

Data File : VX000546.D

Acq On : 30 Mar 2018 06:26

Operator : JC/MD

Sample : J2094-03

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FIELD-BLANK

Quant Time: Mar 30 07:06:36 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	105904	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	188518	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	191539	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	102858	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	75733	54.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.56%	
35) Dibromofluoromethane	5.52	113	60762	51.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.30%	
50) Toluene-d8	8.73	98	242985	49.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.78%	
62) 4-Bromofluorobenzene	11.15	95	82248	40.85	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.70%	

Target Compounds

						Qvalue
5) Bromomethane	1.67	94	285	0.23	ug/l #	1
6) Chloroethane	1.76	64	206	Below	Cal #	44
10) Methyl Iodide	2.53	142	25	4.29	ug/l #	37
11) Tert butyl alcohol	3.03	59	3814	8.02	ug/l #	78
13) Acrolein	2.32	56	26	14.74	ug/l #	1
16) Acetone	2.45	43	9836	8.55	ug/l	94
18) Methyl Acetate	2.62	43	11752	4.87	ug/l #	51
20) Methylene Chloride	2.86	84	714	0.54	ug/l #	86
25) 2-Butanone	4.76	43	798	0.62	ug/l #	49
26) 2,2-Dichloropropane	4.77	77	2197	1.39	ug/l #	53
31) Cyclohexane	5.68	56	2537	1.45	ug/l #	70
36) 1,1-Dichloropropene	5.68	75	8457	4.79	ug/l #	50
37) Ethyl Acetate	4.78	43	1035	0.43	ug/l #	1
38) Carbon Tetrachloride	5.68	117	10627	5.74	ug/l #	19
74) N-amyl acetate	6.48	43	50	Below	Cal #	59
76) 1,2,3-Trichloropropane	11.15	75	49077	22.20	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	49077	71.88	ug/l #	9

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

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ALS Vial : 44 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

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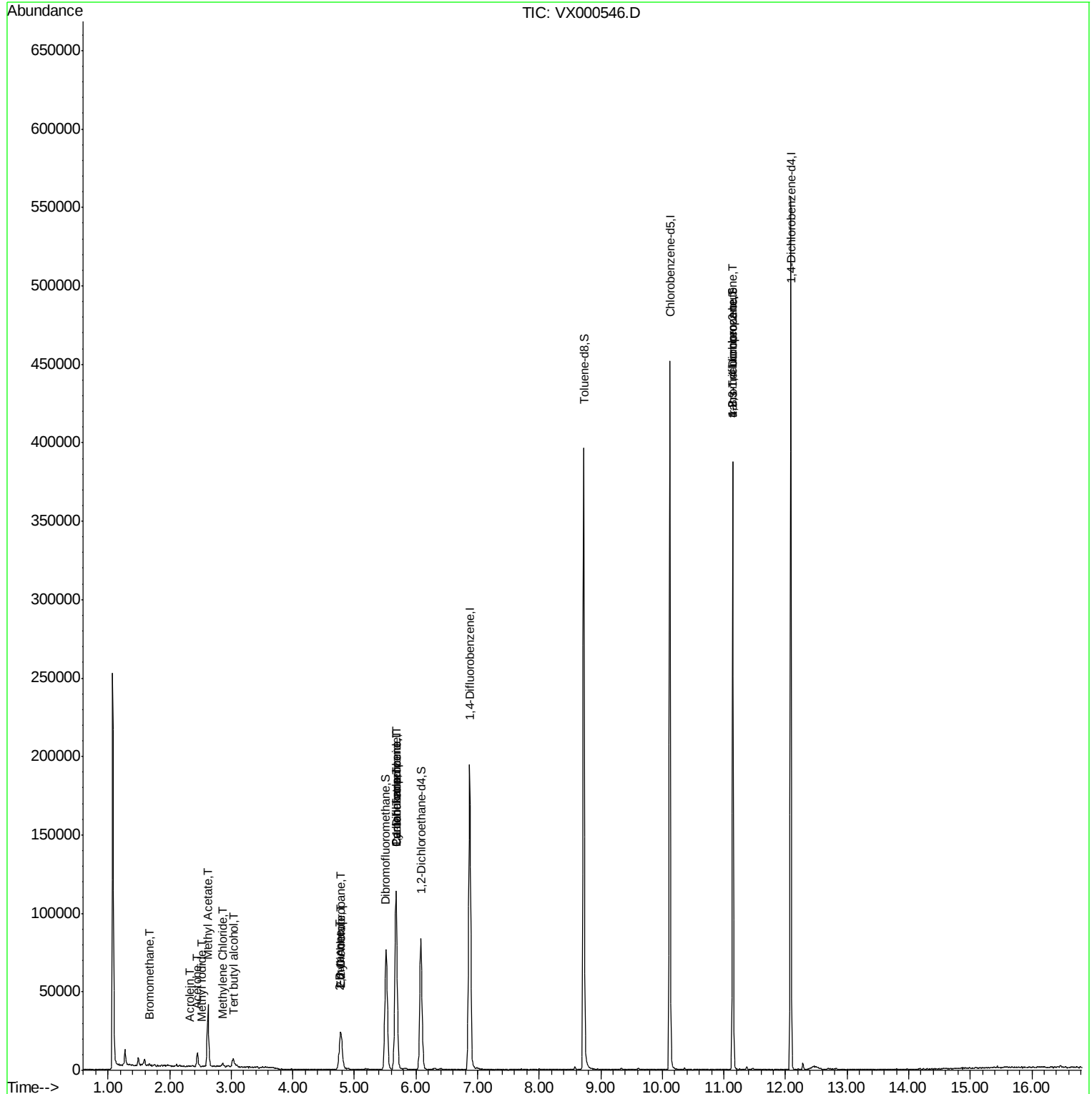
Quant Time: Mar 30 07:06:36 2018

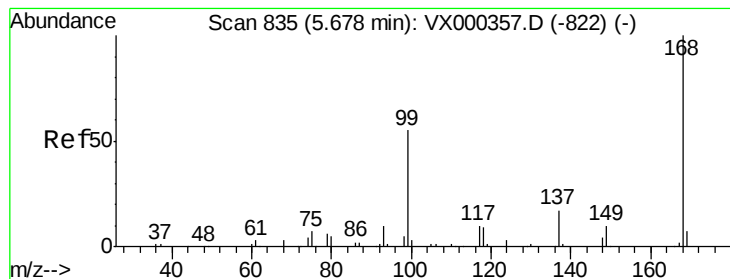
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

QLast Update : Wed Mar 21 04:52:42 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

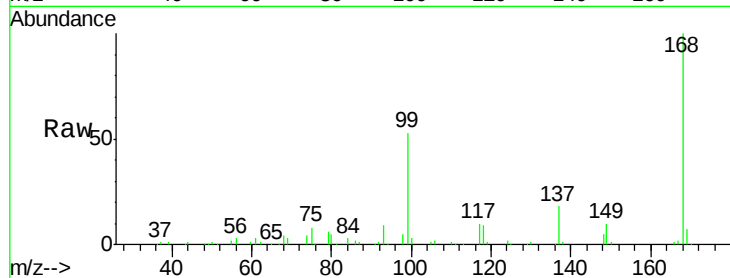
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Tgt Ion:168 Resp: 105904

Ion Ratio Lower Upper

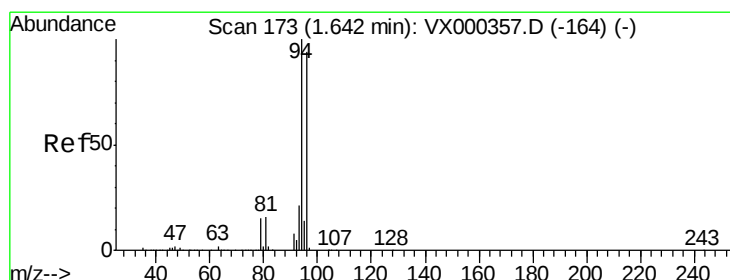
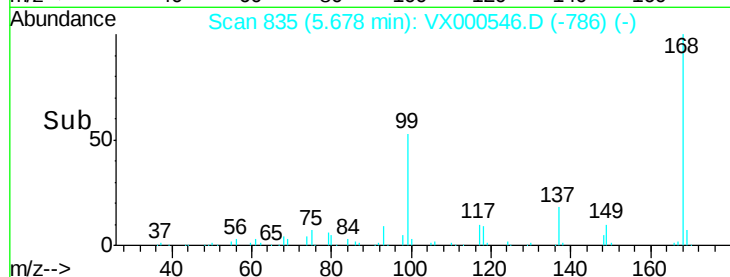
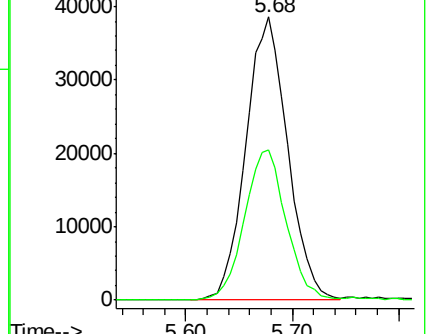
168 100

99 53.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: 0.23 ug/l

RT: 1.67 min Scan# 178

Delta R.T. 0.03 min

Lab File: VX000546.D

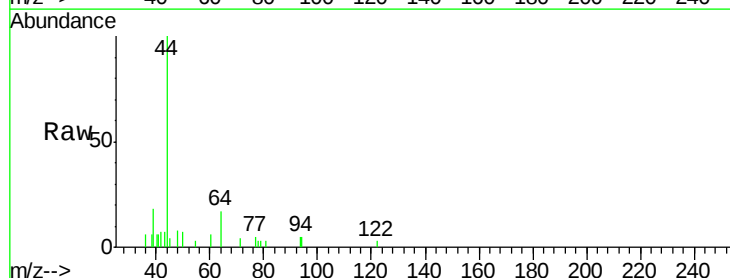
Acq: 30 Mar 2018 06:26

Tgt Ion: 94 Resp: 285

Ion Ratio Lower Upper

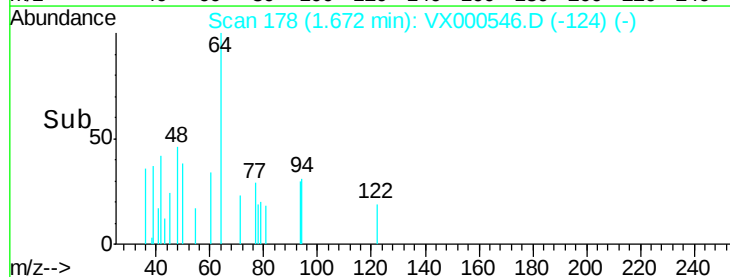
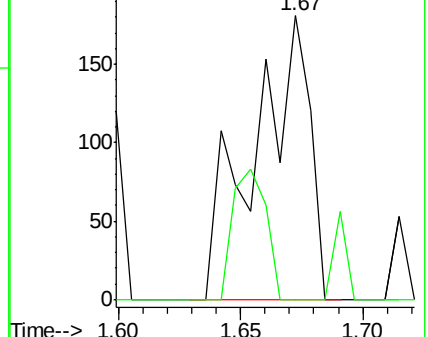
94 100

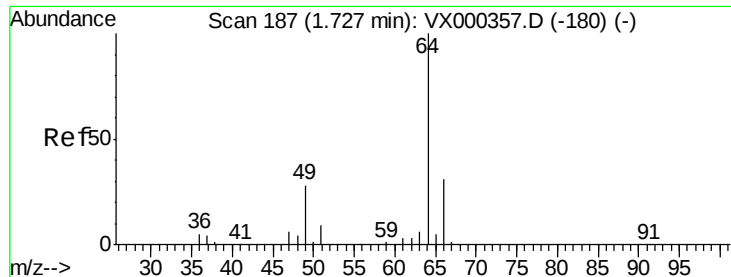
96 0.0 77.7 116.5#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.76 min Scan# 192

Delta R.T. 0.03 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

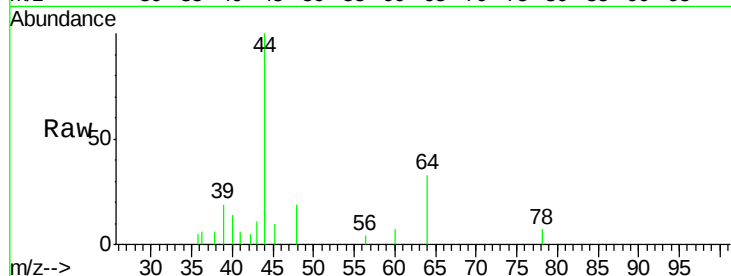
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Tgt Ion: 64 Resp: 206

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

1.76

400

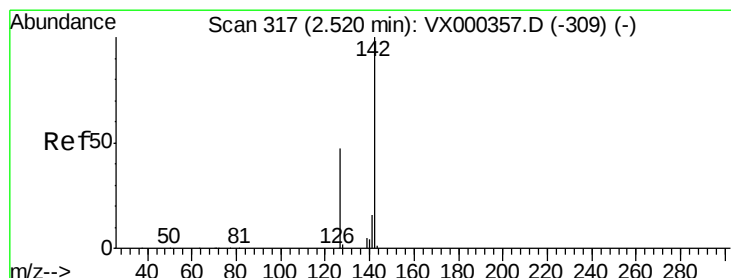
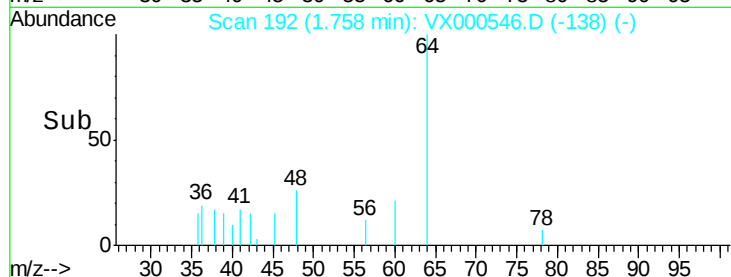
300

200

100

0

Time-->



#10

Methyl Iodide

Concen: 4.29 ug/l

RT: 2.53 min Scan# 318

Delta R.T. 0.01 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

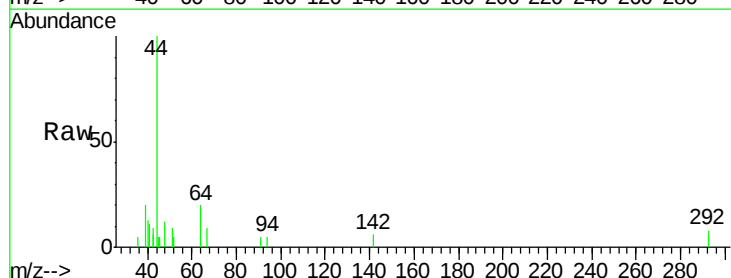
Tgt Ion:142 Resp: 25

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

2.53

80

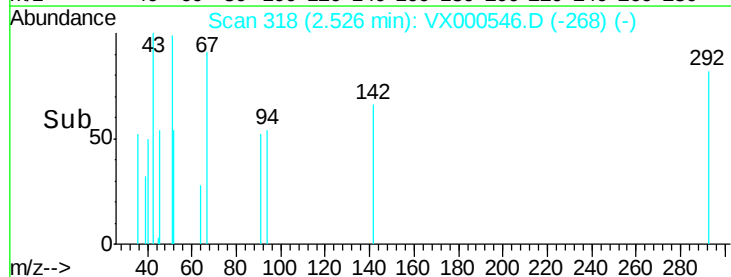
60

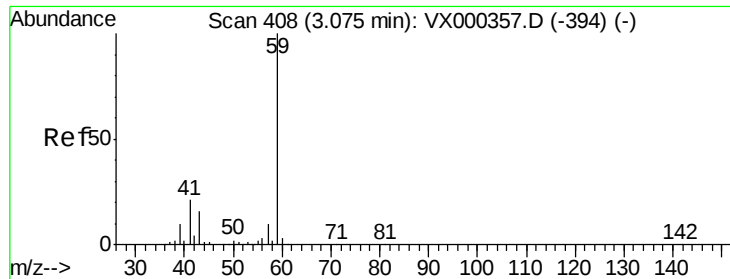
40

20

0

Time-->

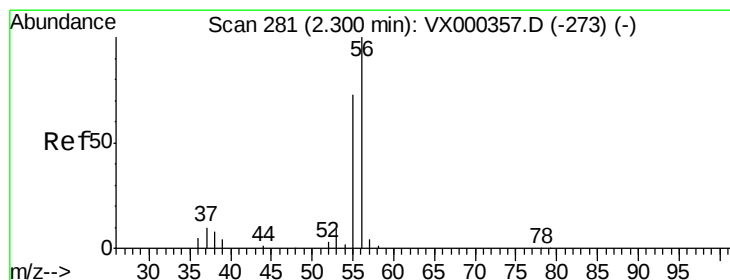
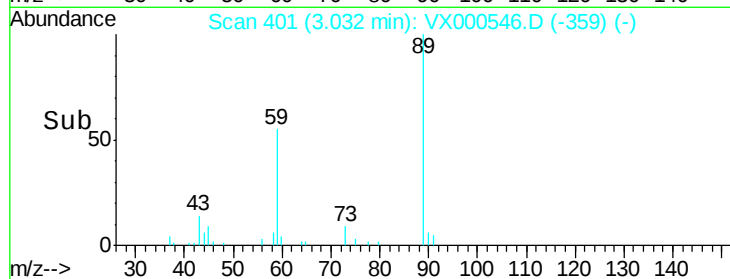
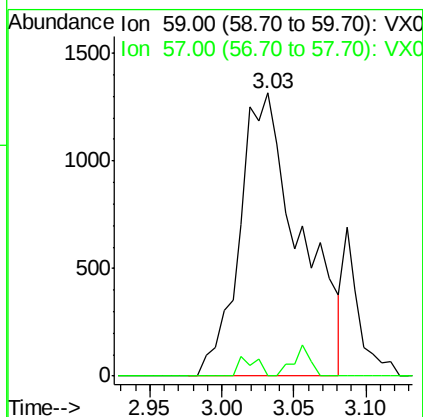
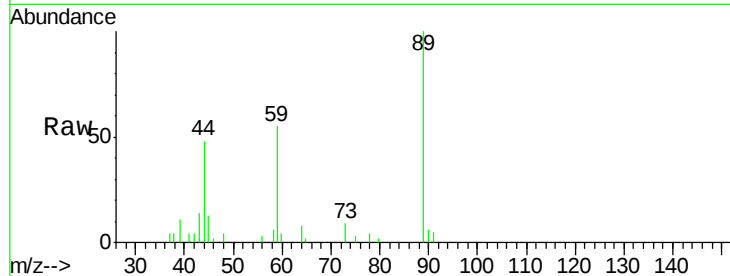




#11
Tert butyl alcohol
Concen: 8.02 ug/l
RT: 3.03 min Scan# 401
Delta R.T. -0.04 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

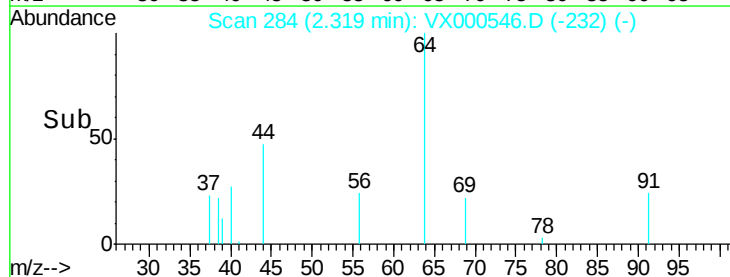
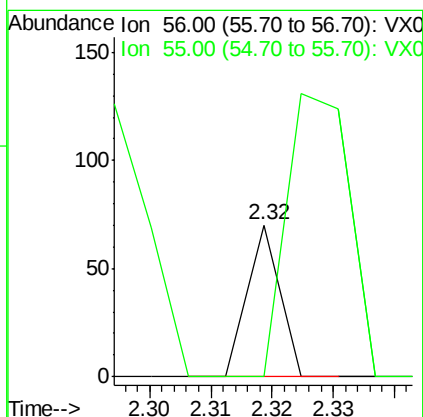
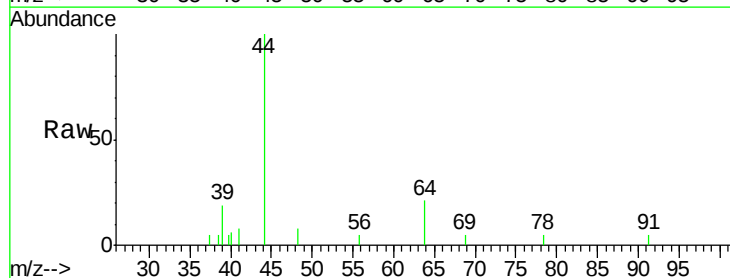
Instrument :
MSVOA_X
ClientSampled :
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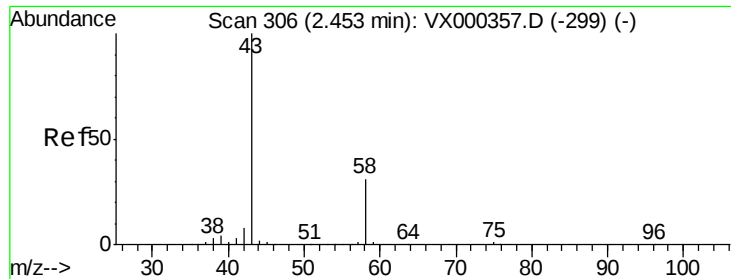
Tgt Ion: 59 Resp: 3814
Ion Ratio Lower Upper
59 100
57 2.1 8.4 12.6#



#13
Acrolein
Concen: 14.74 ug/l
RT: 2.32 min Scan# 284
Delta R.T. 0.02 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

Tgt Ion: 56 Resp: 26
Ion Ratio Lower Upper
56 100
55 357.7 58.8 88.2#





#16

Acetone

Concen: 8.55 ug/l

RT: 2.45 min Scan# 305

Delta R.T. -0.01 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

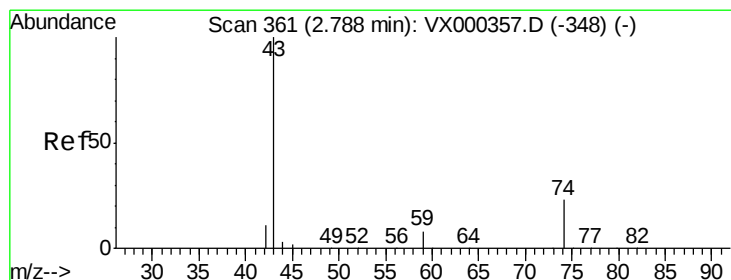
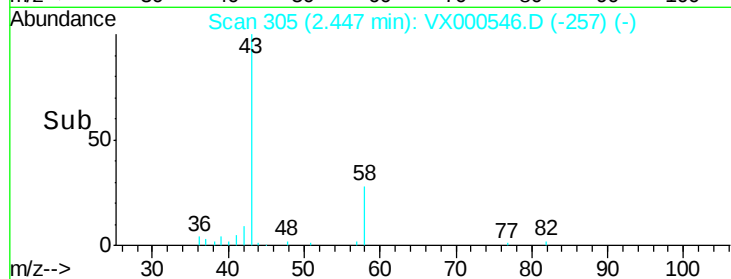
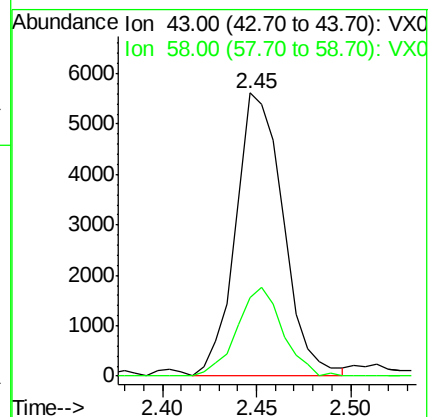
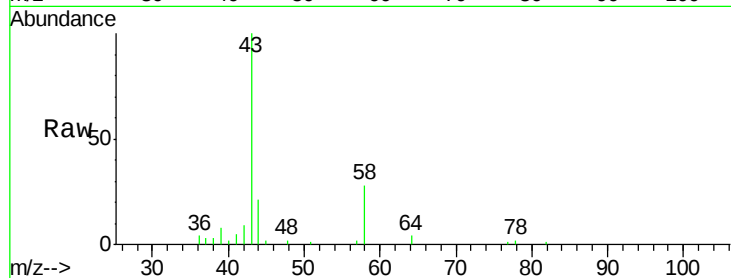
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Tgt Ion: 43 Resp: 9836

Ion Ratio Lower Upper

43 100

58 27.7 24.7 37.1



#18

Methyl Acetate

Concen: 4.87 ug/l

RT: 2.62 min Scan# 334

Delta R.T. -0.16 min

Lab File: VX000546.D

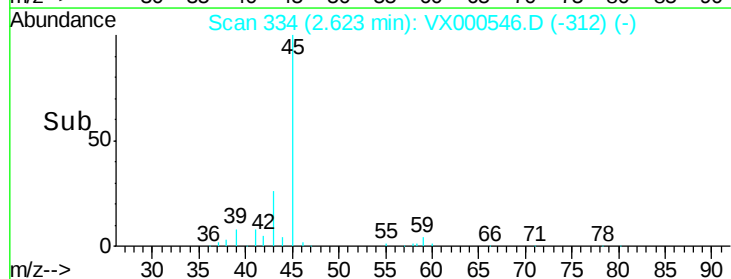
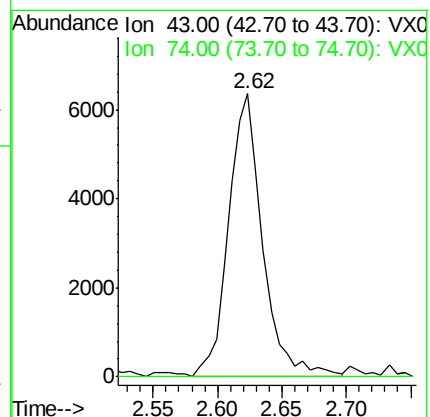
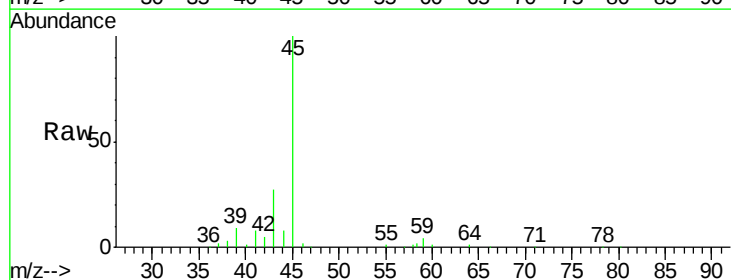
Acq: 30 Mar 2018 06:26

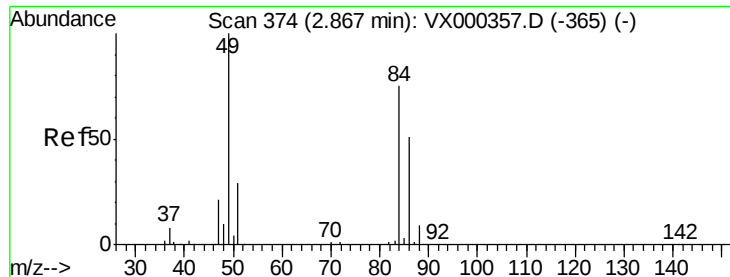
Tgt Ion: 43 Resp: 11752

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#

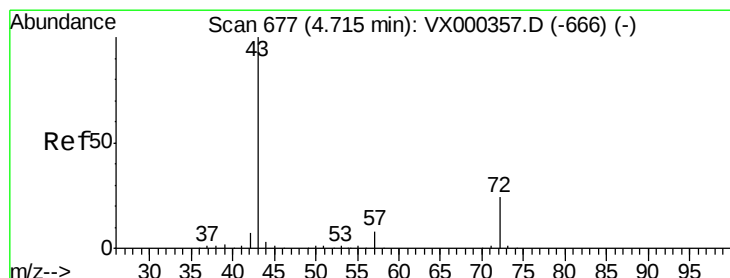
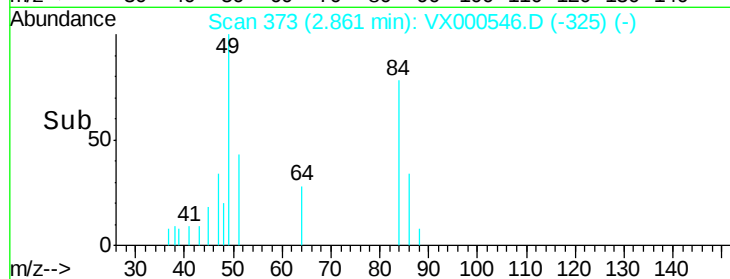
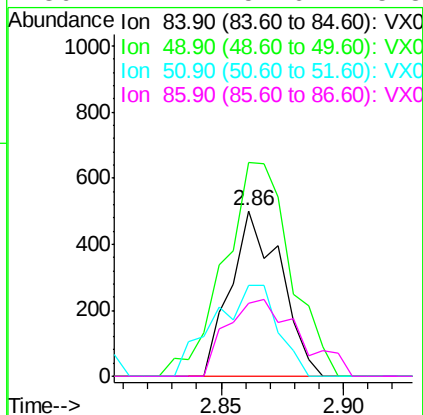
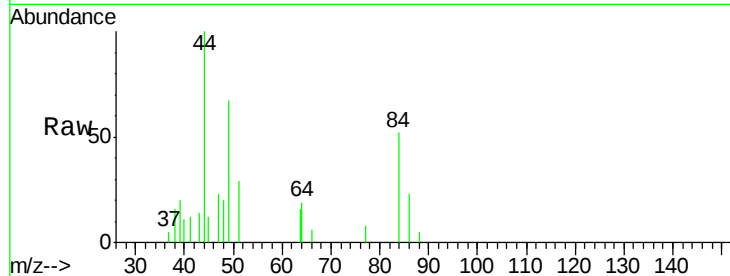




#20
Methylene Chloride
Concen: 0.54 ug/l
RT: 2.86 min Scan# 373
Delta R.T. -0.01 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

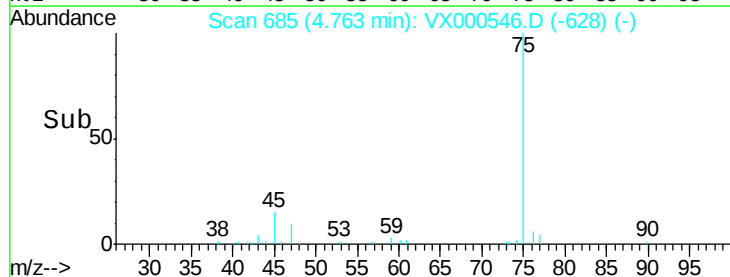
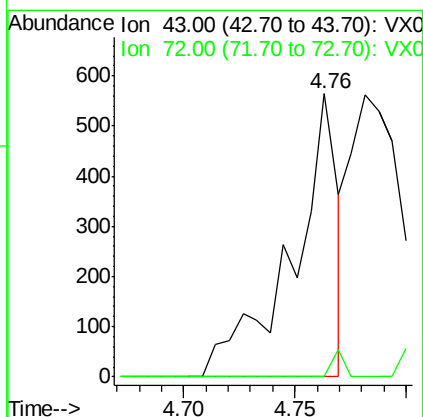
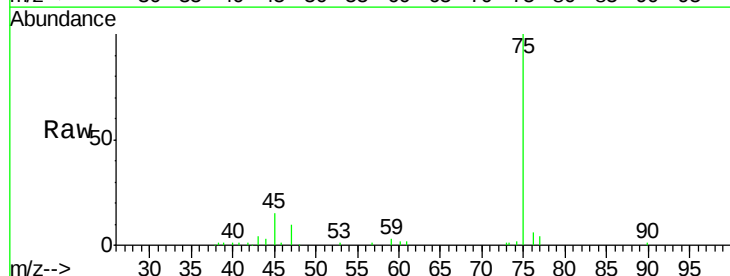
Instrument :
MSVOA_X
ClientSampleId :
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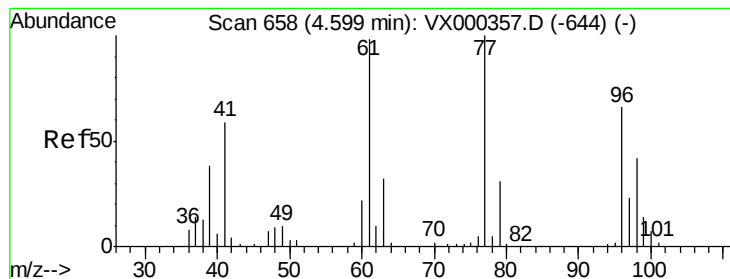
Tgt Ion: 84 Resp: 714
Ion Ratio Lower Upper
84 100
49 128.9 100.6 151.0
51 55.2 31.6 47.4#
86 44.2 52.6 78.8#



#25
2-Butanone
Concen: 0.62 ug/l
RT: 4.76 min Scan# 685
Delta R.T. 0.05 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

Tgt Ion: 43 Resp: 798
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#





#26

2,2-Dichloropropane

Concen: 1.39 ug/l

RT: 4.77 min Scan# 686

Delta R.T. 0.17 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

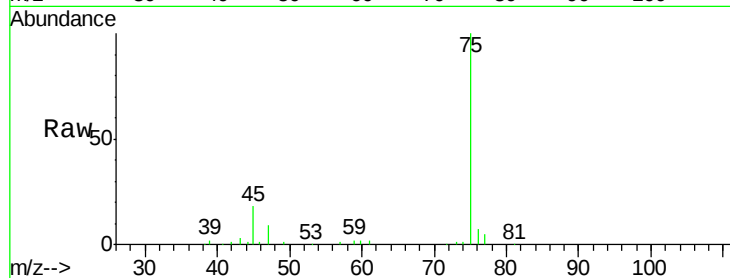
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Tgt Ion: 77 Resp: 2197

Ion Ratio Lower Upper

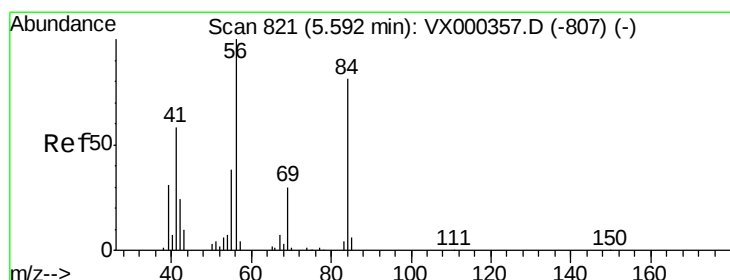
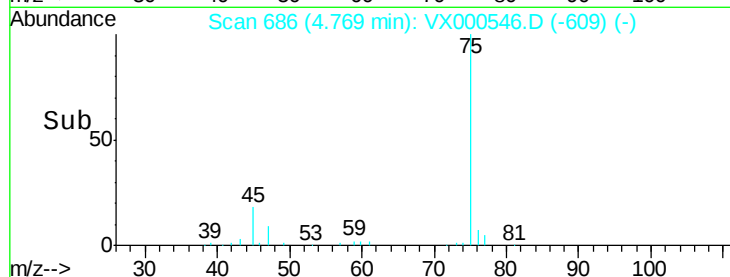
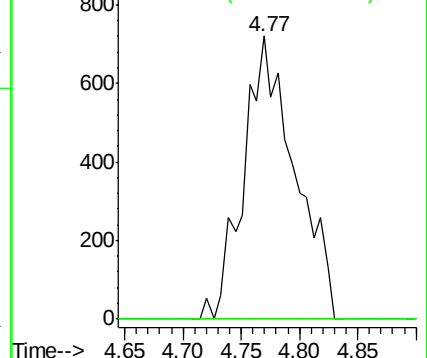
77 100

97 0.0 11.3 33.8#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



#31

Cyclohexane

Concen: 1.45 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

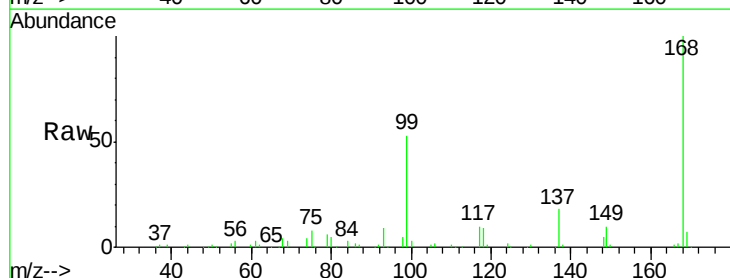
Tgt Ion: 56 Resp: 2537

Ion Ratio Lower Upper

56 100

69 91.3 23.4 35.0#

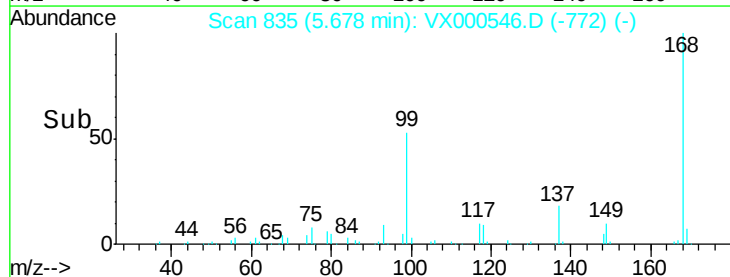
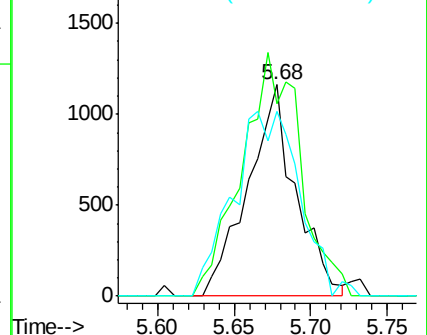
84 87.6 71.0 106.4

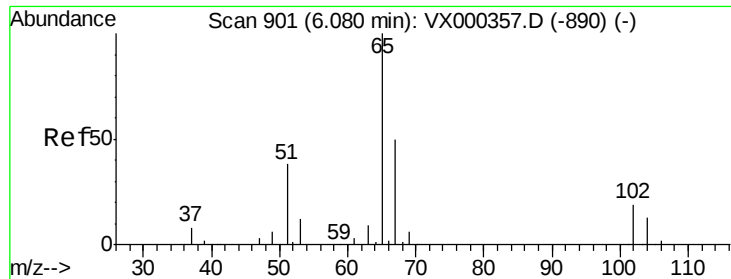


Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

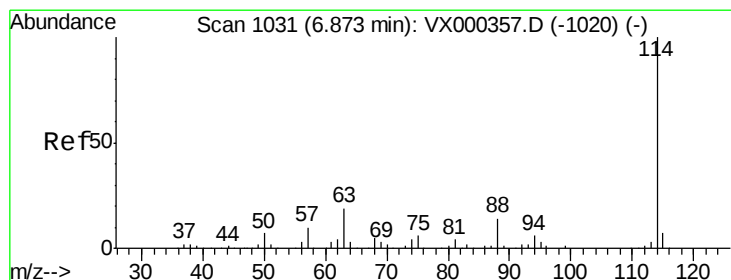
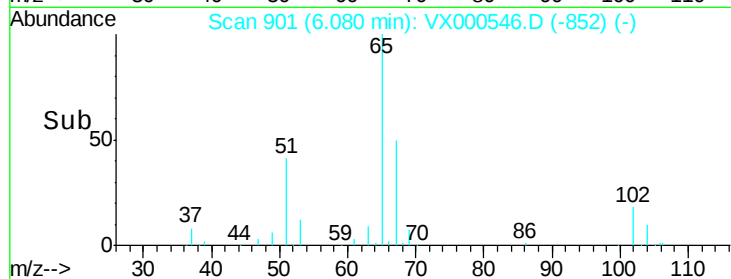
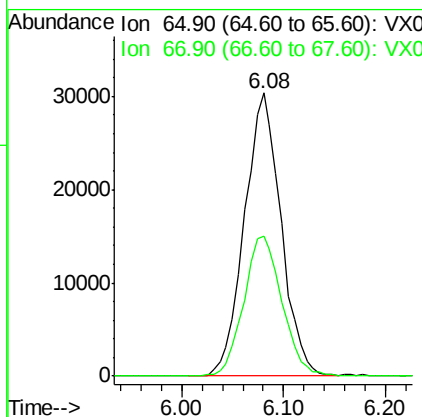
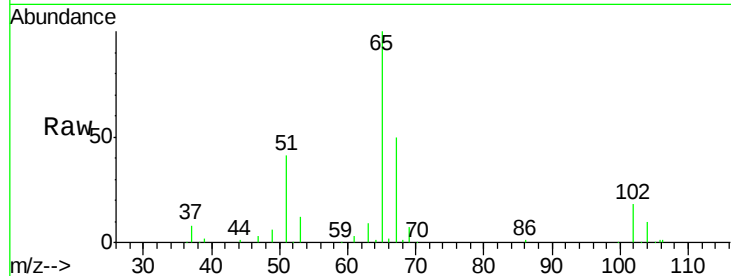




#33
 1,2-Dichloroethane-d4
 Concen: 54.78 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: VX000546.D
 Acq: 30 Mar 2018 06:26

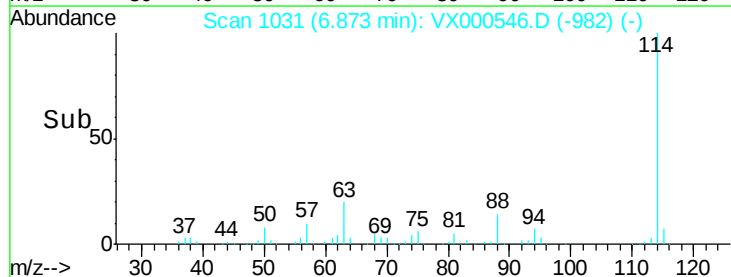
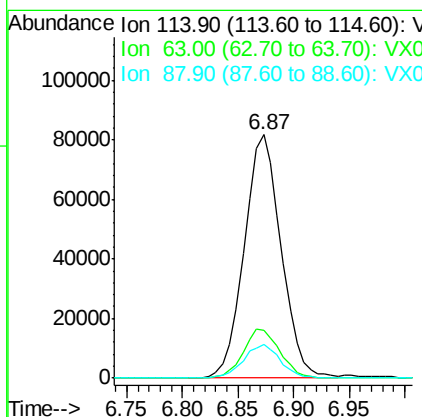
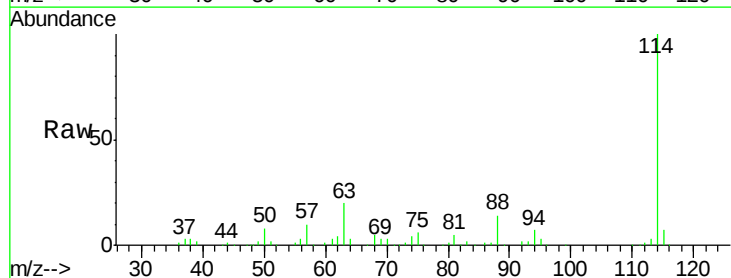
Instrument :
 MSVOA_X
 ClientSampleId :
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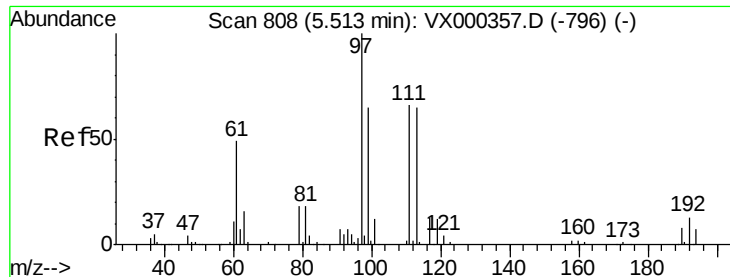
Tgt Ion: 65 Resp: 75733
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VX000546.D
 Acq: 30 Mar 2018 06:26

Tgt Ion: 114 Resp: 188518
 Ion Ratio Lower Upper
 114 100
 63 19.6 0.0 38.4
 88 13.8 0.0 27.0





#35

Dibromofluoromethane

Concen: 51.15 ug/l

RT: 5.52 min Scan# 809

Delta R.T. 0.01 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

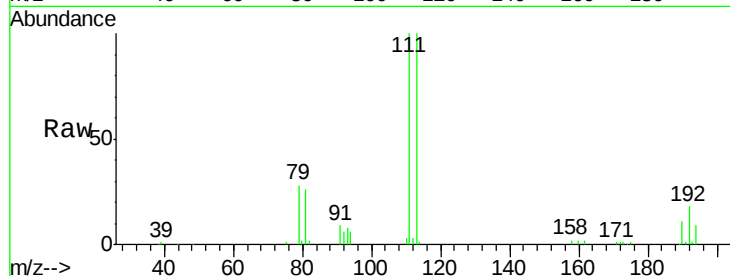
Tgt Ion:113 Resp: 60762

Ion Ratio Lower Upper

113 100

111 103.0 82.4 123.6

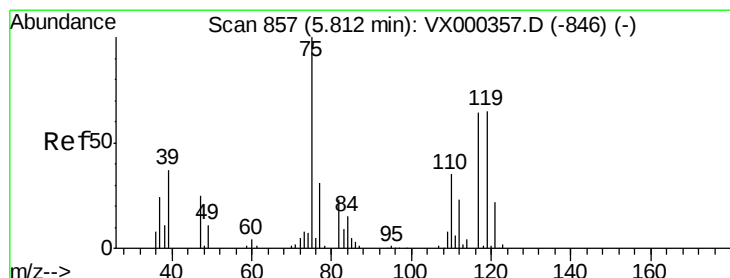
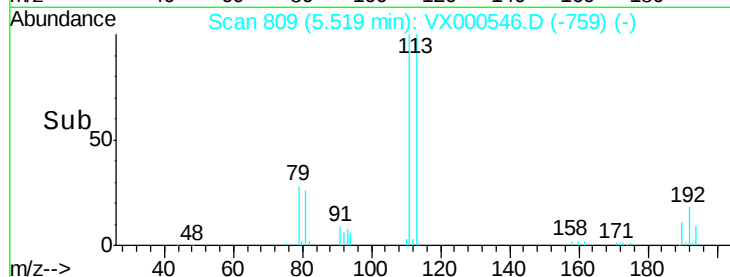
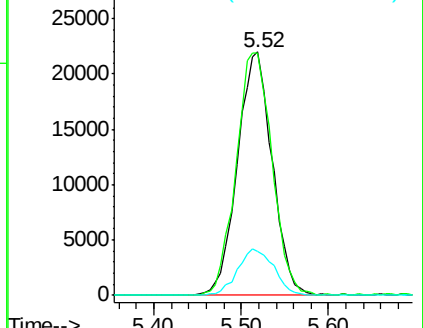
192 19.9 15.8 23.6



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: 4.79 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.13 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

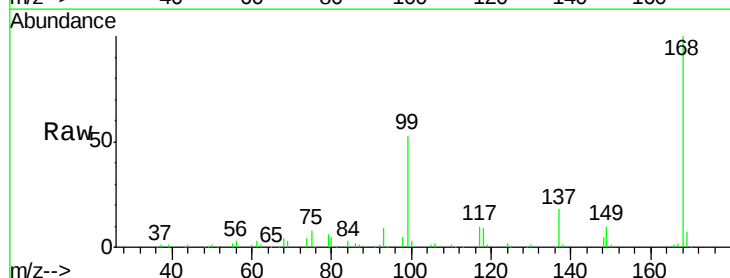
Tgt Ion: 75 Resp: 8457

Ion Ratio Lower Upper

75 100

110 9.4 17.9 53.7#

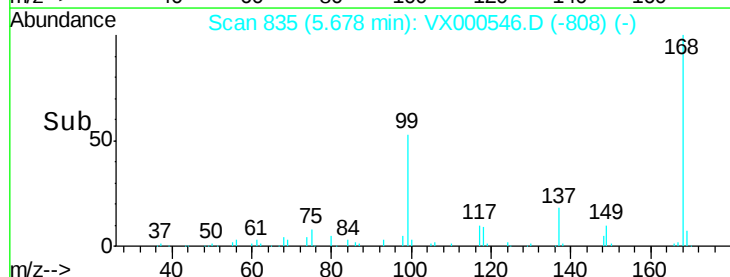
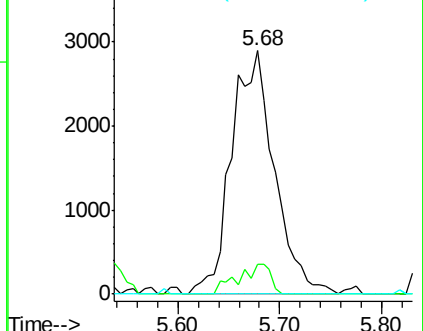
77 0.0 24.0 36.0#

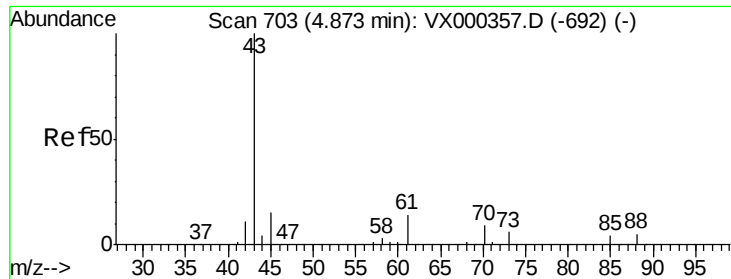


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

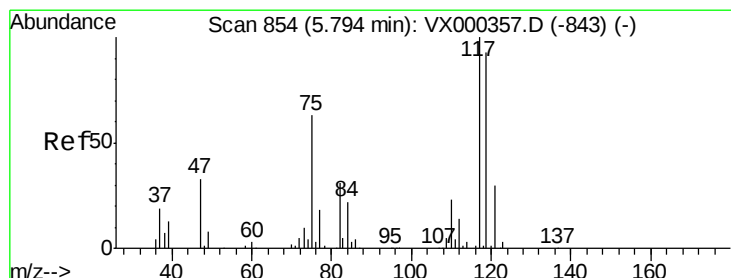
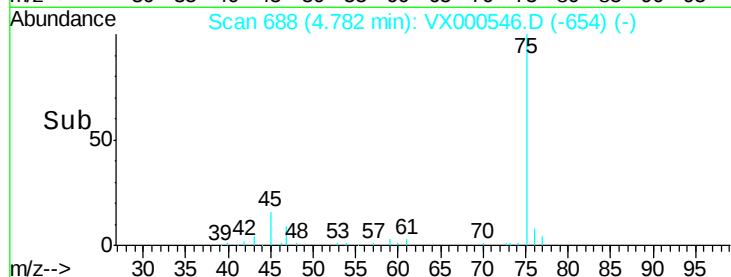
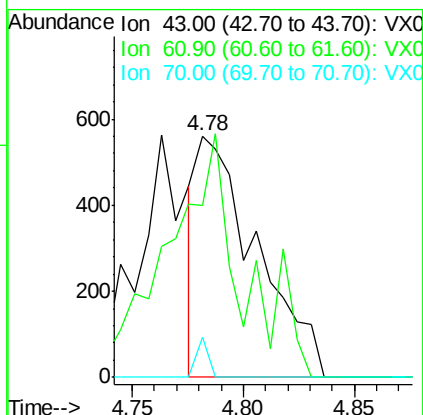
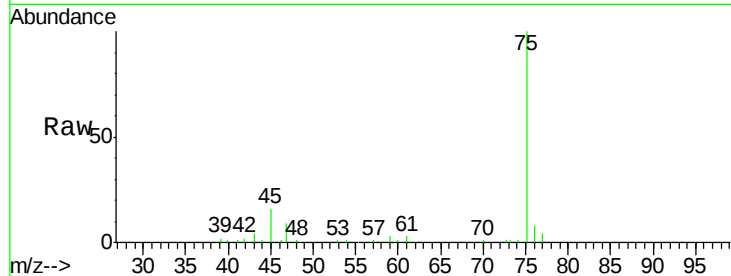




#37
Ethyl Acetate
Concen: 0.43 ug/l
RT: 4.78 min Scan# 688
Delta R.T. -0.09 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

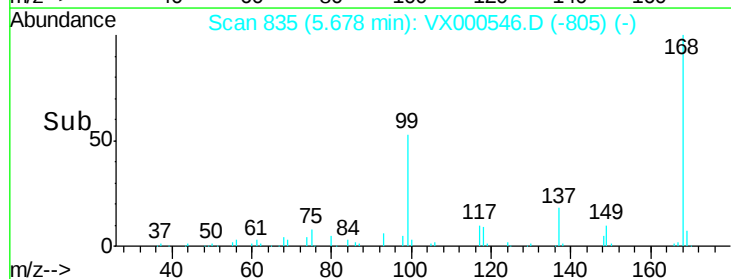
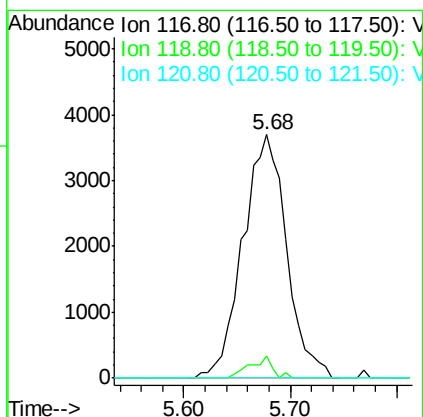
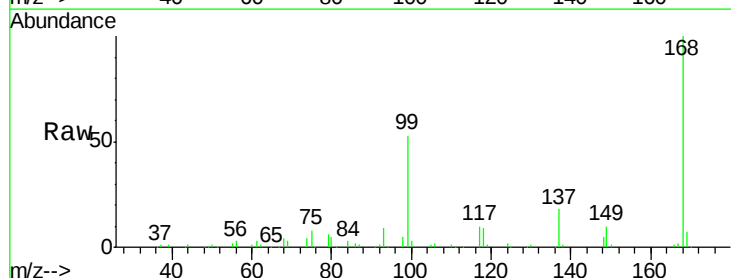
Instrument :
MSVOA_X
ClientSampleId :
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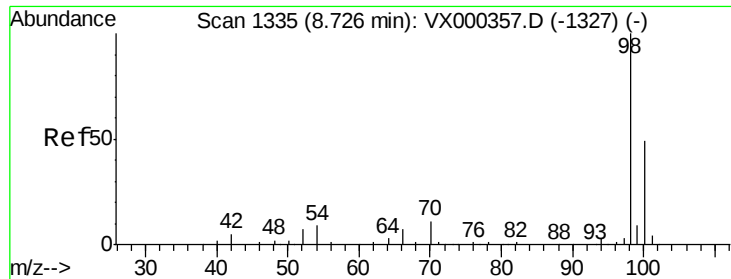
Tgt Ion: 43 Resp: 1035
Ion Ratio Lower Upper
43 100
61 103.0 11.1 16.7#
70 3.3 7.7 11.5#



#38
Carbon Tetrachloride
Concen: 5.74 ug/l
RT: 5.68 min Scan# 835
Delta R.T. -0.12 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

Tgt Ion: 117 Resp: 10627
Ion Ratio Lower Upper
117 100
119 9.2 77.4 116.2#
121 0.0 24.8 37.2#

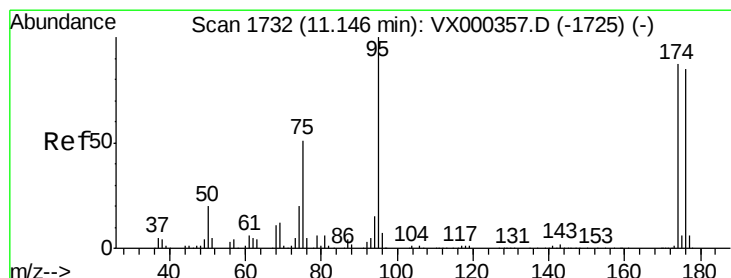
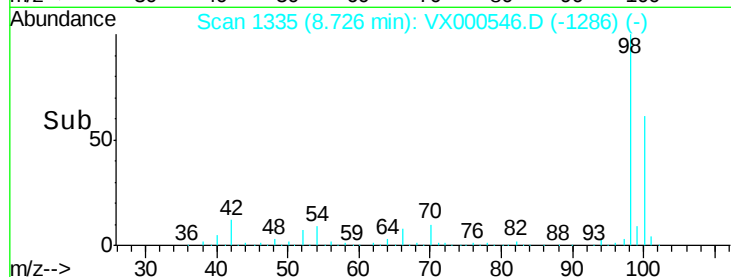
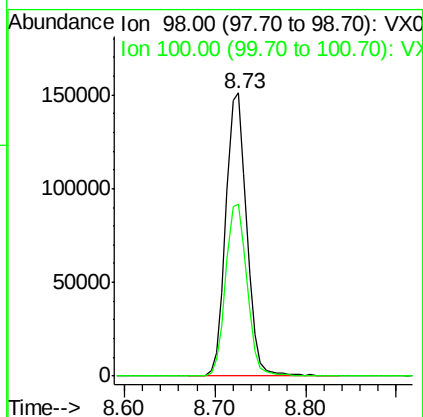
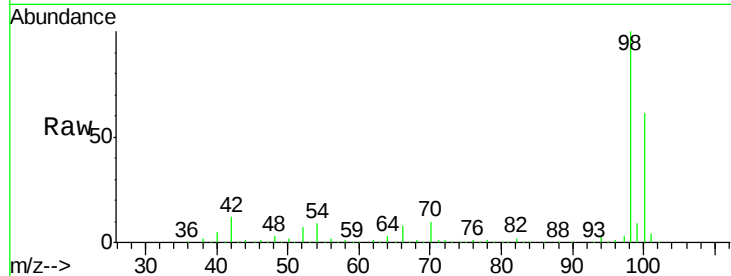




#50
Toluene-d8
Concen: 49.39 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

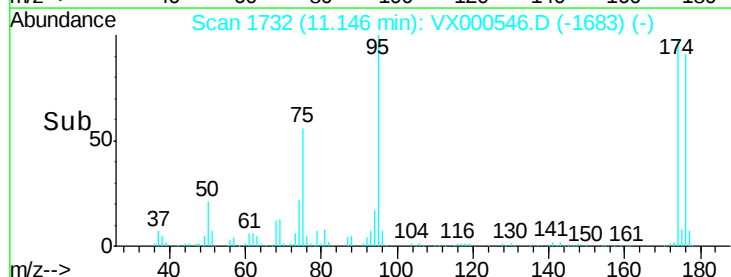
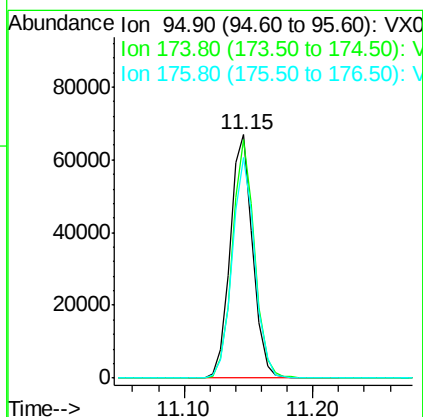
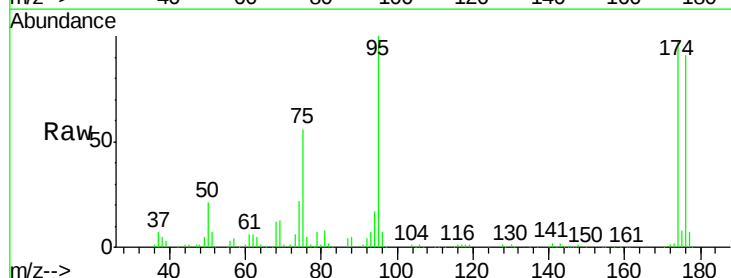
Instrument :
MSVOA_X
ClientSampleId :
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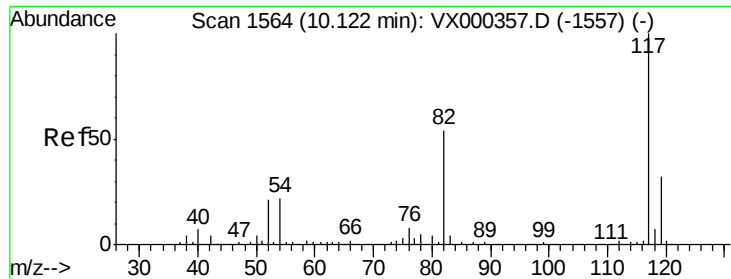
Tgt Ion: 98 Resp: 242985
Ion Ratio Lower Upper
98 100
100 62.4 51.2 76.8



#62
4-Bromofluorobenzene
Concen: 40.85 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.00 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

Tgt Ion: 95 Resp: 82248
Ion Ratio Lower Upper
95 100
174 96.2 0.0 173.6
176 91.0 0.0 164.6

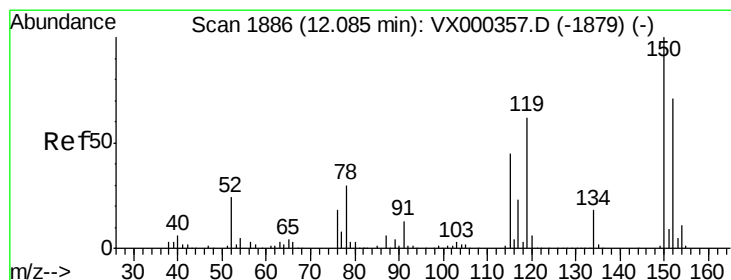
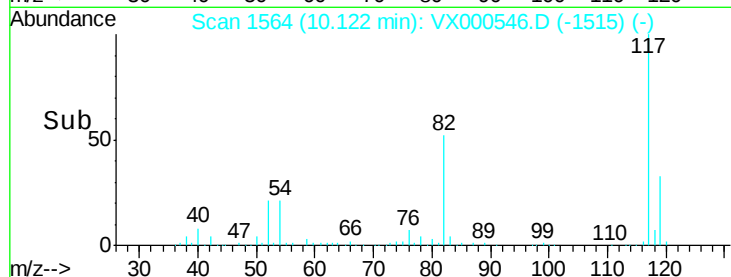
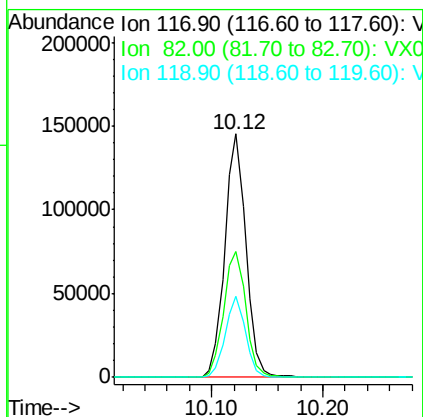
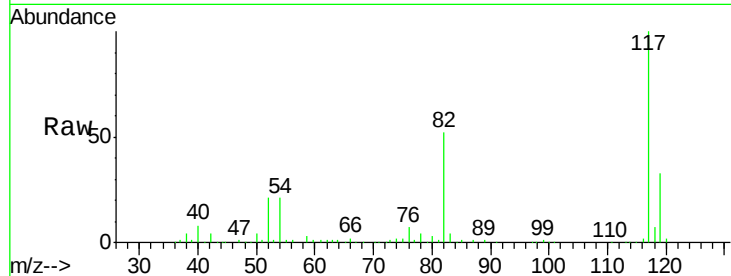




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

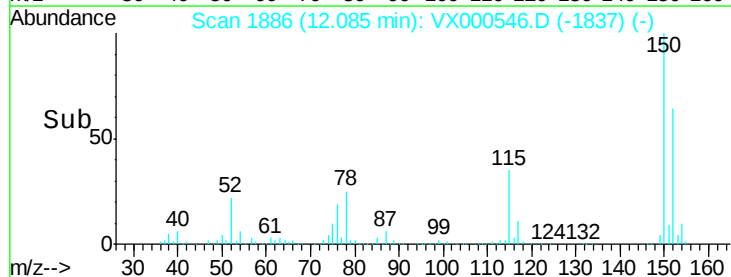
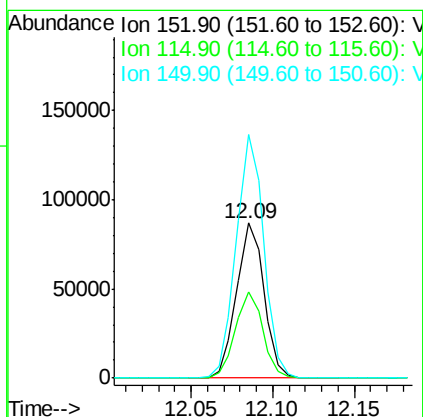
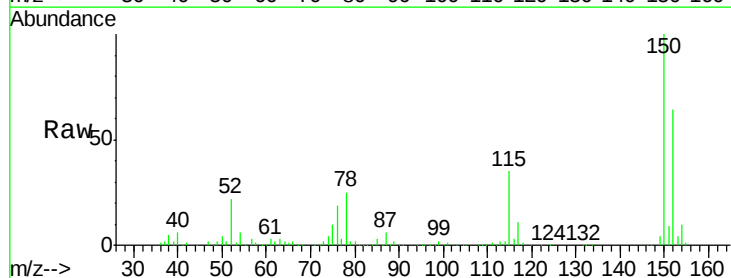
Instrument :
MSVOA_X
ClientSampled :
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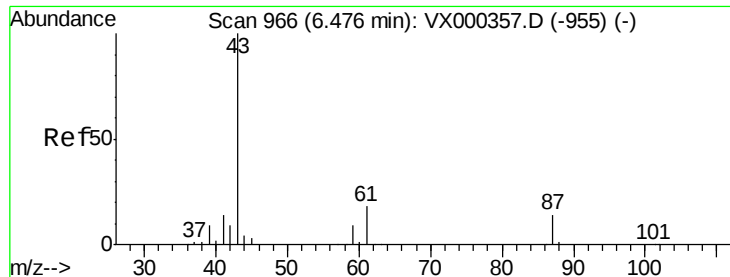
Tgt Ion:117 Resp: 191539
Ion Ratio Lower Upper
117 100
82 51.9 43.8 65.8
119 33.3 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000546.D
Acq: 30 Mar 2018 06:26

Tgt Ion:152 Resp: 102858
Ion Ratio Lower Upper
152 100
115 54.8 39.8 119.3
150 156.8 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 967

Delta R.T. 0.01 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tgt Ion: 43 Resp: 50

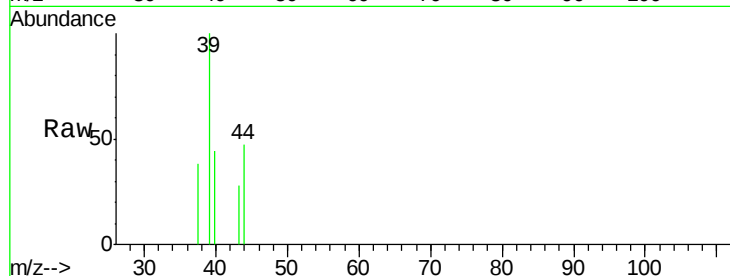
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 0.0 14.4 21.6#

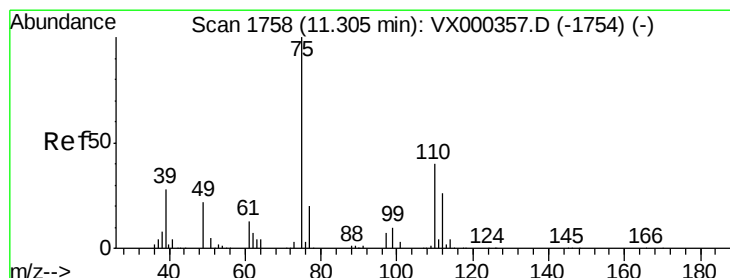
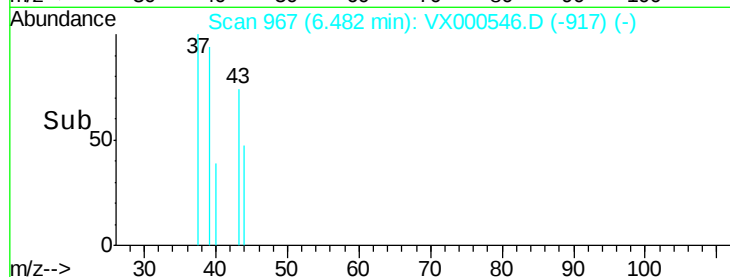
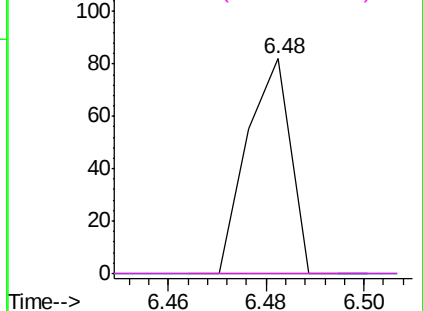


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.20 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000546.D

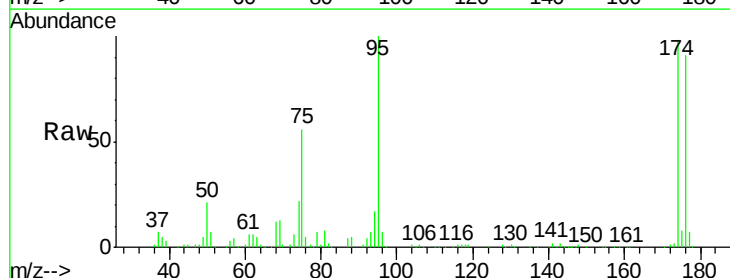
Acq: 30 Mar 2018 06:26

Tgt Ion: 75 Resp: 49077

Ion Ratio Lower Upper

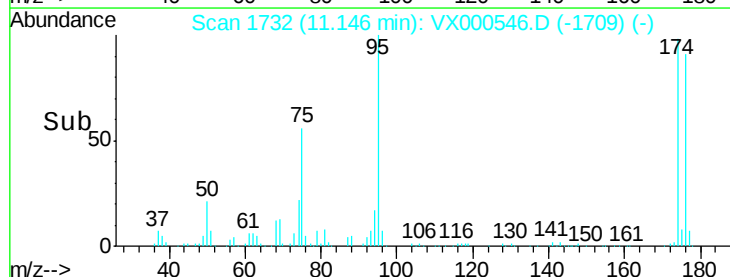
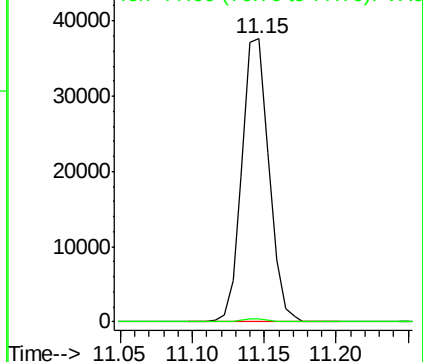
75 100

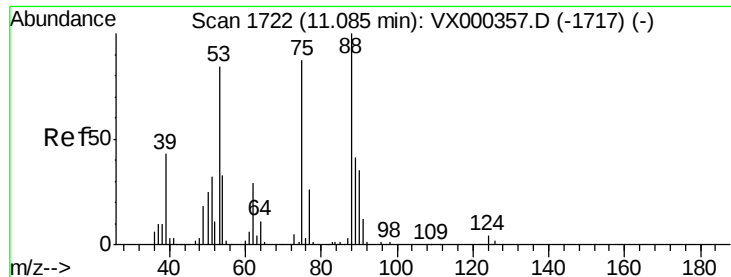
77 1.2 21.4 64.2#



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: 71.88 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000546.D

Acq: 30 Mar 2018 06:26

Instrument :

MSVOA_X

ClientSampleId :

FIELD-BLANK

Tgt Ion: 75 Resp: 49077

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

89 0.0 39.4 59.0#

