

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042220\
 Data File : VX015874.D
 Acq On : 23 Apr 2020 05:06
 Operator : JC/SP
 Sample : L2379-09
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 Z3-DUP-0546-200420

Quant Time: Apr 23 12:27:27 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 23 04:36:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	944312	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	1460880	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1445080	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	815193	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	522048	48.61	ug/l	0.00
Spiked Amount			Recovery	=	97.22%	
35) Dibromofluoromethane	5.47	113	422401	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
50) Toluene-d8	8.70	98	1768017	52.08	ug/l	0.00
Spiked Amount			Recovery	=	104.16%	
62) 4-Bromofluorobenzene	11.12	95	761316	54.67	ug/l	0.00
Spiked Amount			Recovery	=	109.34%	

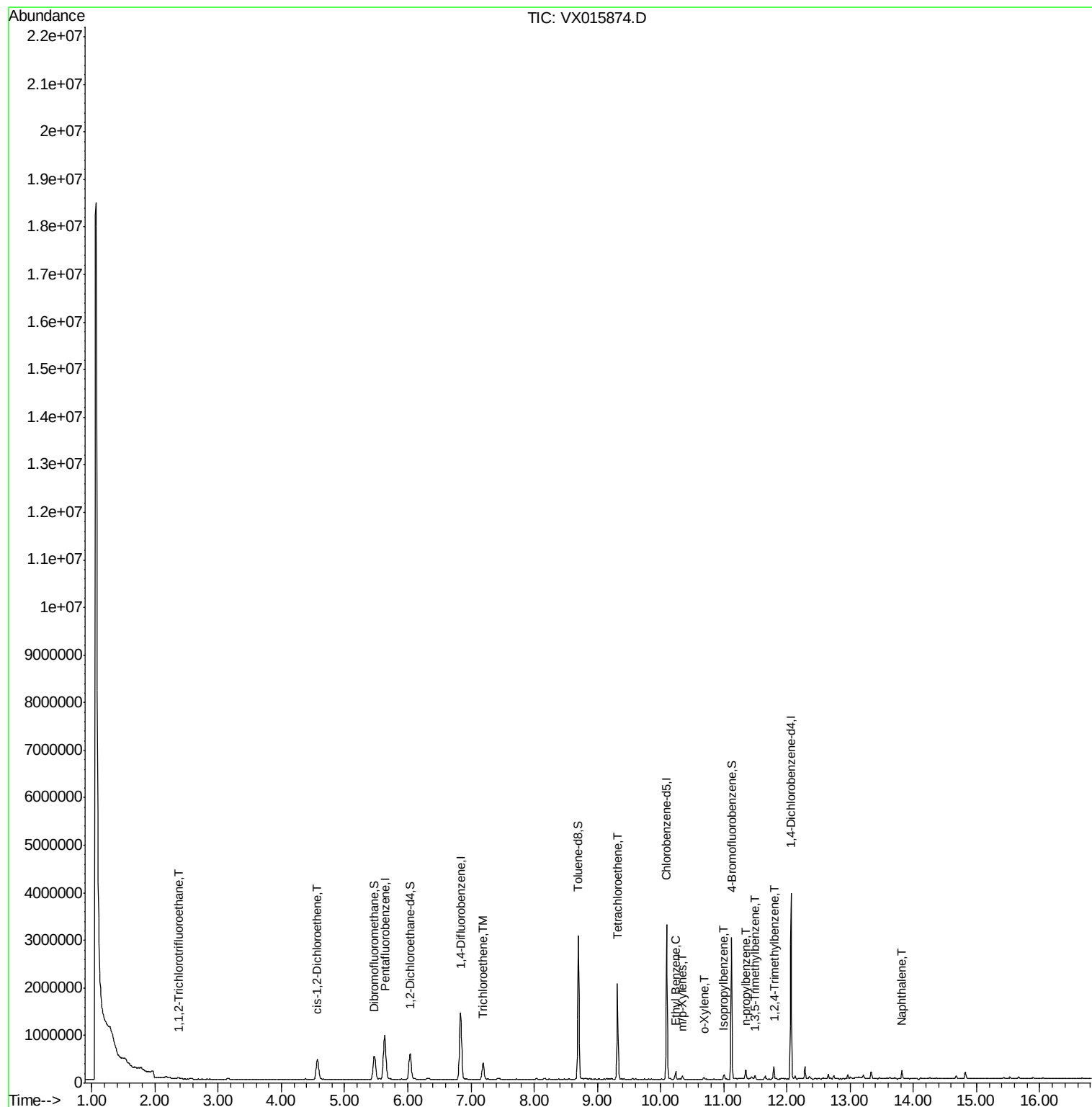
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.37	101	15711	1.948	ug/l	98
27) cis-1,2-Dichloroethene	4.57	96	279573	26.835	ug/l	91
44) Trichloroethene	7.20	130	138921	10.134	ug/l	92
64) Tetrachloroethene	9.32	164	397925	20.429	ug/l	89
67) Ethyl Benzene	10.24	91	104891	2.067	ug/l	98
68) m/p-Xylenes	10.34	106	16190	0.850	ug/l	99
69) o-Xylene	10.68	106	8745	0.467	ug/l	93
73) Isopropylbenzene	11.00	105	55016	1.063	ug/l	99
78) n-propylbenzene	11.34	91	99086	1.671	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	31229	0.707	ug/l	95
84) 1,2,4-Trimethylbenzene	11.79	105	126017	2.750	ug/l	99
95) Naphthalene	13.82	128	114928	2.059	ug/l	97

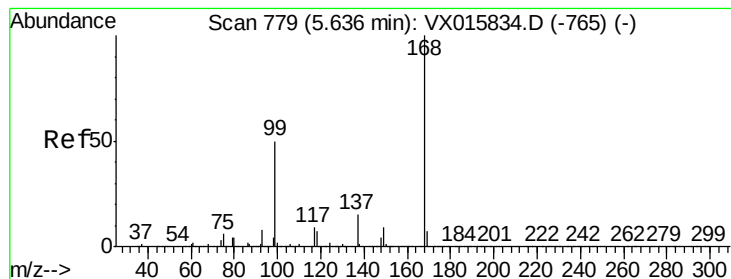
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X042220W.M
Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 779

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

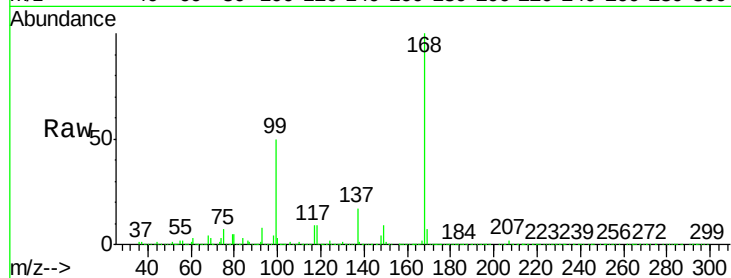
Z3-DUP-0546-200420

Tot Ion:168 Resp: 944312

Ion Ratio Lower Upper

168 100

99 49.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

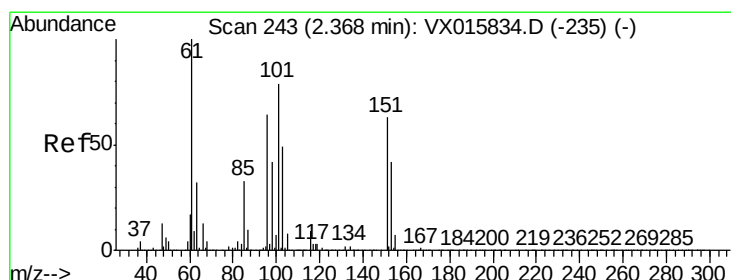
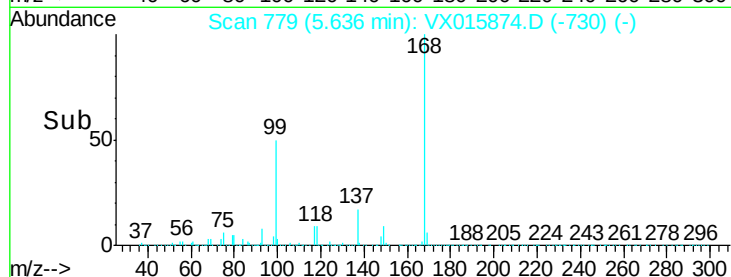
300000

200000

100000

0

Time-->



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.948 ug/l

RT: 2.37 min Scan# 243

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

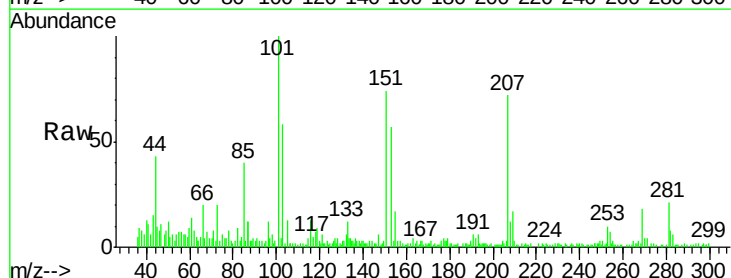
Tgt Ion:101 Resp: 15711

Ion Ratio Lower Upper

101 100

85 43.5 33.8 50.6

151 86.1 67.8 101.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V

2.37

10000

8000

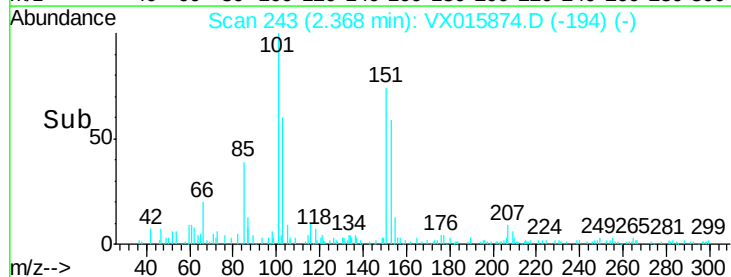
6000

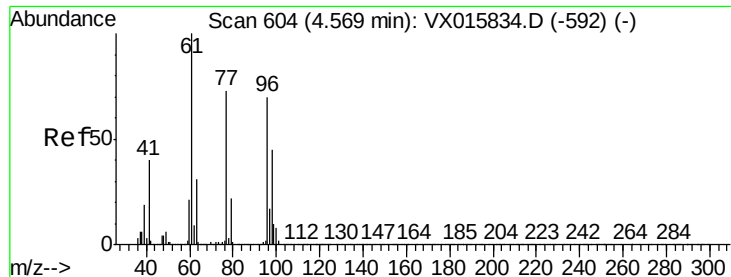
4000

2000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 26.835 ug/l

RT: 4.57 min Scan# 604

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

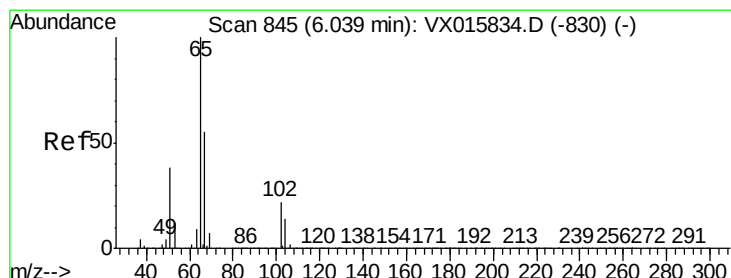
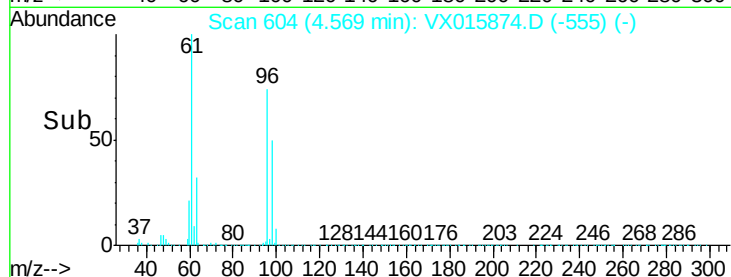
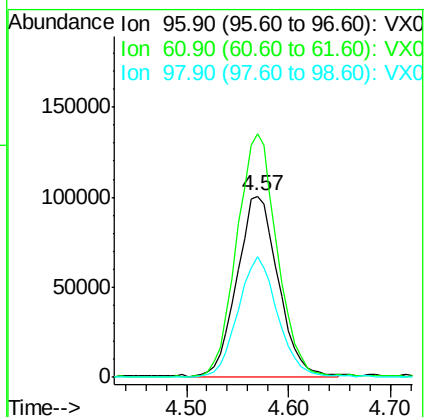
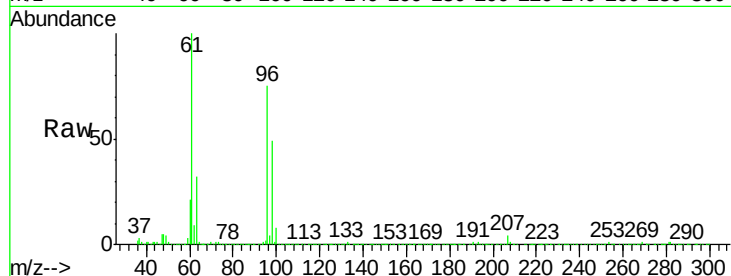
Tot Ion: 96 Resp: 279573

Ion Ratio Lower Upper

96 100

61 133.1 0.0 299.4

98 64.4 0.0 129.6



#33

1,2-Dichloroethane-d4

Concen: 48.607 ug/l

RT: 6.04 min Scan# 845

Delta R.T. 0.00 min

Lab File: VX015874.D

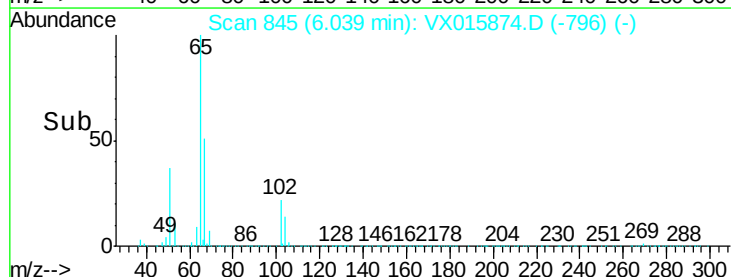
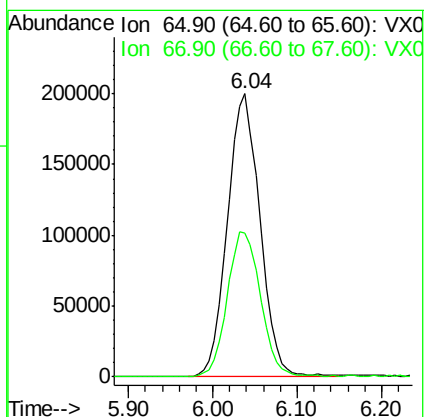
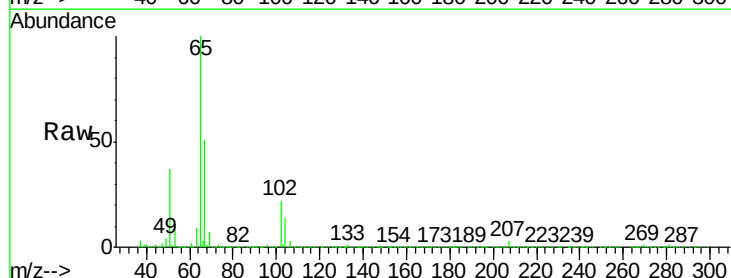
Acq: 23 Apr 2020 05:06

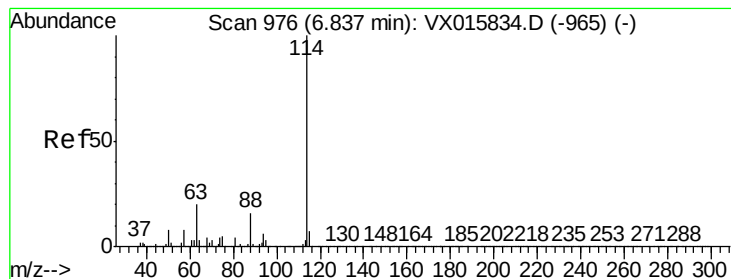
Tgt Ion: 65 Resp: 522048

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 976

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

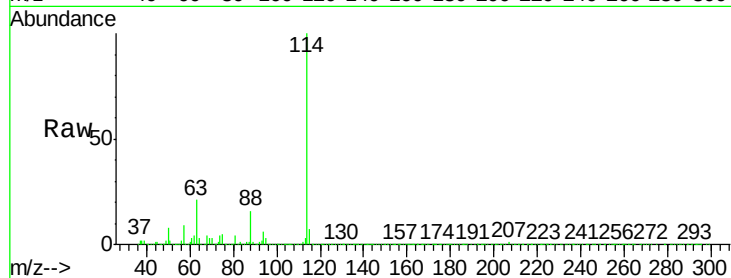
Tot Ion:114 Resp: 1460880

Ion Ratio Lower Upper

114 100

63 20.9 0.0 40.6

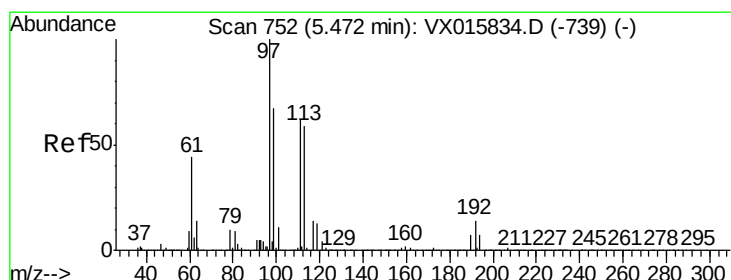
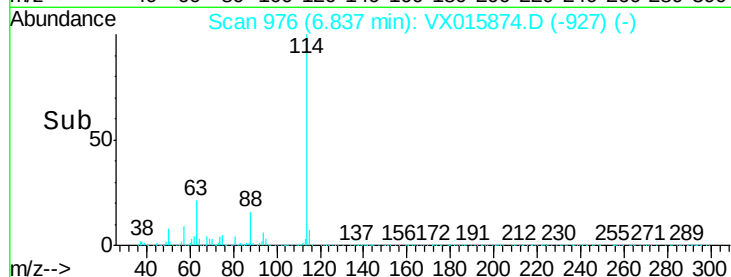
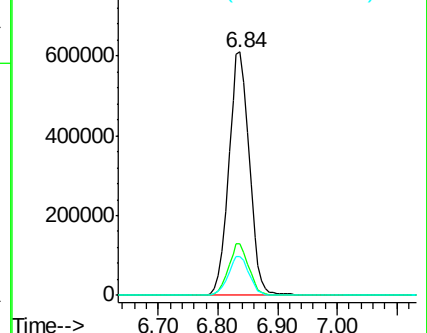
88 16.1 0.0 32.8



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: 50.092 ug/l

RT: 5.47 min Scan# 752

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

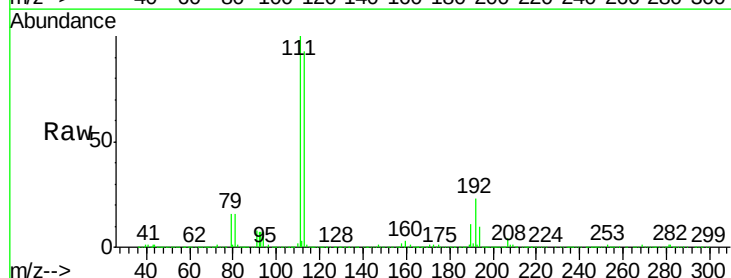
Tgt Ion:113 Resp: 422401

Ion Ratio Lower Upper

113 100

111 102.5 82.7 124.1

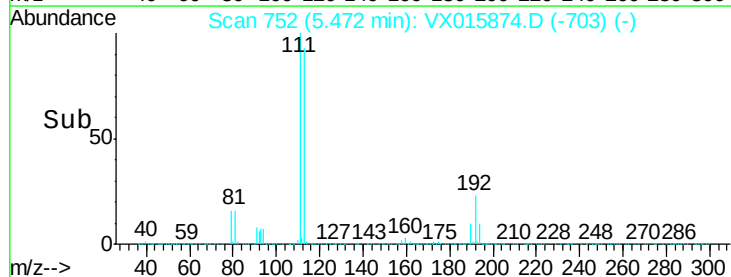
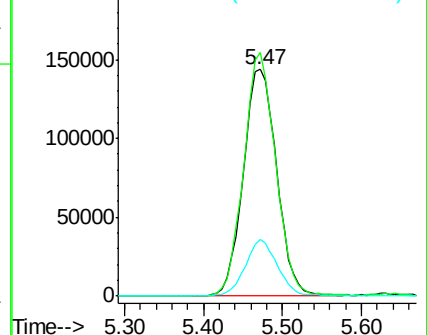
192 23.7 19.3 28.9

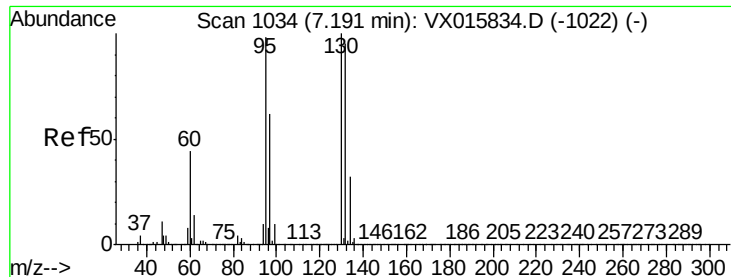


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#44

Trichloroethene

Concen: 10.134 ug/l

RT: 7.20 min Scan# 1035

Delta R.T. 0.01 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

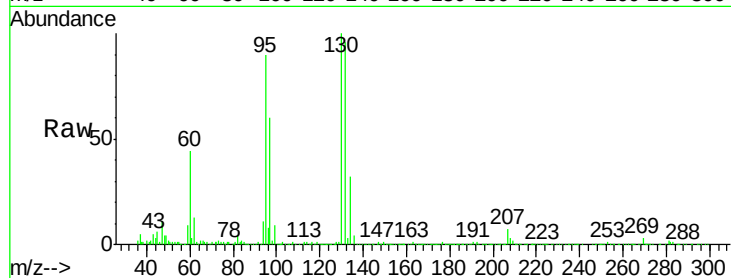
Z3-DUP-0546-200420

Tot Ion:130 Resp: 138921

Ion Ratio Lower Upper

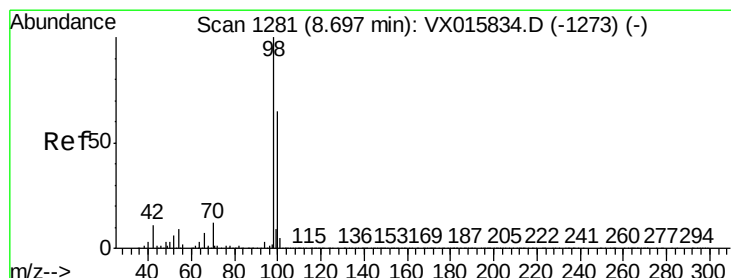
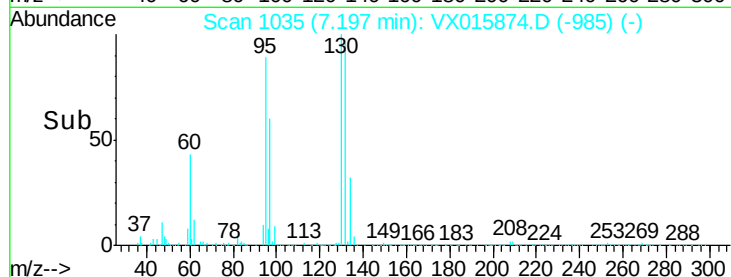
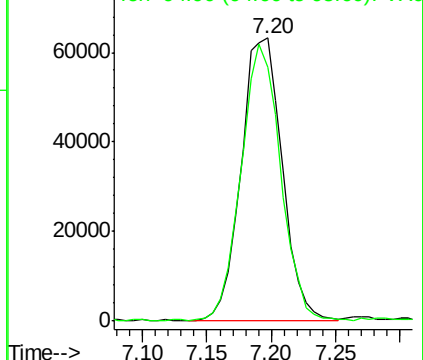
130 100

95 89.7 0.0 195.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.083 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015874.D

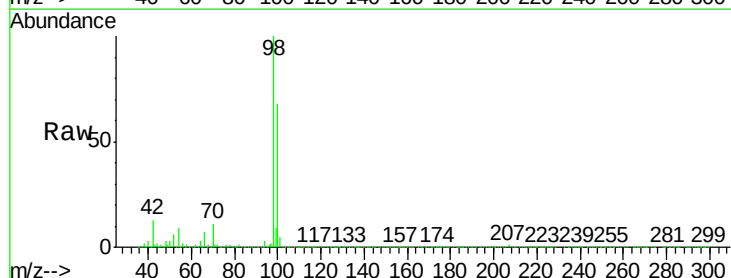
Acq: 23 Apr 2020 05:06

Tgt Ion: 98 Resp: 1768017

Ion Ratio Lower Upper

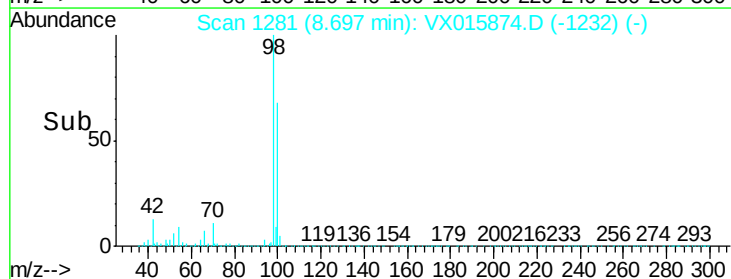
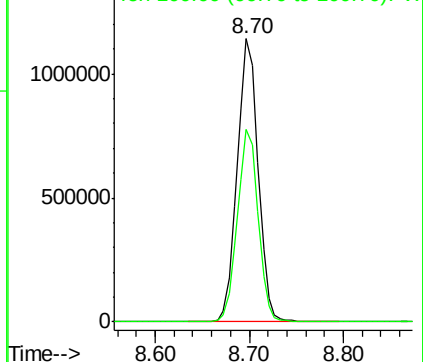
98 100

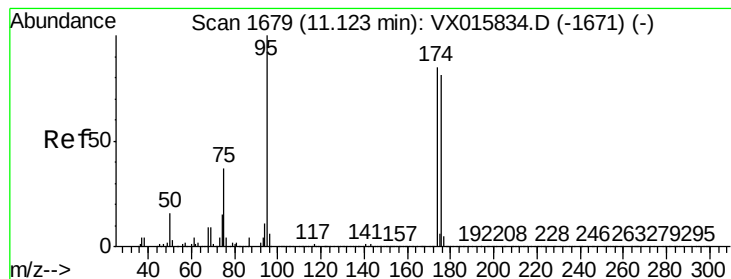
100 67.4 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#62

4-Bromofluorobenzene

Concen: 54.670 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

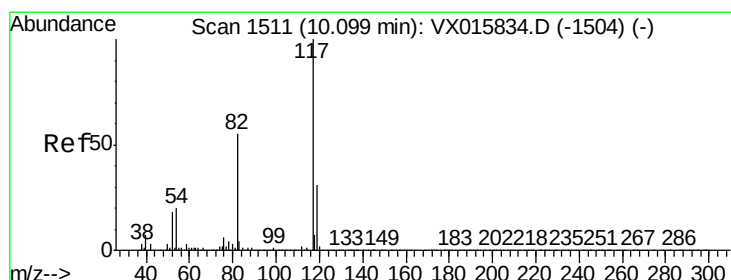
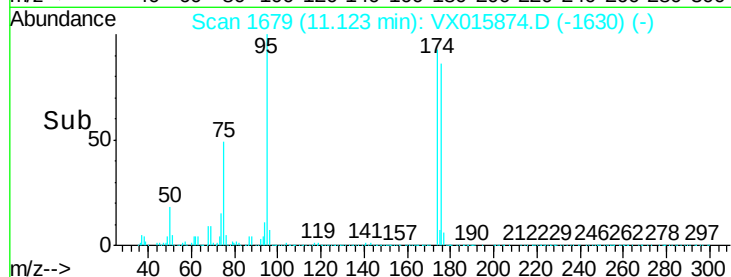
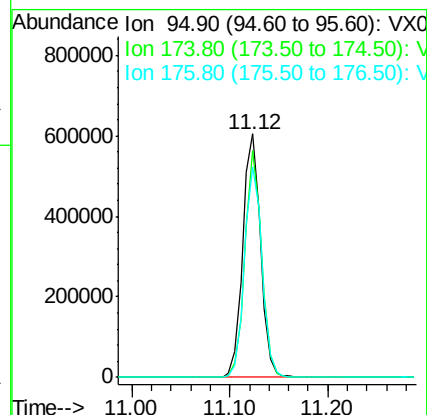
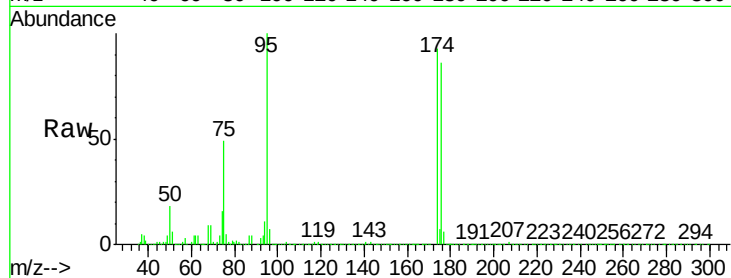
Tot Ion: 95 Resp: 761316

Ion Ratio Lower Upper

95 100

174 87.5 0.0 172.4

176 85.5 0.0 167.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1511

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

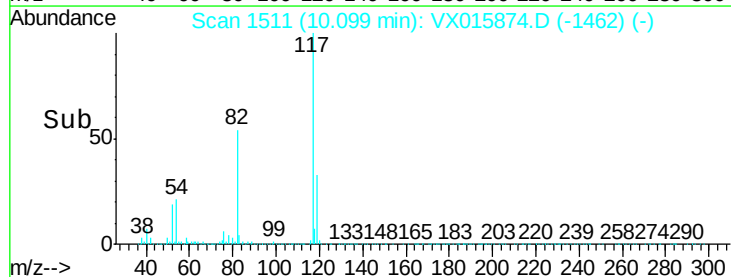
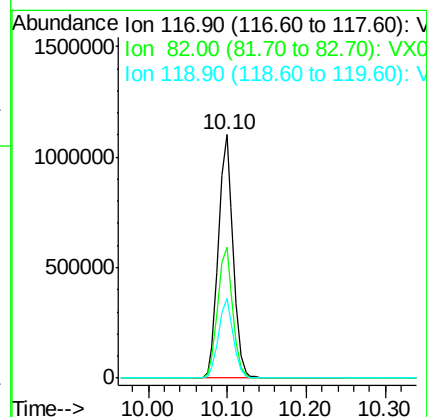
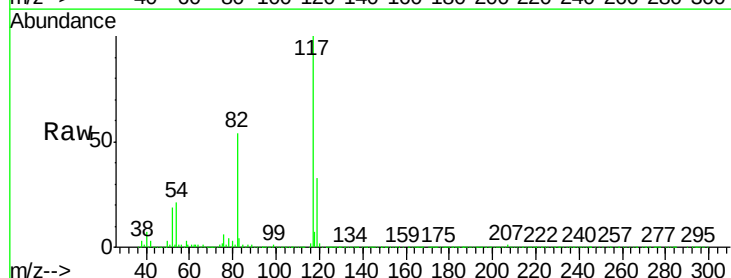
Tgt Ion: 117 Resp: 1445080

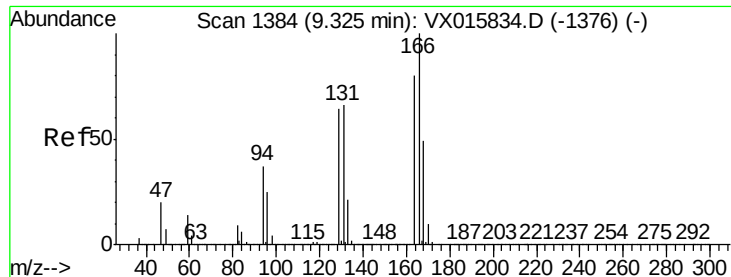
Ion Ratio Lower Upper

117 100

82 53.6 43.9 65.9

119 32.7 25.1 37.7





#64

Tetrachloroethene

Concen: 20.429 ug/l

RT: 9.32 min Scan# 1383

Delta R.T. -0.01 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

Tot Ion:164 Resp: 397925

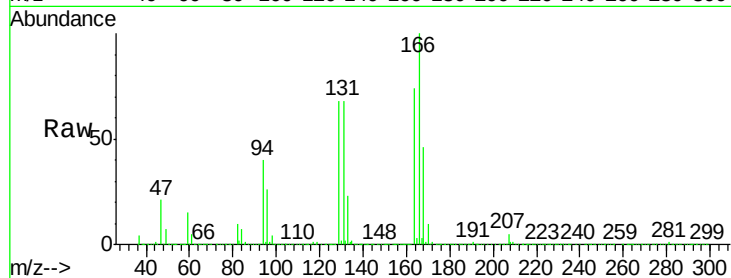
Ion Ratio Lower Upper

164 100

166 135.5 100.2 150.2

129 92.7 64.5 96.7

131 92.1 65.9 98.9

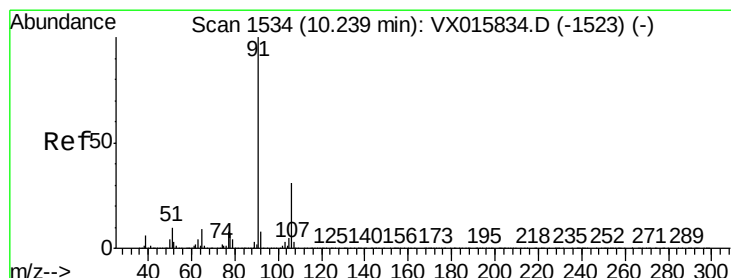
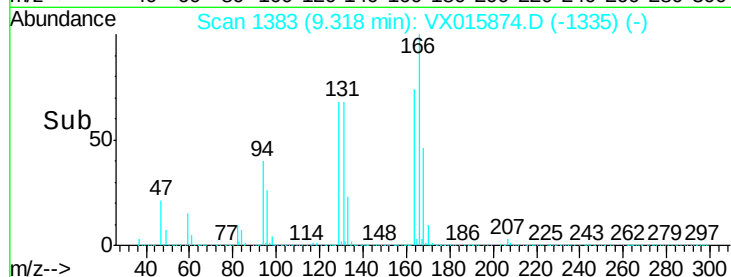
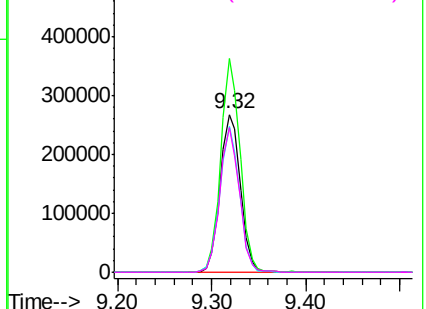


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#67

Ethyl Benzene

Concen: 2.067 ug/l

RT: 10.24 min Scan# 1534

Delta R.T. 0.00 min

Lab File: VX015874.D

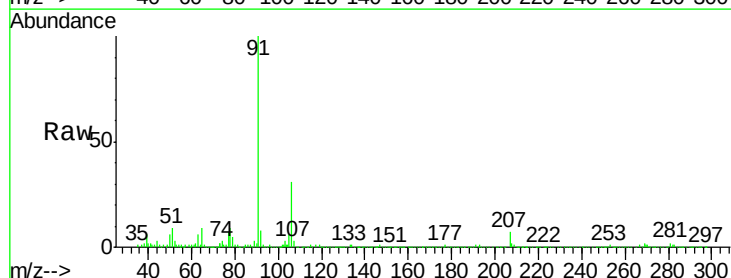
Acq: 23 Apr 2020 05:06

Tgt Ion: 91 Resp: 104891

Ion Ratio Lower Upper

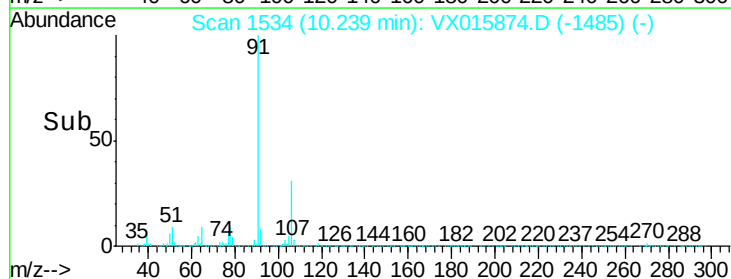
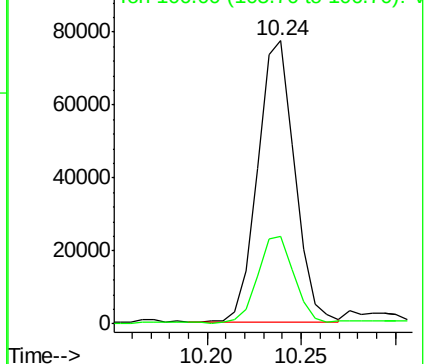
91 100

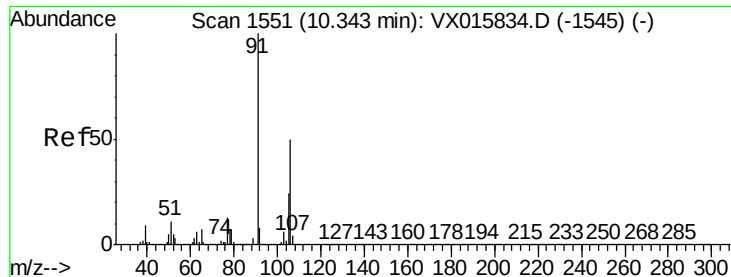
106 30.2 25.0 37.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V





#68

m/p-Xylenes

Concen: 0.850 ug/l

RT: 10.34 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

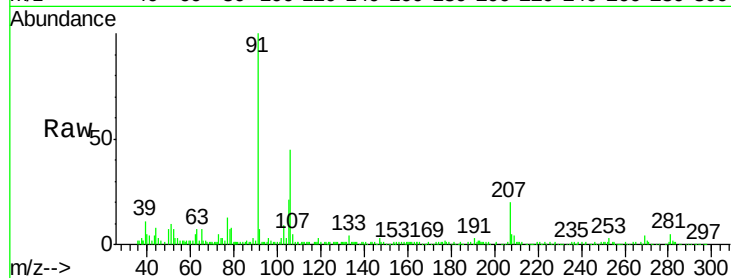
Z3-DUP-0546-200420

Tot Ion:106 Resp: 16190

Ion Ratio Lower Upper

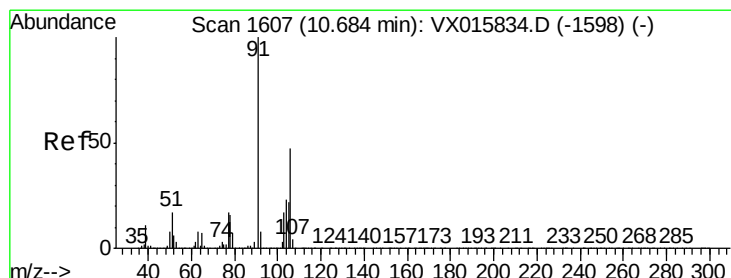
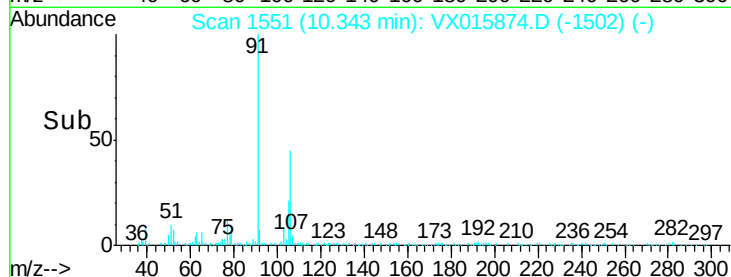
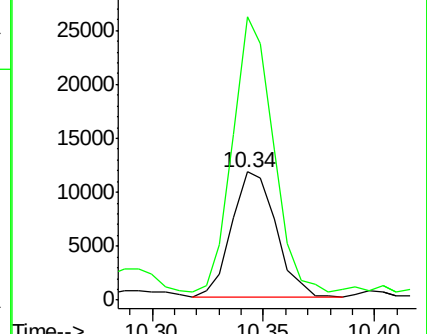
106 100

91 199.5 161.1 241.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 0.467 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015874.D

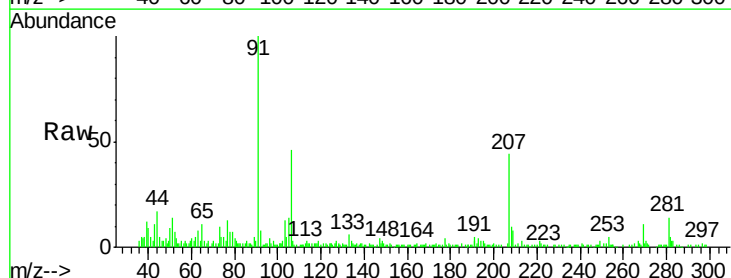
Acq: 23 Apr 2020 05:06

Tgt Ion:106 Resp: 8745

Ion Ratio Lower Upper

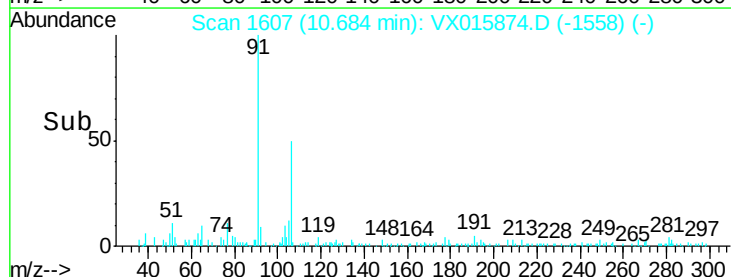
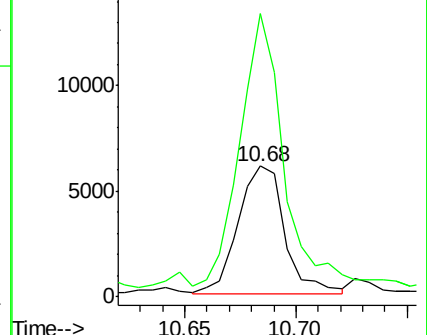
106 100

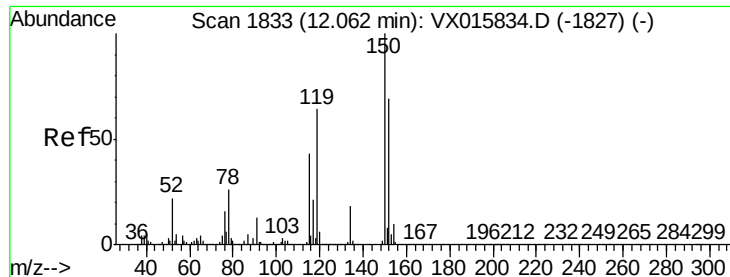
91 203.8 107.1 321.3



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: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

Z3-DUP-0546-200420

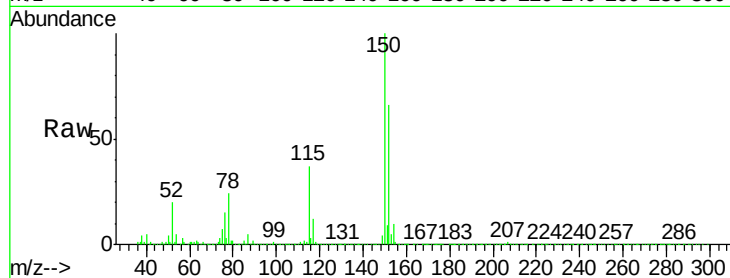
Tot Ion:152 Resp: 815193

Ion Ratio Lower Upper

152 100

115 56.1 39.0 116.9

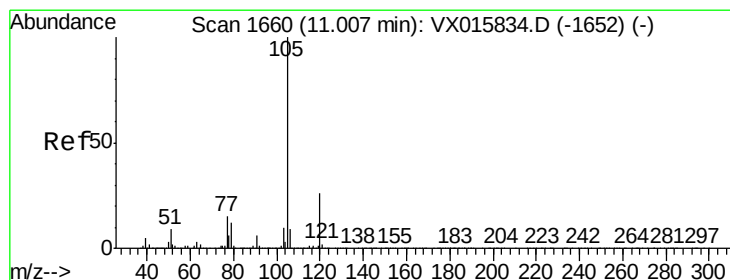
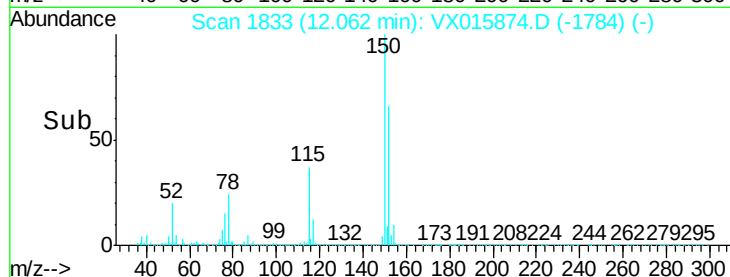
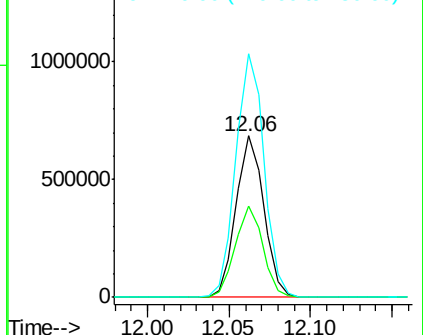
150 153.7 0.0 336.8



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



#73

Isopropylbenzene

Concen: 1.063 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015874.D

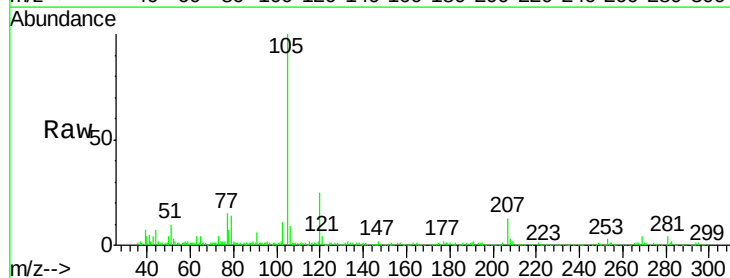
Acq: 23 Apr 2020 05:06

Tgt Ion:105 Resp: 55016

Ion Ratio Lower Upper

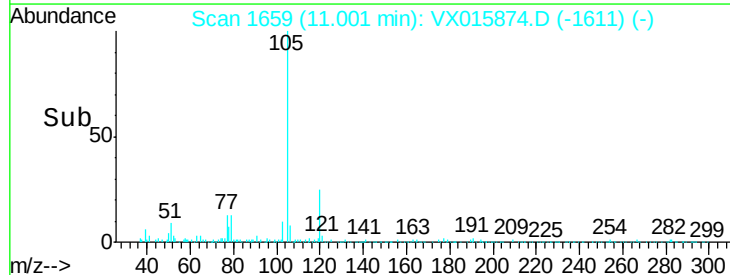
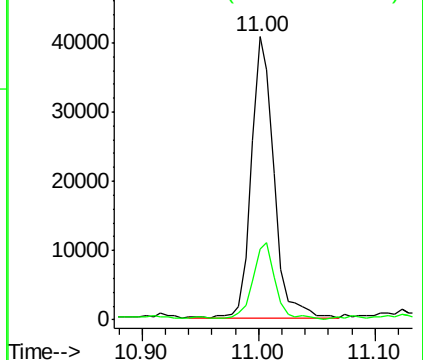
105 100

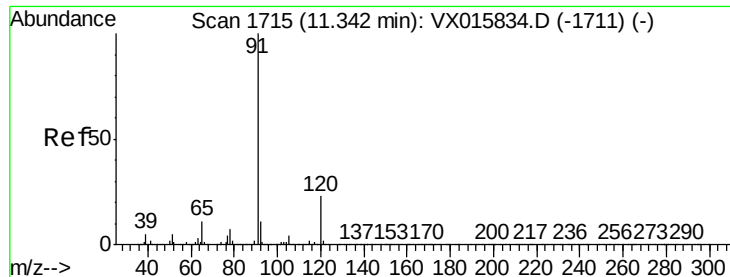
120 26.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 1.671 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

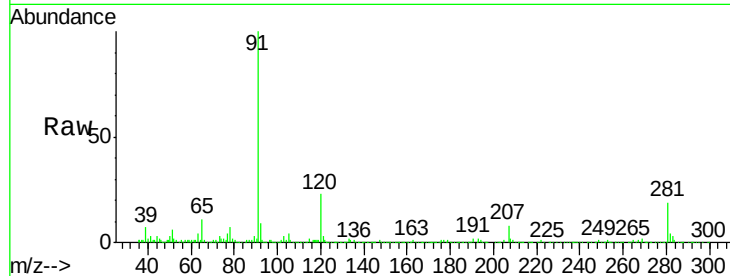
Z3-DUP-0546-200420

Tot Ion: 91 Resp: 99086

Ion Ratio Lower Upper

91 100

120 23.7 11.7 35.1



Abundance Ion 91.00 (90.70 to 91.70): VX015834.D (-1711) (-)

Ion 120.00 (119.70 to 120.70): VX015834.D (-1711) (-)

11.34

80000

60000

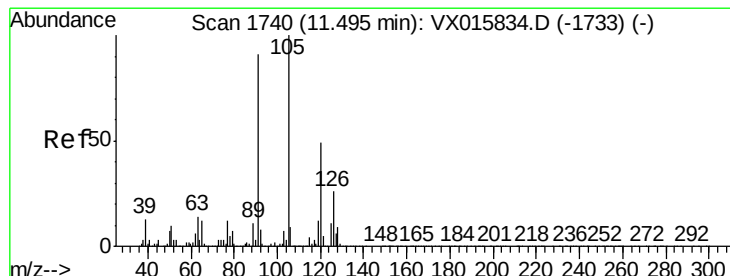
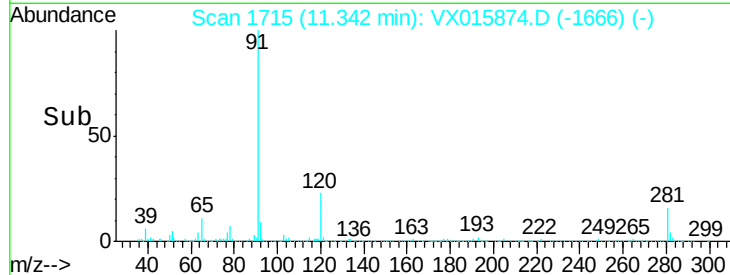
40000

20000

0

11.30 11.35 11.40

Time-->



#80

1,3,5-Trimethylbenzene

Concen: 0.707 ug/l

RT: 11.49 min Scan# 1739

Delta R.T. -0.01 min

Lab File: VX015874.D

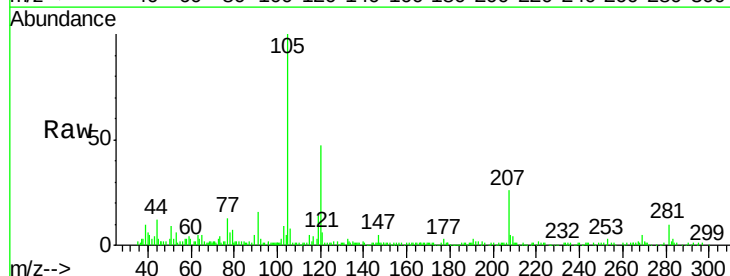
Acq: 23 Apr 2020 05:06

Tgt Ion: 105 Resp: 31229

Ion Ratio Lower Upper

105 100

120 46.4 24.9 74.7



Abundance Ion 105.00 (104.70 to 105.70): VX015834.D (-1733) (-)

Ion 120.00 (119.70 to 120.70): VX015834.D (-1733) (-)

11.49

25000

20000

15000

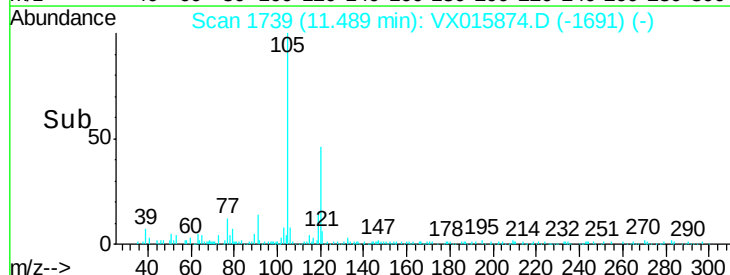
10000

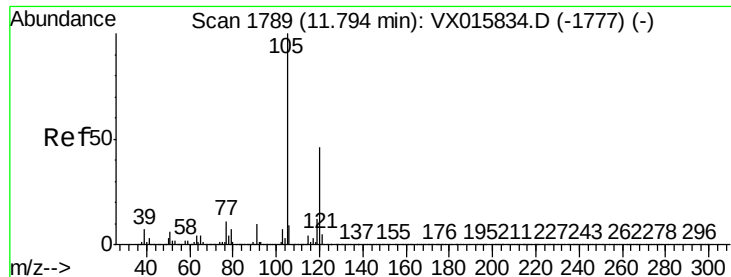
5000

0

11.45 11.50 11.55

Time-->





#84

1,2,4-Trimethylbenzene

Concen: 2.750 ug/l

RT: 11.79 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

Instrument :

MSVOA_X

ClientSampleId :

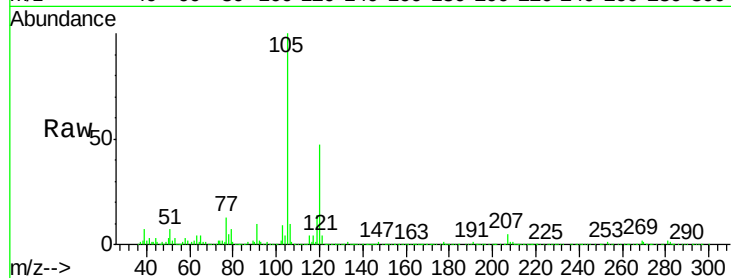
Z3-DUP-0546-200420

Tot Ion:105 Resp: 126017

Ion Ratio Lower Upper

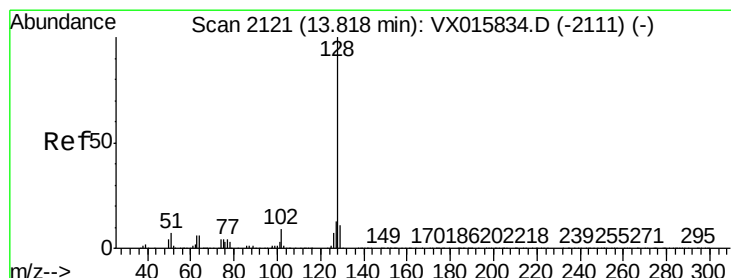
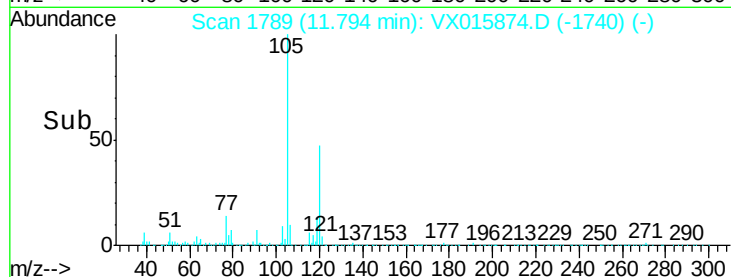
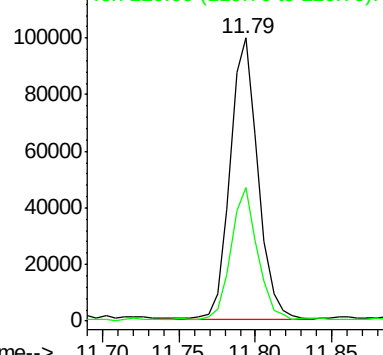
105 100

120 44.9 22.9 68.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#95

Naphthalene

Concen: 2.059 ug/l

RT: 13.82 min Scan# 2121

Delta R.T. 0.00 min

Lab File: VX015874.D

Acq: 23 Apr 2020 05:06

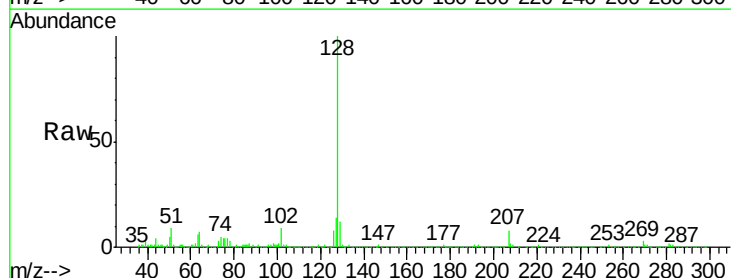
Tgt Ion:128 Resp: 114928

Ion Ratio Lower Upper

128 100

127 14.9 10.5 15.7

129 10.8 8.5 12.7



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

