

Data File : VX000538.D
Acq On : 30 Mar 2018 03:02
Operator : JC/MD
Sample : J2117-02 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TPIAS

Quant Time: Mar 30 07:03:41 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	5.67	168	105883	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	186761	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	190199	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	102698	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.08	65	76145	55.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.18%	
35) Dibromofluoromethane	5.51	113	59369	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
50) Toluene-d8	8.73	98	240628	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
62) 4-Bromofluorobenzene	11.15	95	84935	42.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.64%	

Target Compounds			Qvalue			
6) Chloroethane	1.73	64	347	Below Cal	#	44
11) Tert butyl alcohol	3.04	59	706	1.48	ug/l #	72
13) Acrolein	2.36	56	55	14.92	ug/l #	64
16) Acetone	2.45	43	8467	7.36	ug/l	90
20) Methylene Chloride	2.87	84	8357	6.29	ug/l	97
25) 2-Butanone	4.73	43	1432	1.11	ug/l #	57
31) Cyclohexane	5.67	56	2760	1.58	ug/l #	66
36) 1,1-Dichloropropene	5.67	75	8307	4.75	ug/l #	51
37) Ethyl Acetate	4.73	43	1432	0.60	ug/l #	69
38) Carbon Tetrachloride	5.67	117	10144	5.53	ug/l #	16
43) Isopropyl Acetate	6.48	43	1558	0.44	ug/l #	74
60) Dibromochloromethane	9.59	129	19	4.13	ug/l #	12
74) N-amyl acetate	6.48	43	1558	Below Cal	#	74
76) 1,2,3-Trichloropropane	11.15	75	48934	22.17	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.15	75	48934	71.78	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	2174	0.36	ug/l	92
95) Naphthalene	13.84	128	70046	8.35	ug/l	99

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

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ClientSampleId :
TPIAS

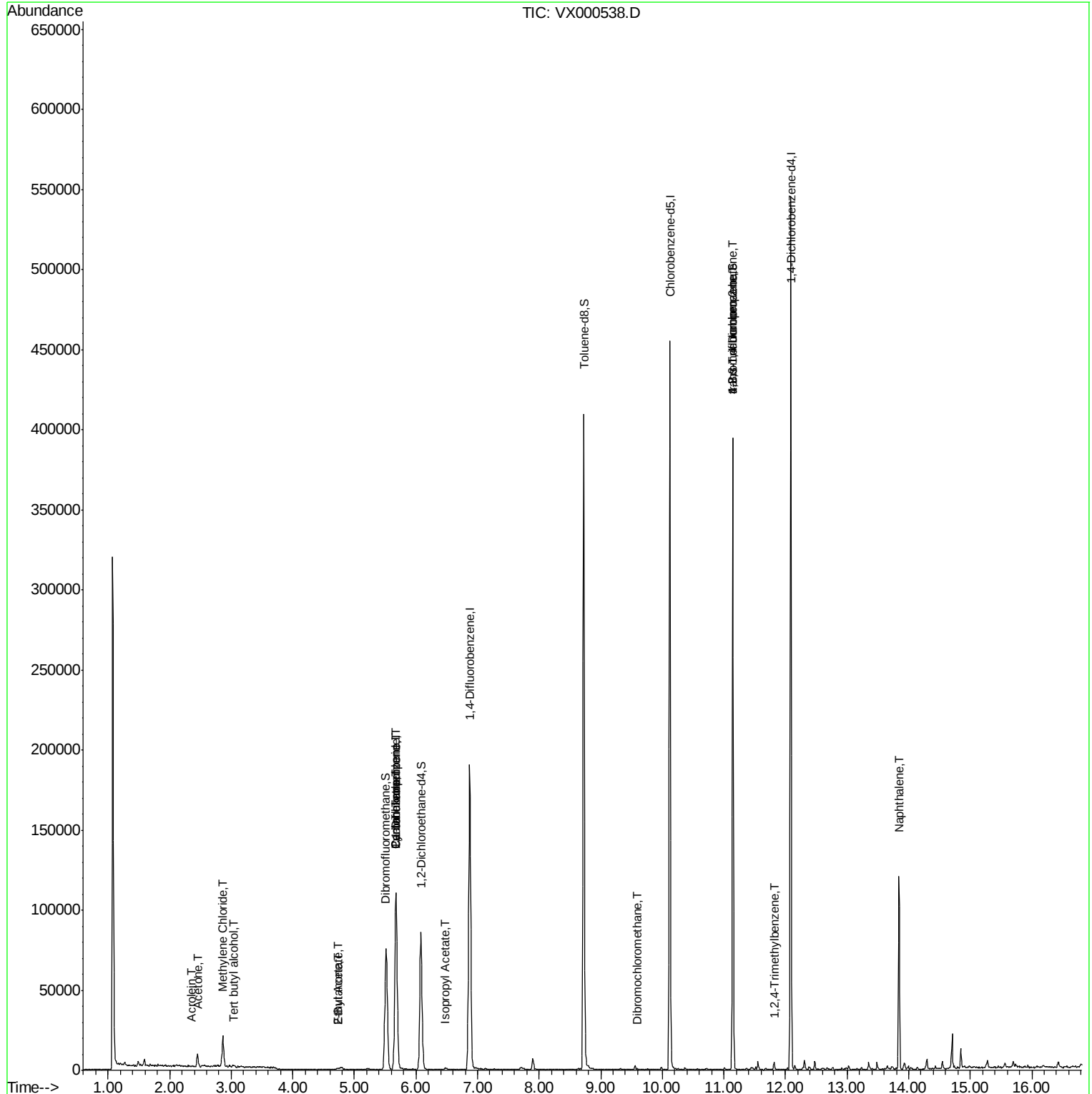
Quant Time: Mar 30 07:03:41 2018

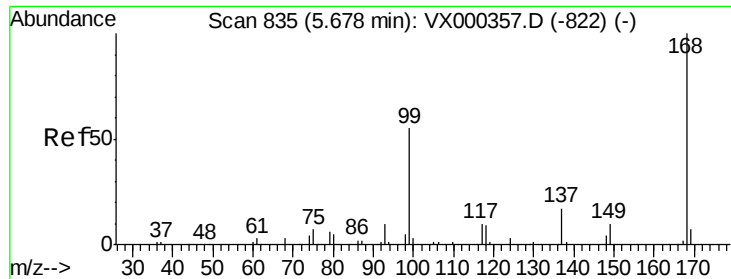
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration

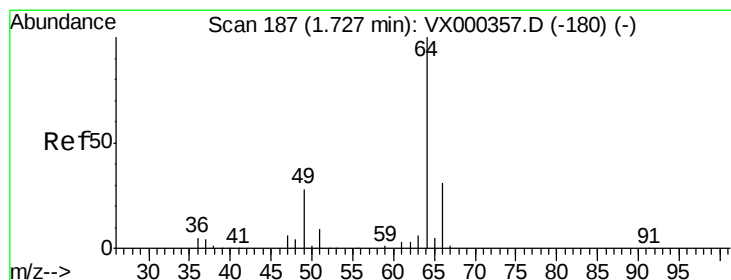
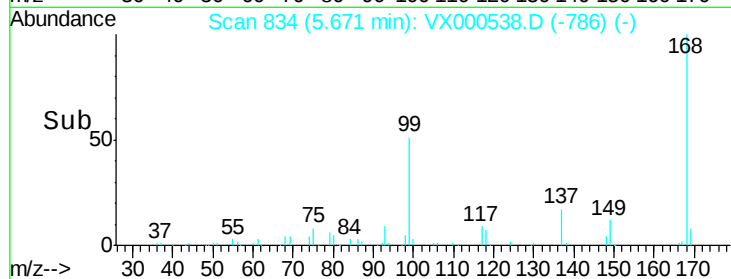
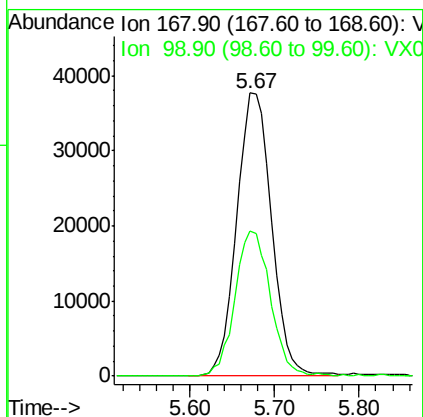
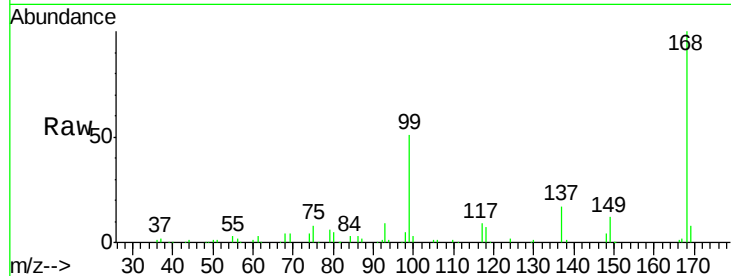




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.67 min Scan# 834
Delta R.T. -0.01 min
Lab File: VX000538.D
Acq: 30 Mar 2018 03:02

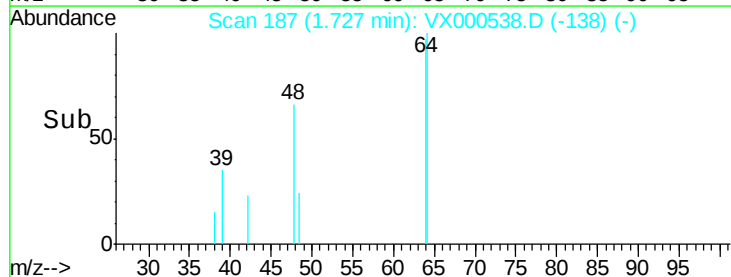
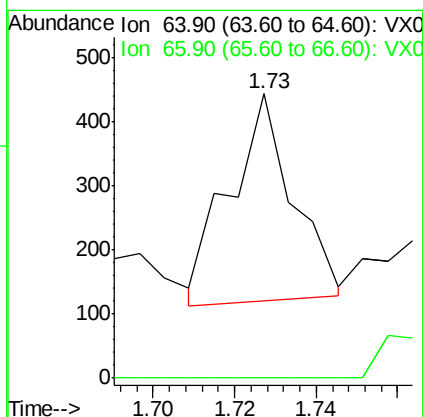
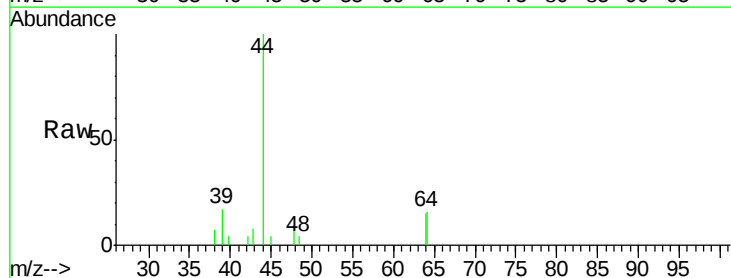
Instrument :
MSVOA_X
ClientSampled :
TPIAS

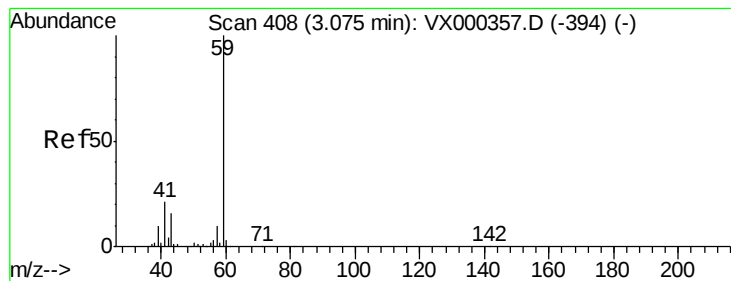
Tgt Ion: 168 Resp: 105883
Ion Ratio Lower Upper
168 100
99 51.5 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.73 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX000538.D
Acq: 30 Mar 2018 03:02

Tgt Ion: 64 Resp: 347
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#





#11

Tert butyl alcohol

Concen: 1.48 ug/l

RT: 3.04 min Scan# 402

Delta R.T. -0.04 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampled :

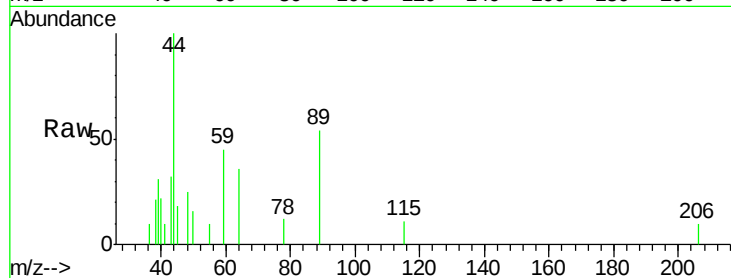
TPIAS

Tgt Ion: 59 Resp: 706

Ion Ratio Lower Upper

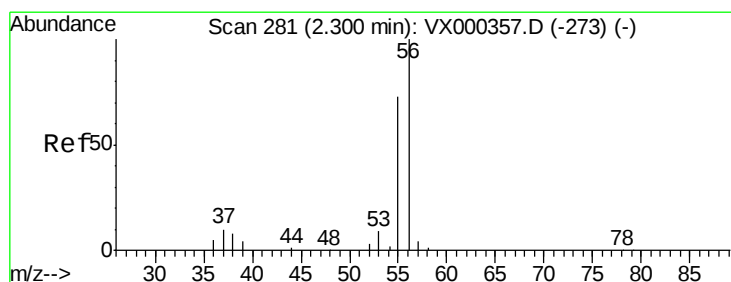
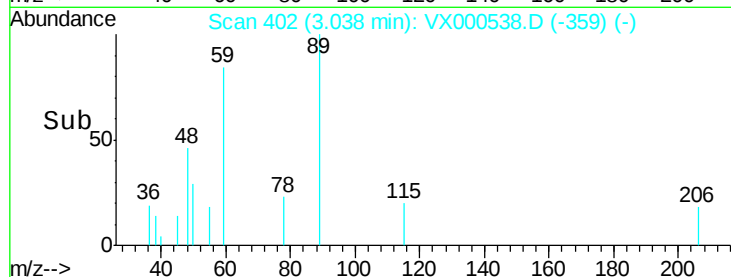
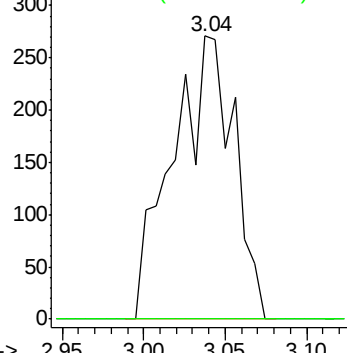
59 100

57 0.0 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: 14.92 ug/l

RT: 2.36 min Scan# 290

Delta R.T. 0.06 min

Lab File: VX000538.D

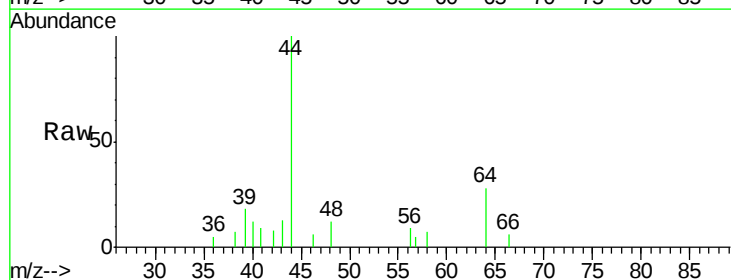
Acq: 30 Mar 2018 03:02

Tgt Ion: 56 Resp: 55

Ion Ratio Lower Upper

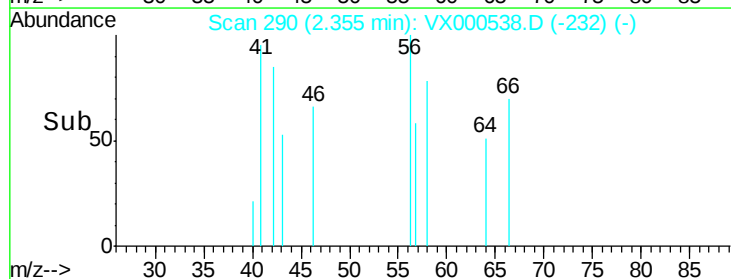
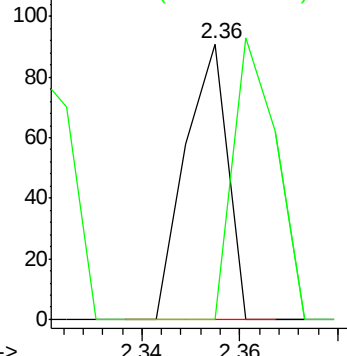
56 100

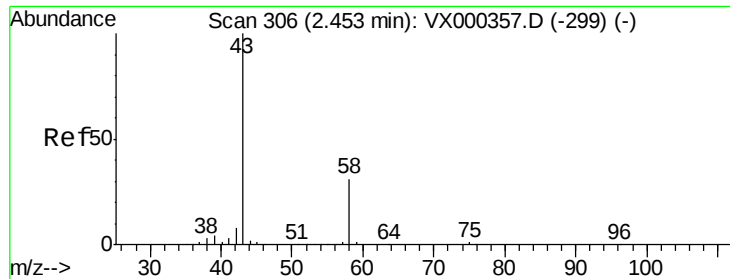
55 103.6 58.8 88.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0





#16

Acetone

Concen: 7.36 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampled :

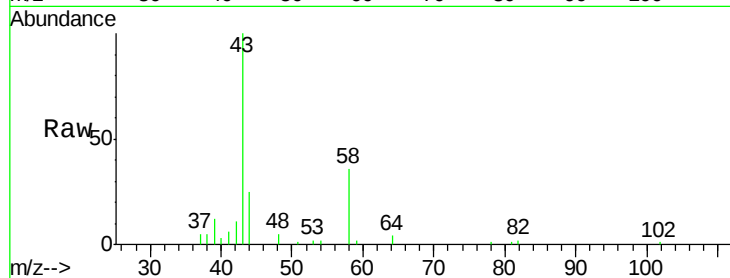
TPIAS

Tgt Ion: 43 Resp: 8467

Ion Ratio Lower Upper

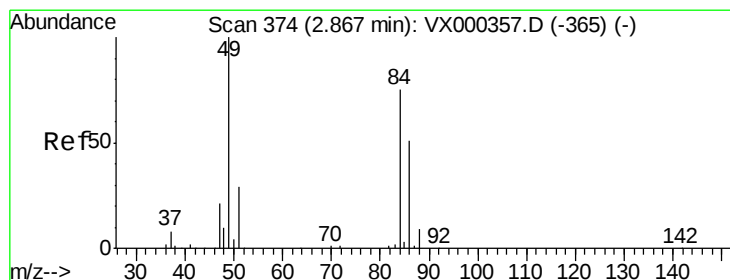
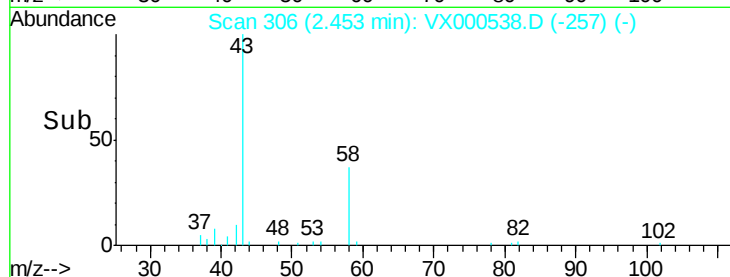
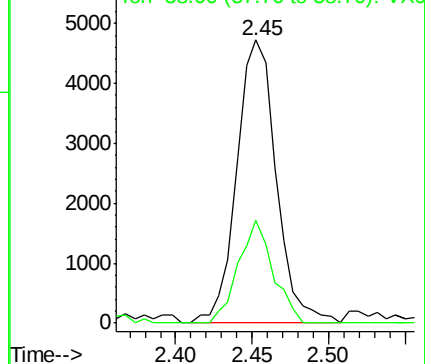
43 100

58 36.2 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: 6.29 ug/l

RT: 2.87 min Scan# 374

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Tgt Ion: 84 Resp: 8357

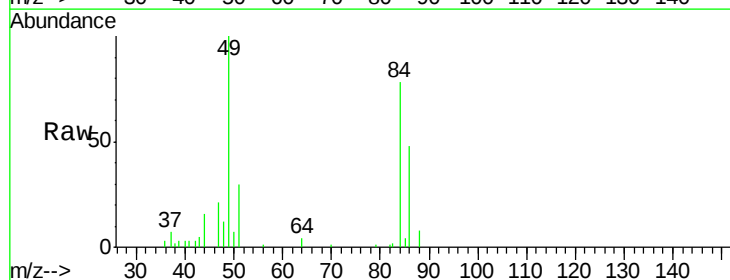
Ion Ratio Lower Upper

84 100

49 127.9 100.6 151.0

51 37.1 31.6 47.4

86 61.4 52.6 78.8

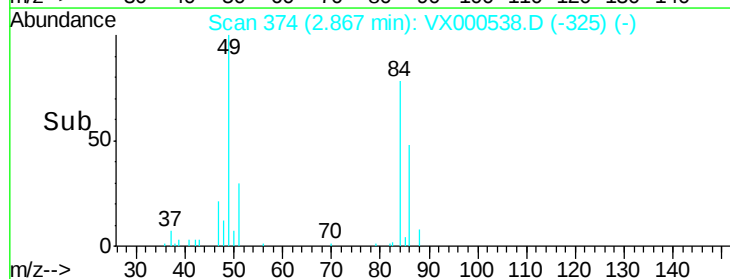
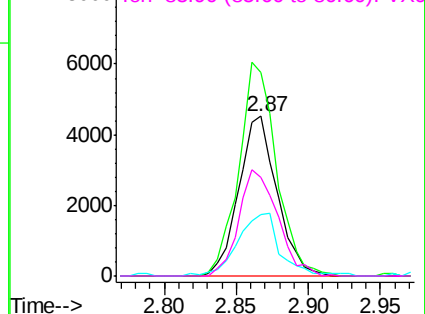


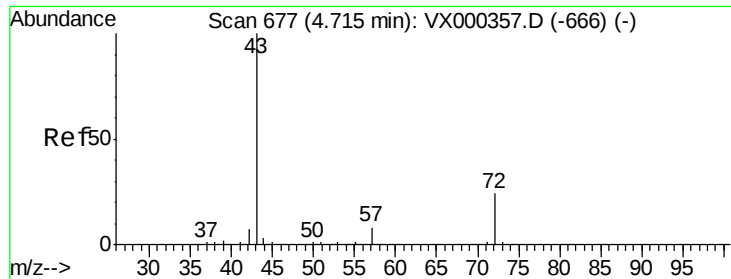
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#25

2-Butanone

Concen: 1.11 ug/l

RT: 4.73 min Scan# 679

Delta R.T. 0.01 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

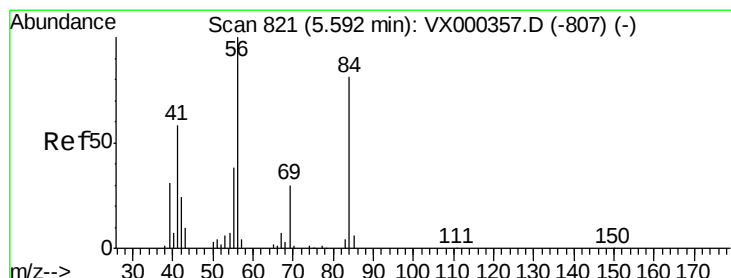
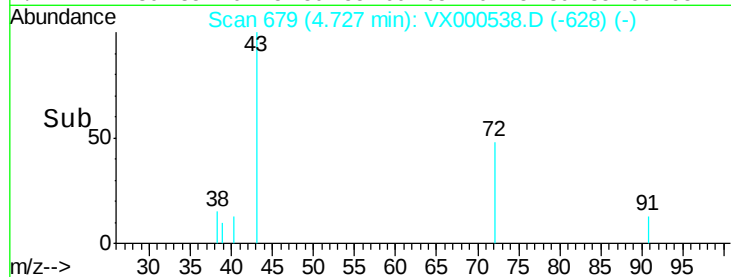
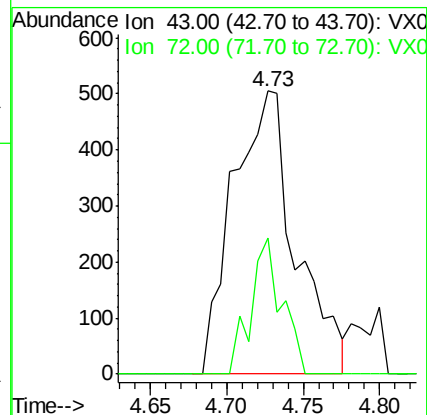
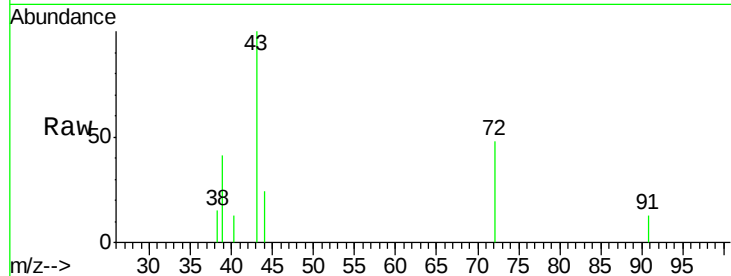
TPIAS

Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

72 48.3 21.0 31.6#



#31

Cyclohexane

Concen: 1.58 ug/l

RT: 5.67 min Scan# 833

Delta R.T. 0.07 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

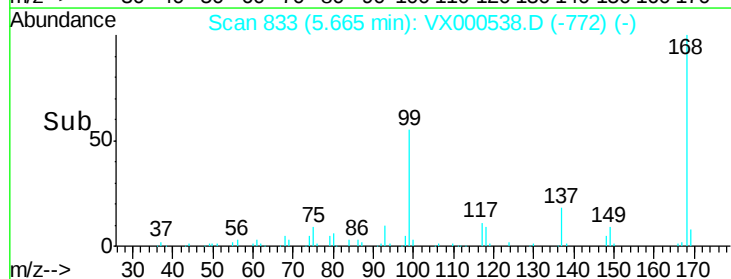
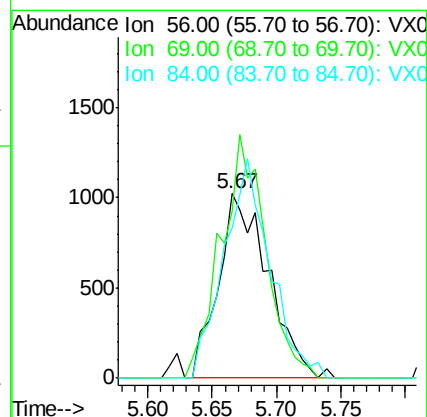
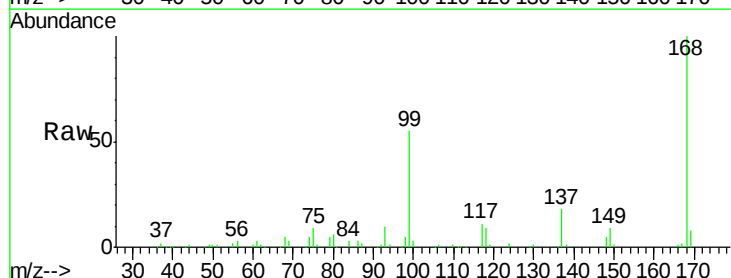
Tgt Ion: 56 Resp: 2760

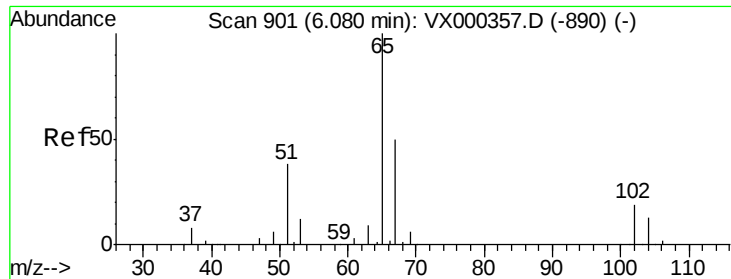
Ion Ratio Lower Upper

56 100

69 90.2 23.4 35.0#

84 81.1 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 55.09 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

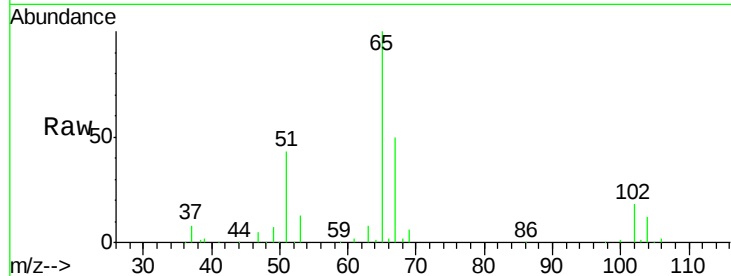
TPIAS

Tgt Ion: 65 Resp: 76145

Ion Ratio Lower Upper

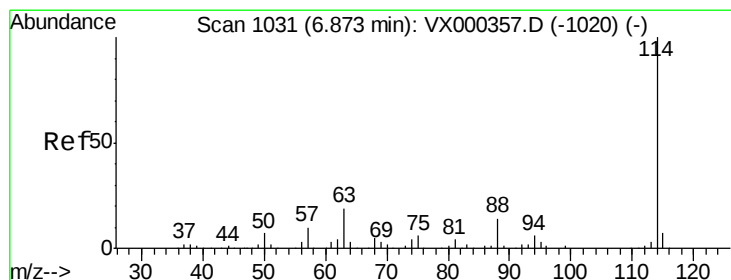
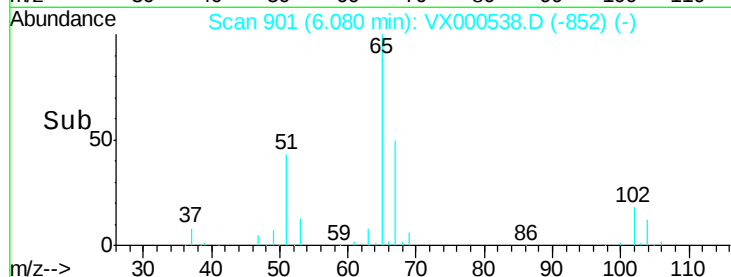
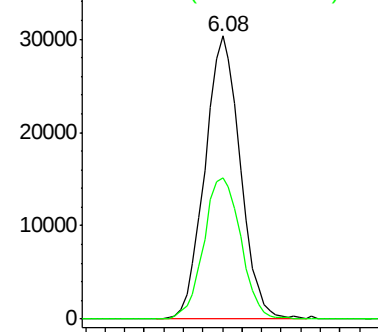
65 100

67 52.2 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: VX000538.D

Acq: 30 Mar 2018 03:02

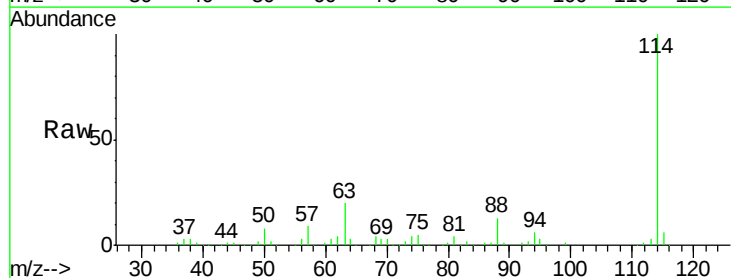
Tgt Ion: 114 Resp: 186761

Ion Ratio Lower Upper

114 100

63 19.7 0.0 38.4

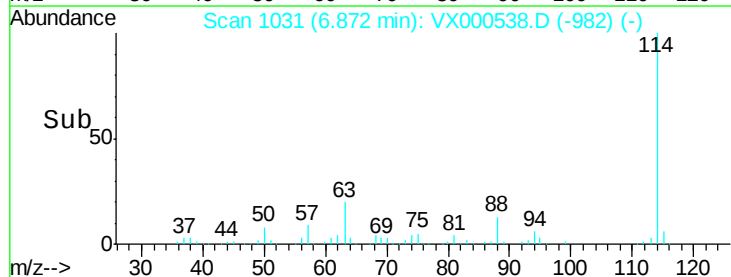
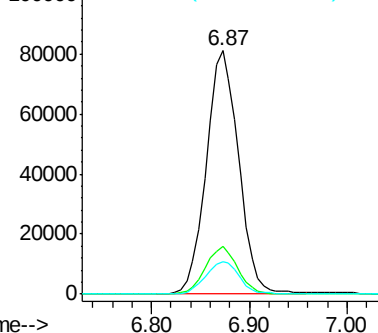
88 13.3 0.0 27.0

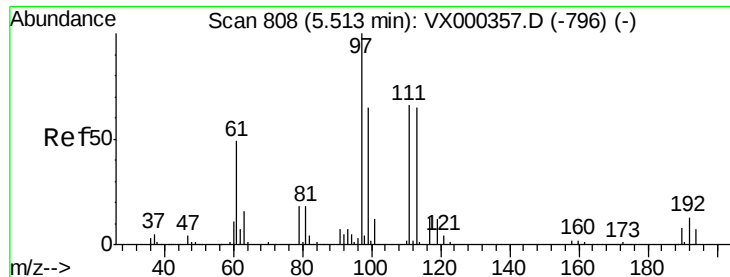


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 50.45 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

TPIAS

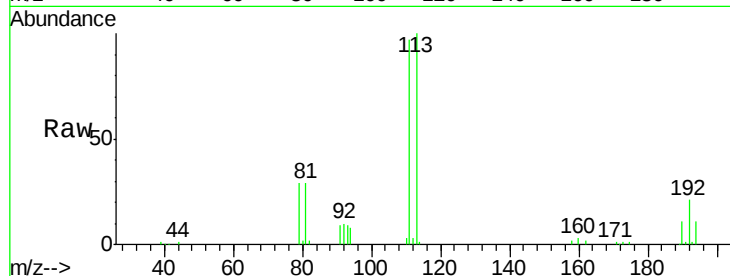
Tgt Ion:113 Resp: 59369

Ion Ratio Lower Upper

113 100

111 101.7 82.4 123.6

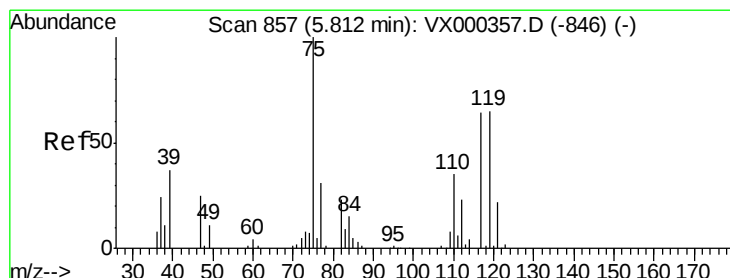
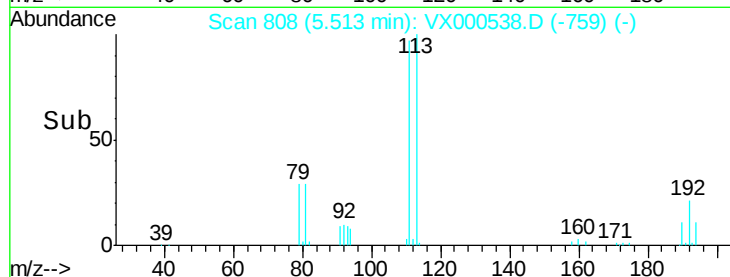
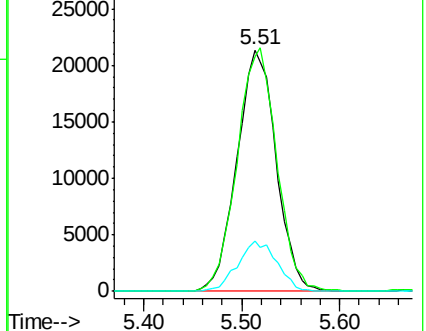
192 20.8 15.8 23.6



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: 4.75 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.15 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

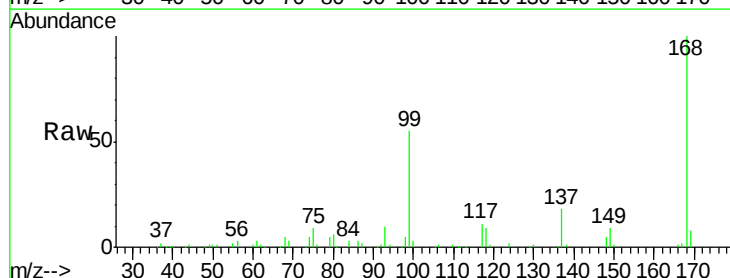
Tgt Ion: 75 Resp: 8307

Ion Ratio Lower Upper

75 100

110 10.2 17.9 53.7#

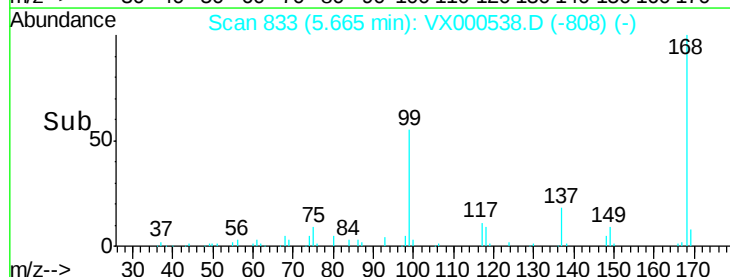
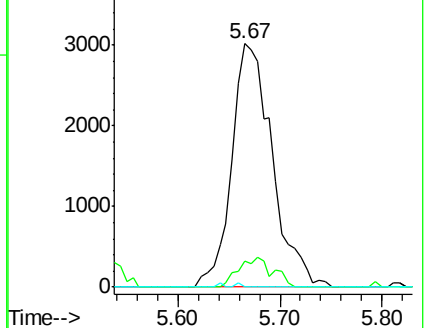
77 0.2 24.0 36.0#

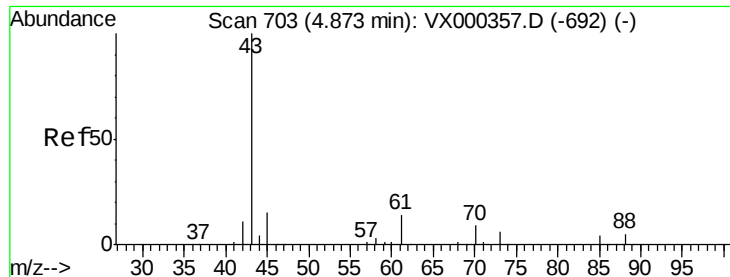


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#37

Ethyl Acetate

Concen: 0.60 ug/l

RT: 4.73 min Scan# 679

Delta R.T. -0.15 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

TPIAS

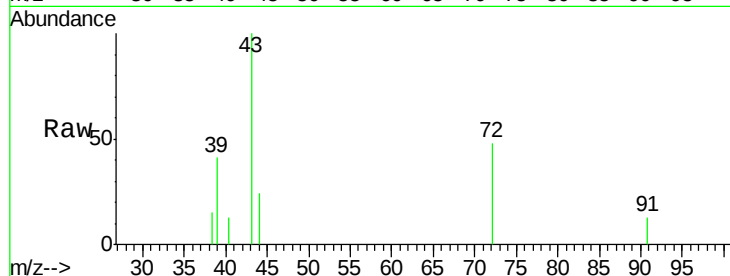
Tgt Ion: 43 Resp: 1432

Ion Ratio Lower Upper

43 100

61 0.0 11.1 16.7#

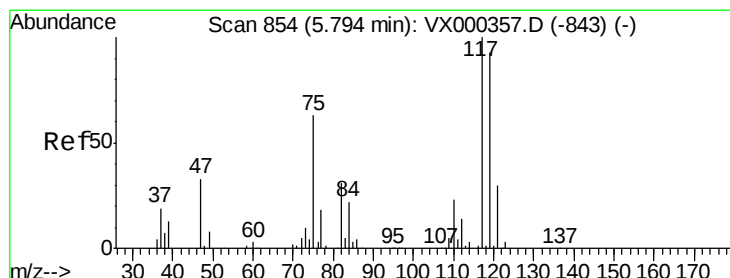
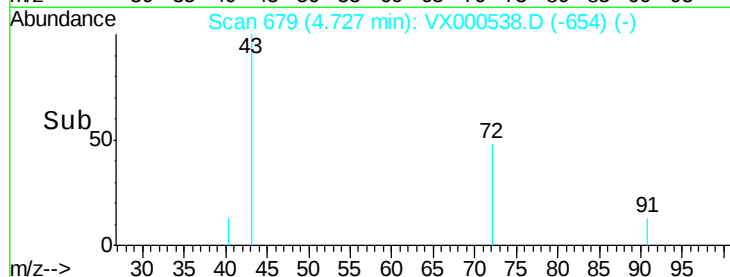
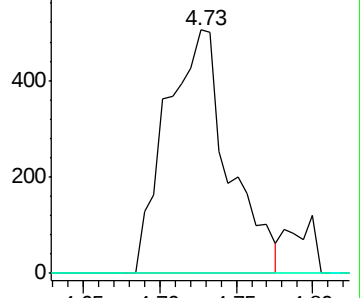
70 0.0 7.7 11.5#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 70.00 (69.70 to 70.70): VX0



#38

Carbon Tetrachloride

Concen: 5.53 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.13 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

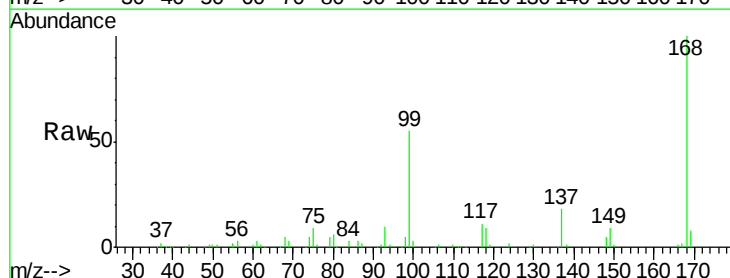
Tgt Ion: 117 Resp: 10144

Ion Ratio Lower Upper

117 100

119 6.0 77.4 116.2#

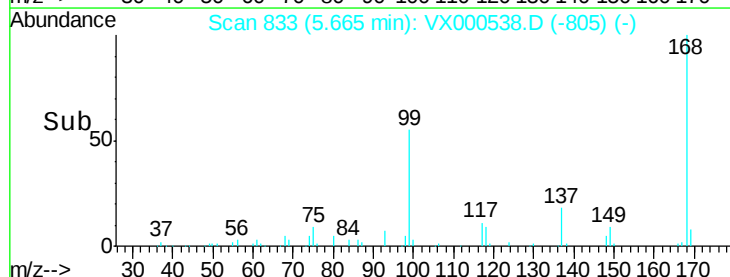
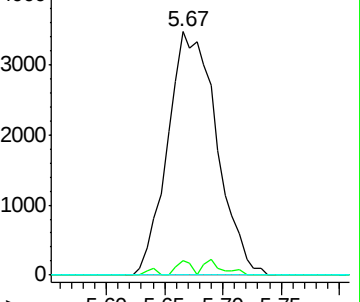
121 0.0 24.8 37.2#

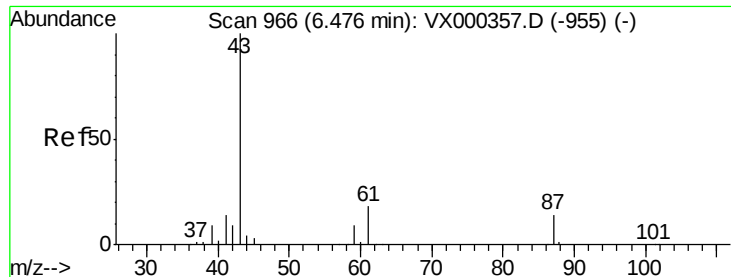


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.44 ug/l

RT: 6.48 min Scan# 966

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

TPIAS

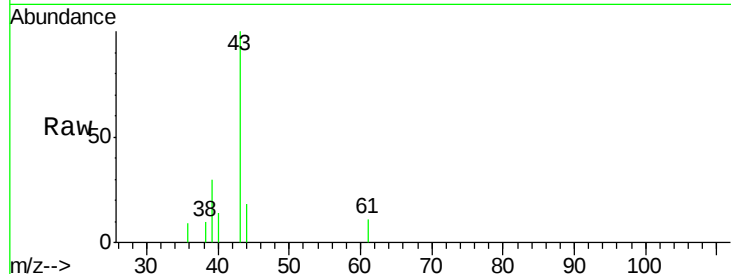
Tgt Ion: 43 Resp: 1558

Ion Ratio Lower Upper

43 100

61 6.6 14.4 21.6#

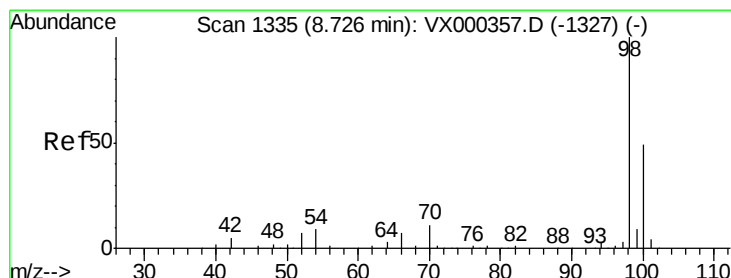
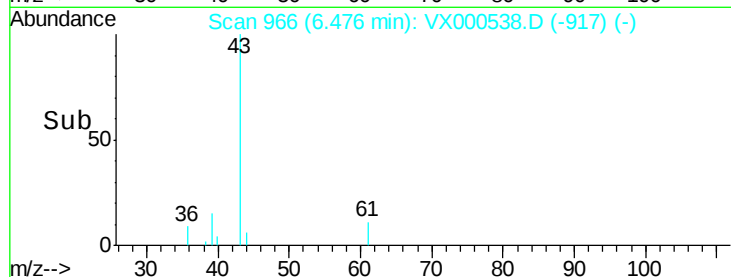
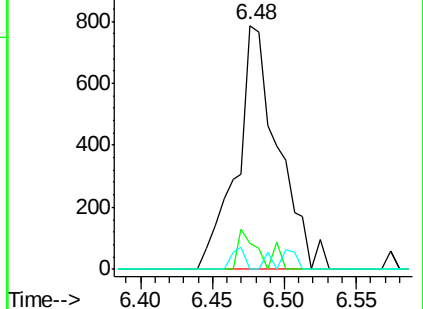
87 3.0 11.0 16.4#



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: 49.37 ug/l

RT: 8.73 min Scan# 1335

Delta R.T. -0.00 min

Lab File: VX000538.D

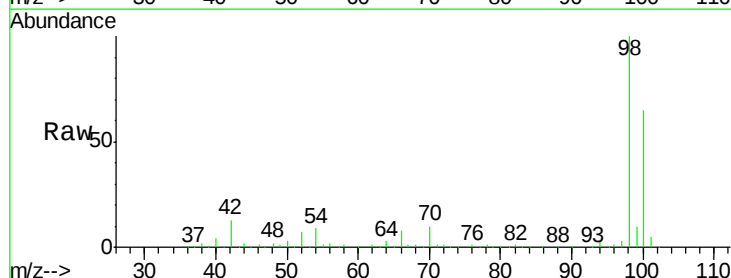
Acq: 30 Mar 2018 03:02

Tgt Ion: 98 Resp: 240628

Ion Ratio Lower Upper

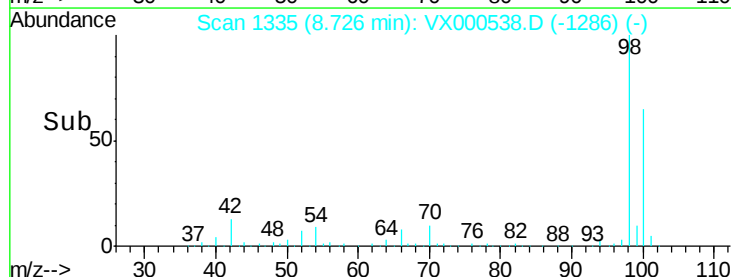
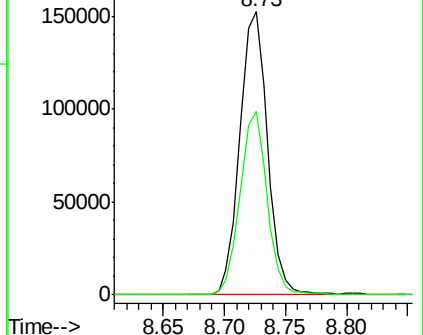
98 100

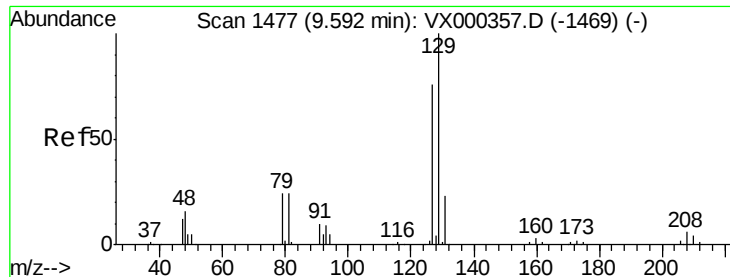
100 63.4 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#60

Dibromochloromethane

Concen: 4.13 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

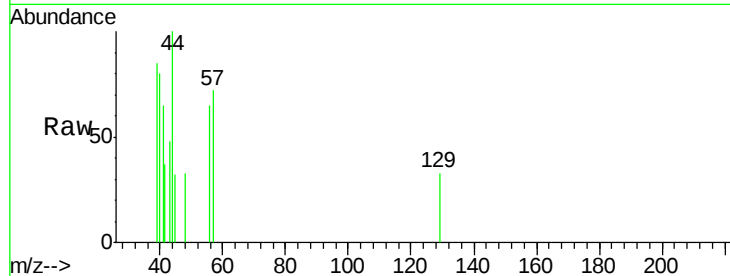
TPIAS

Tgt Ion:129 Resp: 19

Ion Ratio Lower Upper

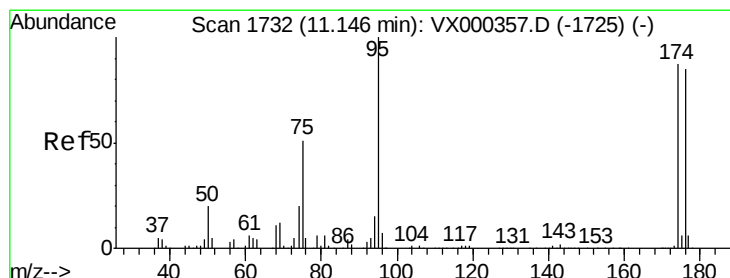
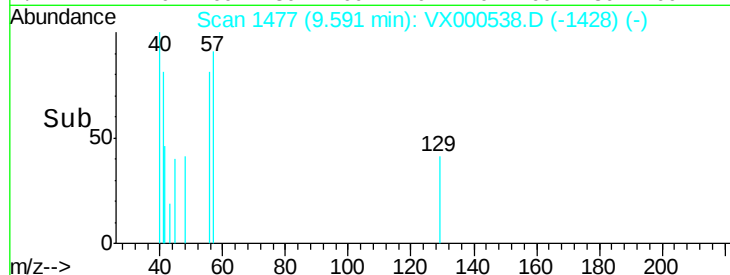
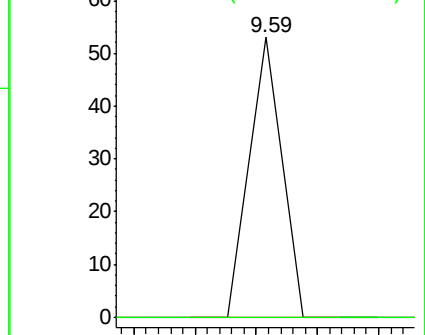
129 100

127 0.0 37.9 113.6#



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 42.32 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

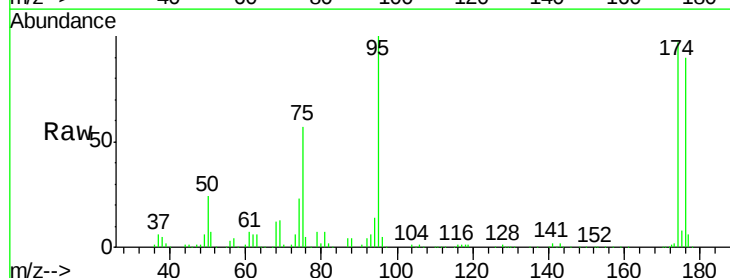
Tgt Ion: 95 Resp: 84935

Ion Ratio Lower Upper

95 100

174 92.3 0.0 173.6

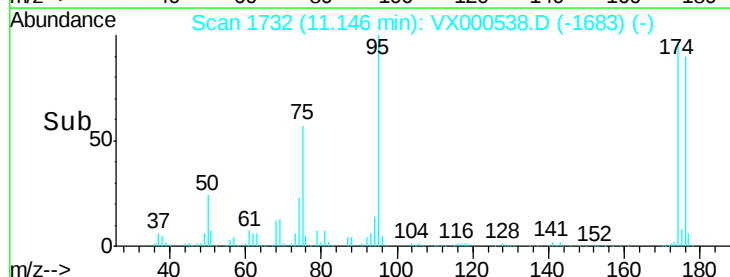
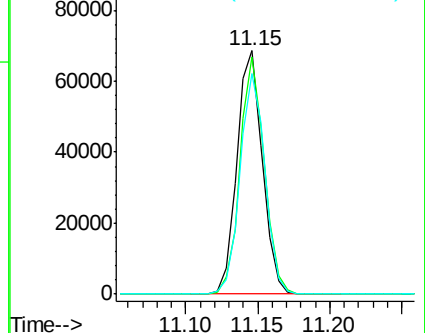
176 88.1 0.0 164.6

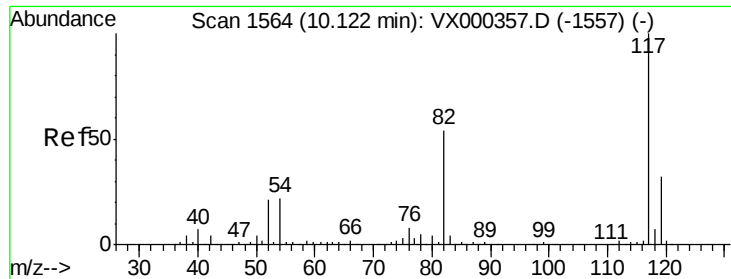


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

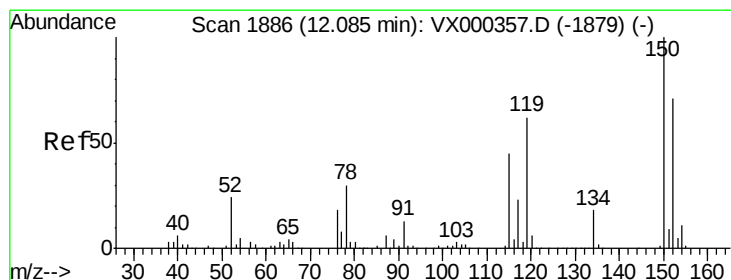
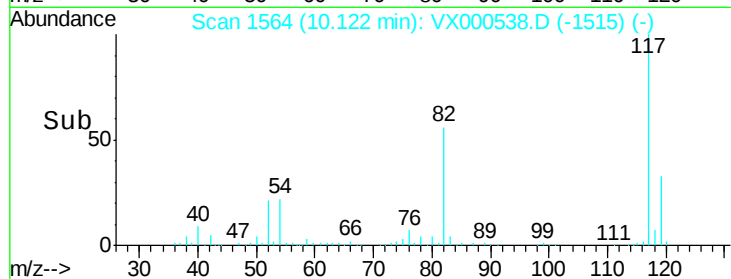
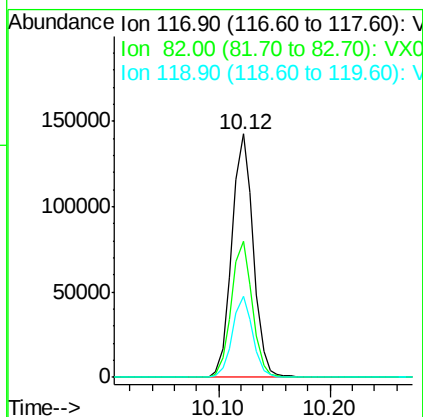
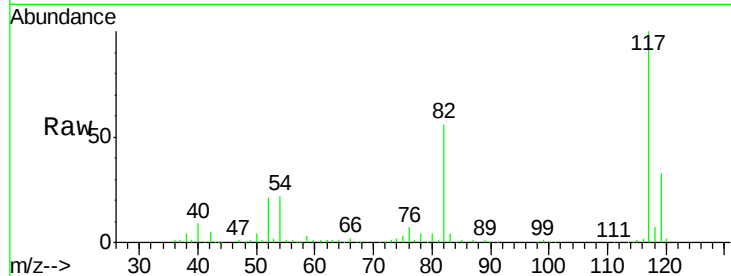




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000538.D
Acq: 30 Mar 2018 03:02

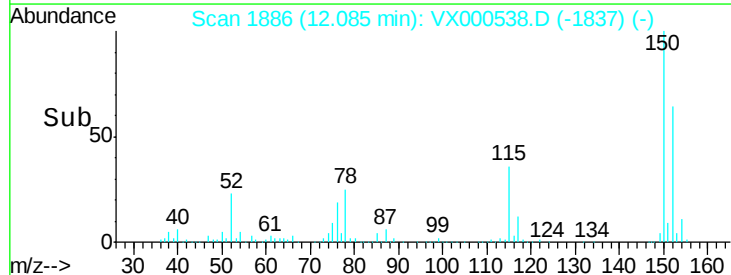
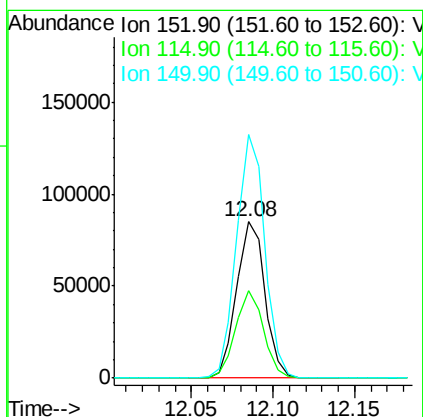
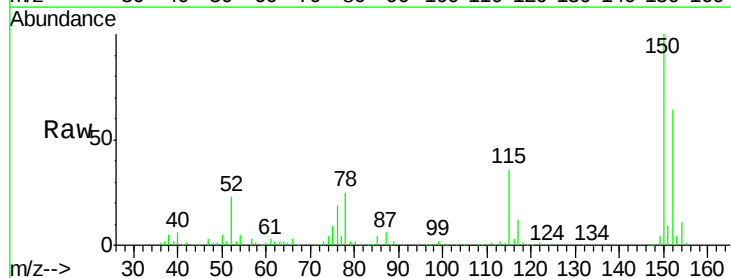
Instrument :
MSVOA_X
ClientSampleId :
TPIAS

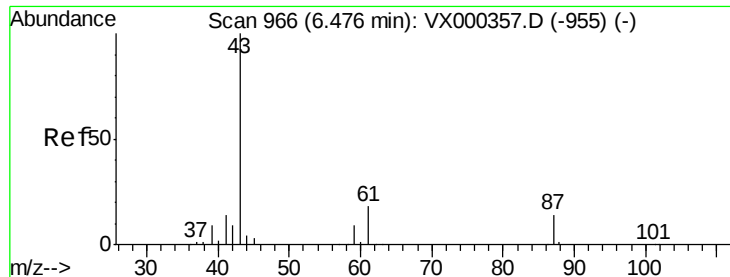
Tgt Ion:117 Resp: 190199
Ion Ratio Lower Upper
117 100
82 56.1 43.8 65.8
119 33.2 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX000538.D
Acq: 30 Mar 2018 03:02

Tgt Ion:152 Resp: 102698
Ion Ratio Lower Upper
152 100
115 55.1 39.8 119.3
150 156.3 0.0 344.4





#74

N-amyI acetate

Concen: Below Cal

RT: 6.48 min Scan# 966

Delta R.T. 0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

TPIAS

Tgt Ion: 43 Resp: 1558

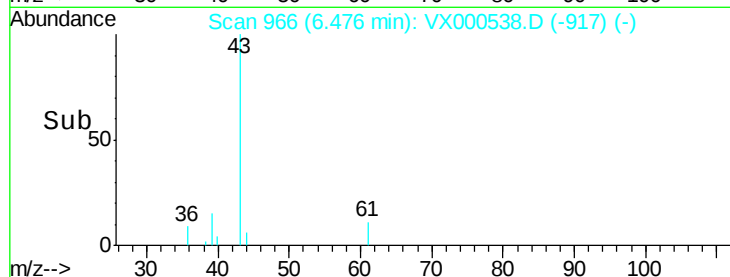
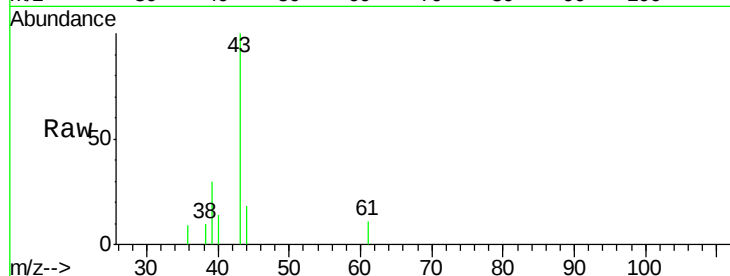
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 6.6 14.4 21.6#

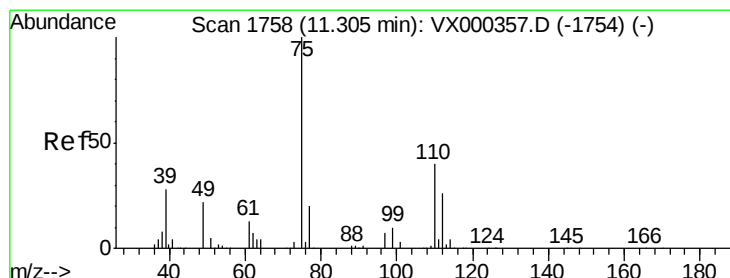
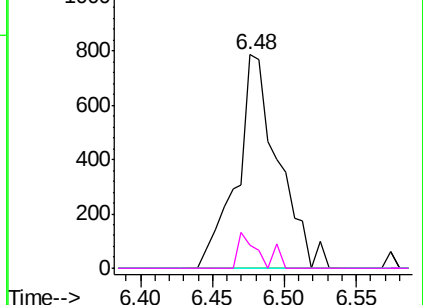


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.17 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000538.D

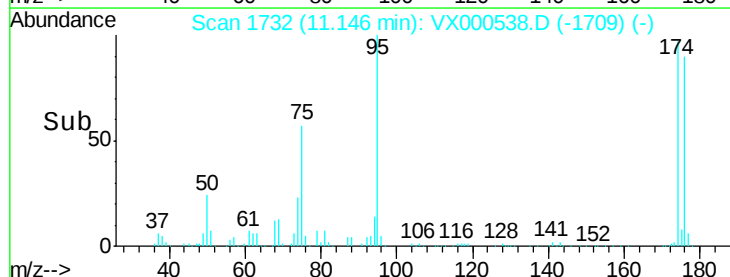
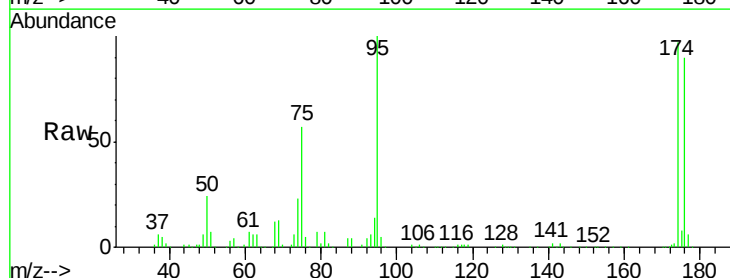
Acq: 30 Mar 2018 03:02

Tgt Ion: 75 Resp: 48934

Ion Ratio Lower Upper

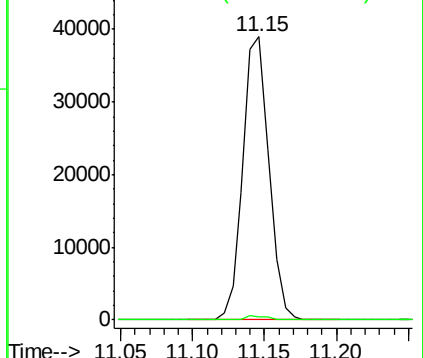
75 100

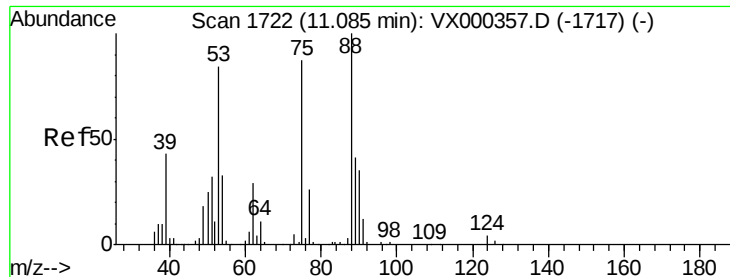
77 1.1 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 71.78 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampled :

TPIAS

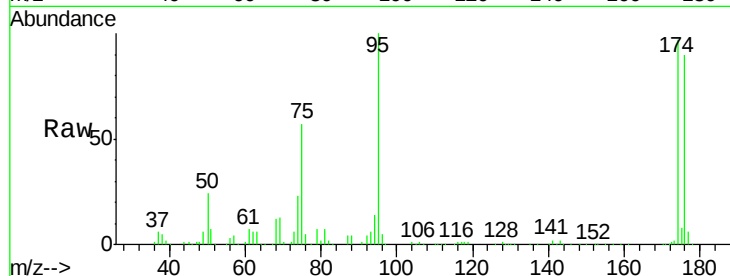
Tgt Ion: 75 Resp: 48934

Ion Ratio Lower Upper

75 100

53 0.0 80.7 121.1#

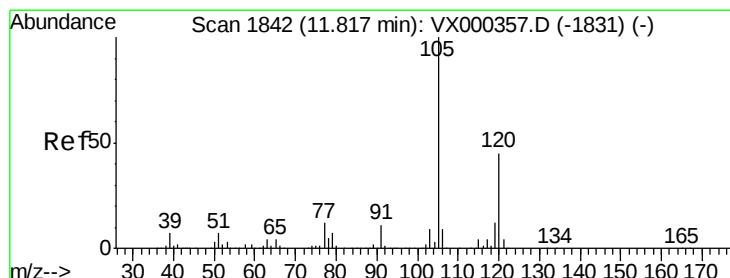
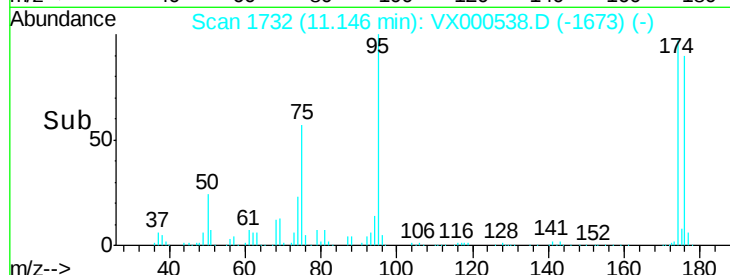
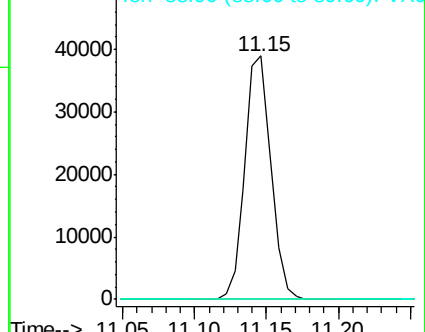
89 0.0 39.4 59.0#



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



#84

1,2,4-Trimethylbenzene

Concen: 0.36 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. -0.00 min

Lab File: VX000538.D

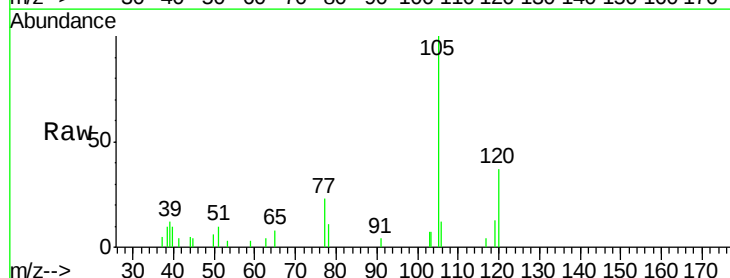
Acq: 30 Mar 2018 03:02

Tgt Ion:105 Resp: 2174

Ion Ratio Lower Upper

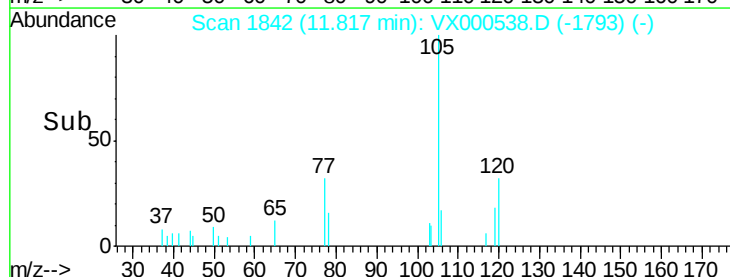
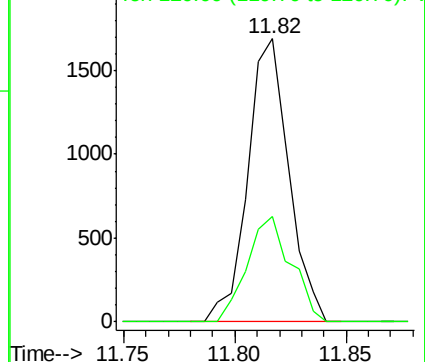
105 100

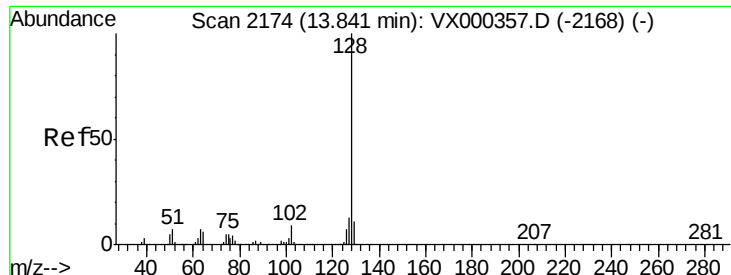
120 39.7 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#95

Naphthalene

Concen: 8.35 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX000538.D

Acq: 30 Mar 2018 03:02

Instrument :

MSVOA_X

ClientSampleId :

TPIAS

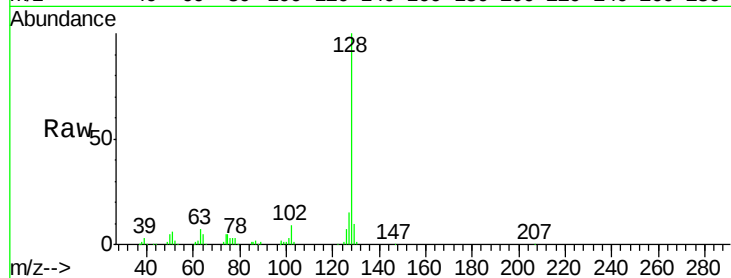
Tgt Ion:128 Resp: 70046

Ion Ratio Lower Upper

128 100

127 13.7 10.6 15.8

129 10.9 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

