

Data File : VX000537.D

Acq On : 30 Mar 2018 02:37

Operator : JC/MD

Sample : J2117-04 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TPIAD

Quant Time: Mar 30 07:03:20 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	107499	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	194905	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	193667	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	103583	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	75800	54.02	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.04%	
35) Dibromofluoromethane	5.51	113	60749	49.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.94%	
50) Toluene-d8	8.73	98	248760	48.91	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.82%	
62) 4-Bromofluorobenzene	11.15	95	86553	41.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	82.94%	

Target Compounds

						Qvalue
6) Chloroethane	1.72	64	210	Below Cal	#	44
10) Methyl Iodide	2.52	142	60	4.32	ug/l #	84
13) Acrolein	2.23	56	108	15.24	ug/l #	40
16) Acetone	2.45	43	7551	6.47	ug/l	90
17) Carbon Disulfide	2.58	76	628	0.22	ug/l #	76
18) Methyl Acetate	2.79	43	513	0.21	ug/l #	51
20) Methylene Chloride	2.87	84	1181	0.88	ug/l #	85
25) 2-Butanone	4.72	43	1322	1.01	ug/l #	80
31) Cyclohexane	5.68	56	2696	1.52	ug/l #	53
36) 1,1-Dichloropropene	5.67	75	8223	4.50	ug/l #	49
38) Carbon Tetrachloride	5.68	117	10053	5.25	ug/l #	13
43) Isopropyl Acetate	6.49	43	1317	0.35	ug/l #	91
60) Dibromochloromethane	9.59	129	26	4.13	ug/l #	12
67) Ethyl Benzene	10.26	91	2583	0.35	ug/l	96
68) m/p-Xylenes	10.37	106	2507	0.87	ug/l	96
69) o-Xylene	10.71	106	987	0.35	ug/l	97
74) N-amyl acetate	6.49	43	1317	Below Cal	#	95
76) 1,2,3-Trichloropropane	11.15	75	50043	22.48	ug/l #	35
78) n-propylbenzene	11.37	91	2082	0.25	ug/l	88
79) 2-Chlorotoluene	11.44	91	1094	0.23	ug/l #	43
80) 1,3,5-Trimethylbenzene	11.51	105	2481	0.43	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.15	75	50043	72.78	ug/l #	9
84) 1,2,4-Trimethylbenzene	11.82	105	9280	1.53	ug/l	99
89) n-Butylbenzene	12.39	91	1224	0.21	ug/l #	60
95) Naphthalene	13.84	128	7575	0.90	ug/l #	94

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

Data File : VX000537.D

Acq On : 30 Mar 2018 02:37

Operator : JC/MD

Sample : J2117-04 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 35 Sample Multiplier: 1

Instrument :

MSVOA_X

ClientSampleId :

TPIAD

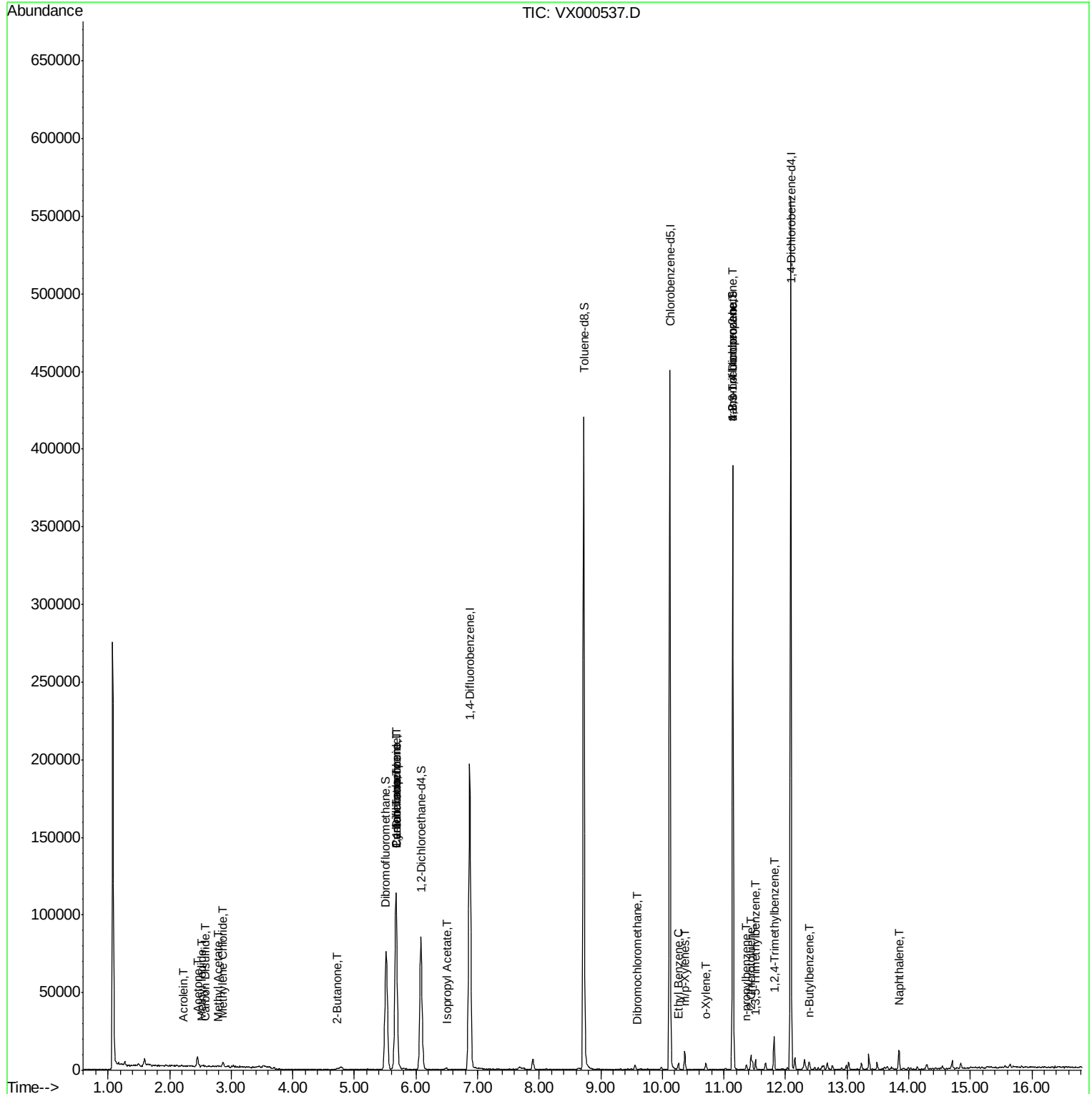
Quant Time: Mar 30 07:03:20 2018

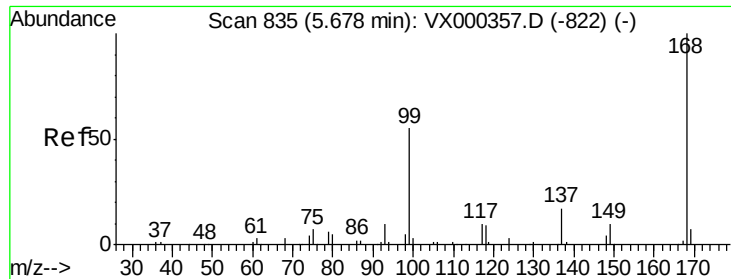
Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X032018W.M

Quant Title : SW846 8260

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

Response via : Initial Calibration

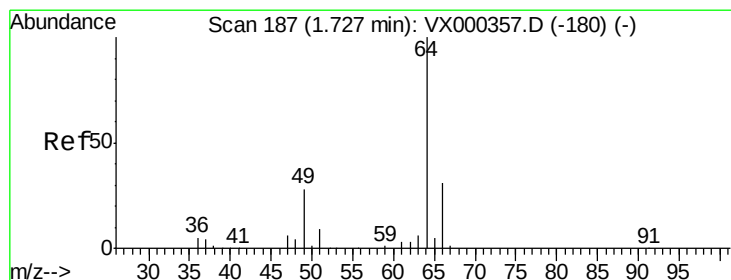
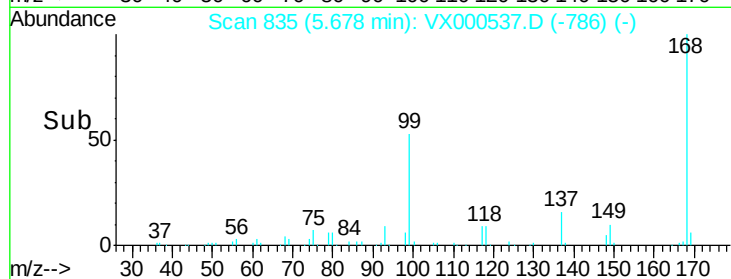
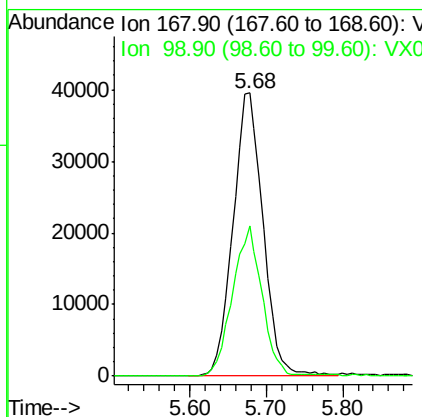
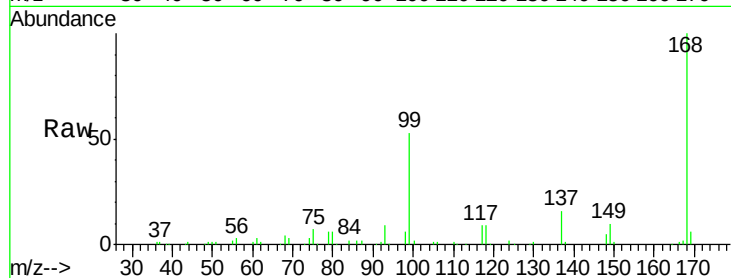




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 5.68 min Scan# 835
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

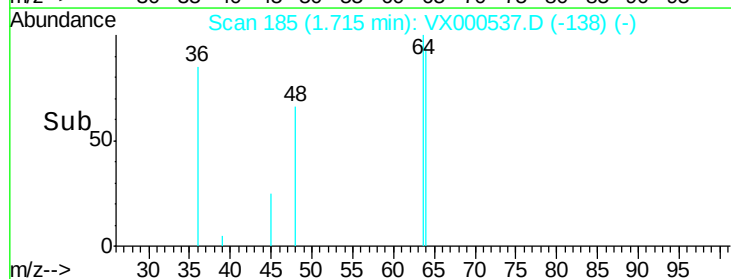
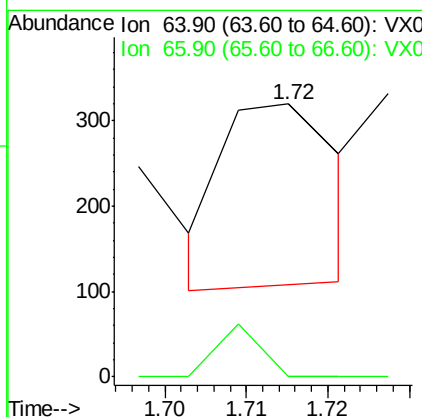
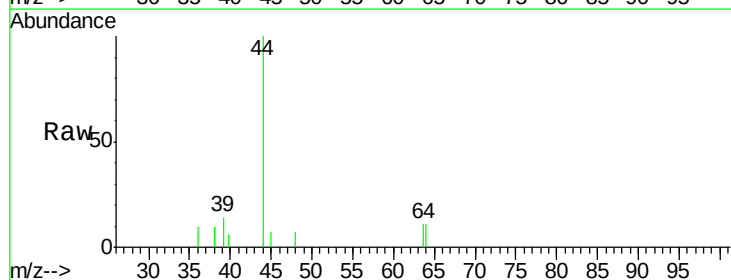
Instrument :
MSVOA_X
ClientSampleId :
TPIAD

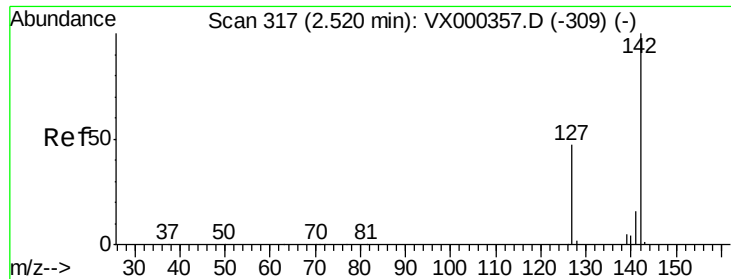
Tgt Ion:168 Resp: 107499
Ion Ratio Lower Upper
168 100
99 53.0 45.8 68.6



#6
Chloroethane
Concen: Below Cal
RT: 1.72 min Scan# 185
Delta R.T. -0.01 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion: 64 Resp: 210
Ion Ratio Lower Upper
64 100
66 0.0 24.8 37.2#

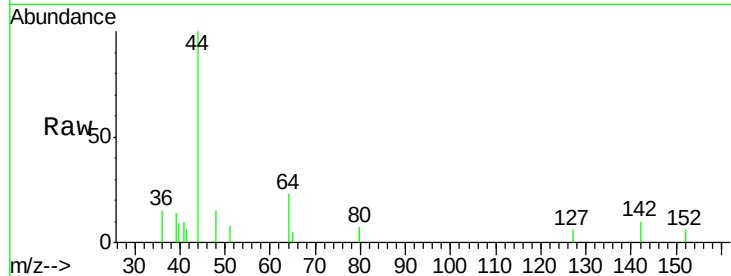




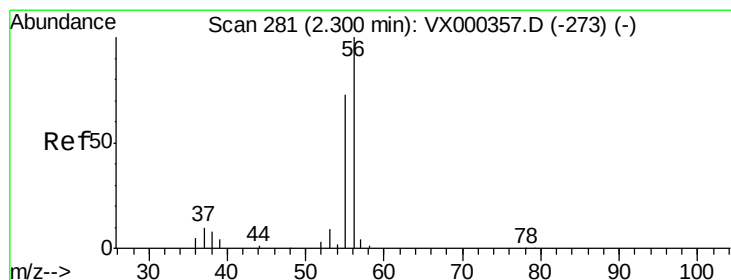
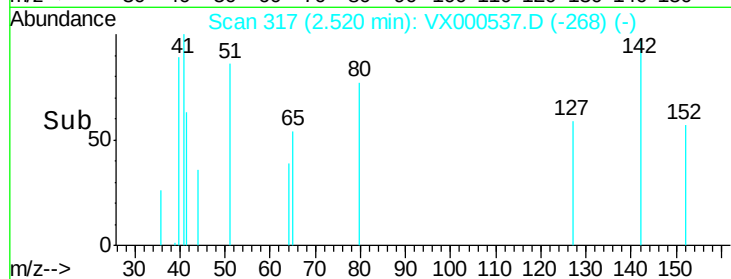
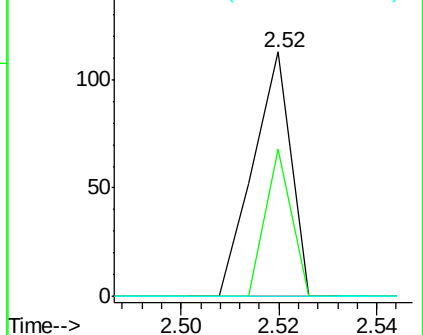
#10
Methyl Iodide
Concen: 4.32 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
TPIAD

Tgt Ion: 142 Resp: 60
Ion Ratio Lower Upper
142 100
127 41.7 39.2 58.8
141 0.0 11.7 17.5#

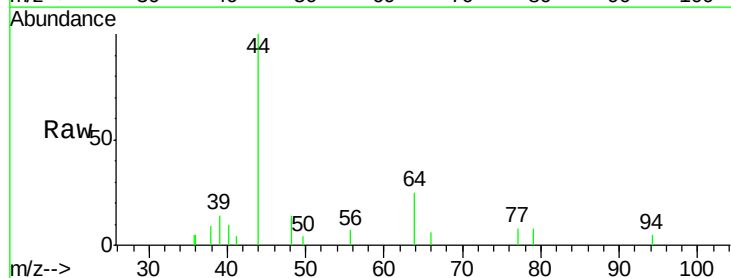


Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V

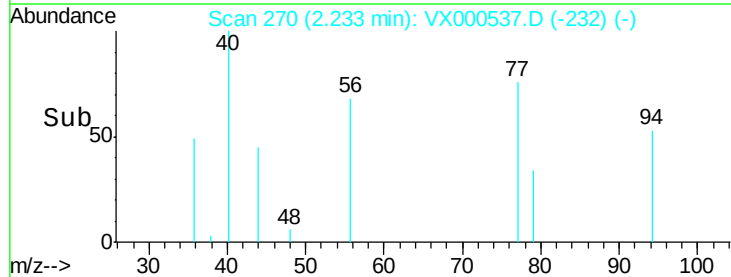
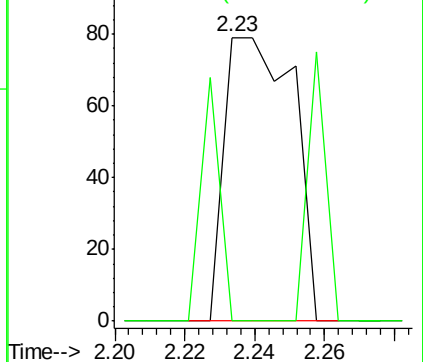


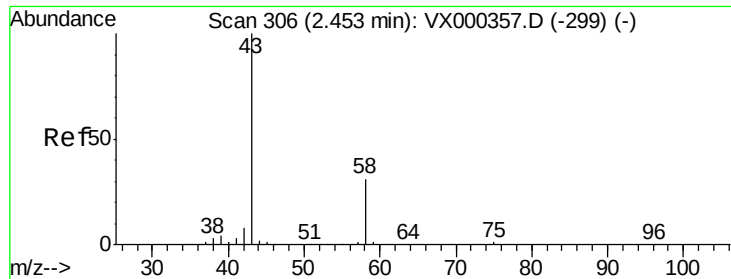
#13
Acrolein
Concen: 15.24 ug/l
RT: 2.23 min Scan# 270
Delta R.T. -0.07 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion: 56 Resp: 108
Ion Ratio Lower Upper
56 100
55 23.1 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: 6.47 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

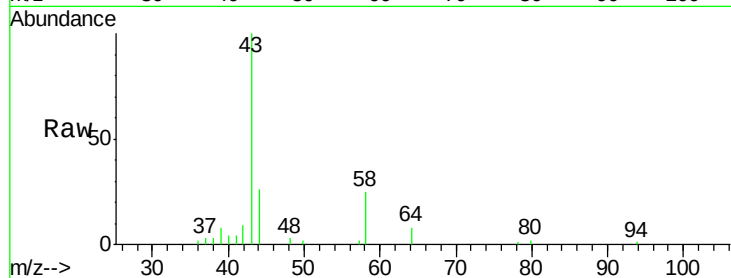
TPIAD

Tgt Ion: 43 Resp: 7551

Ion Ratio Lower Upper

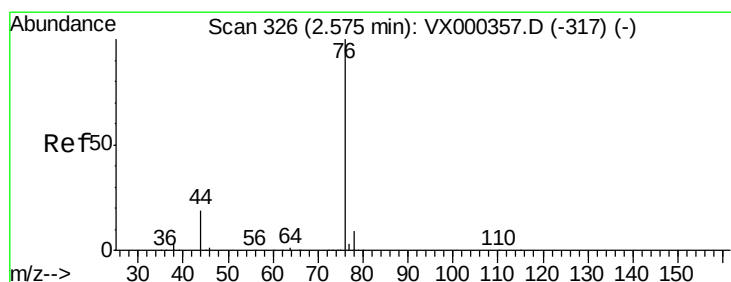
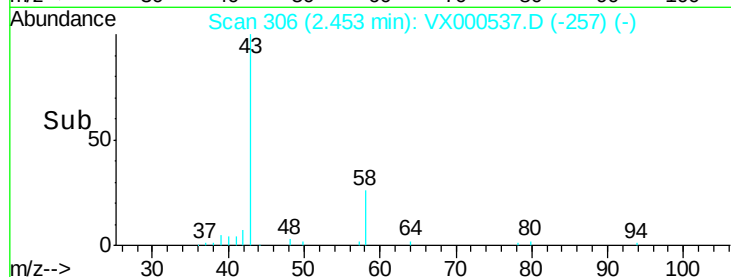
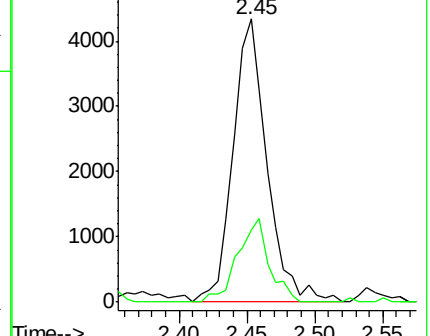
43 100

58 25.3 24.7 37.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.22 ug/l

RT: 2.58 min Scan# 327

Delta R.T. 0.01 min

Lab File: VX000537.D

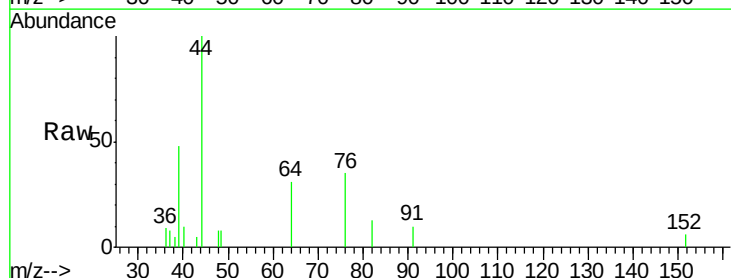
Acq: 30 Mar 2018 02:37

Tgt Ion: 76 Resp: 628

Ion Ratio Lower Upper

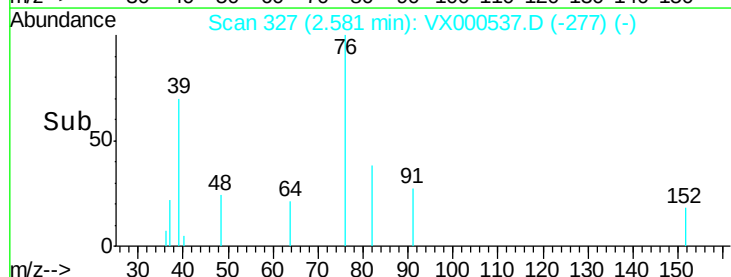
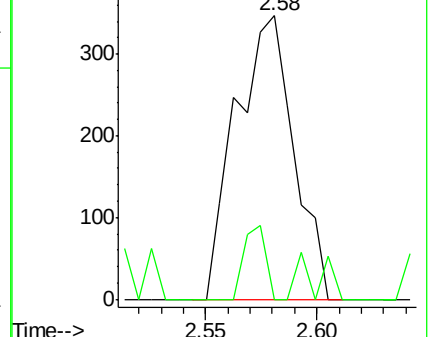
76 100

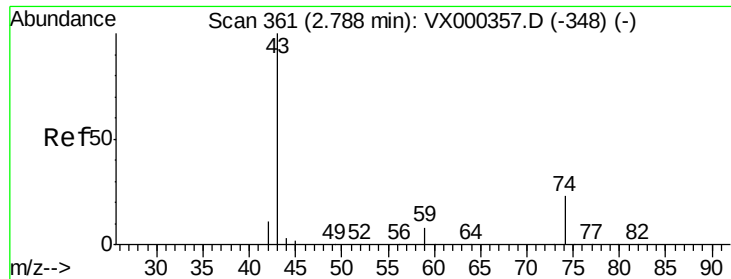
78 0.0 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

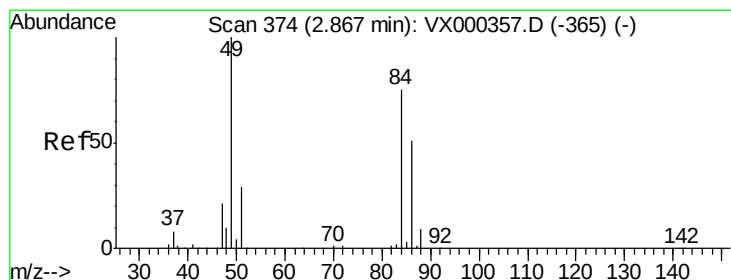
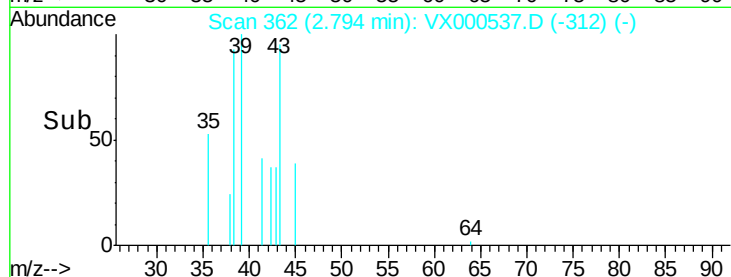
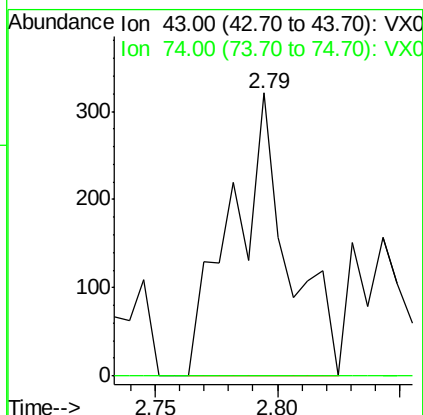
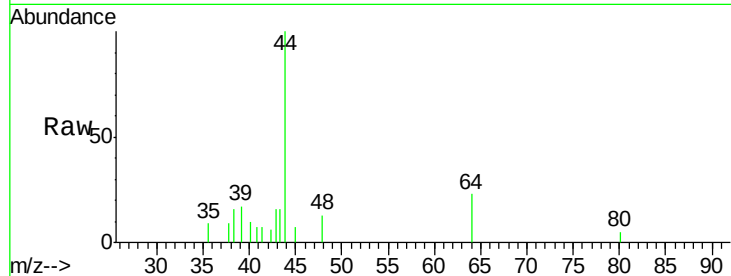




#18
Methyl Acetate
Concen: 0.21 ug/l
RT: 2.79 min Scan# 362
Delta R.T. 0.01 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

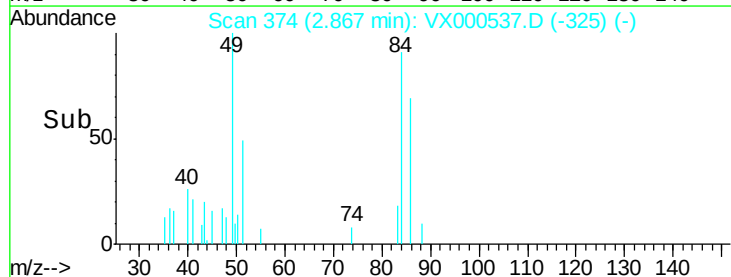
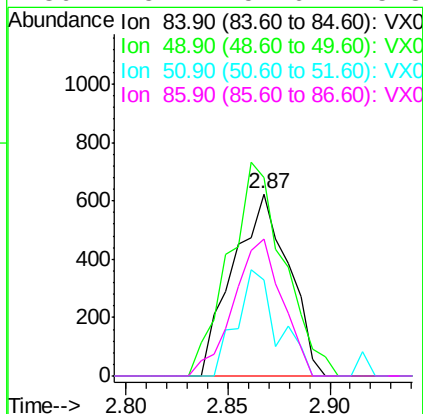
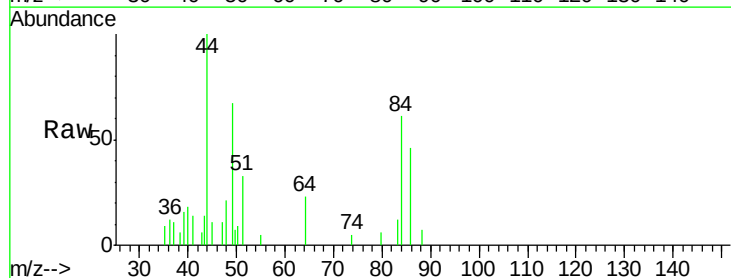
Instrument :
MSVOA_X
ClientSampleId :
TPIAD

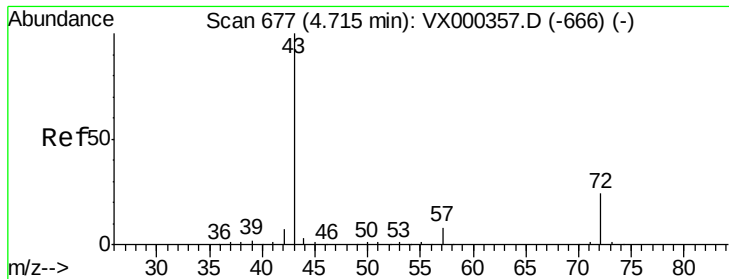
Tgt Ion: 43 Resp: 513
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#20
Methylene Chloride
Concen: 0.88 ug/l
RT: 2.87 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion: 84 Resp: 1181
Ion Ratio Lower Upper
84 100
49 109.3 100.6 151.0
51 53.1 31.6 47.4#
86 75.1 52.6 78.8





#25

2-Butanone

Concen: 1.01 ug/l

RT: 4.72 min Scan# 678

Delta R.T. 0.01 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

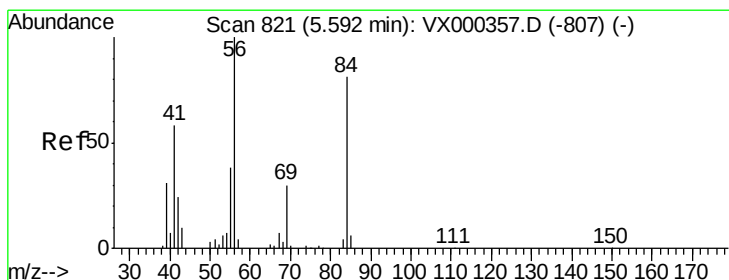
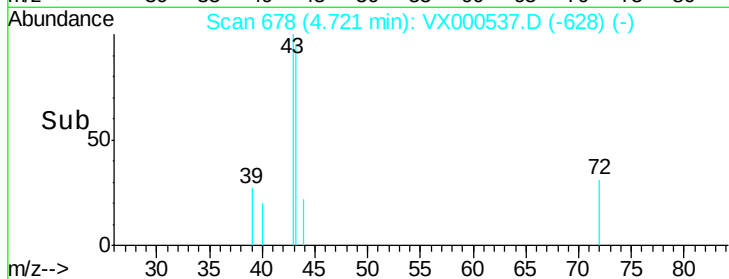
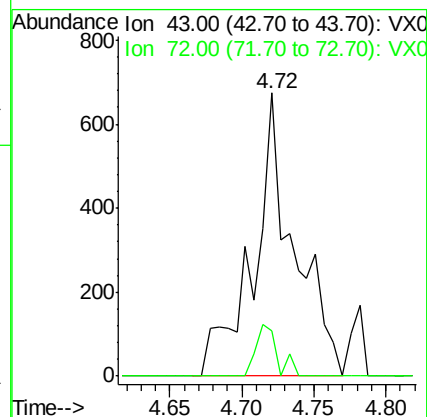
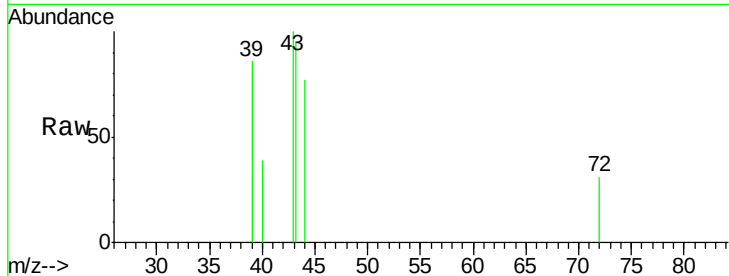
TPIAD

Tgt Ion: 43 Resp: 1322

Ion Ratio Lower Upper

43 100

72 16.0 21.0 31.6#



#31

Cyclohexane

Concen: 1.52 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

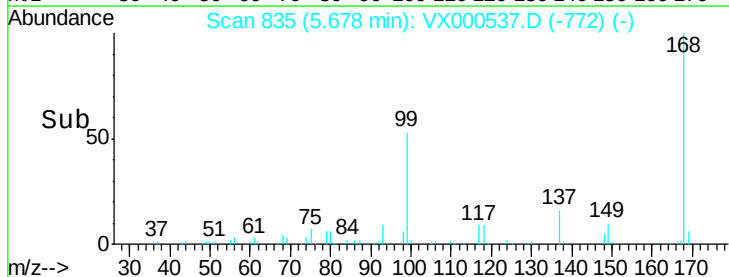
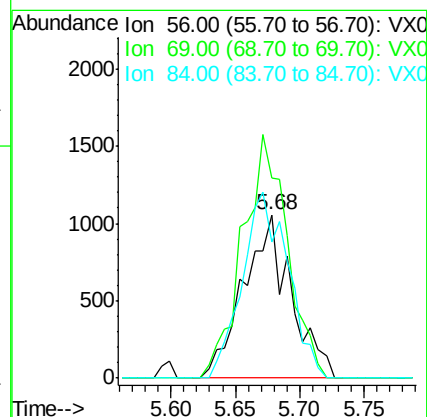
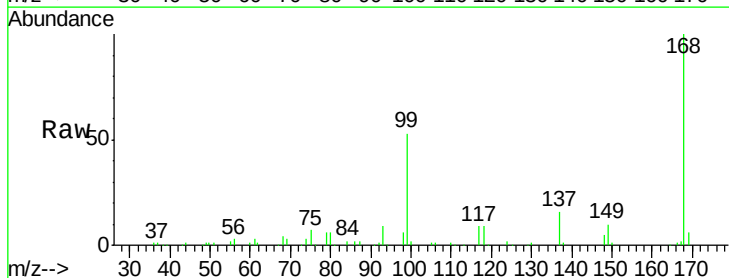
Tgt Ion: 56 Resp: 2696

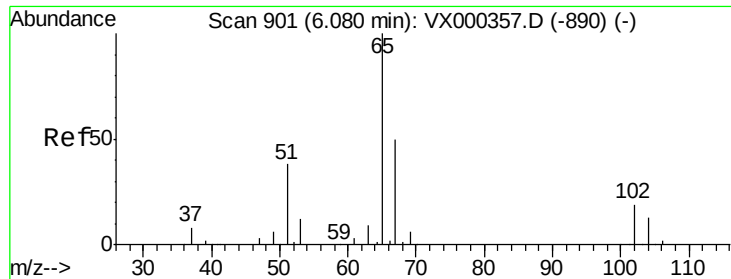
Ion Ratio Lower Upper

56 100

69 122.4 23.4 35.0#

84 83.5 71.0 106.4





#33

1,2-Dichloroethane-d4

Concen: 54.02 ug/l

RT: 6.08 min Scan# 901

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

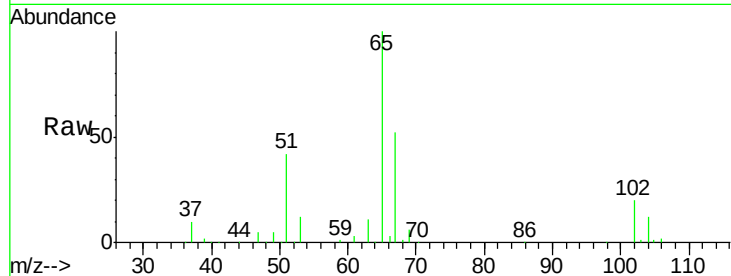
TPIAD

Tgt Ion: 65 Resp: 75800

Ion Ratio Lower Upper

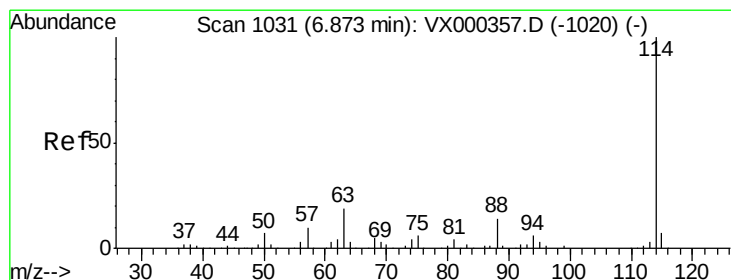
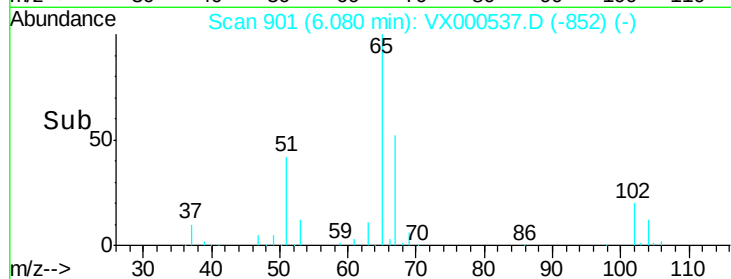
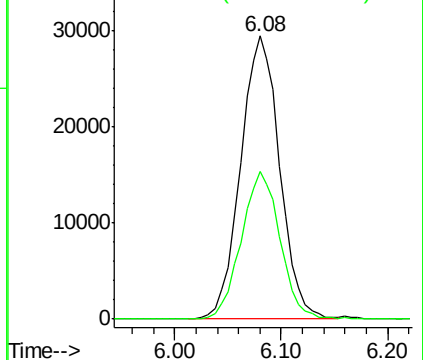
65 100

67 51.9 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: VX000537.D

Acq: 30 Mar 2018 02:37

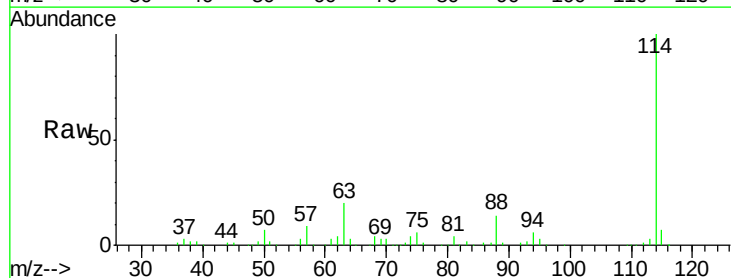
Tgt Ion: 114 Resp: 194905

Ion Ratio Lower Upper

114 100

63 20.0 0.0 38.4

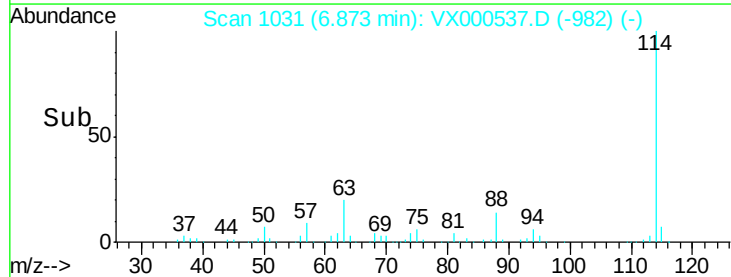
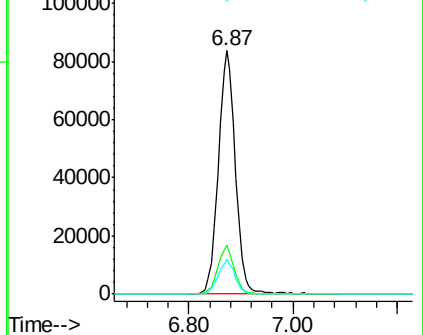
88 14.1 0.0 27.0

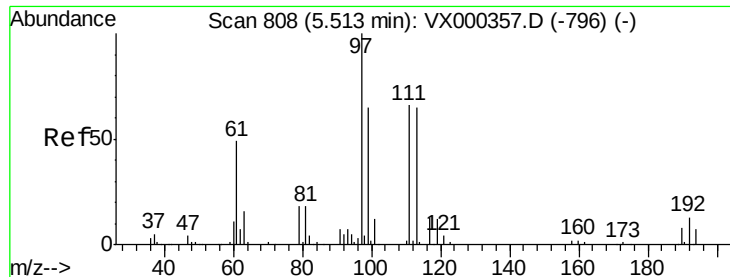


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

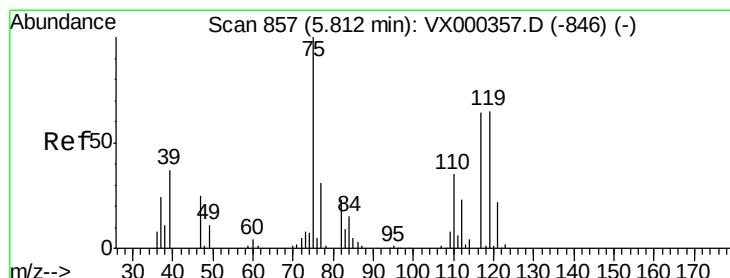
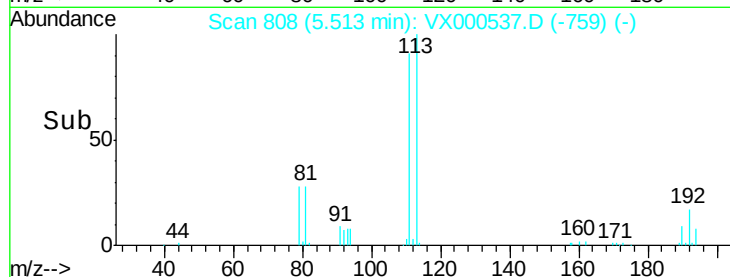
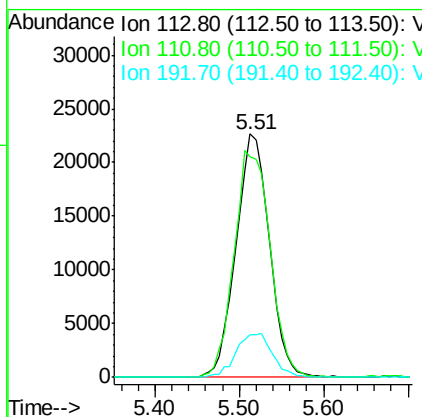
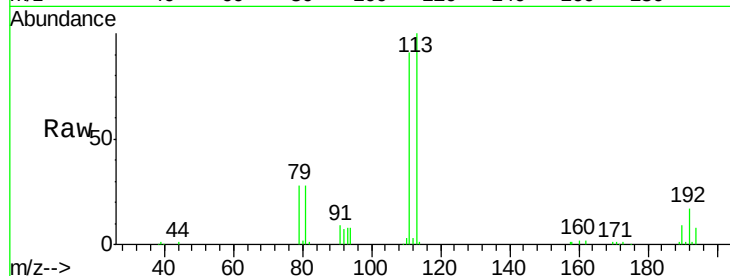




#35
 Dibromofluoromethane
 Concen: 49.47 ug/l
 RT: 5.51 min Scan# 808
 Delta R.T. 0.00 min
 Lab File: VX000537.D
 Acq: 30 Mar 2018 02:37

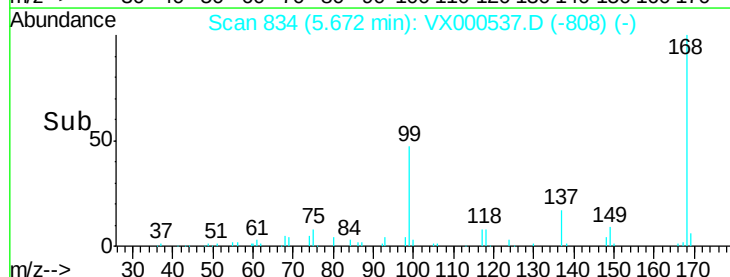
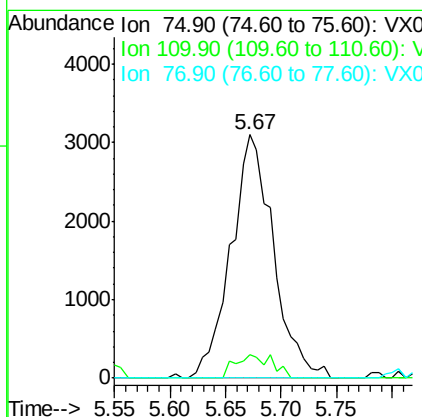
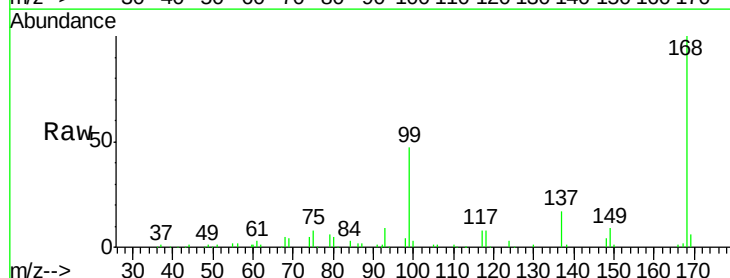
Instrument :
 MSVOA_X
 ClientSampleId :
 TPIAD

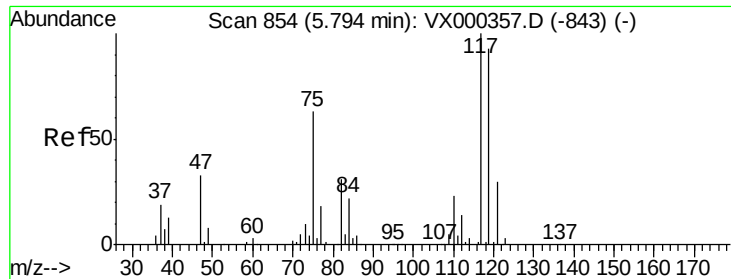
Tgt Ion:113 Resp: 60749
 Ion Ratio Lower Upper
 113 100
 111 100.8 82.4 123.6
 192 19.6 15.8 23.6



#36
 1,1-Dichloropropene
 Concen: 4.50 ug/l
 RT: 5.67 min Scan# 834
 Delta R.T. -0.14 min
 Lab File: VX000537.D
 Acq: 30 Mar 2018 02:37

Tgt Ion: 75 Resp: 8223
 Ion Ratio Lower Upper
 75 100
 110 8.4 17.9 53.7#
 77 0.0 24.0 36.0#





#38

Carbon Tetrachloride

Concen: 5.25 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

TPIAD

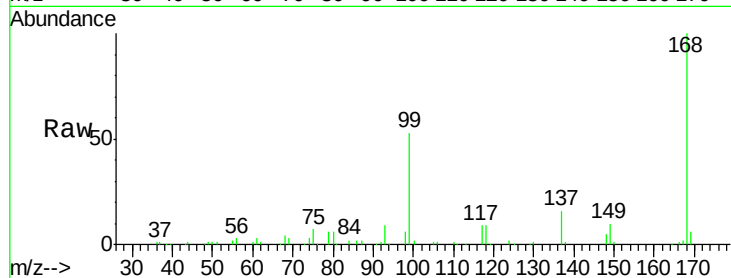
Tgt Ion:117 Resp: 10053

Ion Ratio Lower Upper

117 100

119 2.1 77.4 116.2#

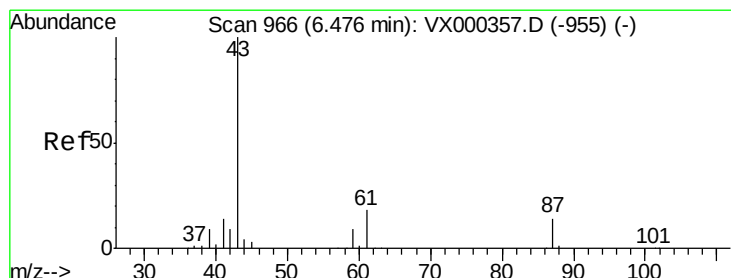
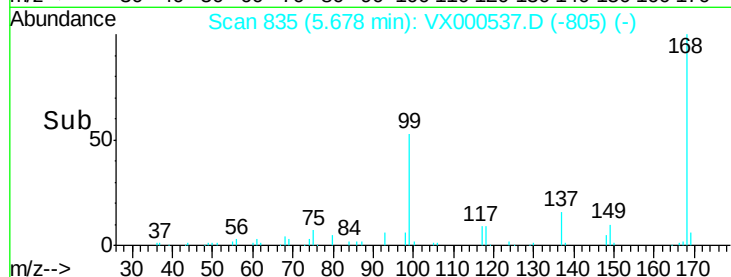
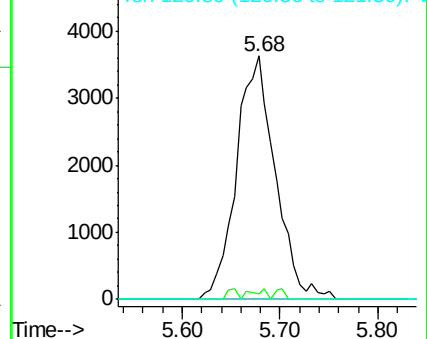
121 0.0 24.8 37.2#



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: 0.35 ug/l

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

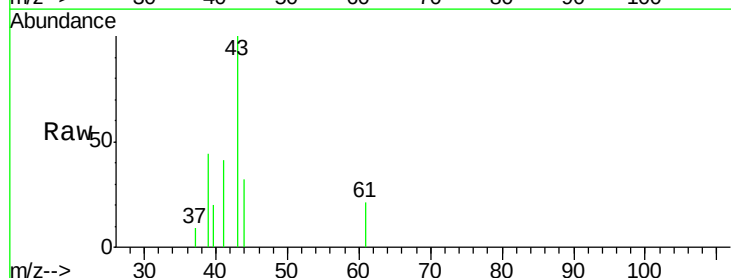
Tgt Ion: 43 Resp: 1317

Ion Ratio Lower Upper

43 100

61 20.3 14.4 21.6

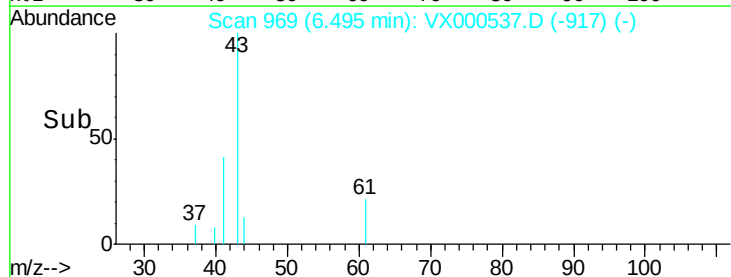
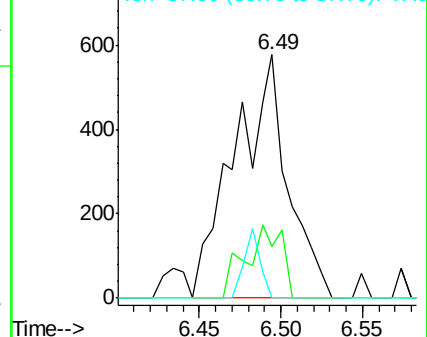
87 8.4 11.0 16.4#

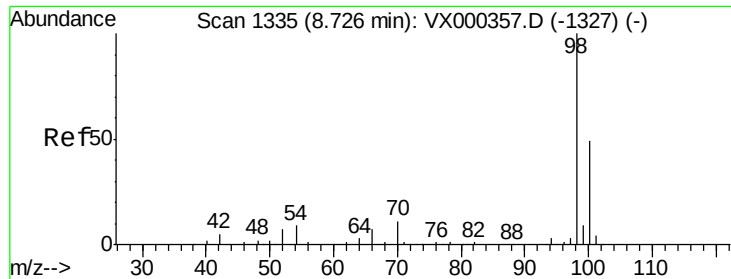


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 61.00 (60.70 to 61.70): VX0

Ion 87.00 (86.70 to 87.70): VX0

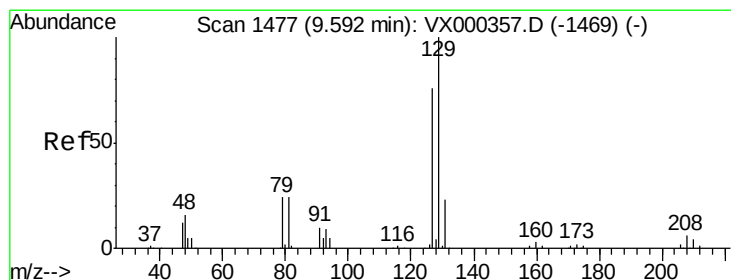
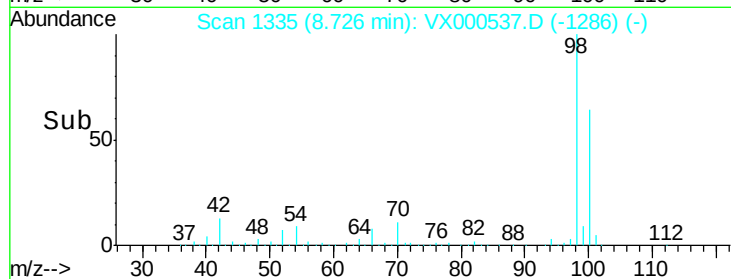
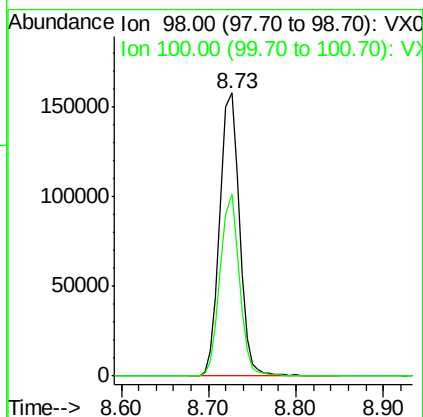
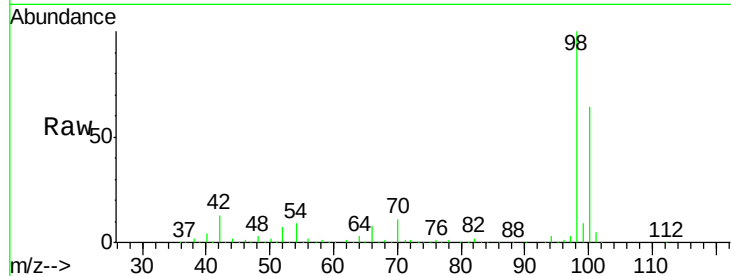




#50
Toluene-d8
Concen: 48.91 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

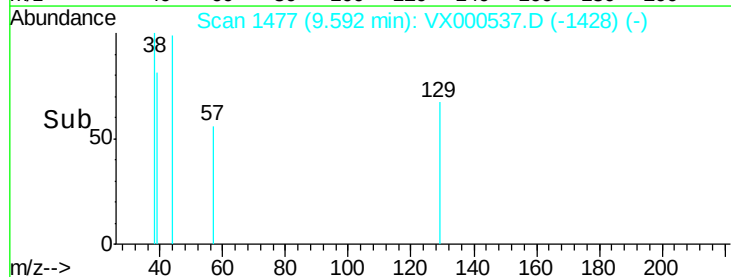
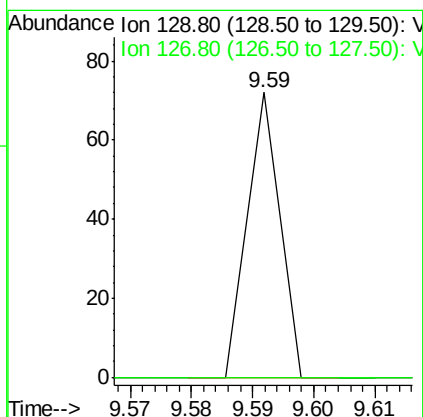
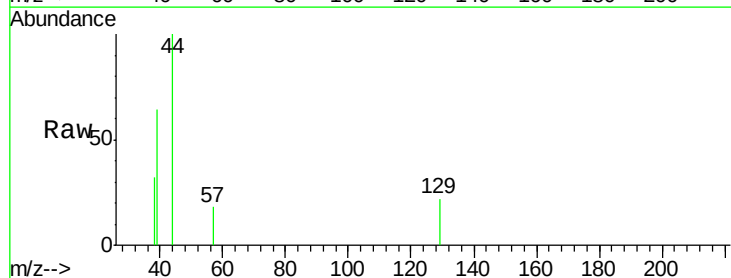
Instrument :
MSVOA_X
ClientSampleId :
TPIAD

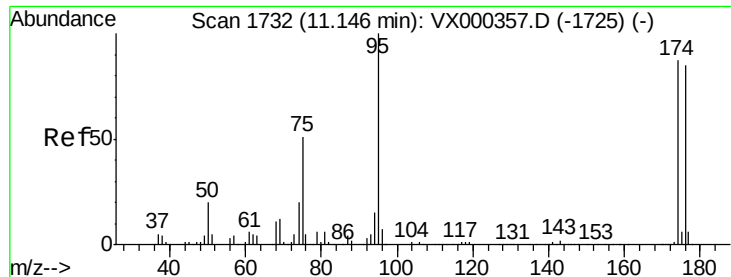
Tgt Ion: 98 Resp: 248760
Ion Ratio Lower Upper
98 100
100 62.5 51.2 76.8



#60
Dibromochloromethane
Concen: 4.13 ug/l
RT: 9.59 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion: 129 Resp: 26
Ion Ratio Lower Upper
129 100
127 0.0 37.9 113.6#





#62

4-Bromofluorobenzene

Concen: 41.47 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

TPIAD

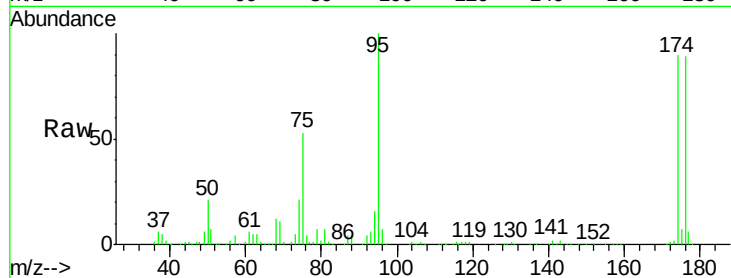
Tgt Ion: 95 Resp: 86553

Ion Ratio Lower Upper

95 100

174 91.7 0.0 173.6

176 87.5 0.0 164.6

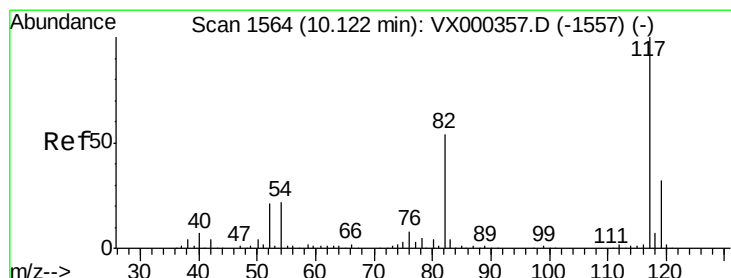
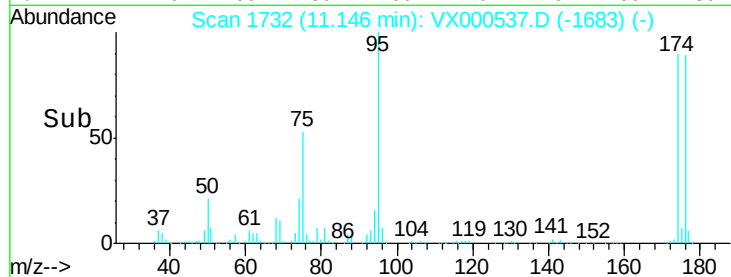


Abundance Ion 94.90 (94.60 to 95.60): VX000357.D (-1725) (-)

Ion 173.80 (173.50 to 174.50): VX000357.D (-1725) (-)

Ion 175.80 (175.50 to 176.50): VX000357.D (-1725) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.12 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

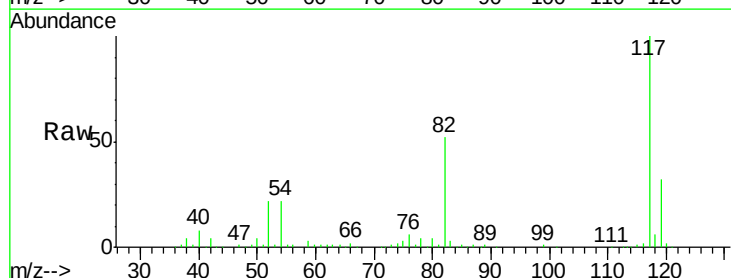
Tgt Ion: 117 Resp: 193667

Ion Ratio Lower Upper

117 100

82 51.6 43.8 65.8

119 32.0 24.9 37.3

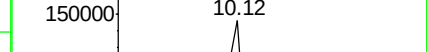
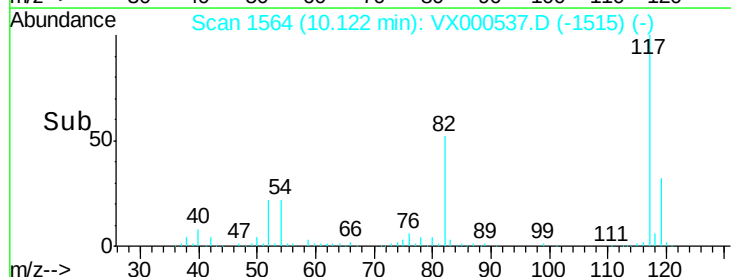


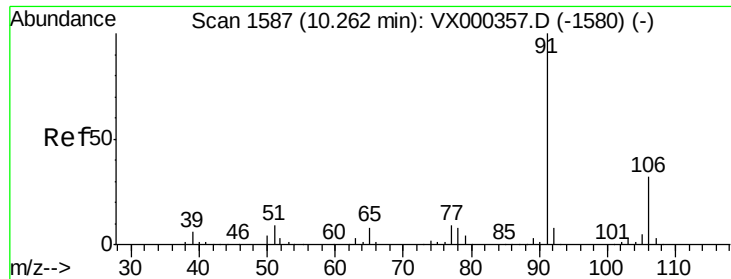
Abundance Ion 116.90 (116.60 to 117.60): VX000357.D (-1557) (-)

Ion 82.00 (81.70 to 82.70): VX000357.D (-1557) (-)

Ion 118.90 (118.60 to 119.60): VX000357.D (-1557) (-)

Time-->

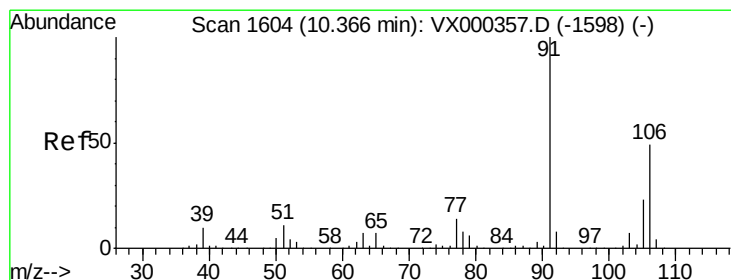
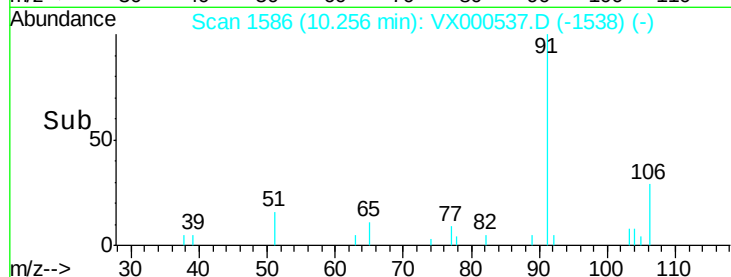
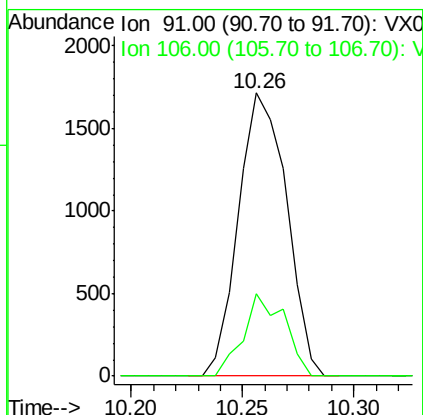
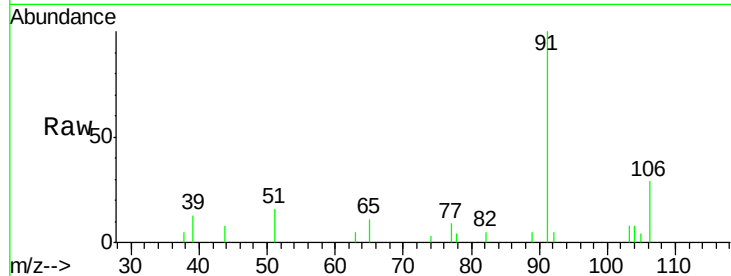




#67
Ethyl Benzene
Concen: 0.35 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.01 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

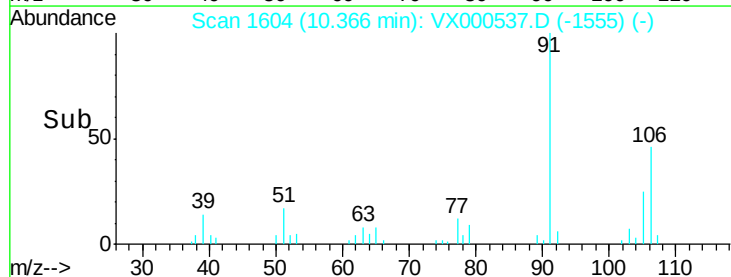
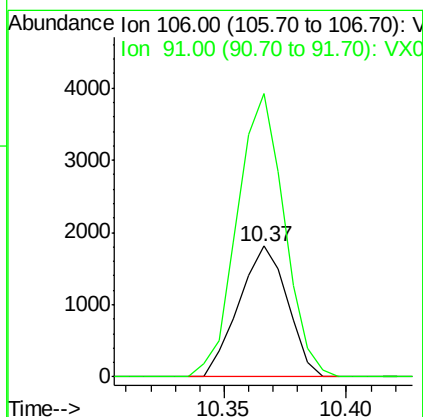
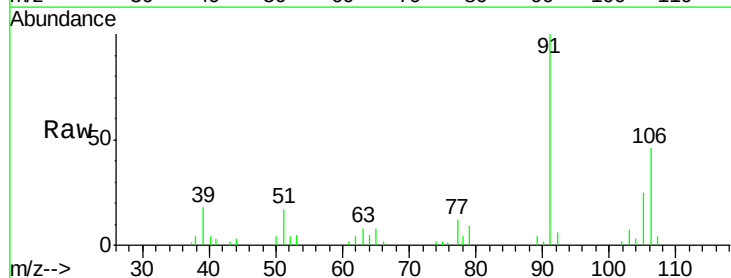
Instrument :
MSVOA_X
ClientSampleId :
TPIAD

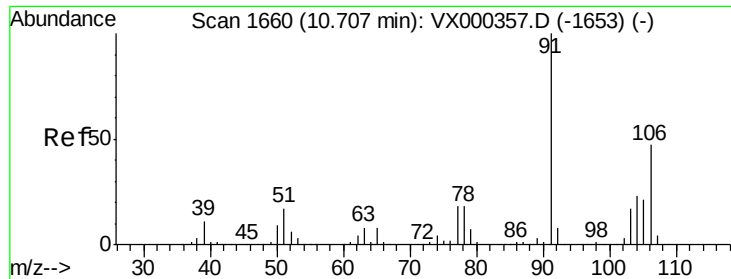
Tgt Ion: 91 Resp: 2583
Ion Ratio Lower Upper
91 100
106 29.2 25.0 37.6



#68
m/p-Xylenes
Concen: 0.87 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion: 106 Resp: 2507
Ion Ratio Lower Upper
106 100
91 210.7 163.4 245.2

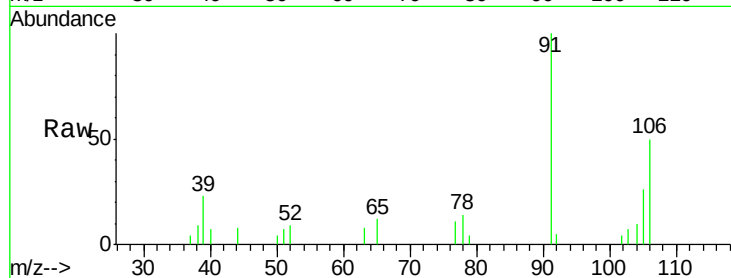




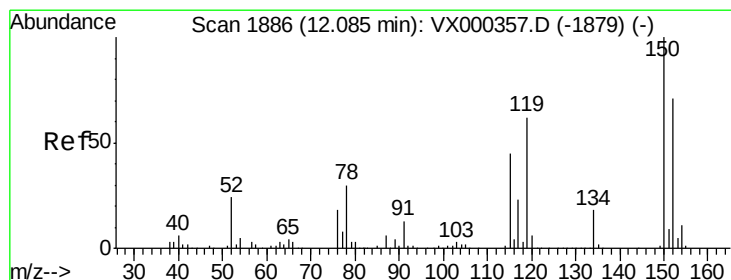
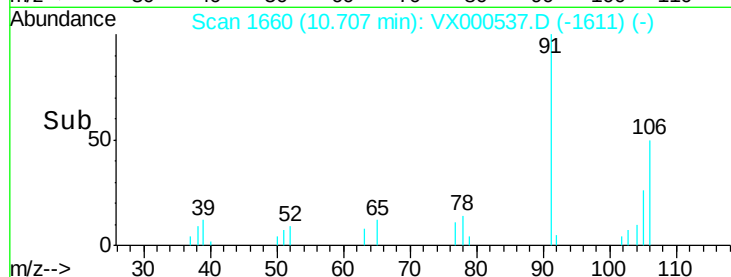
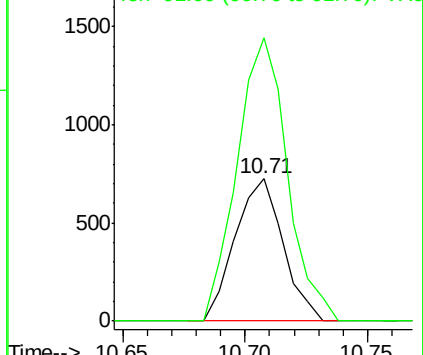
#69
o-Xylene
Concen: 0.35 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Instrument :
MSVOA_X
ClientSampled :
TPIAD

Tgt Ion:106 Resp: 987
Ion Ratio Lower Upper
106 100
91 209.0 106.5 319.6

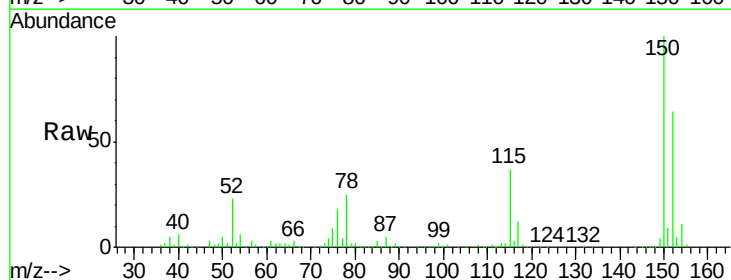


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

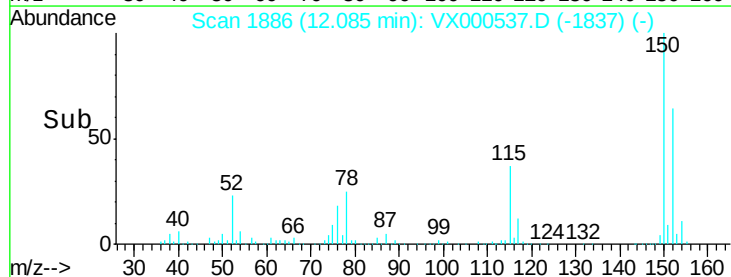
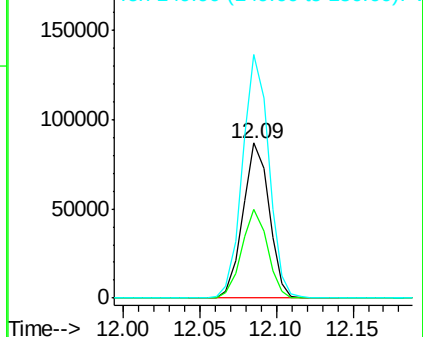


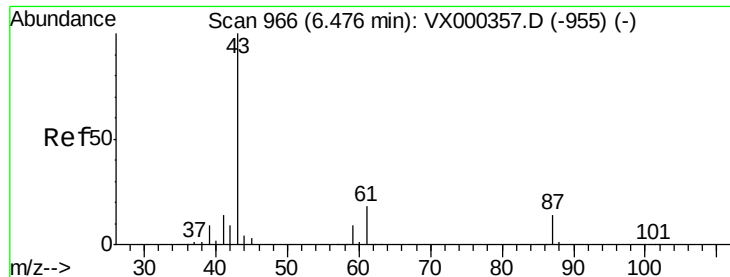
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.09 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Tgt Ion:152 Resp: 103583
Ion Ratio Lower Upper
152 100
115 56.2 39.8 119.3
150 156.9 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-amyI acetate

Concen: Below Cal

RT: 6.49 min Scan# 969

Delta R.T. 0.02 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

TPIAD

Tgt Ion: 43 Resp: 1317

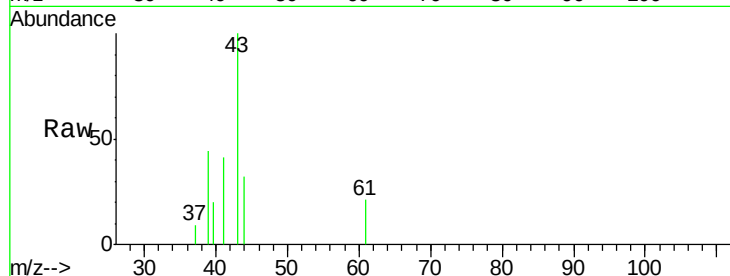
Ion Ratio Lower Upper

43 100

70 0.0 0.0 0.0

55 0.0 0.0 0.0

61 20.3 14.4 21.6

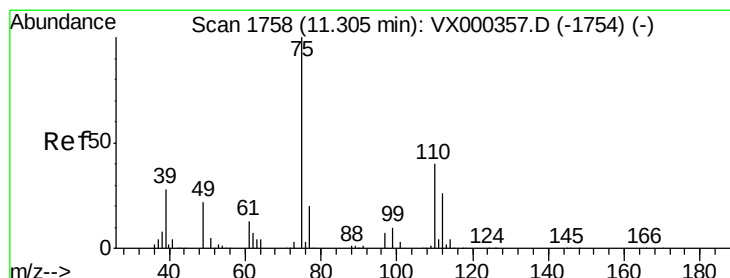
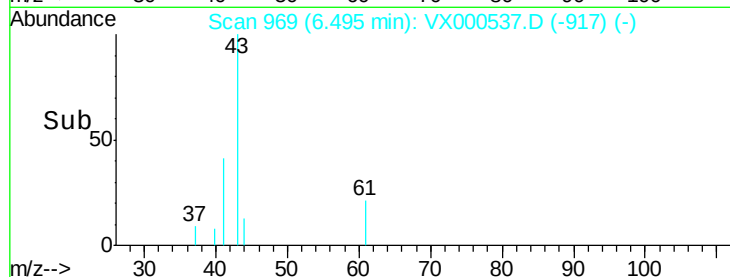
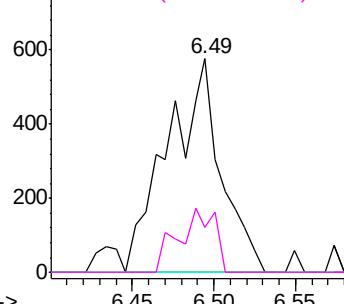


Abundance Ion 43.00 (42.70 to 43.70): VX0

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: 22.48 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000537.D

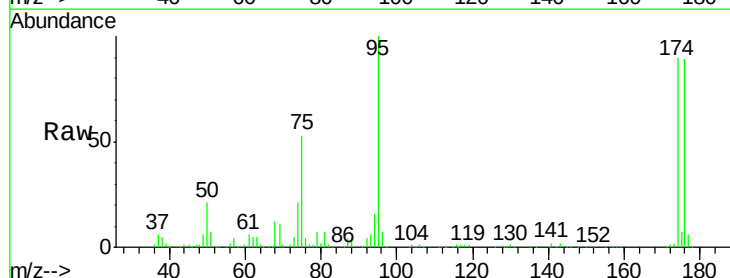
Acq: 30 Mar 2018 02:37

Tgt Ion: 75 Resp: 50043

Ion Ratio Lower Upper

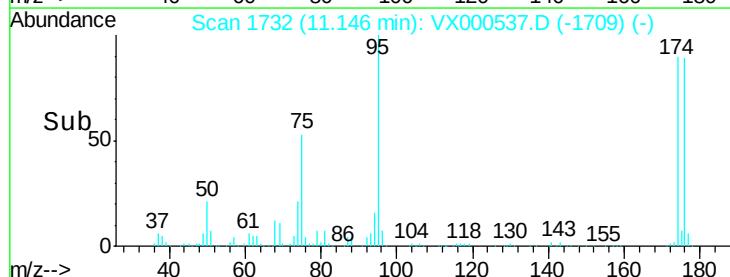
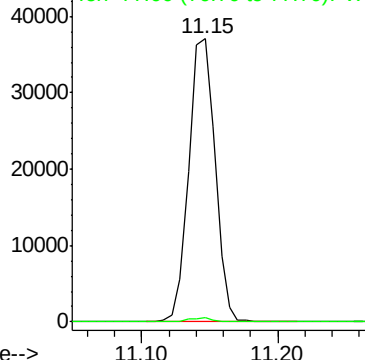
75 100

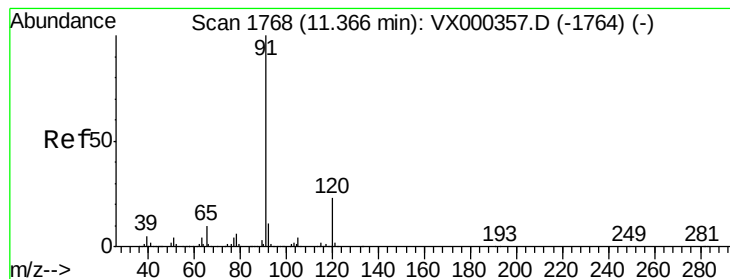
77 1.3 21.4 64.2#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#78

n-propylbenzene

Concen: 0.25 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampleId :

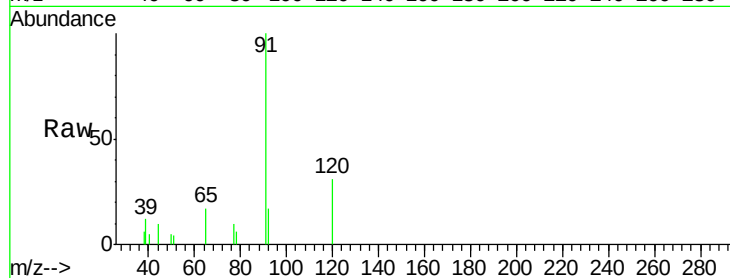
TPIAD

Tgt Ion: 91 Resp: 2082

Ion Ratio Lower Upper

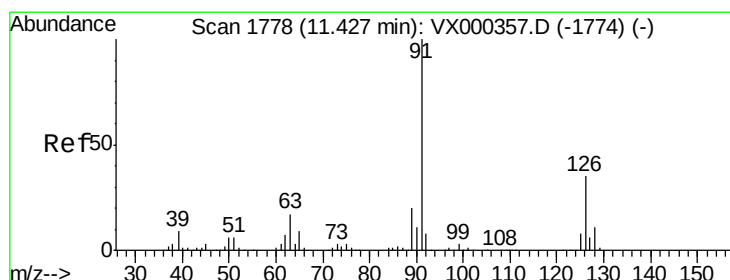
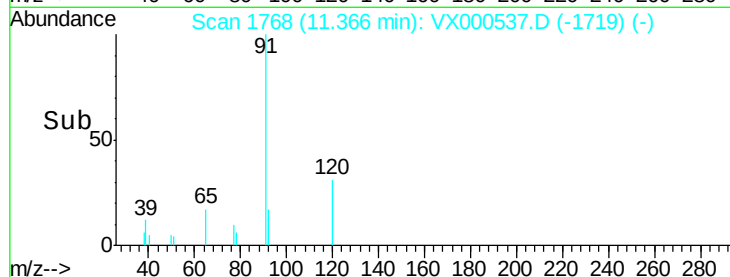
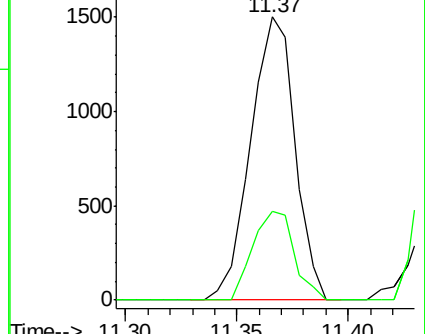
91 100

120 29.4 11.8 35.3



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 0.23 ug/l

RT: 11.44 min Scan# 1780

Delta R.T. 0.01 min

Lab File: VX000537.D

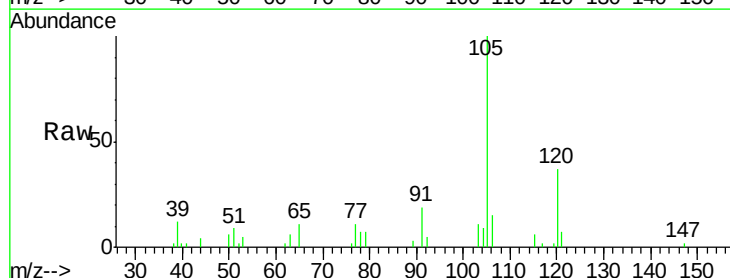
Acq: 30 Mar 2018 02:37

Tgt Ion: 91 Resp: 1094

Ion Ratio Lower Upper

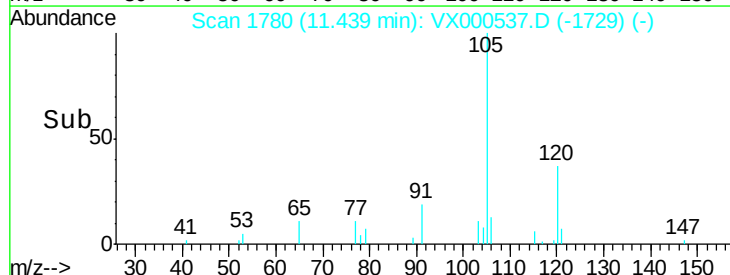
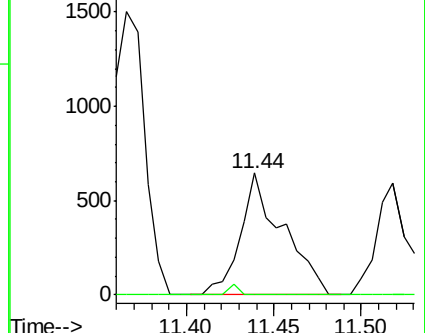
91 100

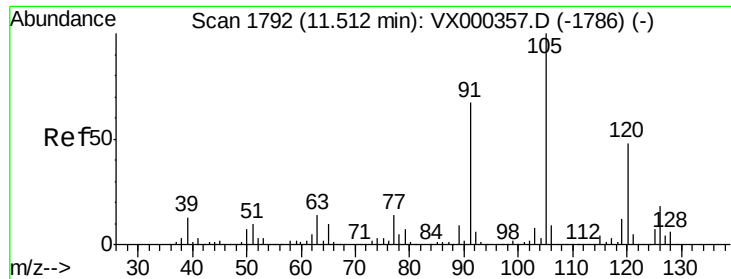
126 1.9 17.7 53.1#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 125.90 (125.60 to 126.60): V

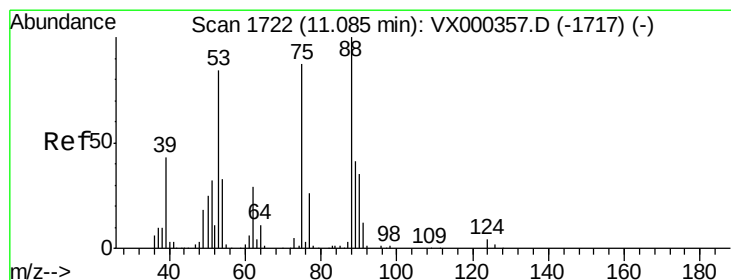
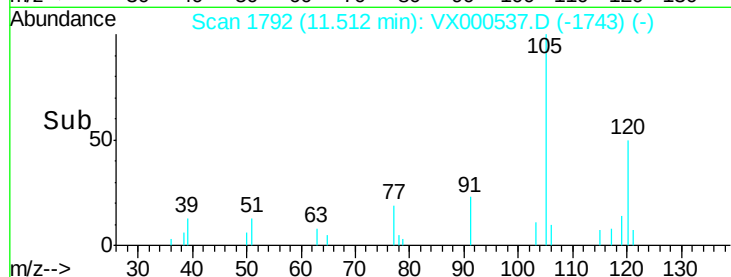
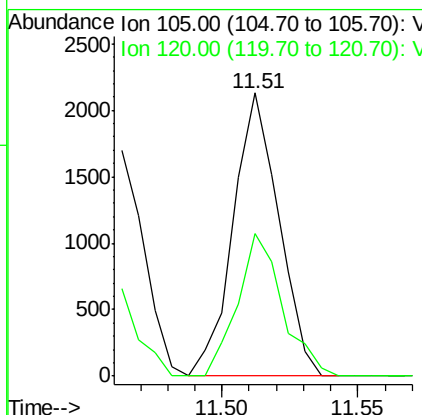
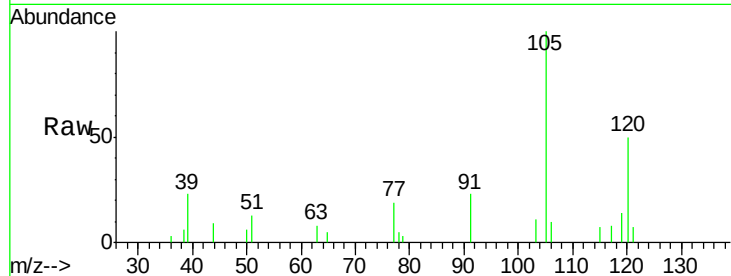




#80
 1,3,5-Trimethylbenzene
 Concen: 0.43 ug/l
 RT: 11.51 min Scan# 1792
 Delta R.T. 0.00 min
 Lab File: VX000537.D
 Acq: 30 Mar 2018 02:37

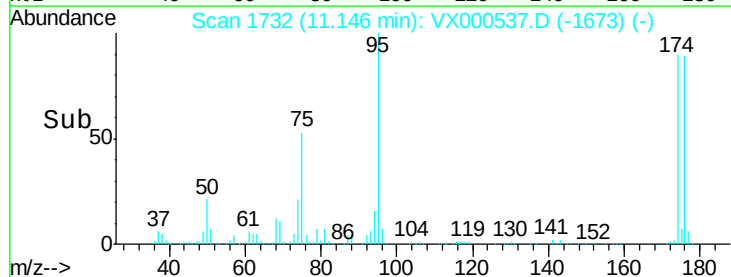
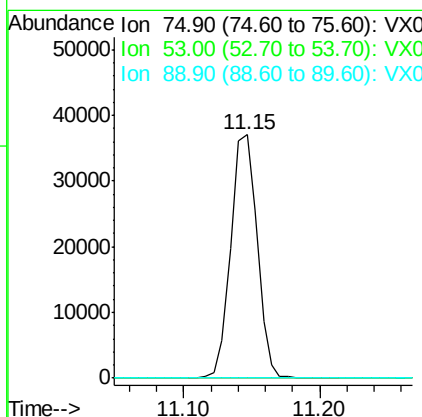
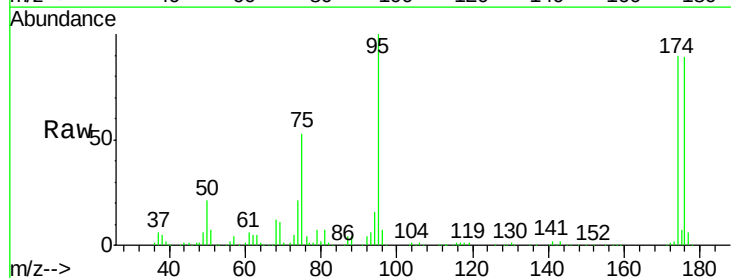
Instrument :
 MSVOA_X
 ClientSampleId :
 TPIAD

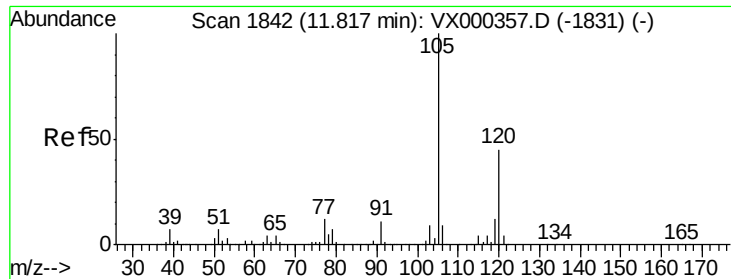
Tgt Ion: 105 Resp: 2481
 Ion Ratio Lower Upper
 105 100
 120 49.5 24.1 72.4



#81
 trans-1,4-Dichloro-2-butene
 Concen: 72.78 ug/l
 RT: 11.15 min Scan# 1732
 Delta R.T. 0.06 min
 Lab File: VX000537.D
 Acq: 30 Mar 2018 02:37

Tgt Ion: 75 Resp: 50043
 Ion Ratio Lower Upper
 75 100
 53 0.0 80.7 121.1#
 89 0.0 39.4 59.0#





#84

1,2,4-Trimethylbenzene

Concen: 1.53 ug/l

RT: 11.82 min Scan# 1842

Delta R.T. 0.00 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

Instrument :

MSVOA_X

ClientSampled :

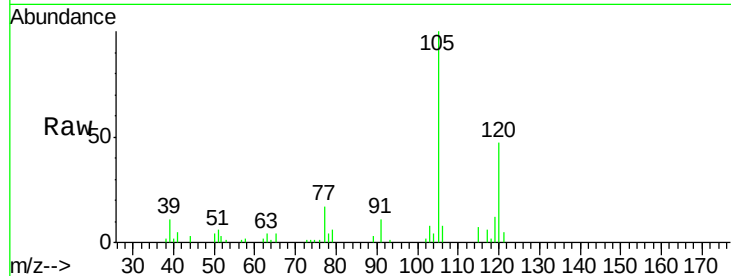
TPIAD

Tgt Ion:105 Resp: 9280

Ion Ratio Lower Upper

105 100

120 45.3 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

11.82

8000

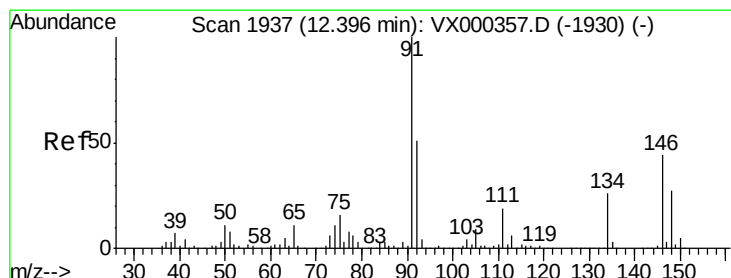
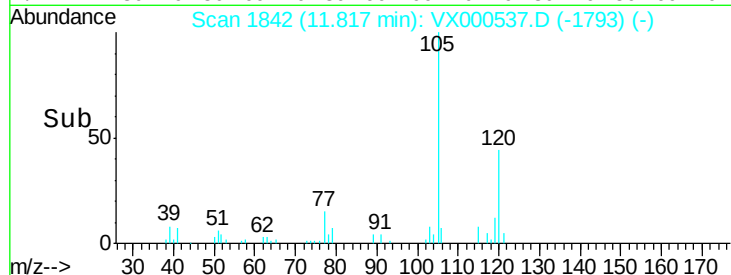
6000

4000

2000

0

Time--> 11.75 11.80 11.85



#89

n-Butylbenzene

Concen: 0.21 ug/l

RT: 12.39 min Scan# 1936

Delta R.T. -0.01 min

Lab File: VX000537.D

Acq: 30 Mar 2018 02:37

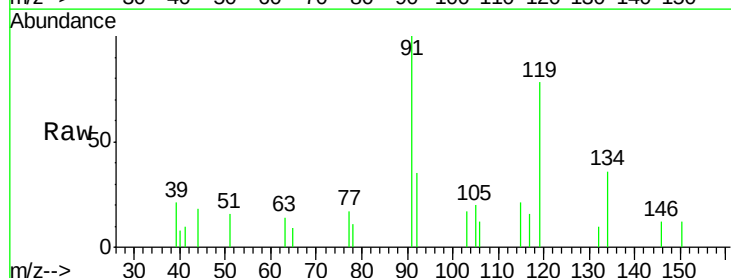
Tgt Ion: 91 Resp: 1224

Ion Ratio Lower Upper

91 100

92 42.2 25.9 77.8

134 72.5 13.1 39.3#



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 92.00 (91.70 to 92.70): VX0

Ion 134.00 (133.70 to 134.70): V

1200

1000

800

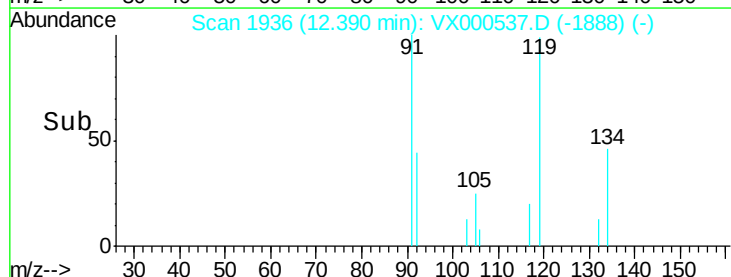
600

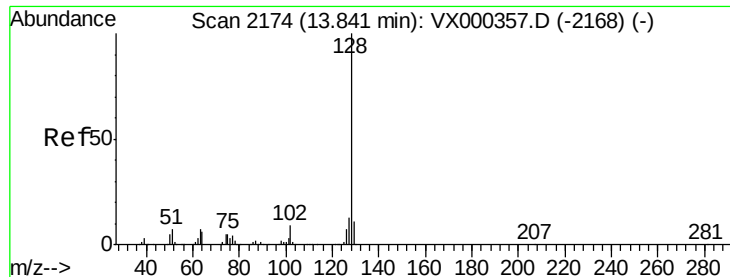
400

200

0

Time--> 12.35 12.40





#95
Naphthalene
Concen: 0.90 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX000537.D
Acq: 30 Mar 2018 02:37

Instrument :
MSVOA_X
ClientSampleId :
TPIAD

Tgt Ion	Ratio	Lower	Upper
128	100		
127	17.1	10.6	15.8#
129	11.4	8.9	13.3

