

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062718\
 Data File : VX002942.D
 Acq On : 27 Jun 2018 17:50
 Operator : JC/MD
 Sample : J3707-09 5X
 Misc : 6.01g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB480-15-17-180622

Quant Time: Jul 06 17:35:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 25 14:38:05 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	270950	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	382328	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361327	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	217368	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	186573	49.82	ug/l	0.00
Spiked Amount			Recovery	=	99.64%	
35) Dibromofluoromethane	5.51	113	142883	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	
50) Toluene-d8	8.72	98	544110	49.21	ug/l	0.00
Spiked Amount			Recovery	=	98.42%	
62) 4-Bromofluorobenzene	11.14	95	204794	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	

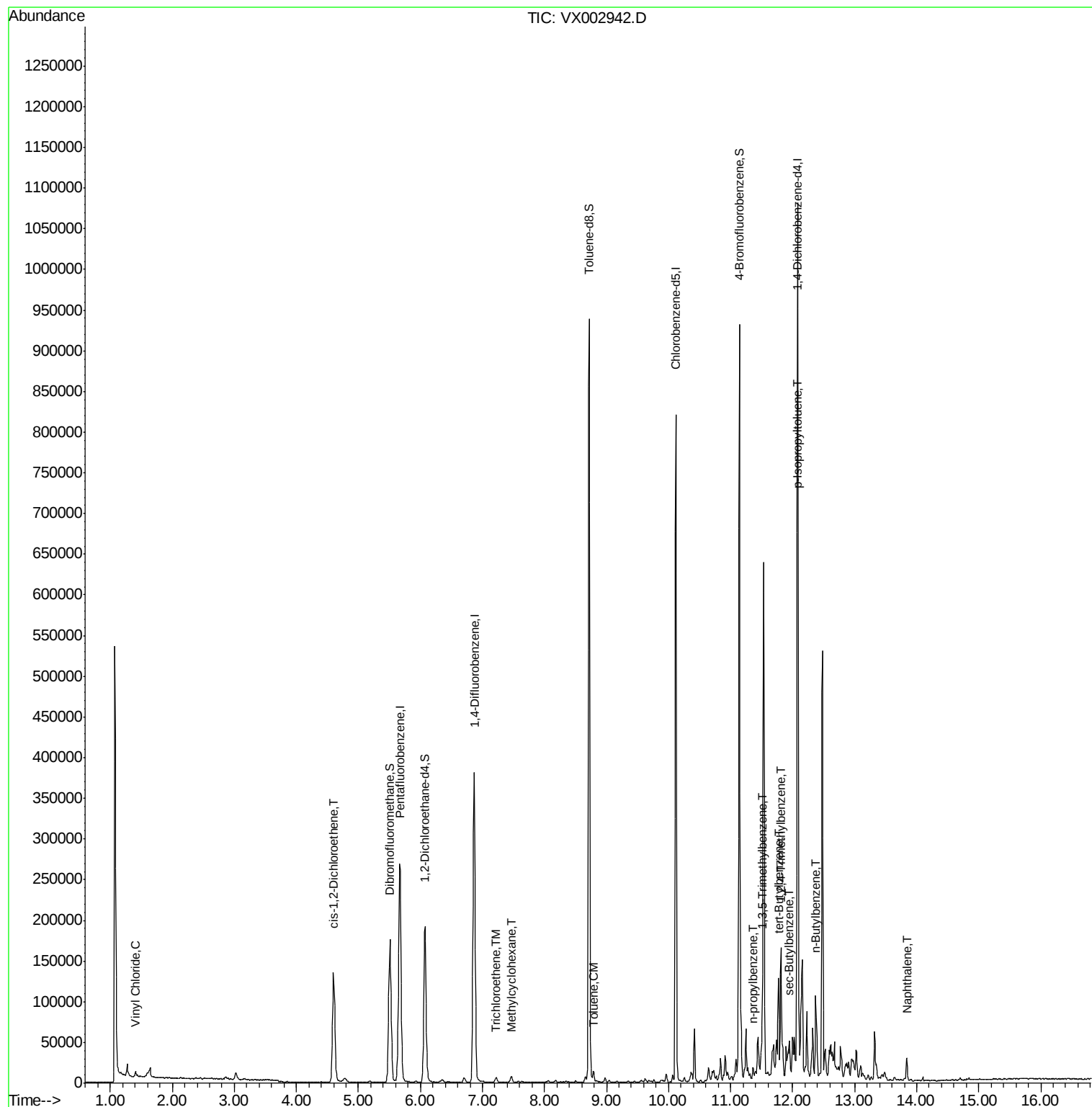
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.40	62	3321	1.08	ug/l	# 45
27) cis-1,2-Dichloroethene	4.60	96	84456	25.88	ug/l	87
39) Methylcyclohexane	7.47	83	2551	0.52	ug/l	90
44) Trichloroethene	7.21	130	2243	0.62	ug/l	80
52) Toluene	8.79	92	4140	0.53	ug/l	94
78) n-propylbenzene	11.37	91	7137	0.43	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	24981	2.03	ug/l	96
83) tert-Butylbenzene	11.77	119	2968	0.24	ug/l	86
84) 1,2,4-Trimethylbenzene	11.81	105	59152	4.64	ug/l	100
85) sec-Butylbenzene	11.95	105	8045	0.55	ug/l	# 56
86) p-Isopropyltoluene	12.07	119	6956	0.53	ug/l	86
89) n-Butylbenzene	12.38	91	12584	1.09	ug/l	# 35
95) Naphthalene	13.84	128	17430	1.17	ug/l	98

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

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ALS Vial : 16 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 06 17:35:18 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062518W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 25 14:38:05 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 833

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

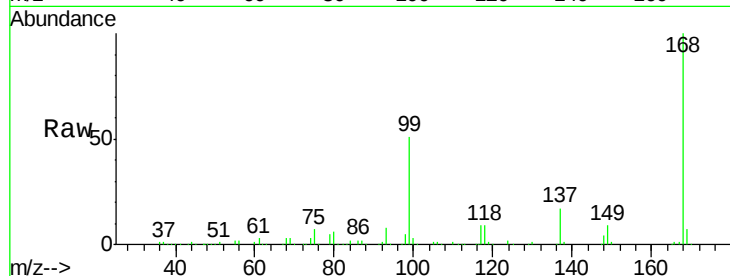
WP021SB480-15-17-180622

Tot Ion:168 Resp: 270950

Ion Ratio Lower Upper

168 100

99 51.1 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

100000

80000

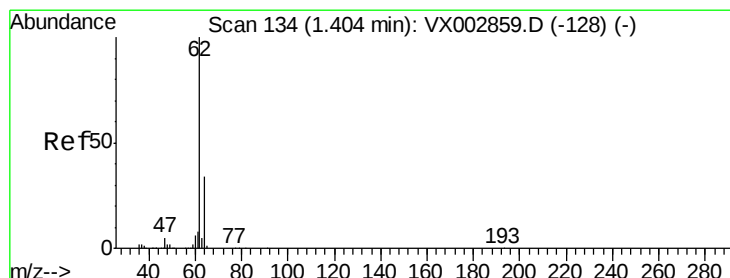
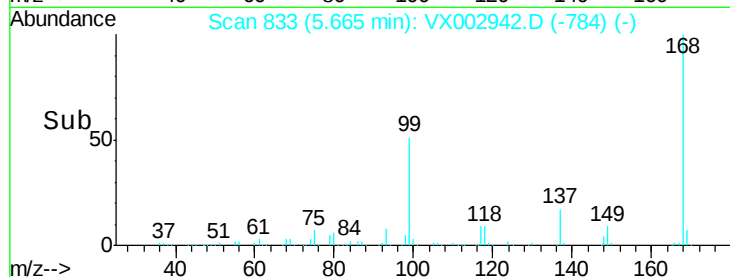
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#4

Vinyl Chloride

Concen: 1.08 ug/l

RT: 1.40 min Scan# 134

Delta R.T. -0.00 min

Lab File: VX002942.D

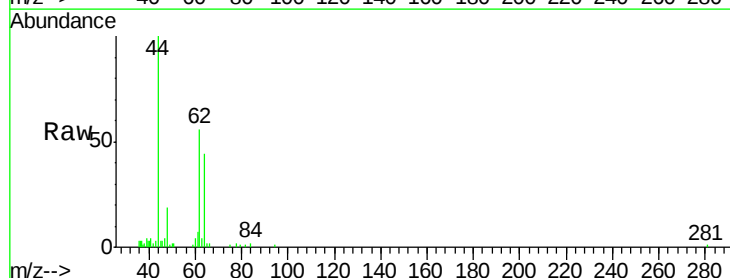
Acq: 27 Jun 2018 17:50

Tgt Ion: 62 Resp: 3321

Ion Ratio Lower Upper

62 100

64 62.1 25.4 38.2#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1.40

3000

2500

2000

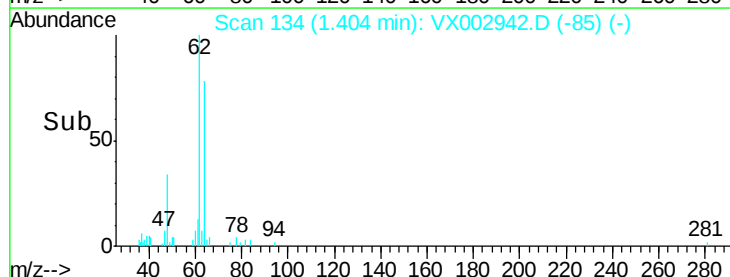
1500

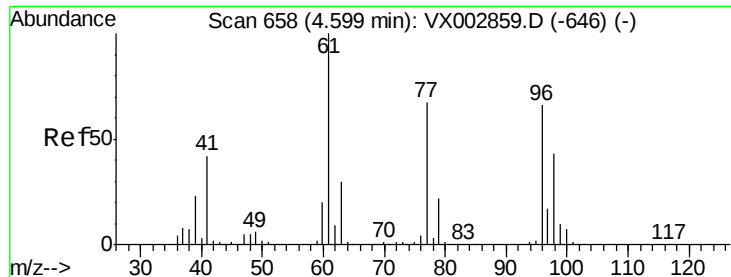
1000

500

0

Time--> 1.35 1.40 1.45





#27

cis-1,2-Dichloroethene

Concen: 25.88 ug/l

RT: 4.60 min Scan# 658

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-15-17-180622

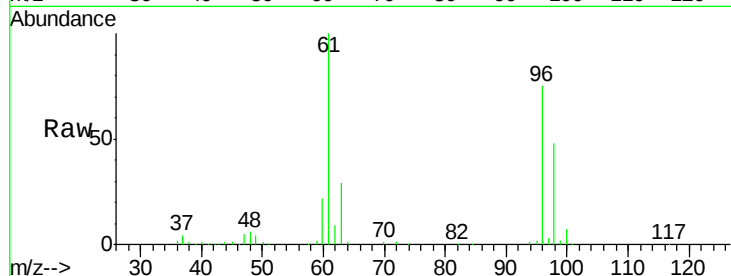
Tot Ion: 96 Resp: 84456

Ion Ratio Lower Upper

96 100

61 142.0 0.0 330.2

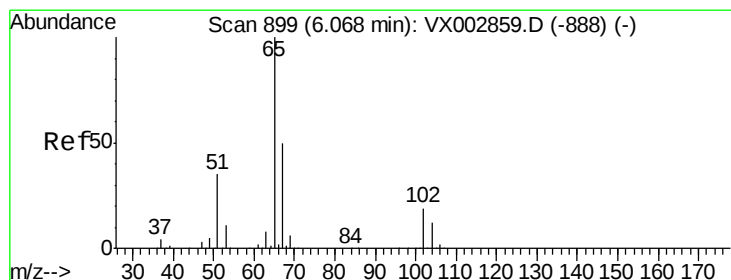
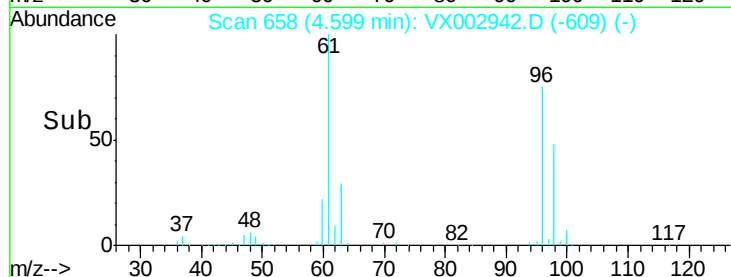
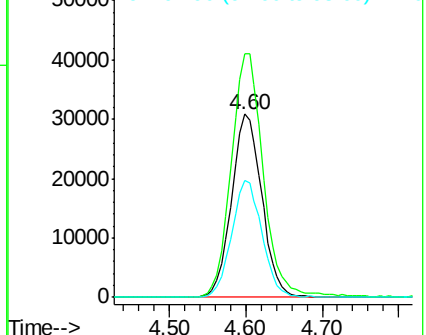
98 64.0 0.0 130.2



Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 49.82 ug/l

RT: 6.07 min Scan# 900

Delta R.T. 0.01 min

Lab File: VX002942.D

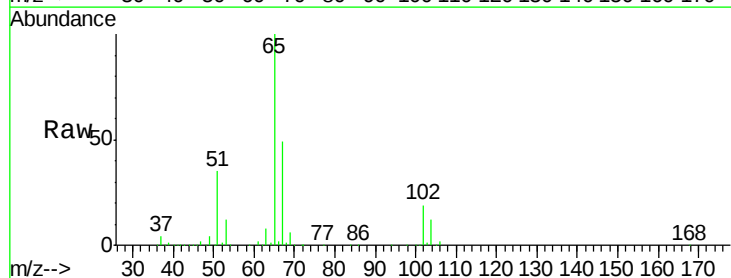
Acq: 27 Jun 2018 17:50

Tgt Ion: 65 Resp: 186573

Ion Ratio Lower Upper

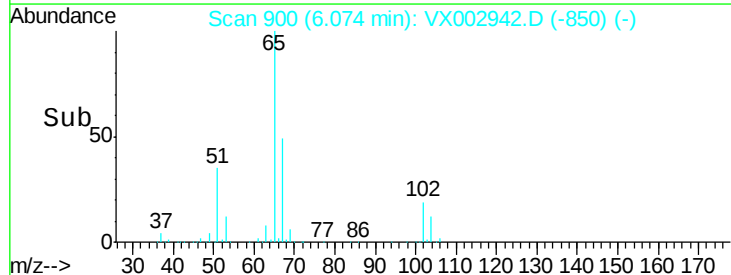
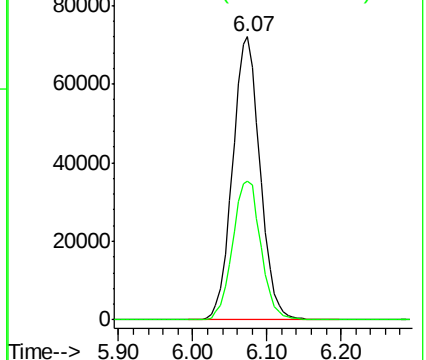
65 100

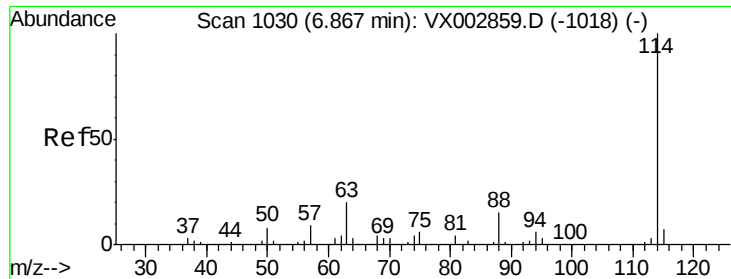
67 50.7 0.0 102.6



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# 1030

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-15-17-180622

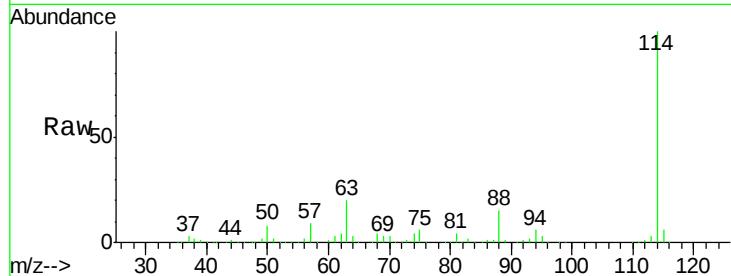
Tot Ion:114 Resp: 382328

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.4

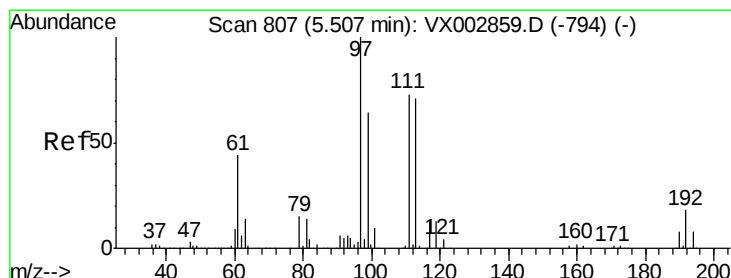
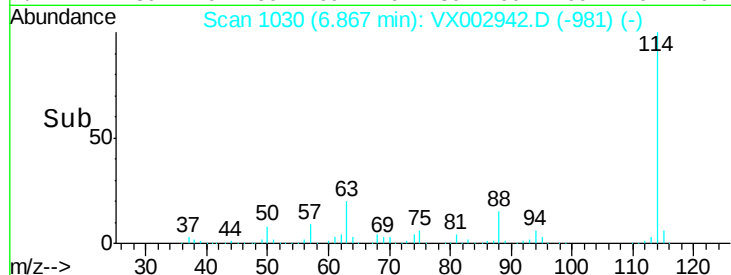
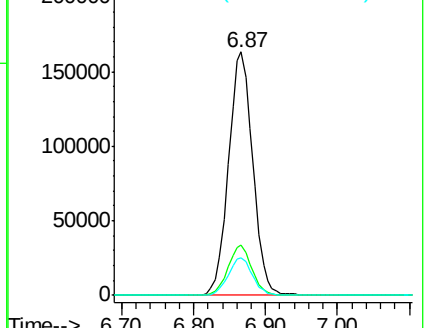
88 15.2 0.0 30.0



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: 47.19 ug/l

RT: 5.51 min Scan# 807

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

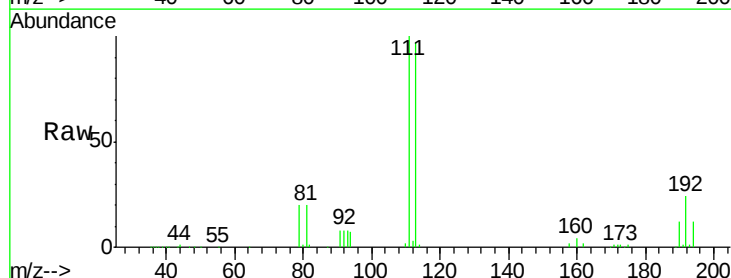
Tgt Ion:113 Resp: 142883

Ion Ratio Lower Upper

113 100

111 102.2 81.4 122.0

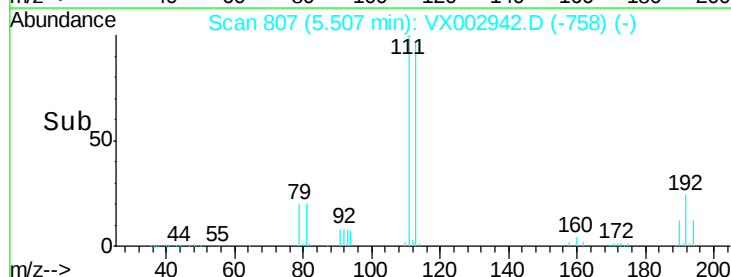
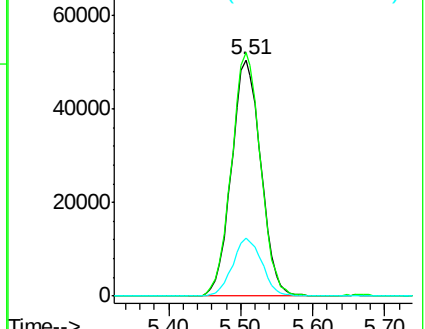
192 24.5 19.1 28.7

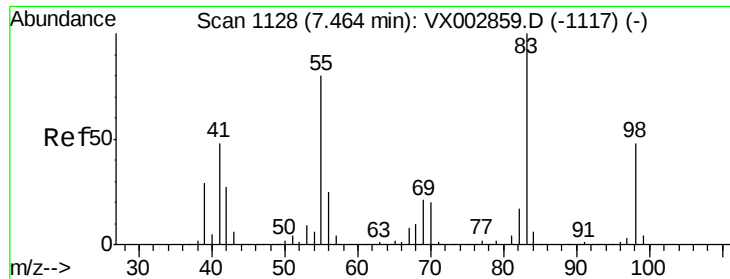


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

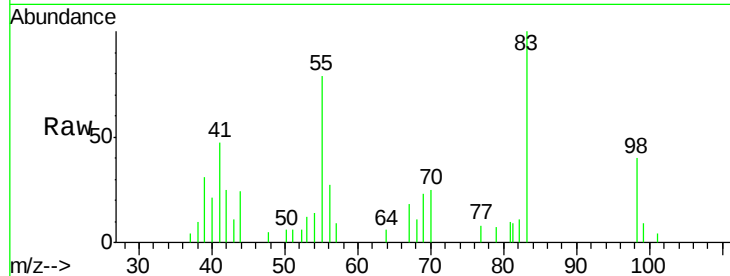




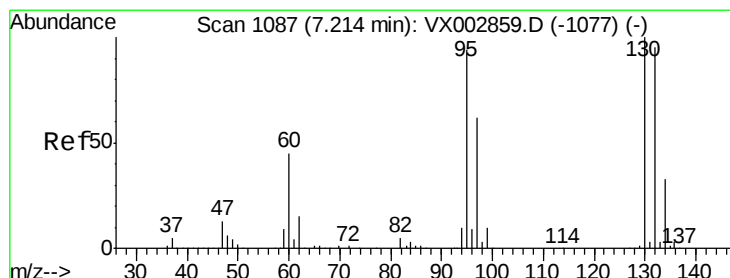
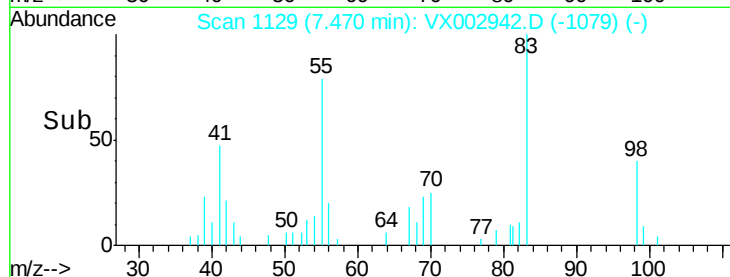
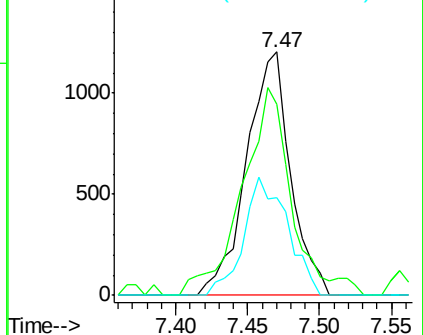
#39
Methvlcvclohexane
Concen: 0.52 ug/l
RT: 7.47 min Scan# 1129
Delta R.T. 0.01 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-15-17-180622

Tot Ion: 83 Resp: 2551
Ion Ratio Lower Upper
83 100
55 72.3 65.4 98.0
98 40.0 37.4 56.0

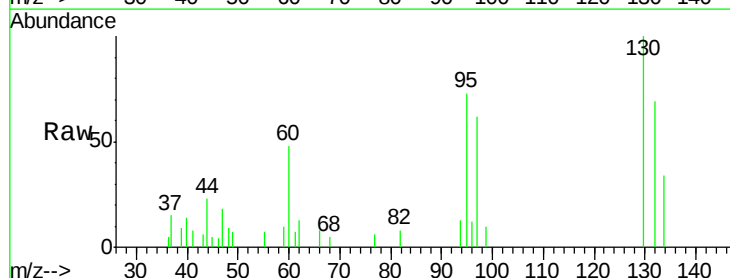


Abundance Ion 83.00 (82.70 to 83.70): VX0
Ion 55.00 (54.70 to 55.70): VX0
Ion 98.00 (97.70 to 98.70): VX0

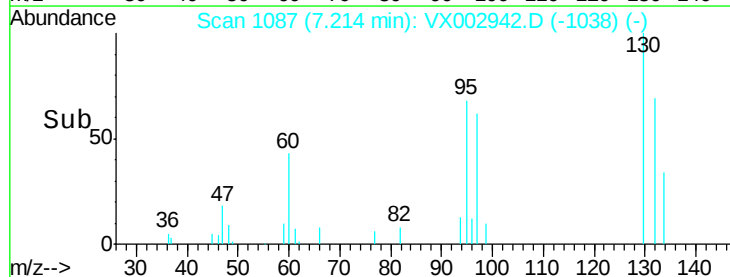
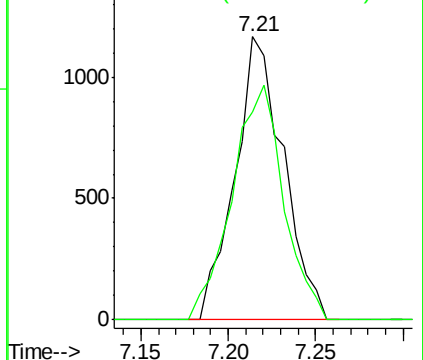


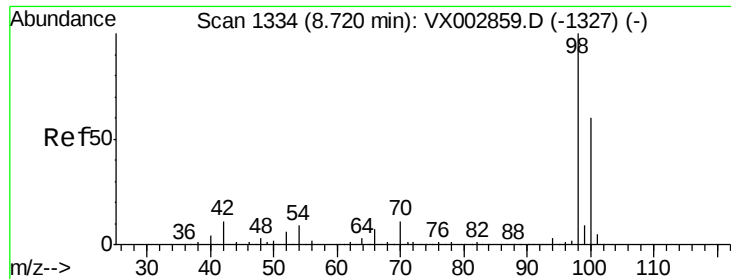
#44
Trichloroethene
Concen: 0.62 ug/l
RT: 7.21 min Scan# 1087
Delta R.T. -0.00 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

Tgt Ion:130 Resp: 2243
Ion Ratio Lower Upper
130 100
95 73.5 0.0 185.4



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VX0

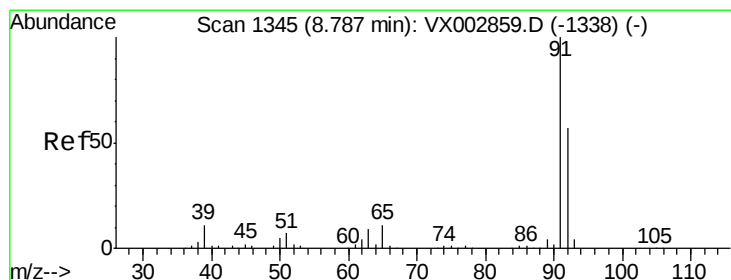
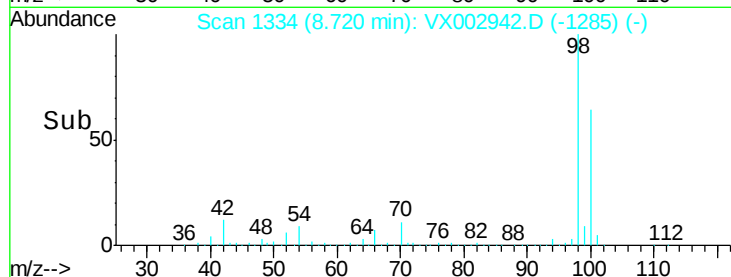
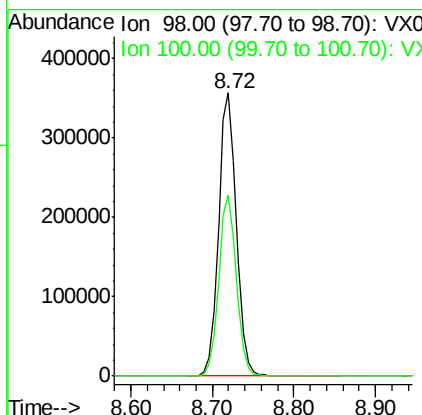
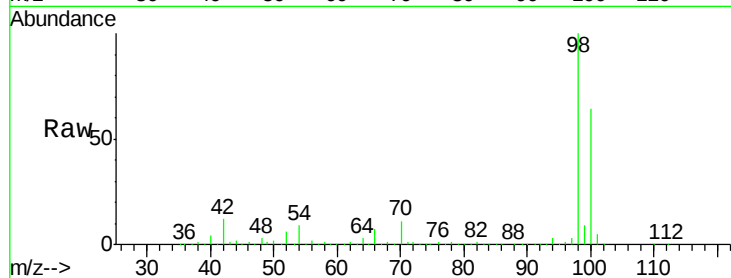




#50
Toluene-d8
Concen: 49.21 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

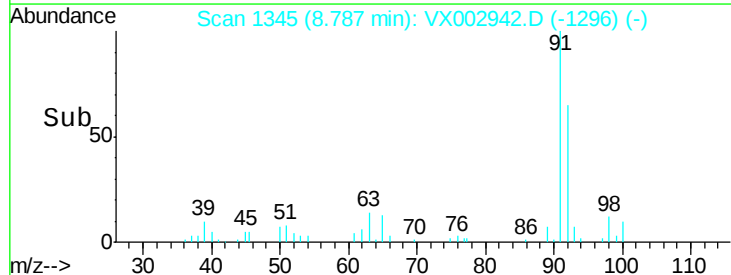
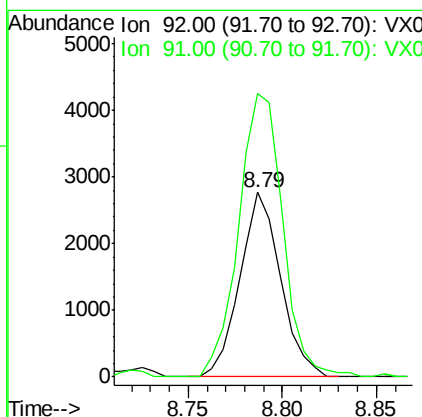
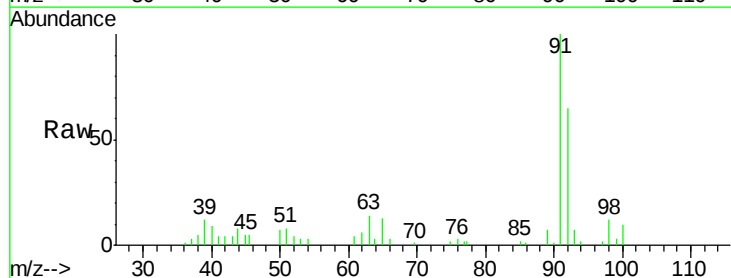
Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-15-17-180622

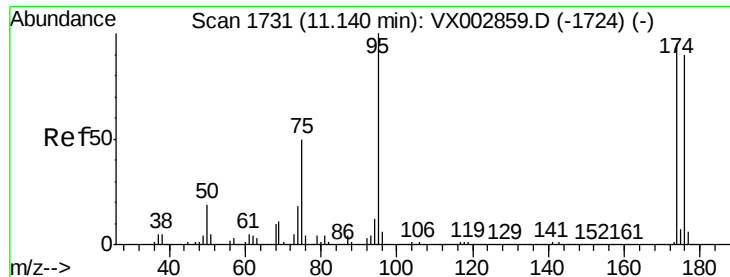
Tot Ion: 98 Resp: 544110
Ion Ratio Lower Upper
98 100
100 63.6 50.9 76.3



#52
Toluene
Concen: 0.53 ug/l
RT: 8.79 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

Tgt Ion: 92 Resp: 4140
Ion Ratio Lower Upper
92 100
91 166.8 140.4 210.6





#62

4-Bromofluorobenzene

Concen: 48.03 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-15-17-180622

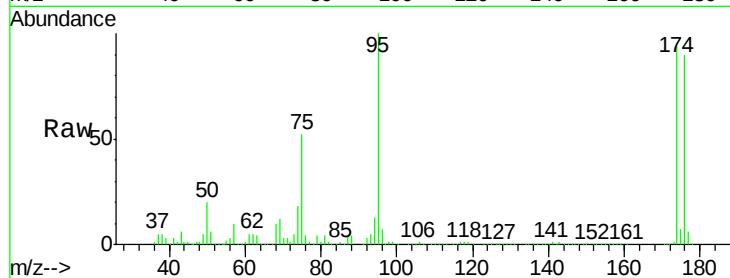
Tot Ion: 95 Resp: 204794

Ion Ratio Lower Upper

95 100

174 95.6 0.0 187.4

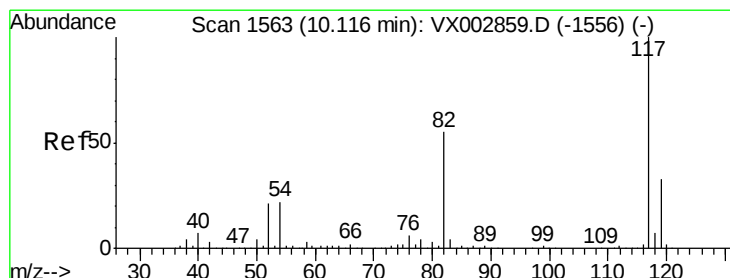
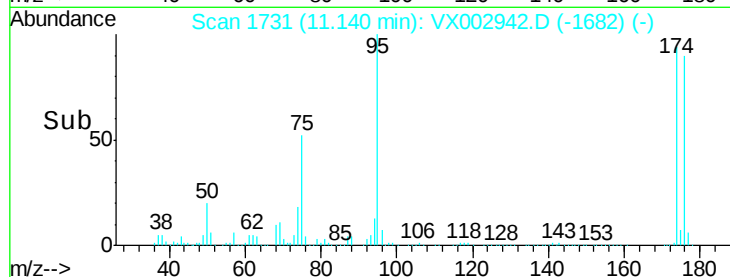
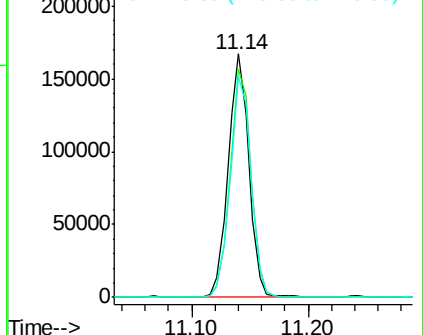
176 91.9 0.0 181.0



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# 1563

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

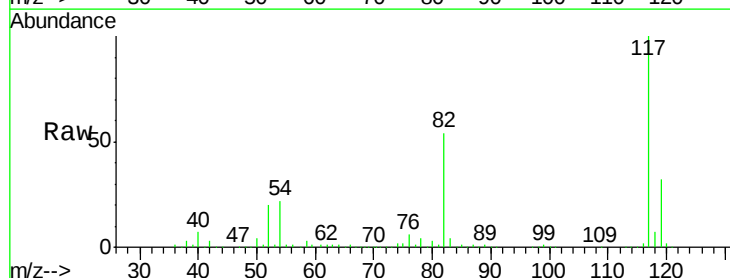
Tgt Ion: 117 Resp: 361327

Ion Ratio Lower Upper

117 100

82 53.9 45.0 67.4

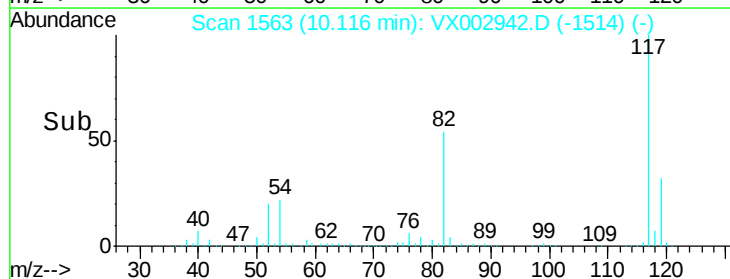
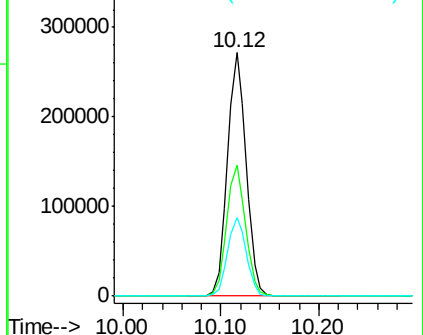
119 32.2 25.8 38.6

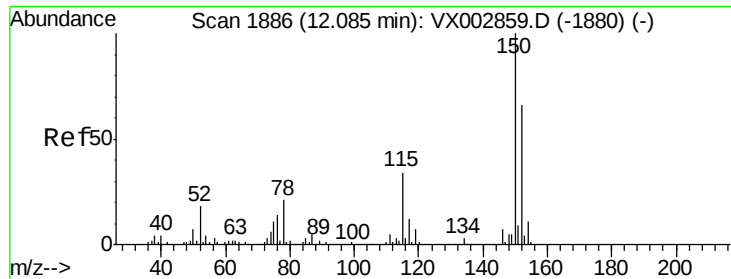


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VX0

Ion 118.90 (118.60 to 119.60): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

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MSVOA_X

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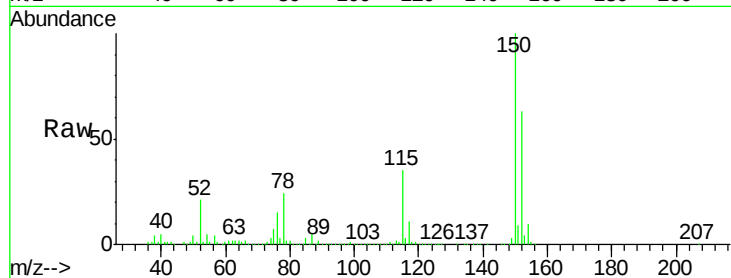
Tot Ion:152 Resp: 217368

Ion Ratio Lower Upper

152 100

115 54.5 40.1 120.2

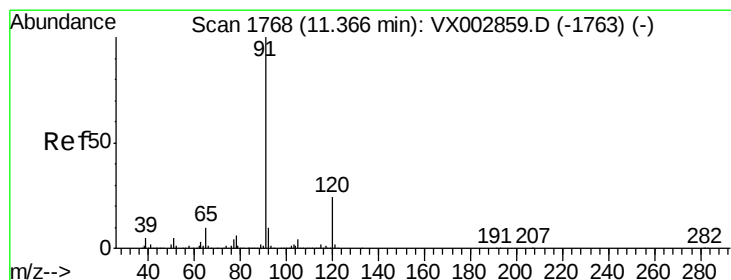
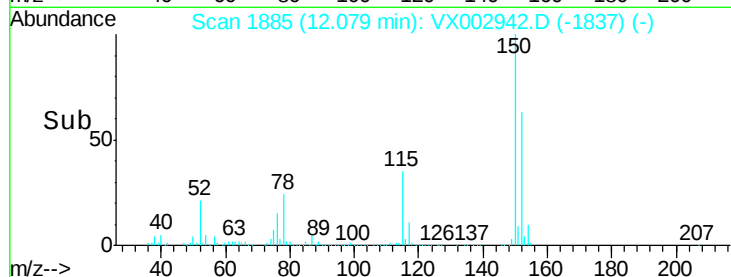
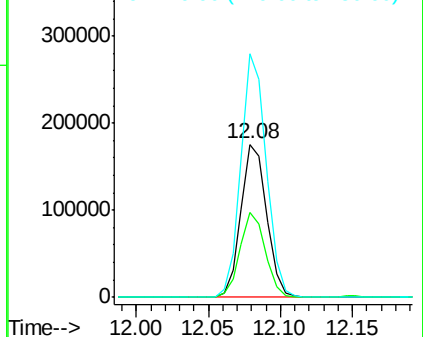
150 157.0 0.0 347.2



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



#78

n-propylbenzene

Concen: 0.43 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002942.D

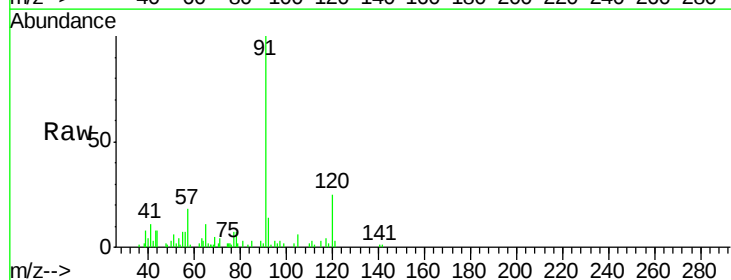
Acq: 27 Jun 2018 17:50

Tgt Ion: 91 Resp: 7137

Ion Ratio Lower Upper

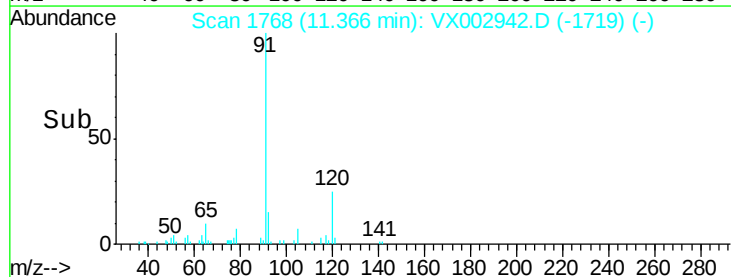
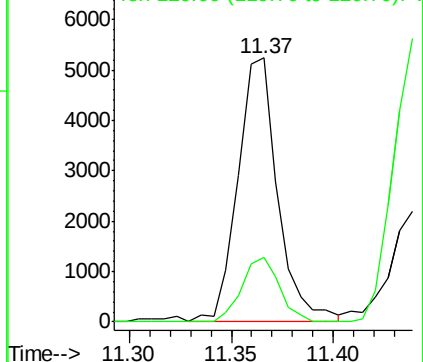
91 100

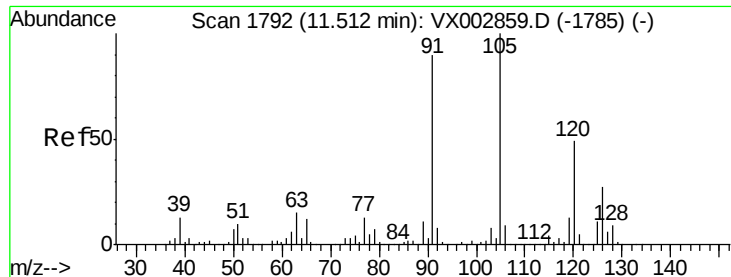
120 23.0 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 2.03 ug/l

RT: 11.51 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

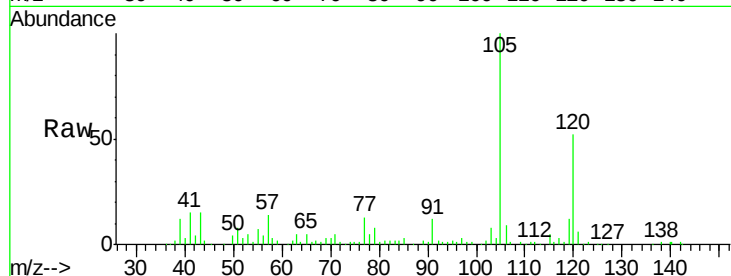
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Tot Ion:105 Resp: 24981

Ion Ratio Lower Upper

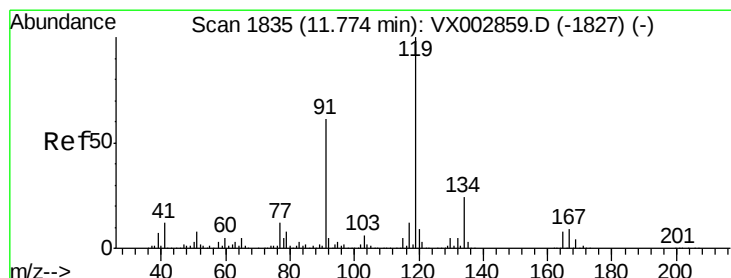
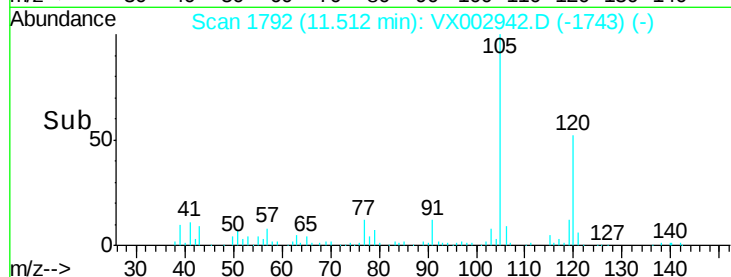
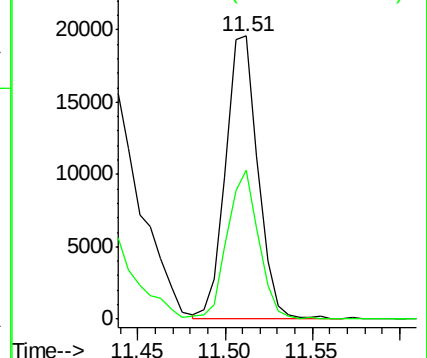
105 100

120 51.6 24.4 73.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.24 ug/l

RT: 11.77 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

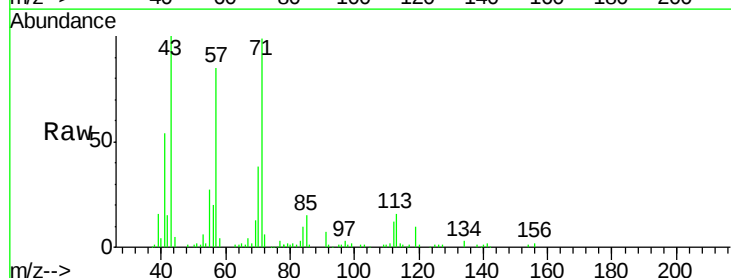
Tgt Ion:119 Resp: 2968

Ion Ratio Lower Upper

119 100

91 74.3 30.3 90.9

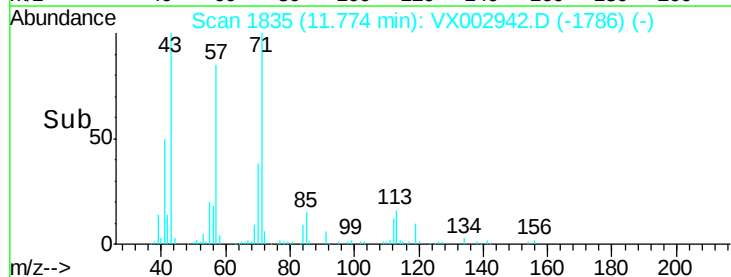
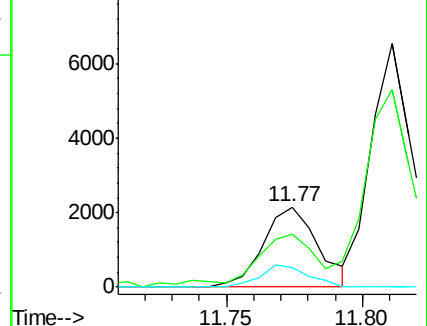
134 24.4 11.7 35.1

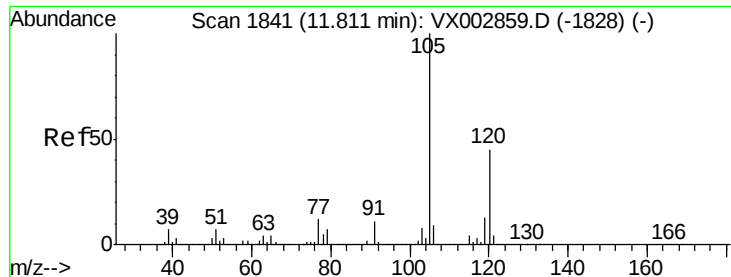


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V

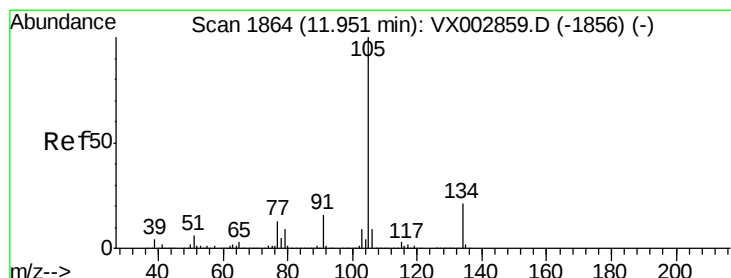
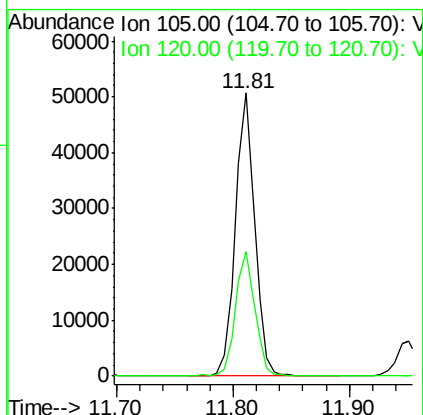
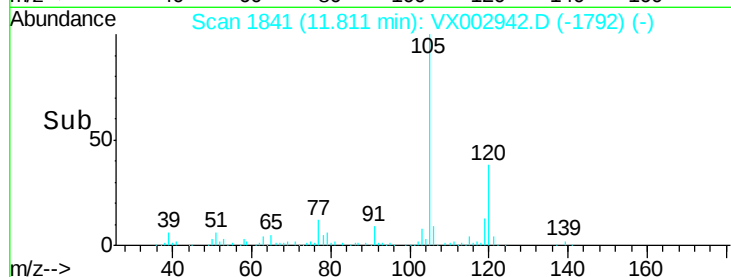
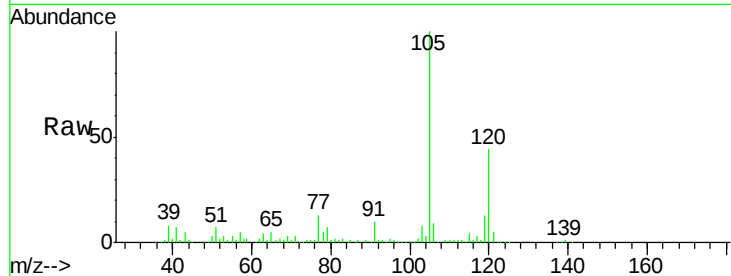




#84
 1,2,4-Trimethylbenzene
 Concen: 4.64 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. -0.00 min
 Lab File: VX002942.D
 Acq: 27 Jun 2018 17:50

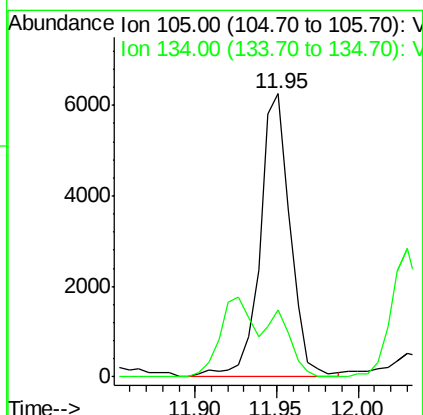
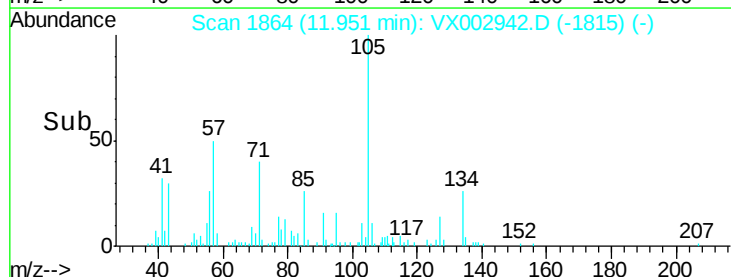
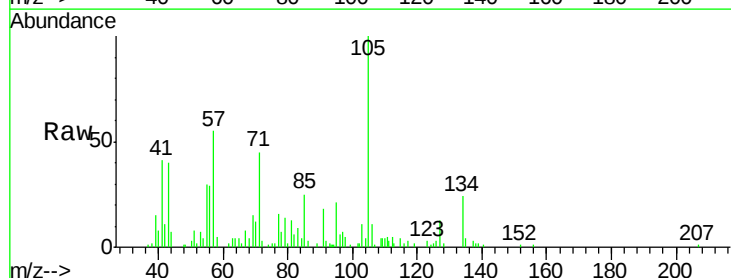
Instrument :
 MSVOA_X
 ClientSampleId :
 WP021SB480-15-17-180622

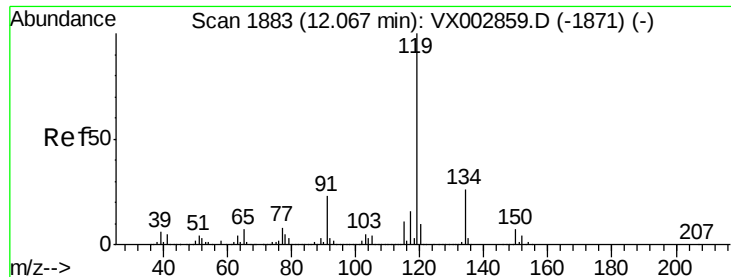
Tot Ion:105 Resp: 59152
 Ion Ratio Lower Upper
 105 100
 120 44.6 22.3 66.8



#85
 sec-Butylbenzene
 Concen: 0.55 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002942.D
 Acq: 27 Jun 2018 17:50

Tgt Ion:105 Resp: 8045
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#

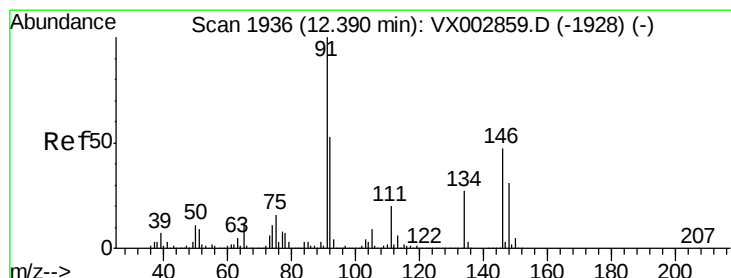
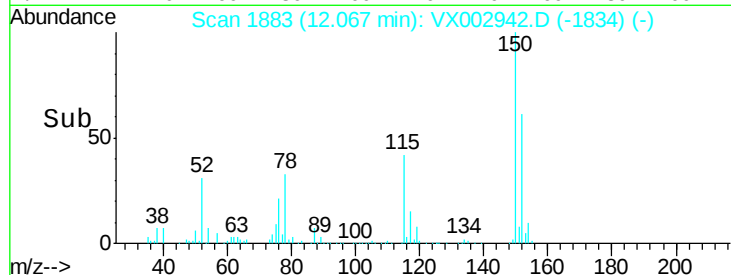
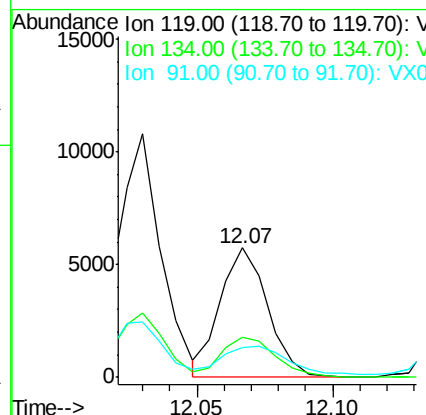
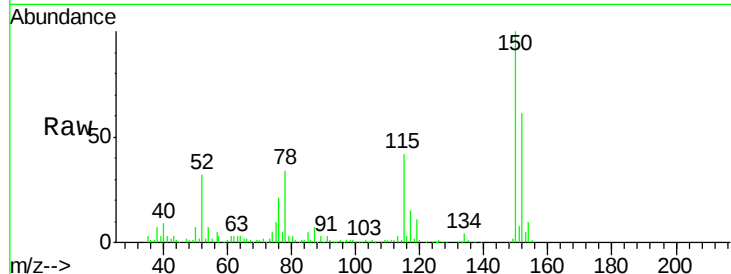




#86
p-Isopropyltoluene
Concen: 0.53 ug/l
RT: 12.07 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

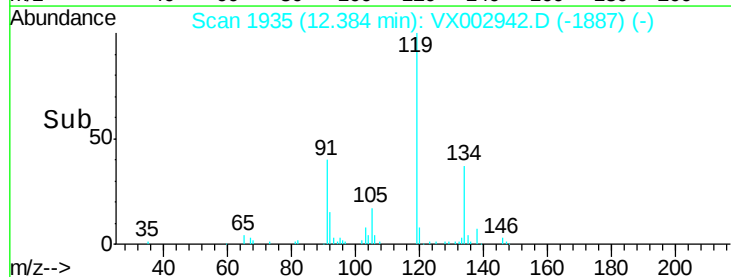
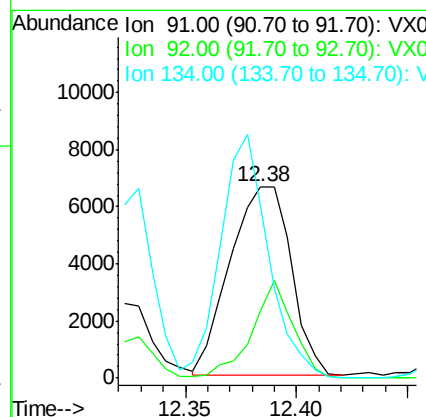
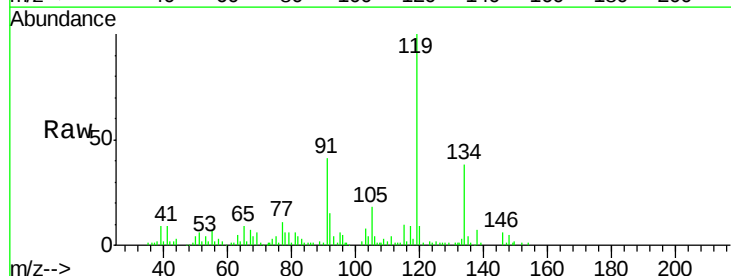
Instrument :
MSVOA_X
ClientSampleId :
WP021SB480-15-17-180622

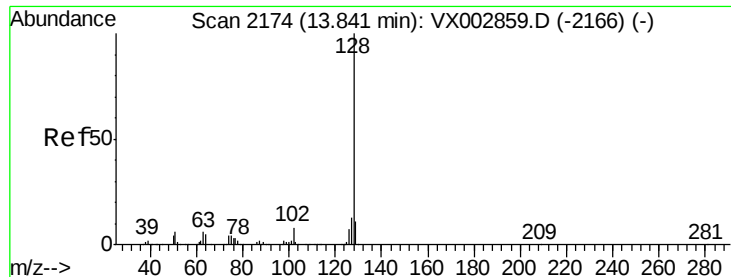
Tot Ion	Ratio	Lower	Upper
119	100		
134	35.3	13.4	40.1
91	29.1	11.9	35.7



#89
n-Butylbenzene
Concen: 1.09 ug/l
RT: 12.38 min Scan# 1935
Delta R.T. -0.01 min
Lab File: VX002942.D
Acq: 27 Jun 2018 17:50

Tgt Ion	Ratio	Lower	Upper
91	100		
92	35.2	26.0	78.0
134	101.6	13.5	40.5#





#95

Naphthalene

Concen: 1.17 ug/l

RT: 13.84 min Scan# 2174

Delta R.T. -0.00 min

Lab File: VX002942.D

Acq: 27 Jun 2018 17:50

Instrument :

MSVOA_X

ClientSampleId :

WP021SB480-15-17-180622

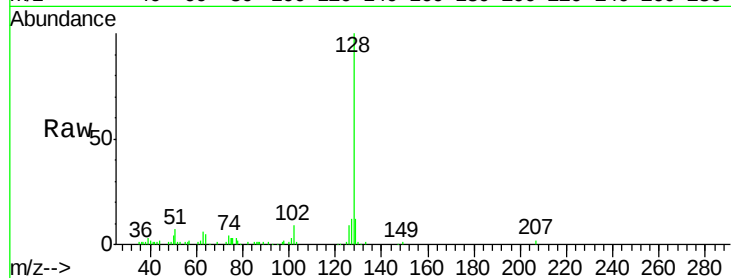
Tot Ion:128 Resp: 17430

Ion Ratio Lower Upper

128 100

127 13.2 10.4 15.6

129 12.6 8.6 13.0



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

