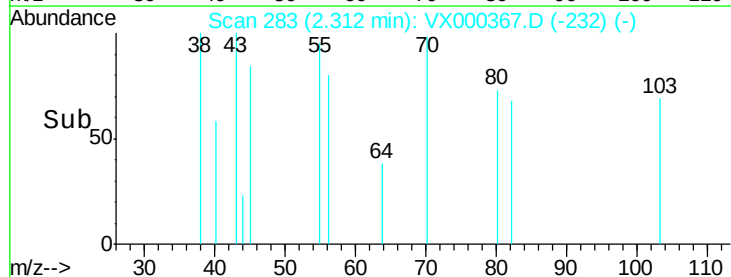
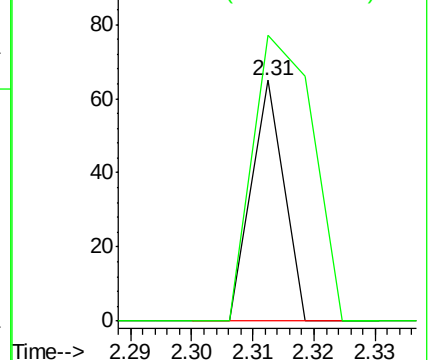


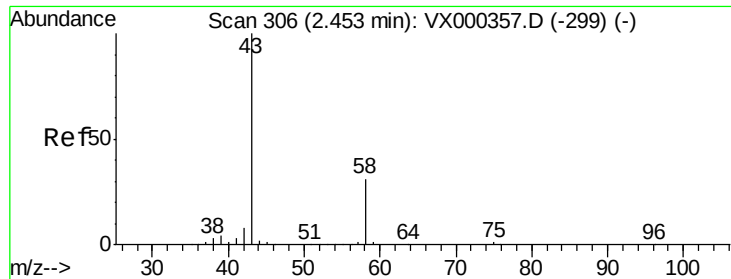
#13
Acrolein
Concen: 14.73 ug/l
RT: 2.31 min Scan# 283
Delta R.T. 0.01 min
Lab File: VX000367.D
Acq: 20 Mar 2018 18:28

Tgt Ion: 56 Resp: 24
Ion Ratio Lower Upper
56 100
55 216.7 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: 1.39 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampled :

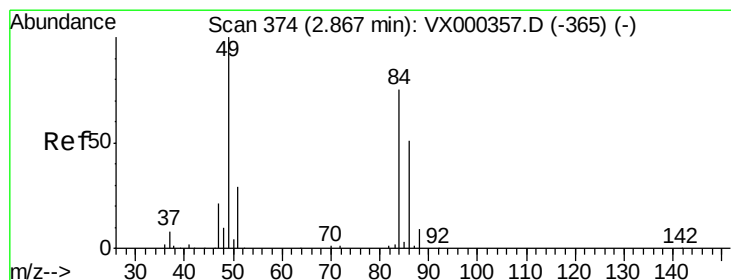
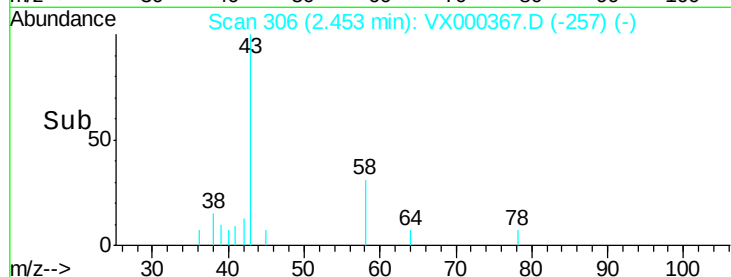
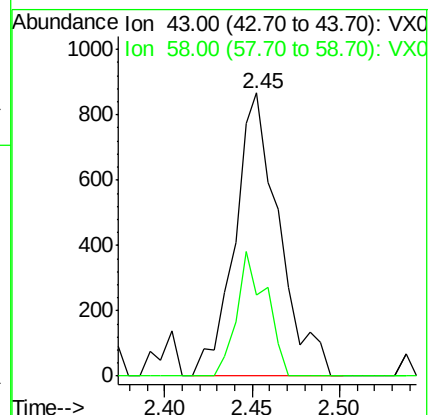
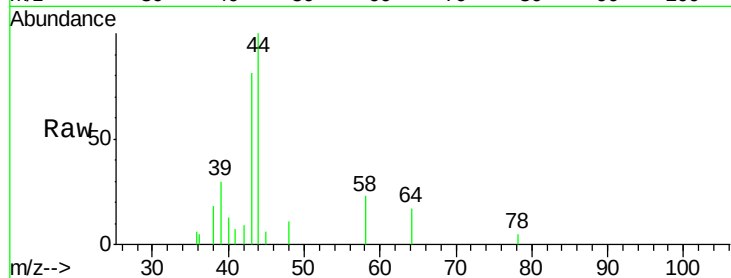
SU-03-031918

Tgt Ion: 43 Resp: 1530

Ion Ratio Lower Upper

43 100

58 28.8 24.7 37.1



#20

Methylene Chloride

Concen: 1.37 ug/l

RT: 2.86 min Scan# 373

Delta R.T. -0.01 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Tgt Ion: 84 Resp: 1746

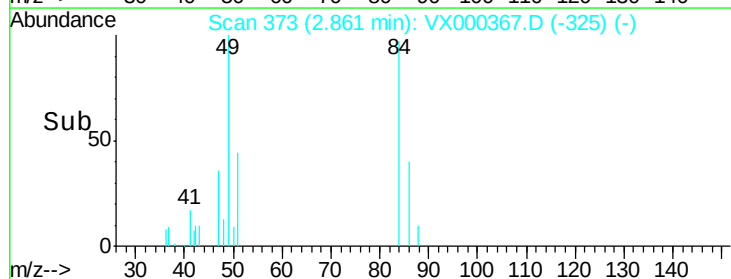
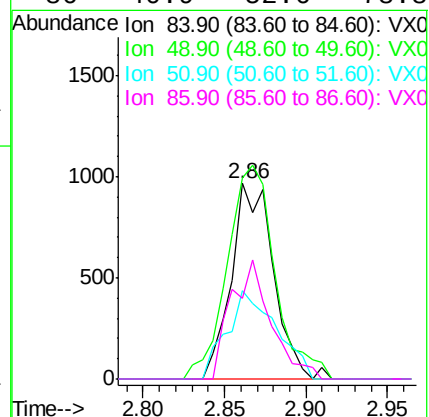
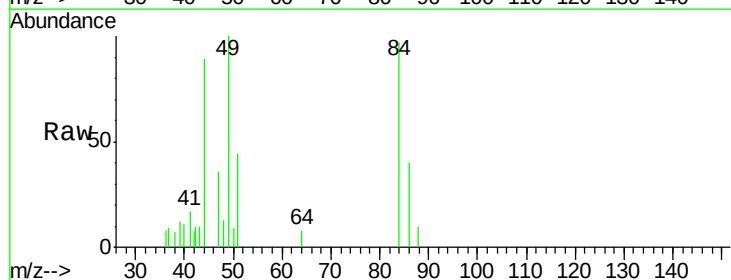
Ion Ratio Lower Upper

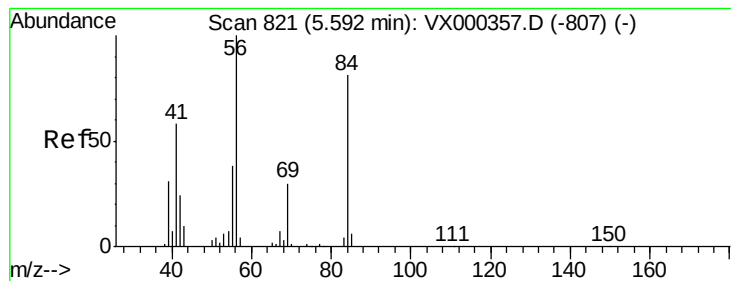
84 100

49 102.8 100.6 151.0

51 45.2 31.6 47.4

86 40.9 52.6 78.8#





#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.08 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

SU-03-031918

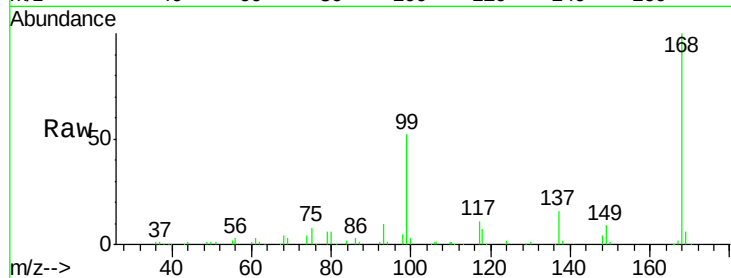
Tgt Ion: 56 Resp: 2545

Ion Ratio Lower Upper

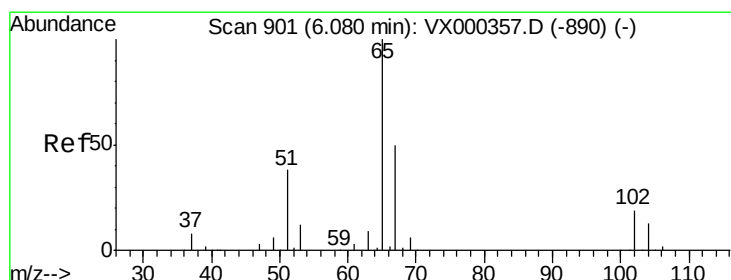
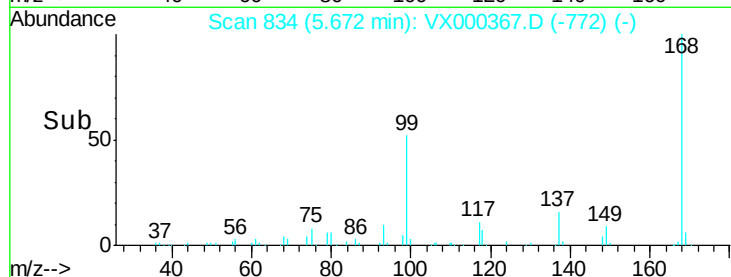
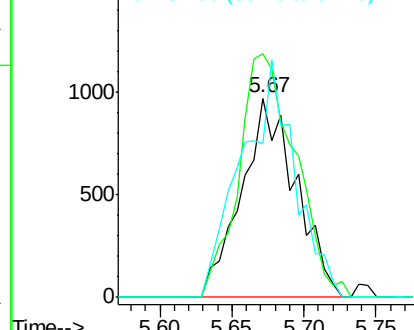
56 100

69 122.5 23.4 35.0#

84 77.5 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: 51.98 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000367.D

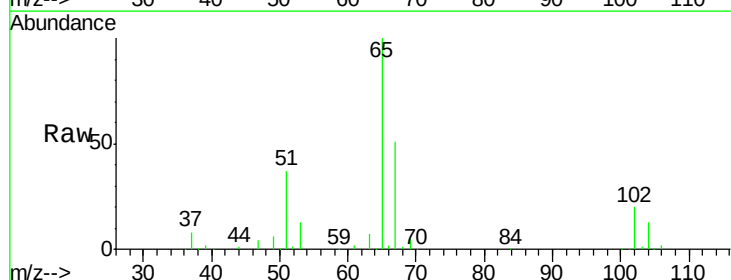
Acq: 20 Mar 2018 18:28

Tgt Ion: 65 Resp: 68924

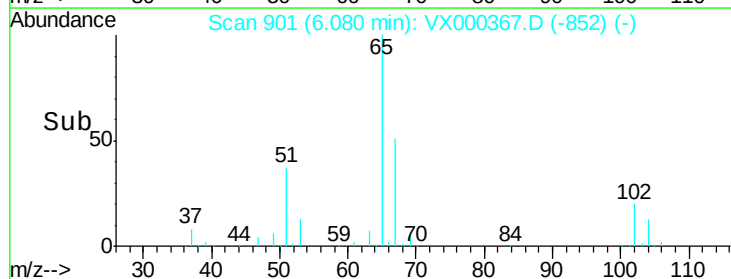
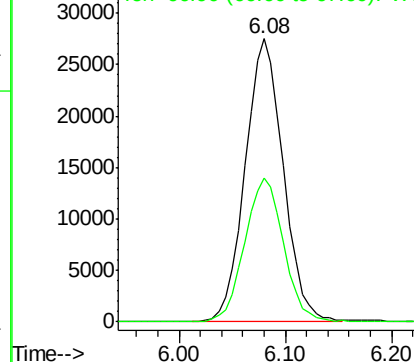
Ion Ratio Lower Upper

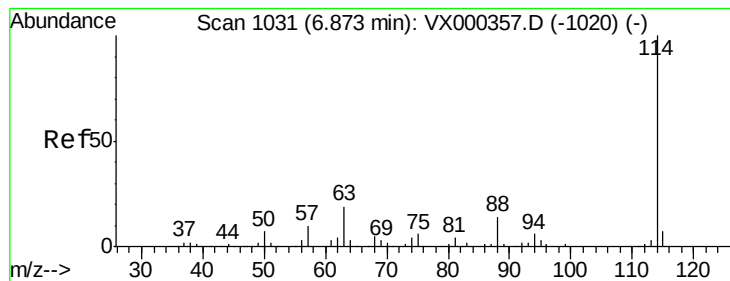
65 100

67 52.0 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: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

SU-03-031918

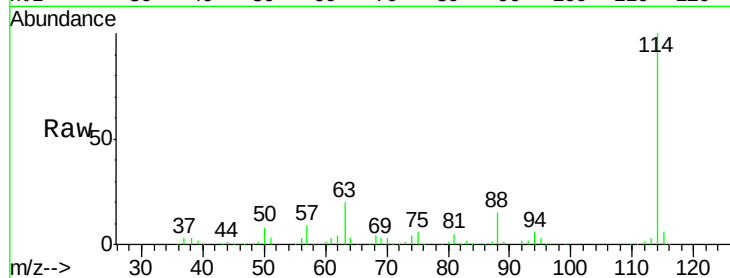
Tgt Ion:114 Resp: 172002

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.4

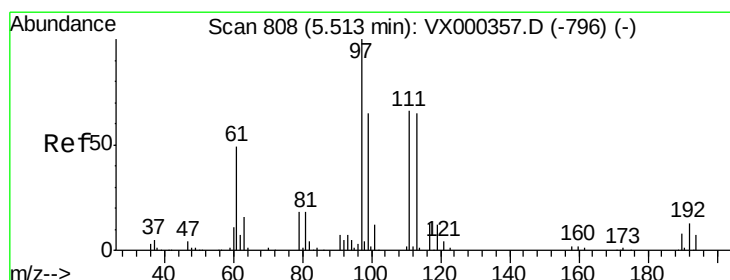
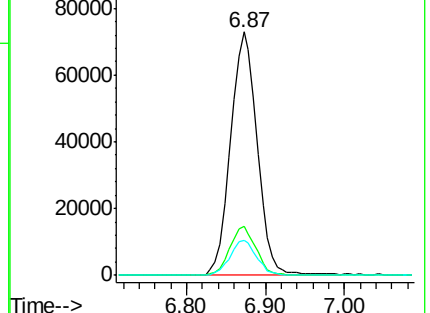
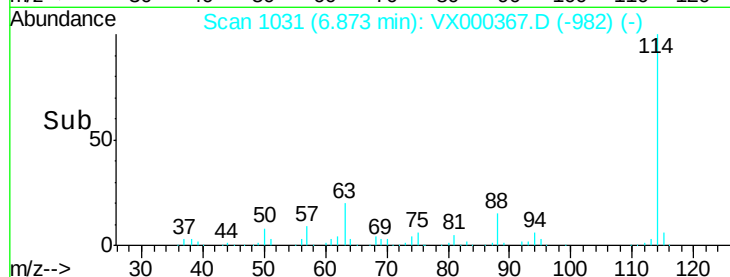
88 14.5 0.0 27.0



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: 49.86 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

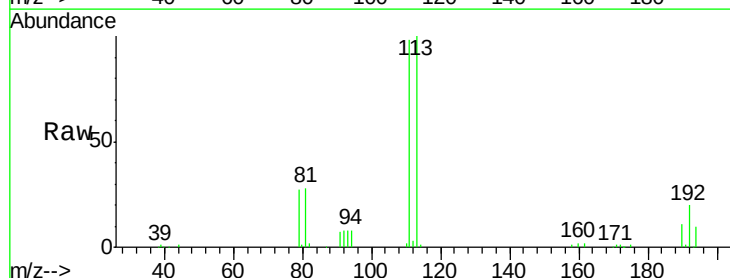
Tgt Ion:113 Resp: 54039

Ion Ratio Lower Upper

113 100

111 102.1 82.4 123.6

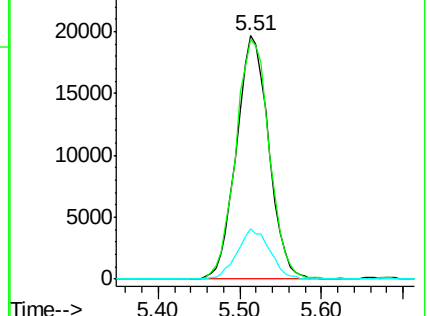
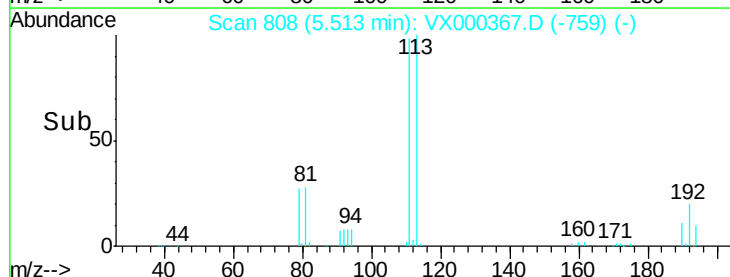
192 20.8 15.8 23.6

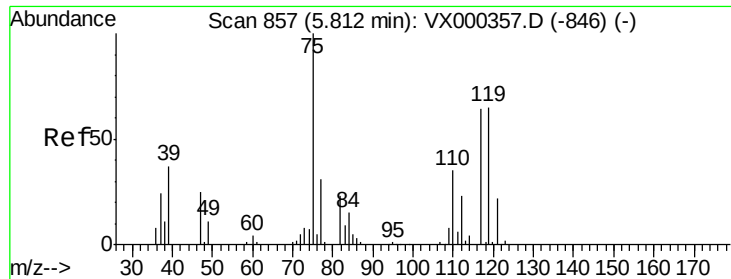


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

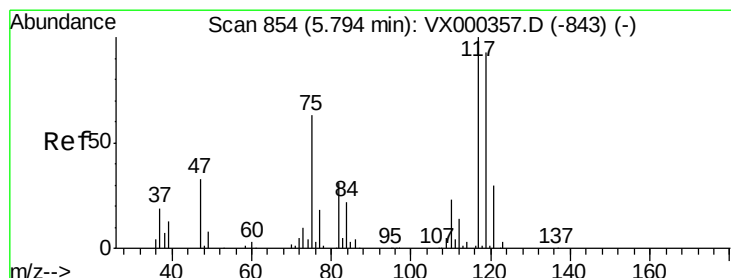
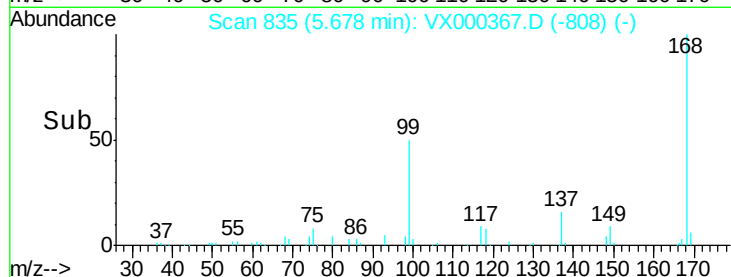
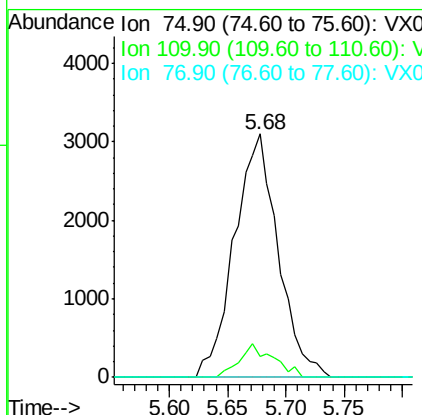
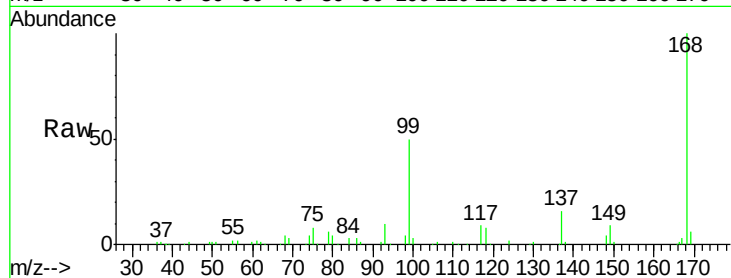




#36
 1,1-Dichloropropene
 Concen: 5.03 ug/l
 RT: 5.68 min Scan# 835
 Delta R.T. -0.13 min
 Lab File: VX000367.D
 Acq: 20 Mar 2018 18:28

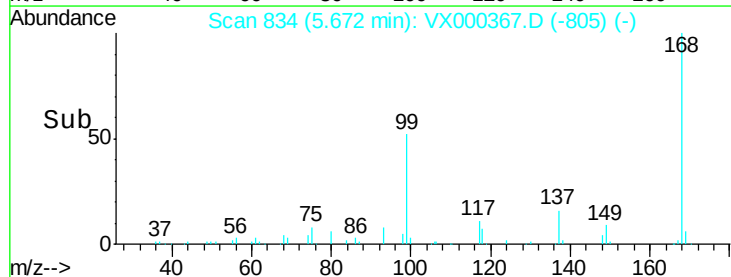
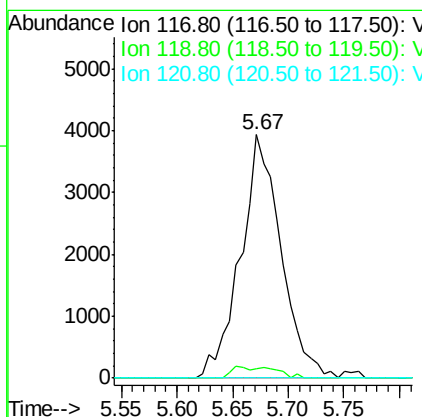
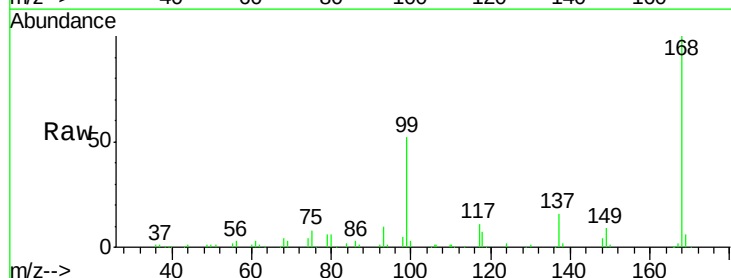
Instrument :
 MSVOA_X
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 SU-03-031918

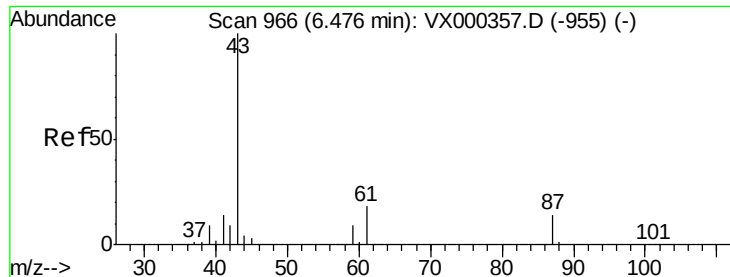
Tgt Ion: 75 Resp: 8104
 Ion Ratio Lower Upper
 75 100
 110 10.7 17.9 53.7#
 77 0.0 24.0 36.0#



#38
 Carbon Tetrachloride
 Concen: 5.88 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.12 min
 Lab File: VX000367.D
 Acq: 20 Mar 2018 18:28

Tgt Ion: 117 Resp: 9944
 Ion Ratio Lower Upper
 117 100
 119 4.1 77.4 116.2#
 121 0.0 24.8 37.2#





#43

Isopropyl Acetate

Concen: 0.25 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

SU-03-031918

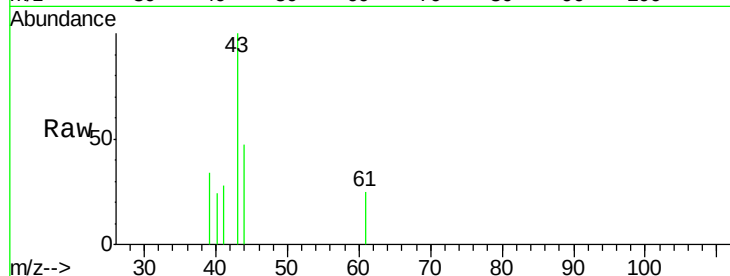
Tgt Ion: 43 Resp: 818

Ion Ratio Lower Upper

43 100

61 3.2 14.4 21.6#

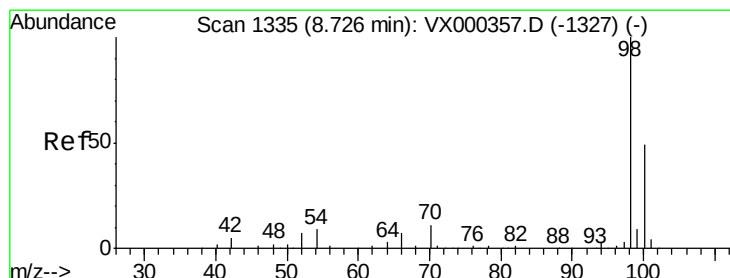
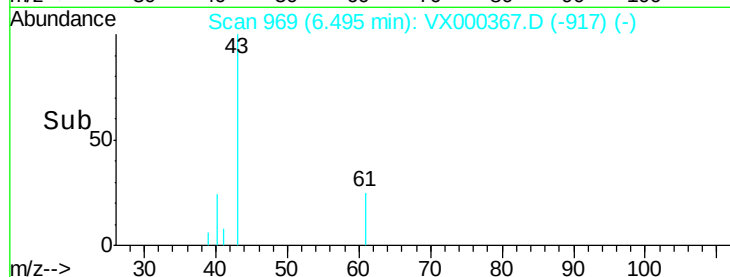
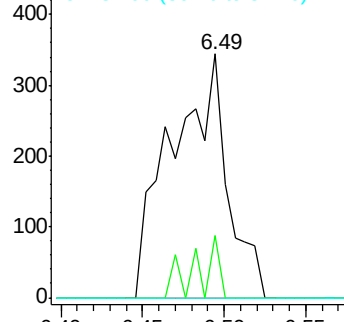
87 0.0 11.0 16.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0



#50

Toluene-d8

Concen: 47.34 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000367.D

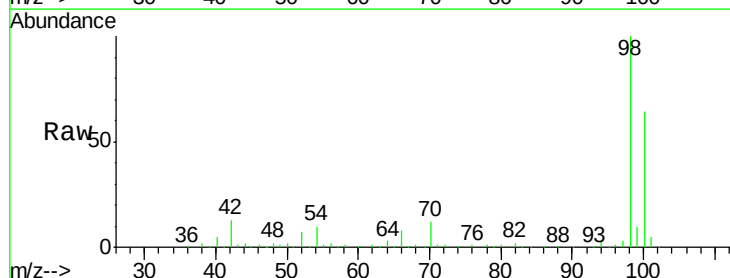
Acq: 20 Mar 2018 18:28

Tgt Ion: 98 Resp: 212479

Ion Ratio Lower Upper

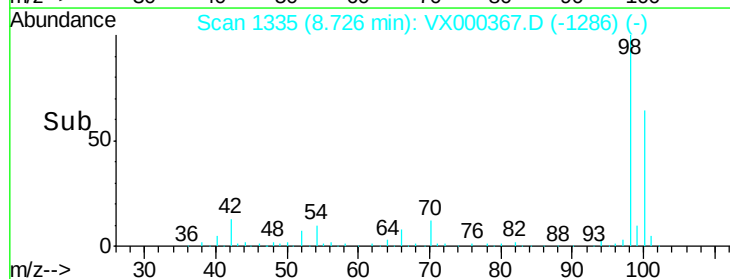
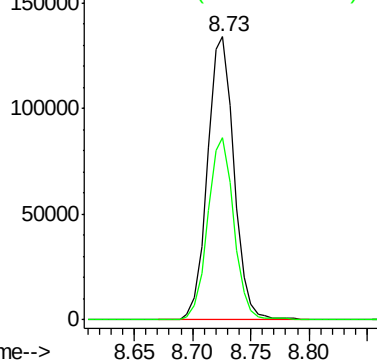
98 100

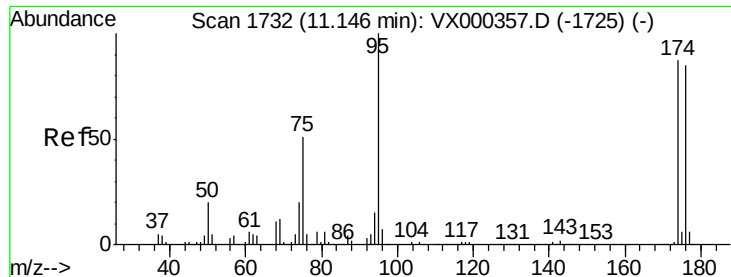
100 63.5 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

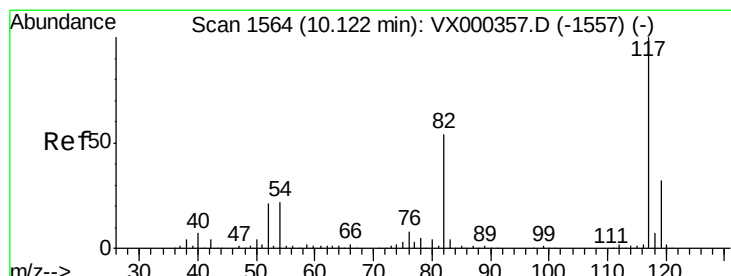
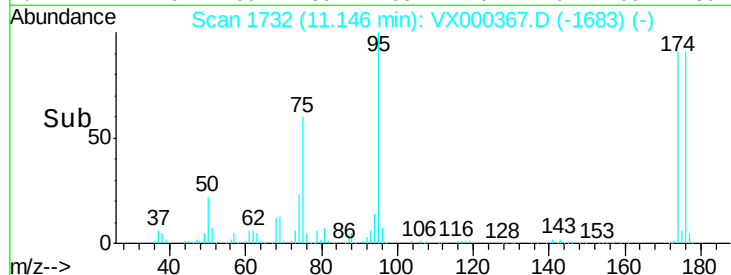
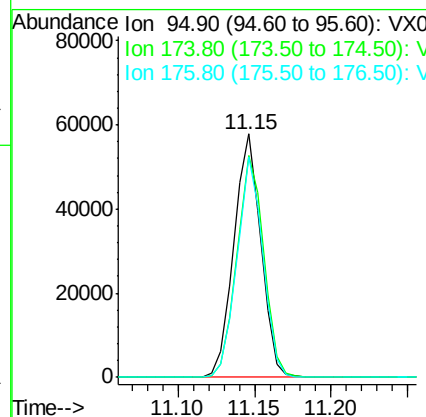
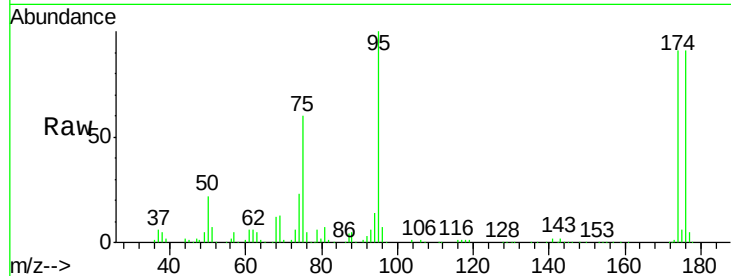




#62
4-Bromofluorobenzene
Concen: 38.88 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000367.D
Acq: 20 Mar 2018 18:28

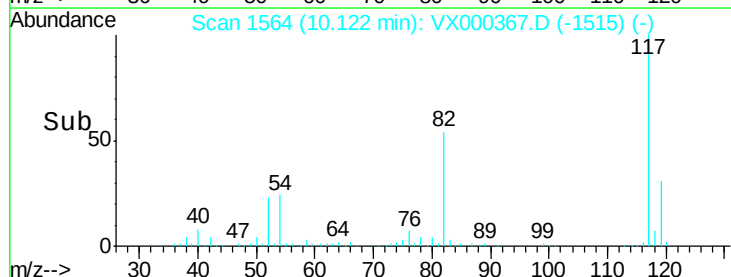
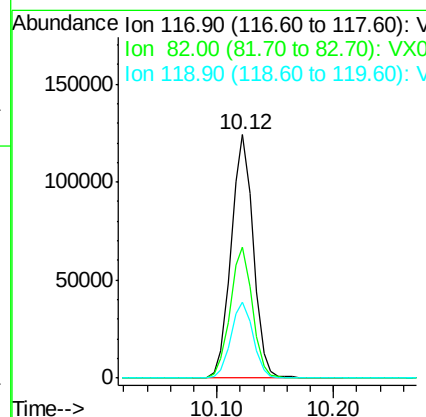
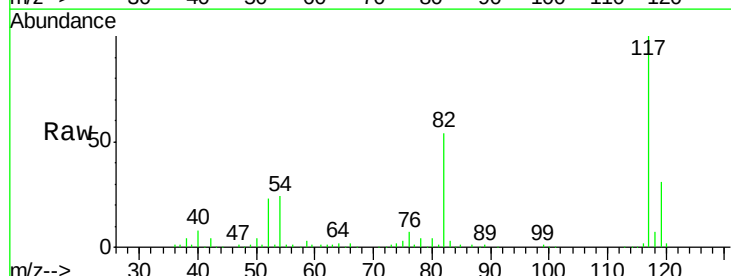
Instrument :
MSVOA_X
ClientSampleId :
SU-03-031918

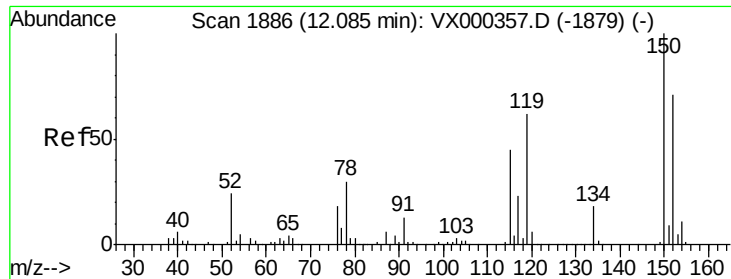
Tgt Ion: 95 Resp: 70770
Ion Ratio Lower Upper
95 100
174 90.7 0.0 173.6
176 86.7 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000367.D
Acq: 20 Mar 2018 18:28

Tgt Ion: 117 Resp: 163476
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 31.4 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: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

SU-03-031918

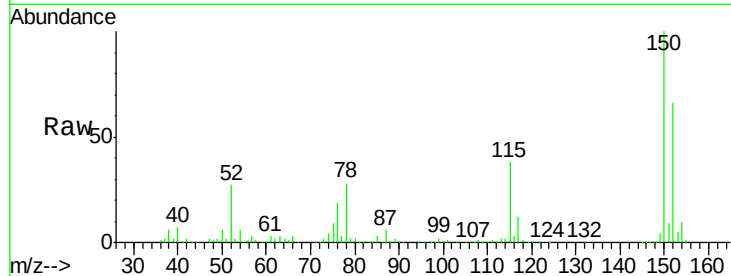
Tgt Ion:152 Resp: 76294

Ion Ratio Lower Upper

152 100

115 56.1 39.8 119.3

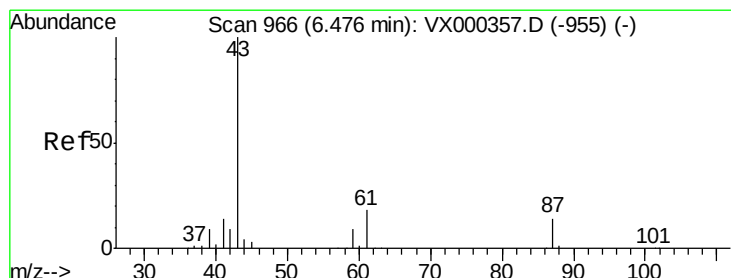
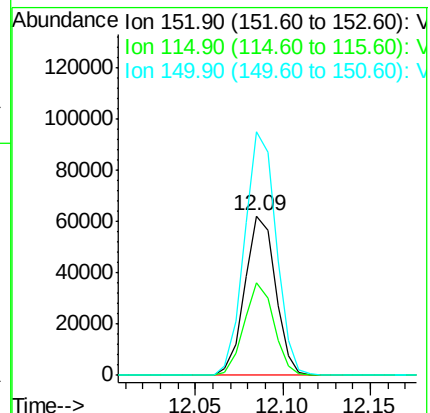
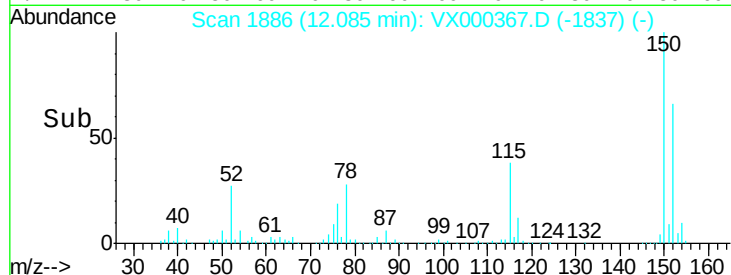
150 157.4 0.0 344.4



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



#74

N-ethyl acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Tgt Ion: 43 Resp: 818

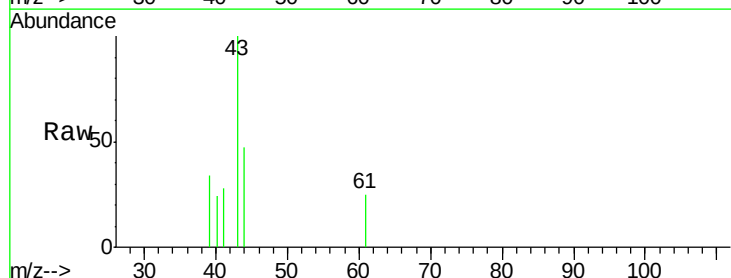
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 3.2 14.4 21.6#

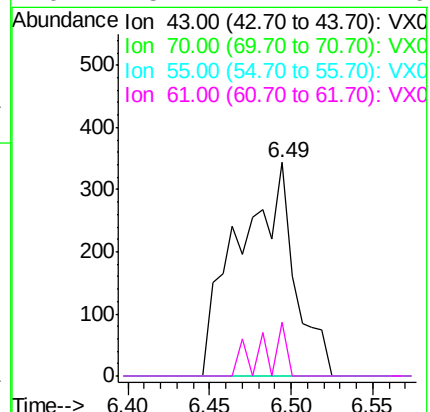
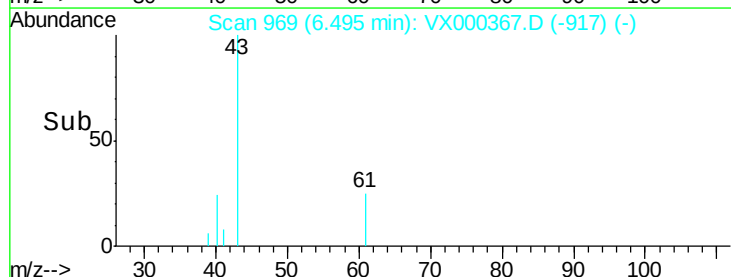


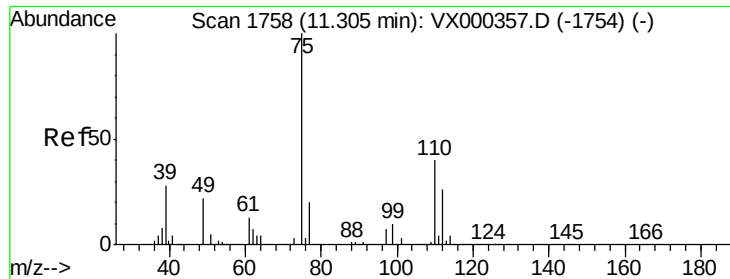
Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0





#76

1,2,3-Trichloropropane

Concen: 25.27 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

Instrument :

MSVOA_X

ClientSampleId :

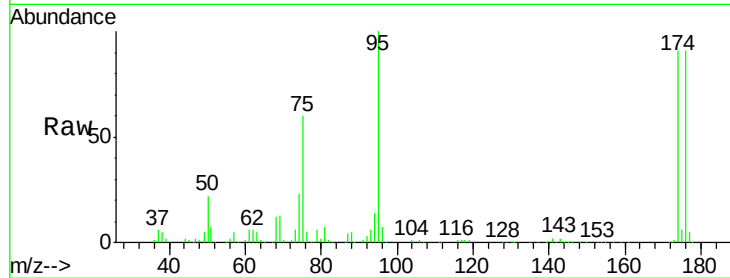
SU-03-031918

Tgt Ion: 75 Resp: 41438

Ion Ratio Lower Upper

75 100

77 1.1 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

11.15

40000

30000

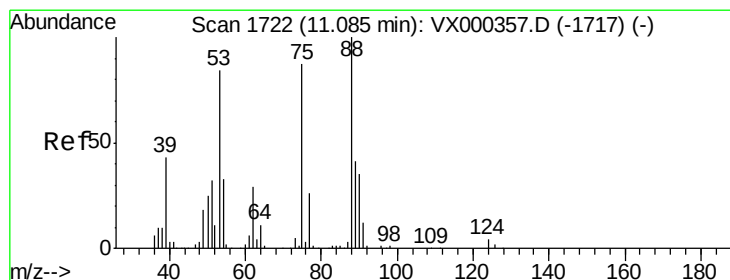
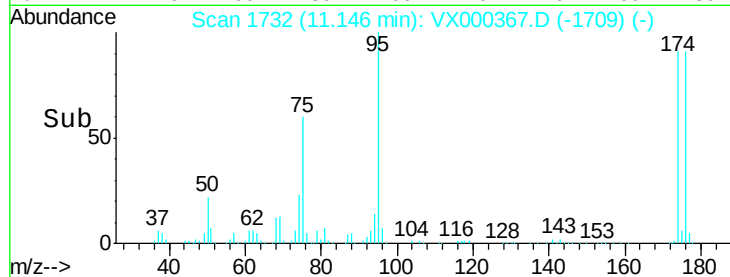
20000

10000

0

Time-->

11.10 11.15 11.20



#81

trans-1,4-Dichloro-2-butene

Concen: 81.82 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000367.D

Acq: 20 Mar 2018 18:28

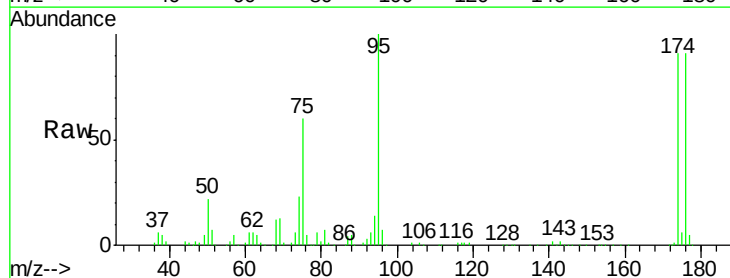
Tgt Ion: 75 Resp: 41438

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.1 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

40000

30000

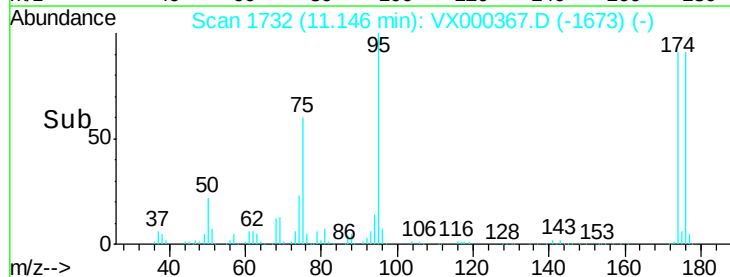
20000

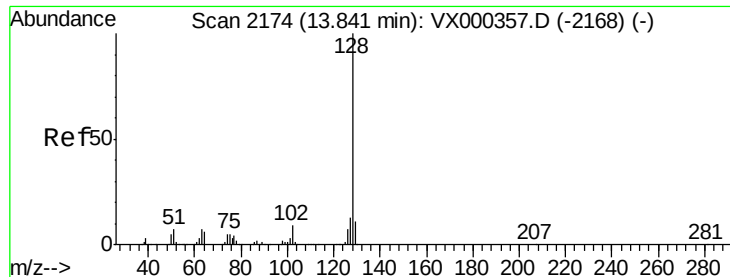
10000

0

Time-->

11.10 11.15 11.20





#95
Naphthalene
Concen: 5.06 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX000367.D
Acq: 20 Mar 2018 18:28

Instrument :
MSVOA_X
ClientSampleId :
SU-03-031918

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	11.3	8.9	13.3

