

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010620\
 Data File : VX014437.D
 Acq On : 06 Jan 2020 19:02
 Operator : JC/SP
 Sample : K6476-01DL 10X
 Misc : 6.96g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14DL

Quant Time: Jan 07 06:18:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 17 03:01:07 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	562375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	851671	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	771900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	386634	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	297019	46.60	ug/l	0.00
Spiked Amount			Recovery	=	93.20%	
35) Dibromofluoromethane	5.49	113	248638	48.03	ug/l	0.00
Spiked Amount			Recovery	=	96.06%	
50) Toluene-d8	8.71	98	1014521	50.33	ug/l	0.00
Spiked Amount			Recovery	=	100.66%	
62) 4-Bromofluorobenzene	11.13	95	365068	49.55	ug/l	0.00
Spiked Amount			Recovery	=	99.10%	

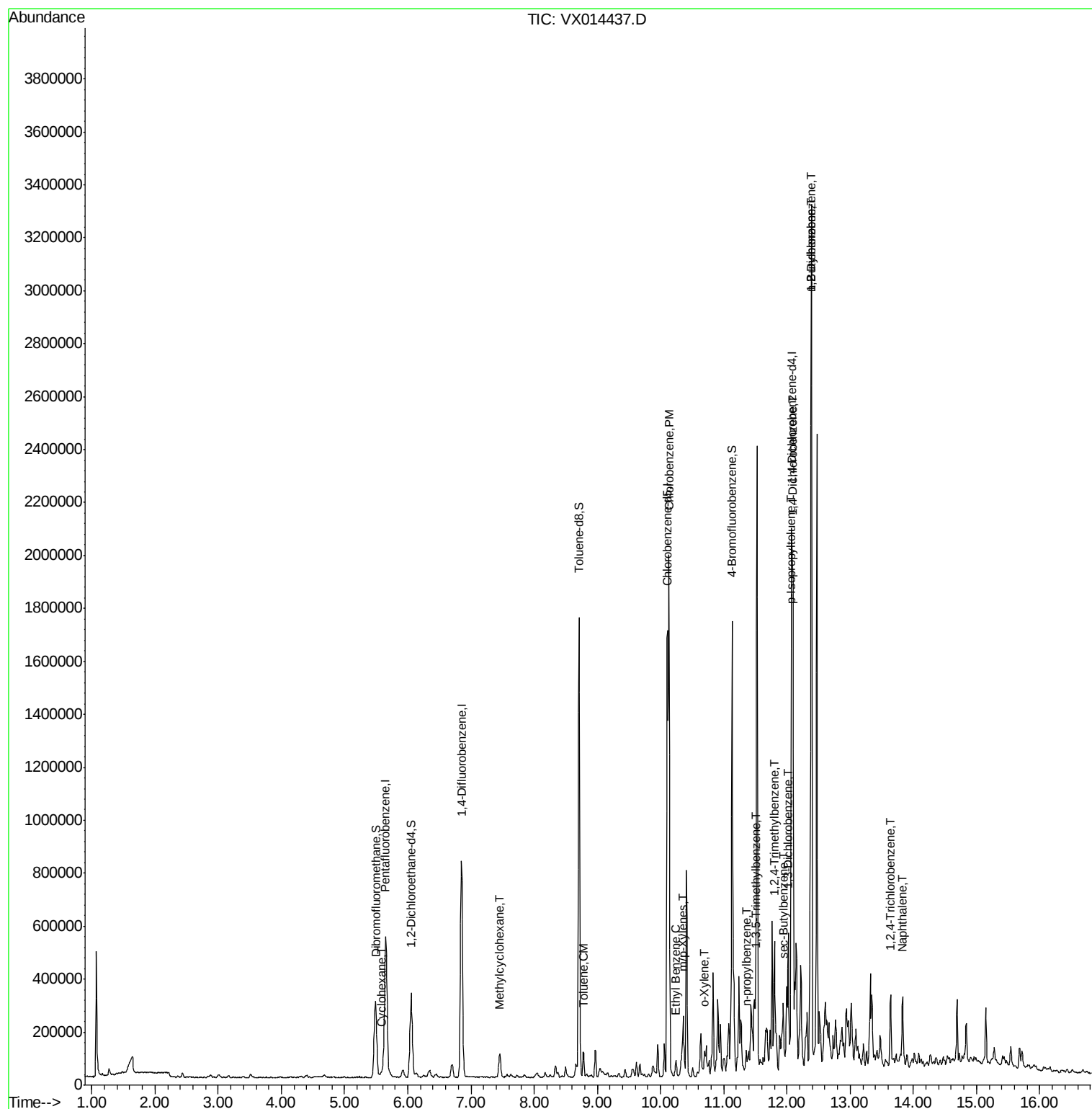
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	5.58	56	10448	1.097	ug/l #	92
39) Methylcyclohexane	7.46	83	41935	4.346	ug/l	98
52) Toluene	8.78	92	38873	2.558	ug/l	94
65) Chlorobenzene	10.14	112	889622	54.204	ug/l	97
67) Ethyl Benzene	10.25	91	29255	1.037	ug/l	95
68) m/p-Xylenes	10.35	106	46160	4.253	ug/l	100
69) o-Xylene	10.70	106	15819	1.486	ug/l	93
78) n-propylbenzene	11.35	91	43388	1.421	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	83711	3.654	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	176559	7.695	ug/l	99
85) sec-Butylbenzene	11.94	105	27816	1.057	ug/l	99
86) p-Isopropyltoluene	12.06	119	26152	1.086	ug/l	98
87) 1,3-Dichlorobenzene	12.02	146	110528	8.420	ug/l	93
88) 1,4-Dichlorobenzene	12.09	146	468179	35.077	ug/l	99
89) n-Butylbenzene	12.38	91	50493	2.458	ug/l #	48
91) 1,2-Dichlorobenzene	12.39	146	1000915	75.746	ug/l	100
93) 1,2,4-Trichlorobenzene	13.64	180	53886	6.274	ug/l	93
95) Naphthalene	13.83	128	164889	6.534	ug/l	99

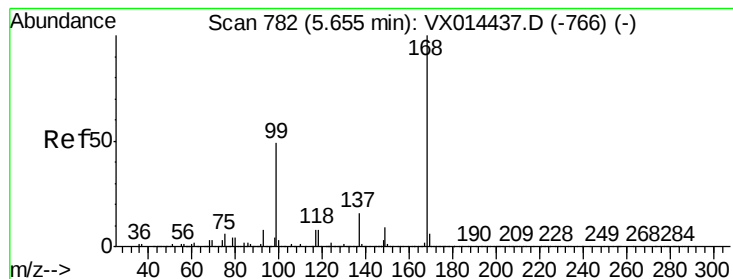
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010620\
Data File : VX014437.D
Acq On : 06 Jan 2020 19:02
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Sample : K6476-01DL 10X
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WP022SB454_191227-12-14DL

Quant Time: Jan 07 06:18:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 17 03:01:07 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

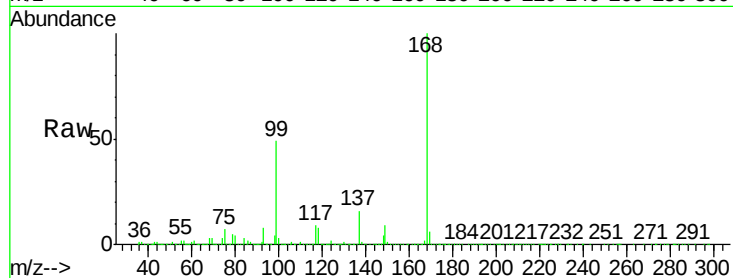
WP022SB454_191227-12-14DL

Tot Ion:168 Resp: 562375

Ion Ratio Lower Upper

168 100

99 48.7 40.3 60.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

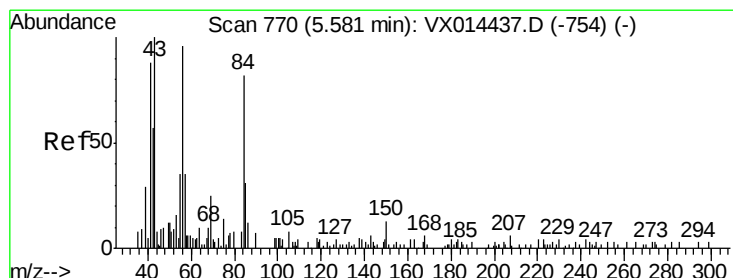
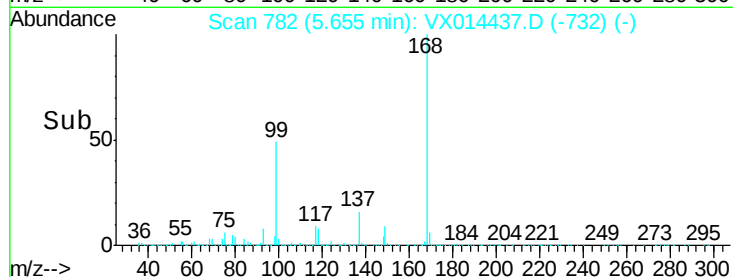
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 1.097 ug/l

RT: 5.58 min Scan# 770

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

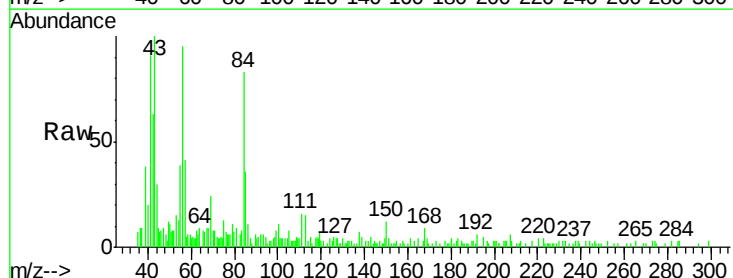
Tgt Ion: 56 Resp: 10448

Ion Ratio Lower Upper

56 100

69 13.7 23.2 34.8#

84 85.7 69.2 103.8



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

8000

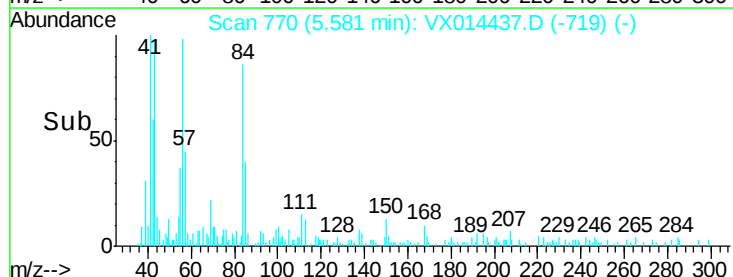
6000

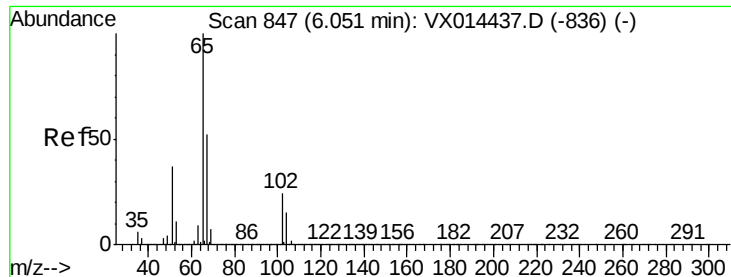
4000

2000

0

Time-->





#33

1,2-Dichloroethane-d4

Concen: 46.600 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

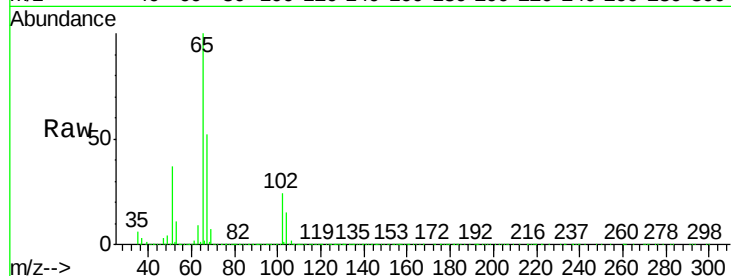
WP022SB454_191227-12-14DL

Tot Ion: 65 Resp: 297019

Ion Ratio Lower Upper

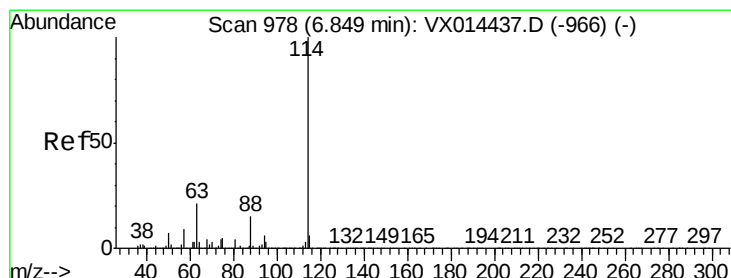
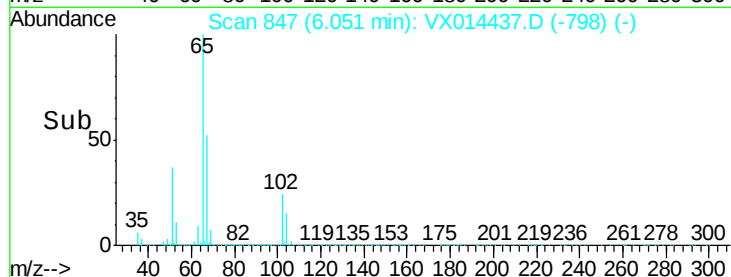
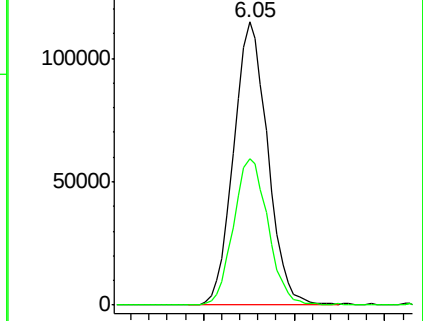
65 100

67 52.4 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

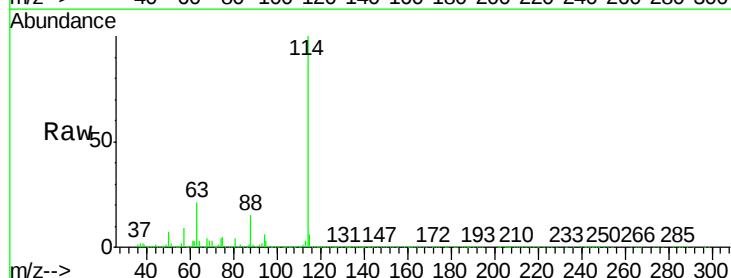
Tgt Ion: 114 Resp: 851671

Ion Ratio Lower Upper

114 100

63 20.7 0.0 40.8

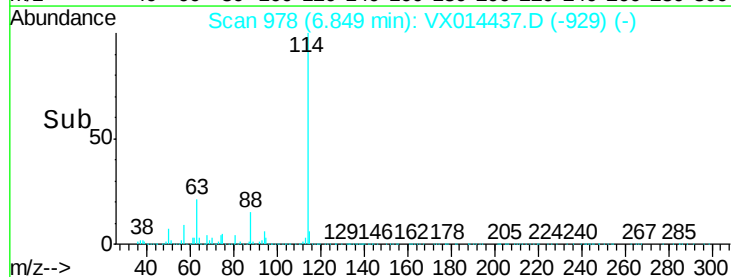
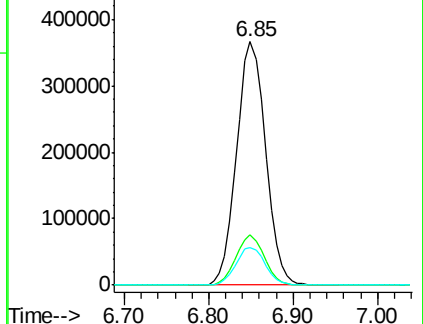
88 15.3 0.0 30.4

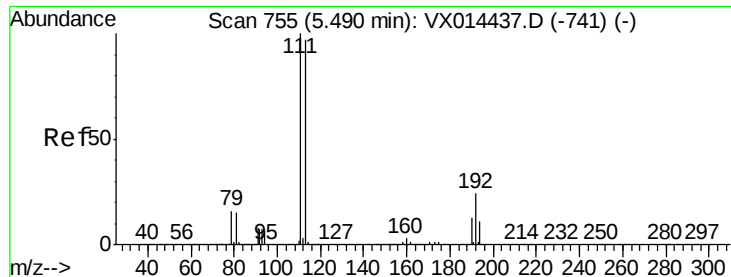


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 48.025 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14DL

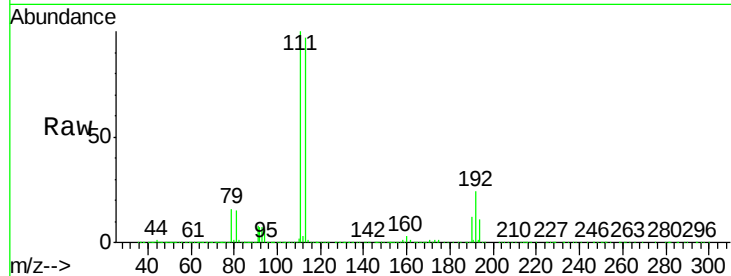
Tot Ion:113 Resp: 248638

Ion Ratio Lower Upper

113 100

111 102.9 82.0 123.0

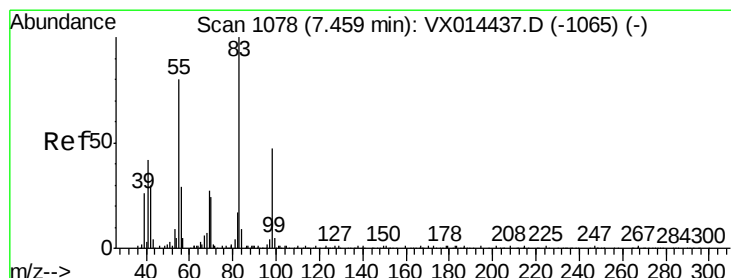
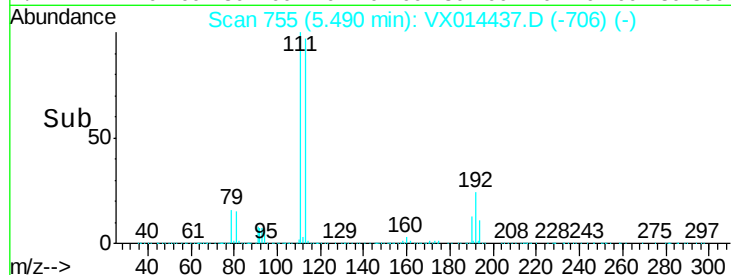
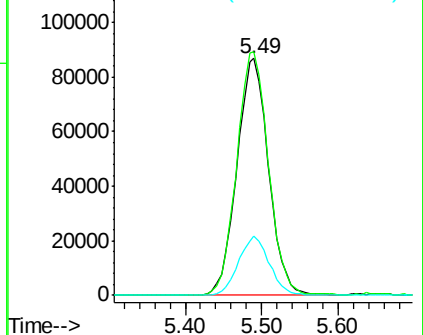
192 24.2 19.3 28.9



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



#39

Methylcyclohexane

Concen: 4.346 ug/l

RT: 7.46 min Scan# 1078

Delta R.T. 0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

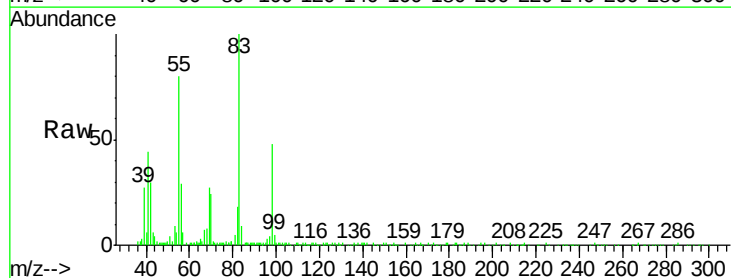
Tgt Ion: 83 Resp: 41935

Ion Ratio Lower Upper

83 100

55 79.1 61.0 91.6

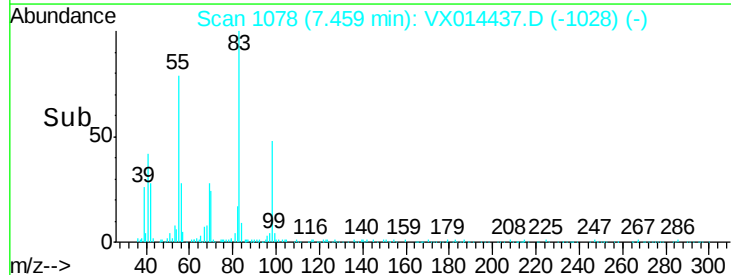
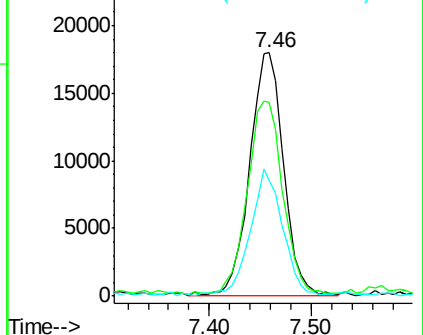
98 47.3 38.6 57.8

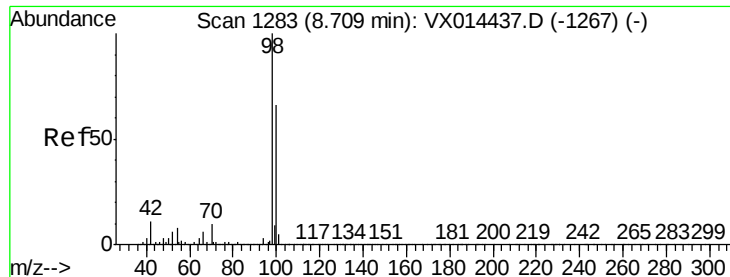


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#50

Toluene-d8

Concen: 50.333 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

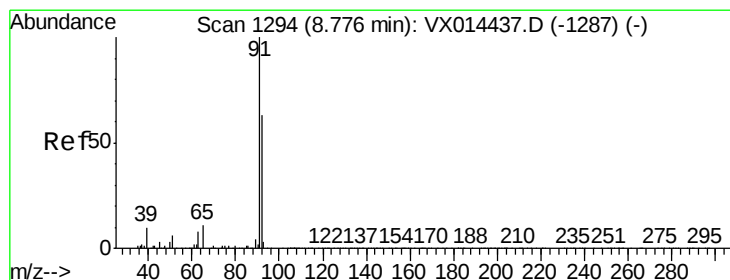
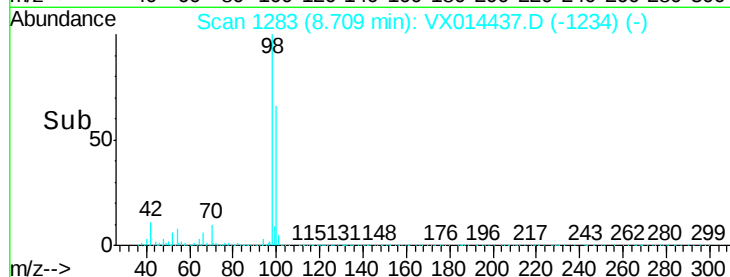
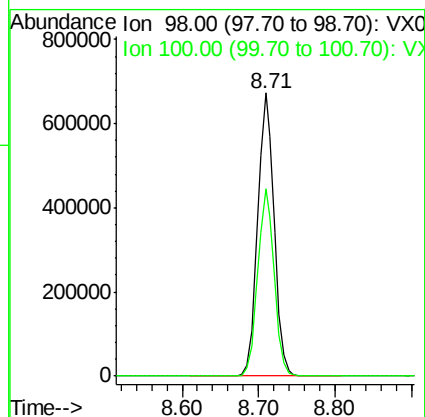
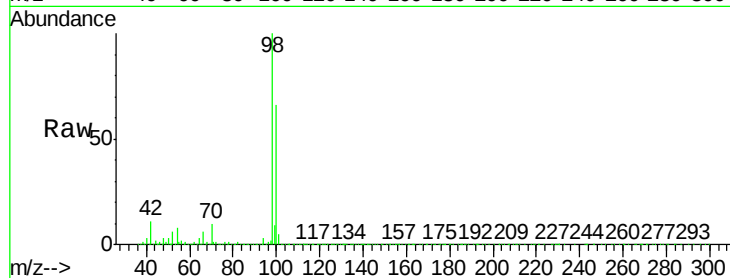
WP022SB454_191227-12-14DL

Tot Ion: 98 Resp: 1014521

Ion Ratio Lower Upper

98 100

100 65.5 52.9 79.3



#52

Toluene

Concen: 2.558 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014437.D

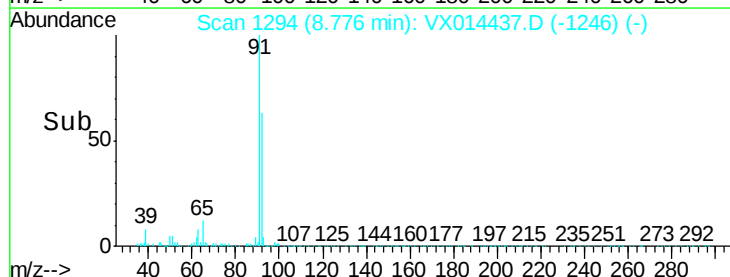
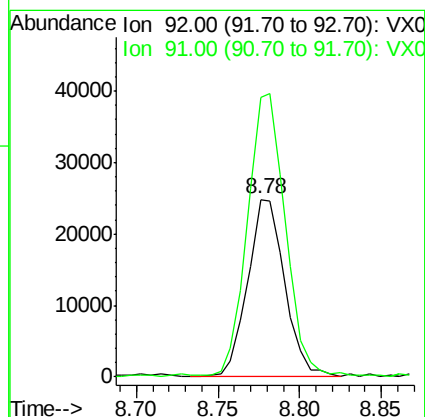
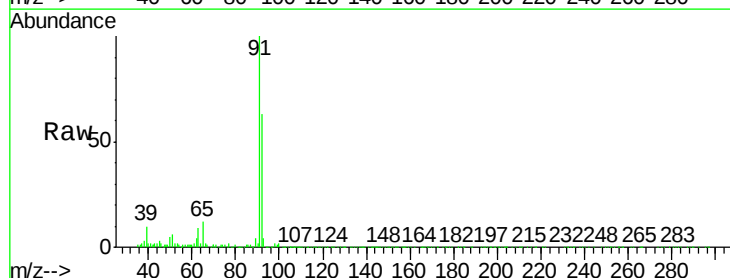
Acq: 06 Jan 2020 19:02

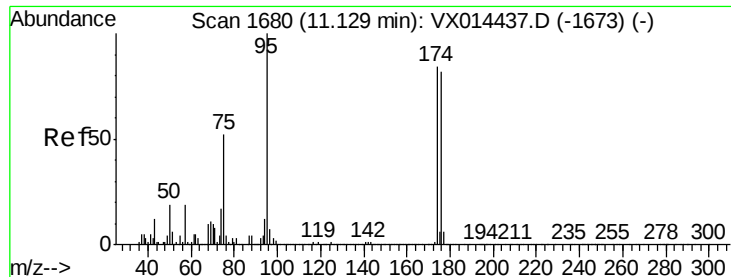
Tgt Ion: 92 Resp: 38873

Ion Ratio Lower Upper

92 100

91 162.7 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 49.548 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14DL

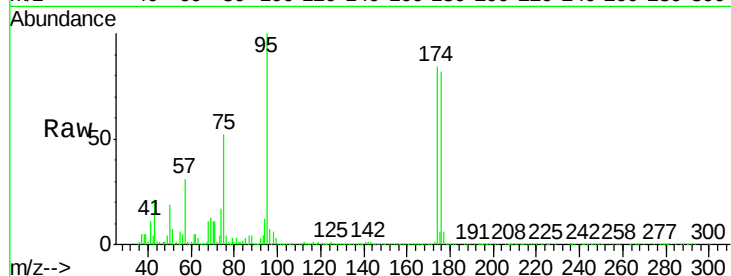
Tot Ion: 95 Resp: 365068

Ion Ratio Lower Upper

95 100

174 89.8 0.0 175.8

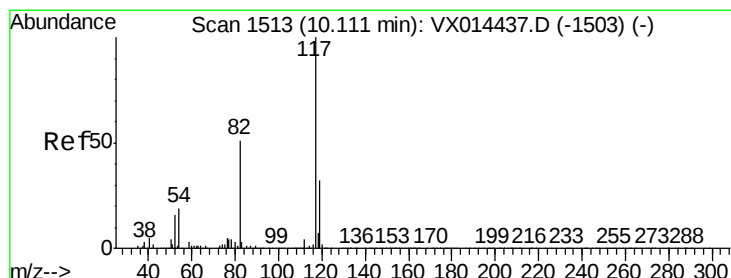
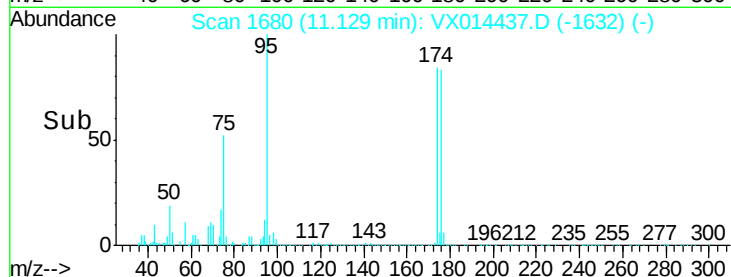
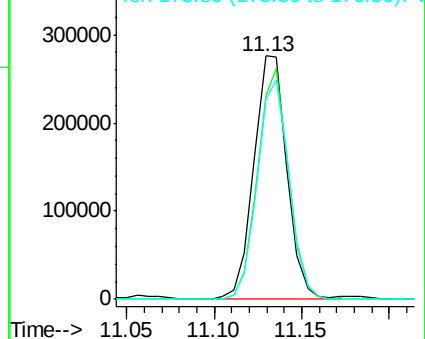
176 86.8 0.0 173.0



Abundance Ion 94.90 (94.60 to 95.60): VX014437.D (-1673) (-)

Ion 173.80 (173.50 to 174.50): VX014437.D (-1673) (-)

Ion 175.80 (175.50 to 176.50): VX014437.D (-1673) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

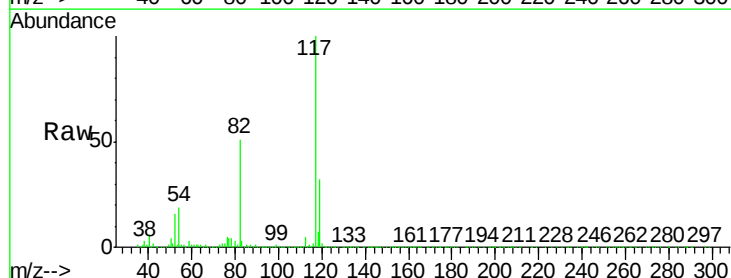
Tgt Ion: 117 Resp: 771900

Ion Ratio Lower Upper

117 100

82 51.3 42.2 63.4

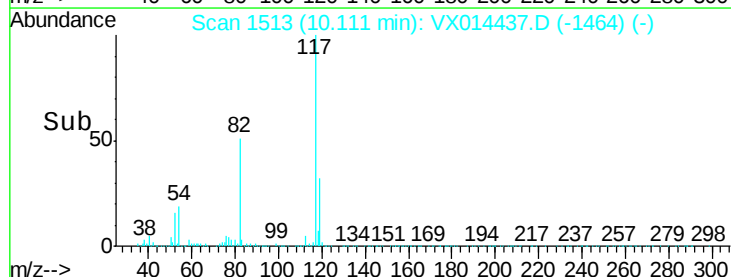
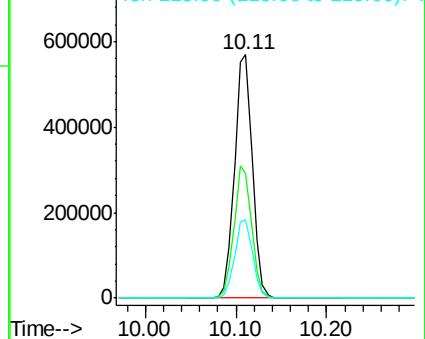
119 32.4 25.1 37.7

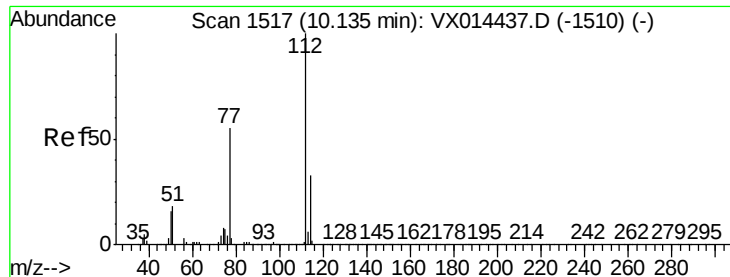


Abundance Ion 116.90 (116.60 to 117.60): VX014437.D (-1503) (-)

Ion 82.00 (81.70 to 82.70): VX014437.D (-1503) (-)

Ion 118.90 (118.60 to 119.60): VX014437.D (-1503) (-)





#65

Chlorobenzene

Concen: 54.204 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

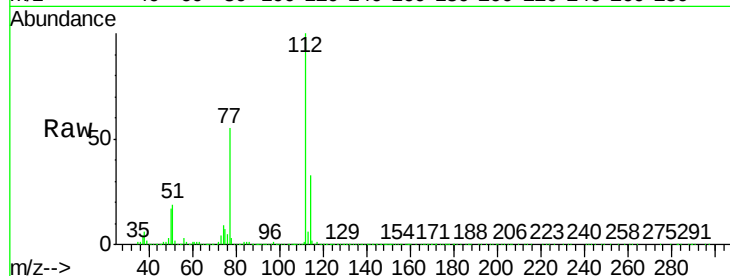
WP022SB454_191227-12-14DL

Tot Ion:112 Resp: 889622

Ion Ratio Lower Upper

112 100

114 32.7 24.9 37.3



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

10.14

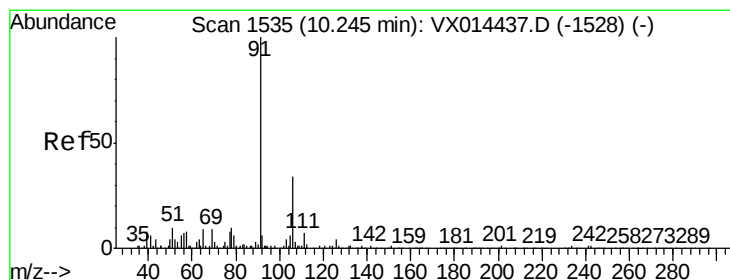
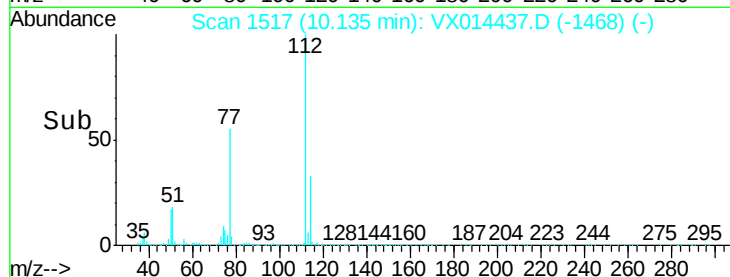
600000

400000

200000

0

Time-->



#67

Ethyl Benzene

Concen: 1.037 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014437.D

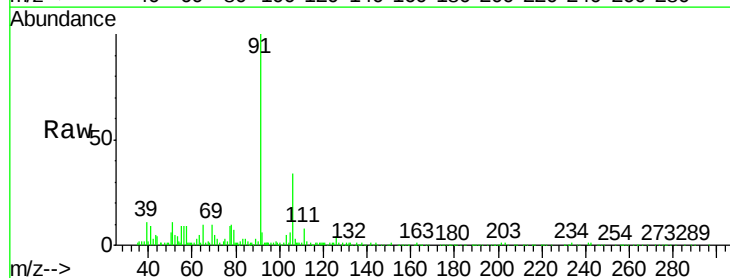
Acq: 06 Jan 2020 19:02

Tgt Ion: 91 Resp: 29255

Ion Ratio Lower Upper

91 100

106 33.9 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

10.25

40000

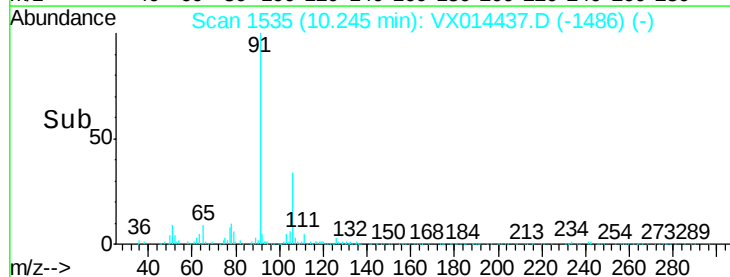
30000

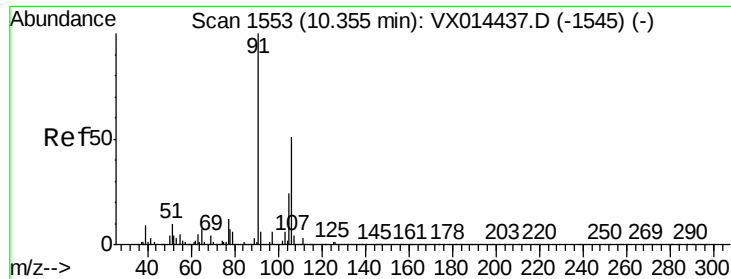
20000

10000

0

Time-->





#68

m/p-Xylenes

Concen: 4.253 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

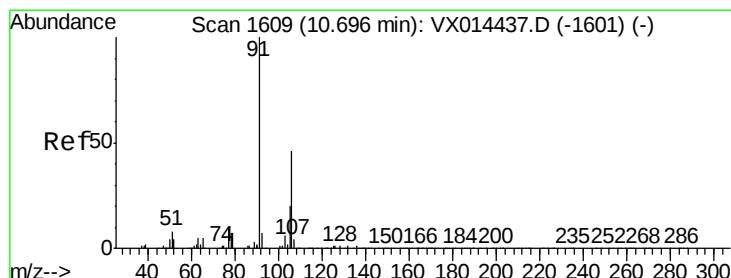
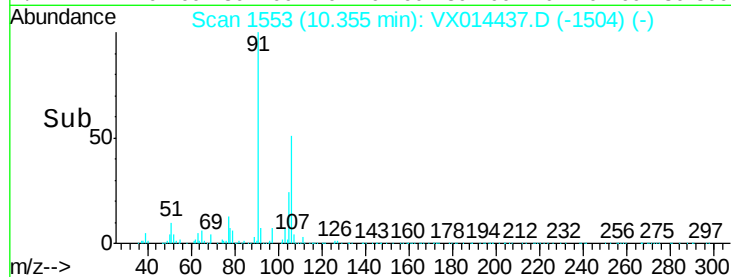
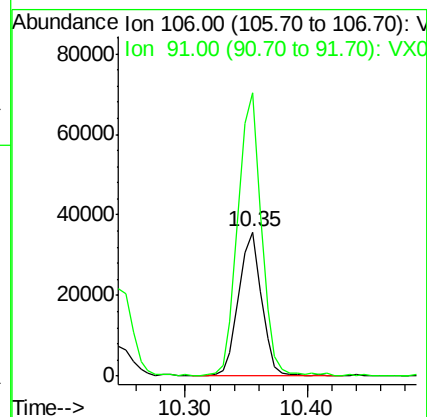
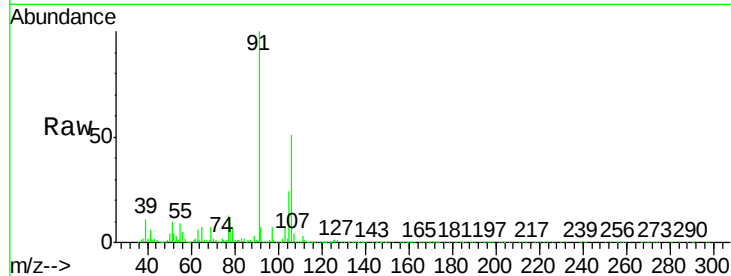
WP022SB454_191227-12-14DL

Tot Ion:106 Resp: 46160

Ion Ratio Lower Upper

106 100

91 199.0 158.6 238.0



#69

o-Xylene

Concen: 1.486 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014437.D

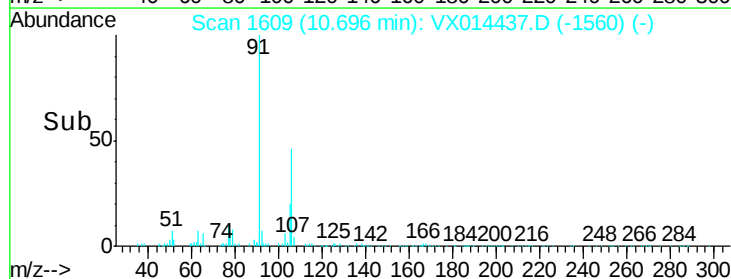
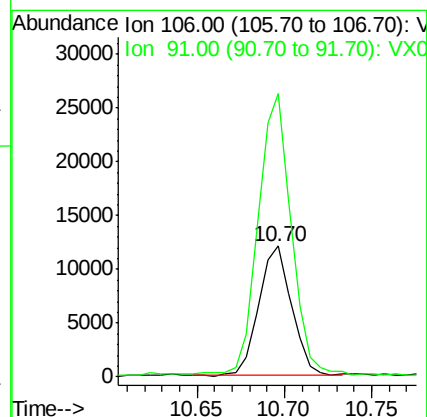
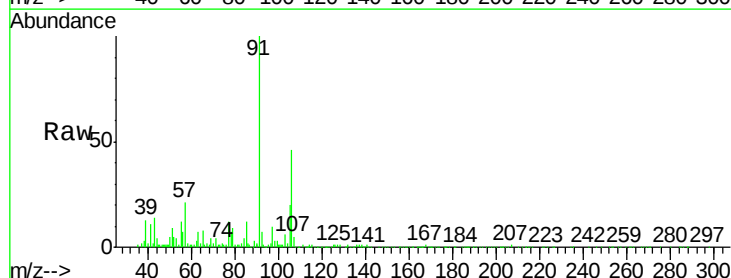
Acq: 06 Jan 2020 19:02

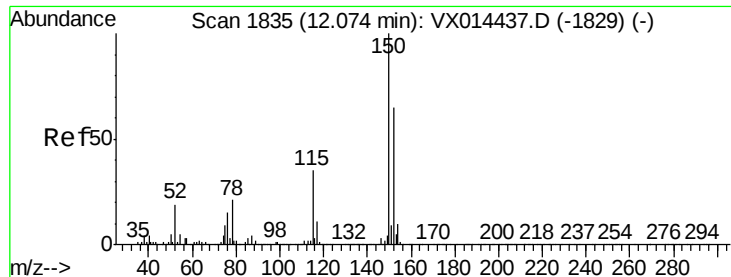
Tgt Ion:106 Resp: 15819

Ion Ratio Lower Upper

106 100

91 219.1 104.2 312.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14DL

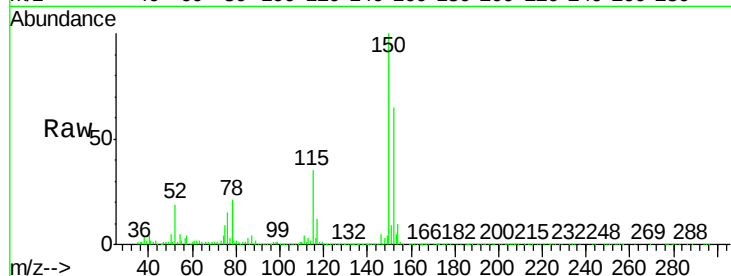
Tot Ion:152 Resp: 386634

Ion Ratio Lower Upper

152 100

115 53.9 38.3 114.9

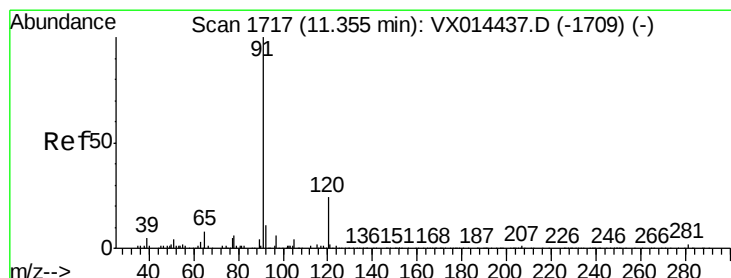
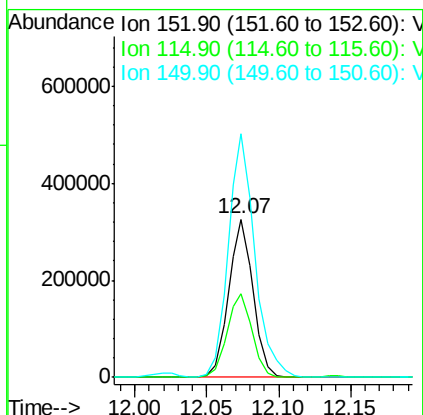
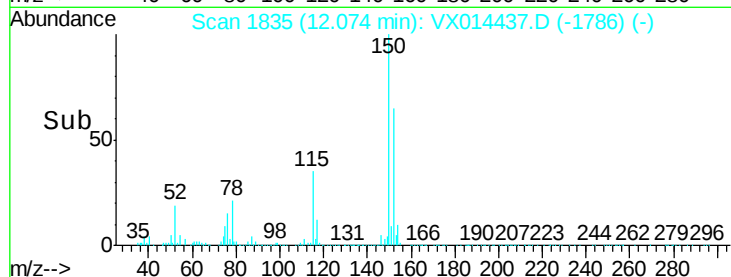
150 167.1 0.0 345.4



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



#78

n-propylbenzene

Concen: 1.421 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014437.D

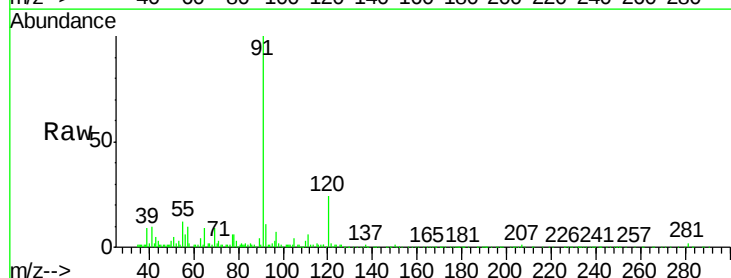
Acq: 06 Jan 2020 19:02

Tgt Ion: 91 Resp: 43388

Ion Ratio Lower Upper

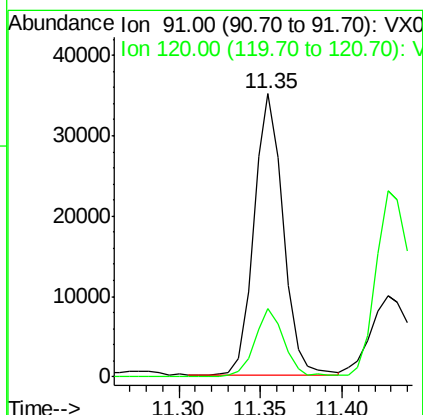
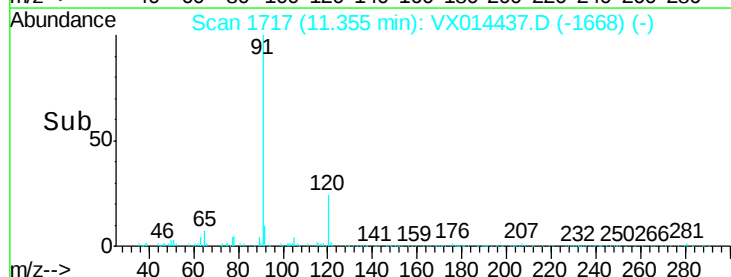
91 100

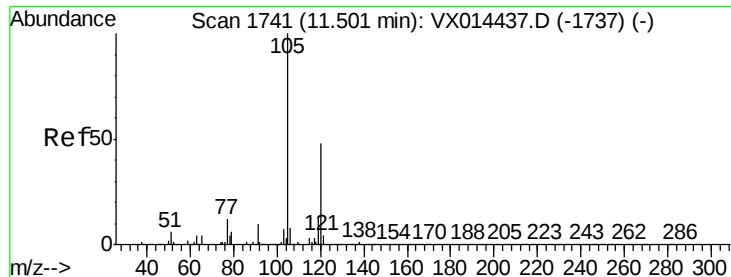
120 25.0 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

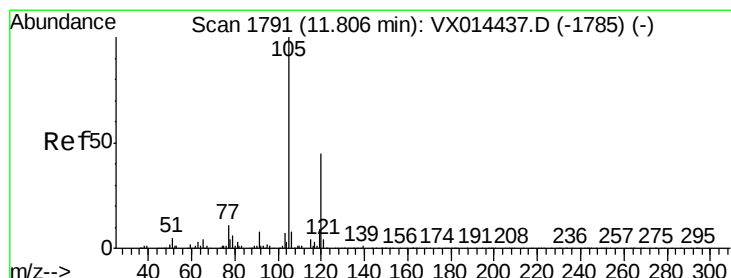
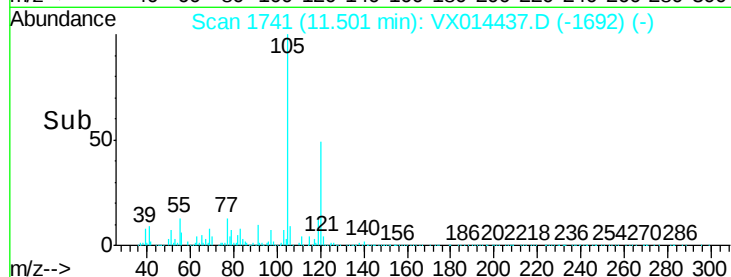
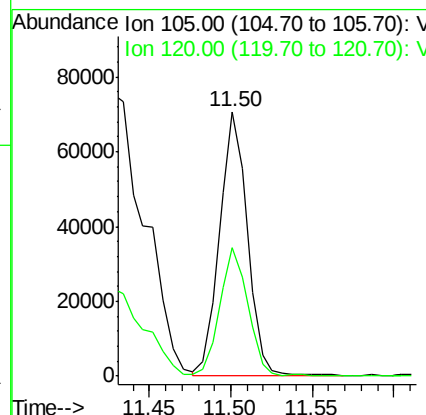
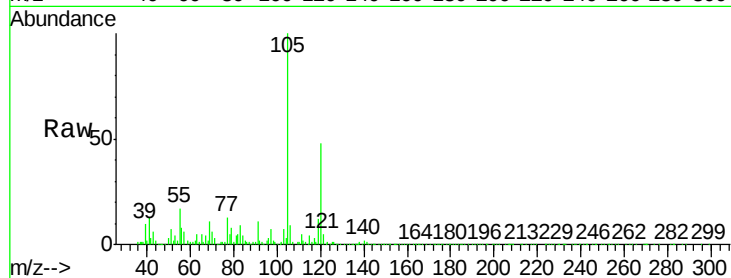




#80
 1,3,5-Trimethylbenzene
 Concen: 3.654 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

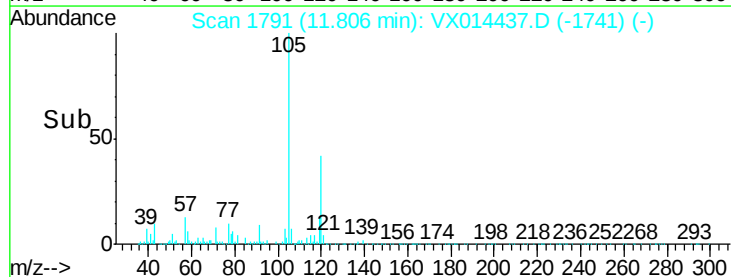
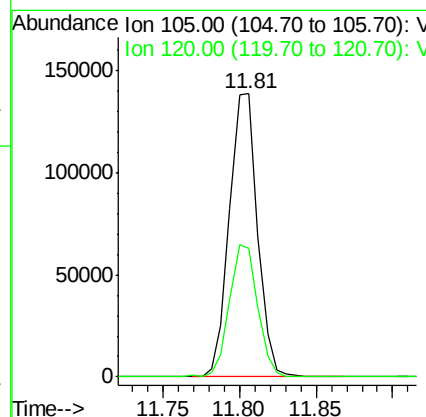
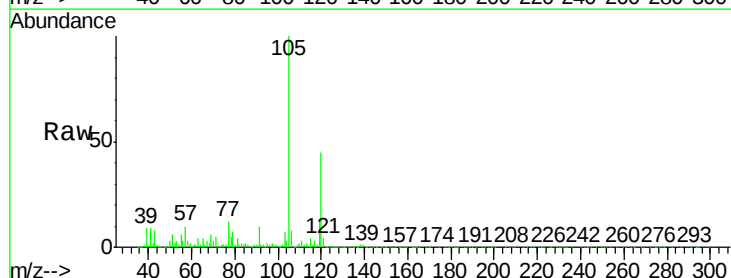
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14DL

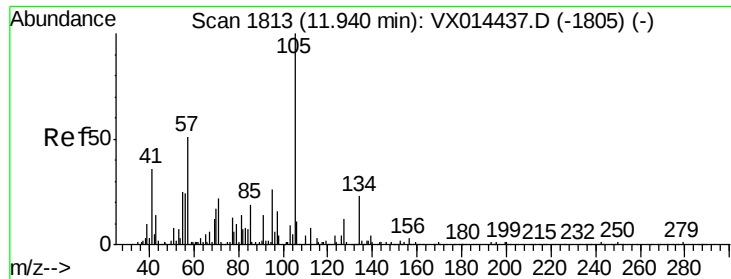
Tot Ion:105 Resp: 83711
 Ion Ratio Lower Upper
 105 100
 120 49.7 25.3 75.8



#84
 1,2,4-Trimethylbenzene
 Concen: 7.695 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014437.D
 Acq: 06 Jan 2020 19:02

Tgt Ion:105 Resp: 176559
 Ion Ratio Lower Upper
 105 100
 120 46.7 23.1 69.2





#85

sec-Butylbenzene

Concen: 1.057 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

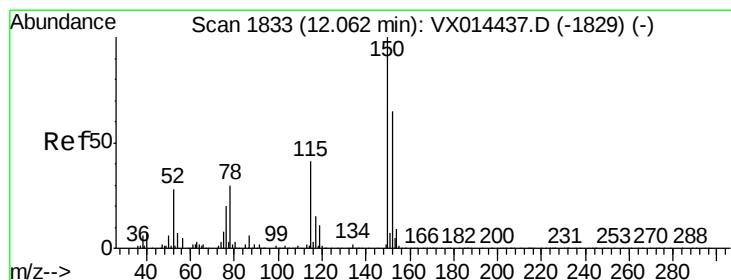
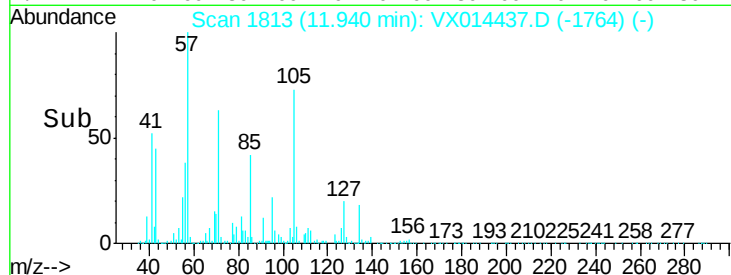
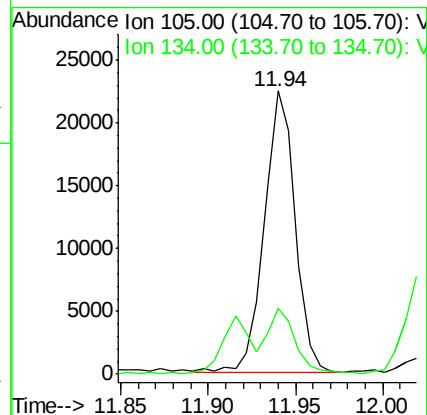
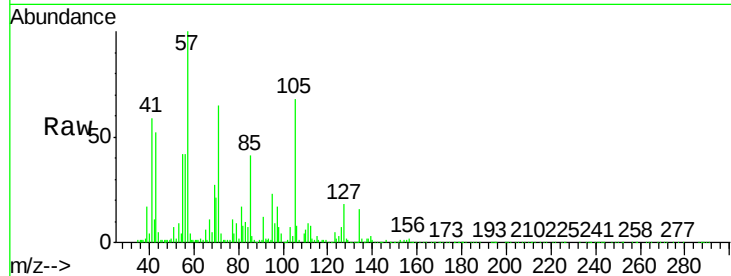
WP022SB454_191227-12-14DL

Tot Ion:105 Resp: 27816

Ion Ratio Lower Upper

105 100

134 21.2 10.4 31.1



#86

p-Isopropyltoluene

Concen: 1.086 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

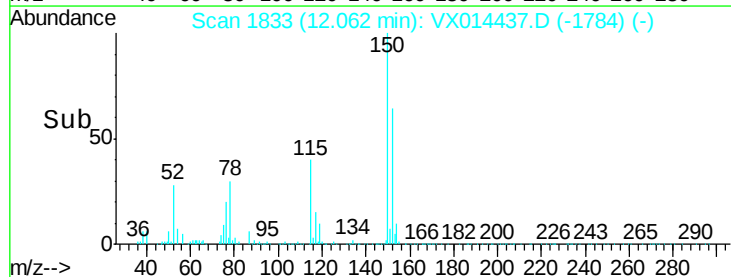
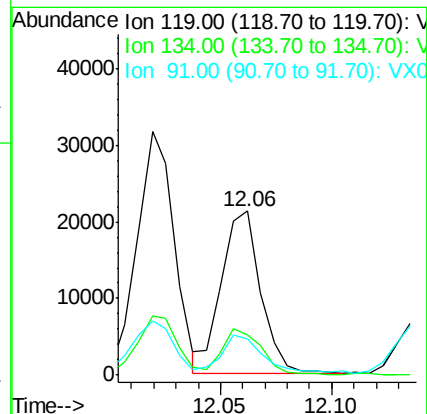
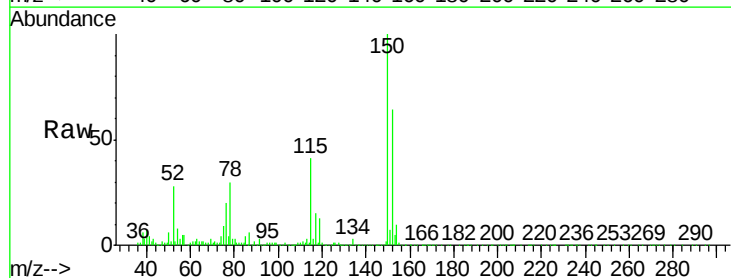
Tgt Ion:119 Resp: 26152

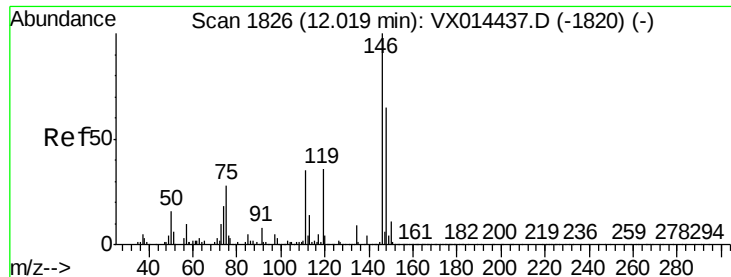
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.1

91 24.2 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 8.420 ug/l

RT: 12.02 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14DL

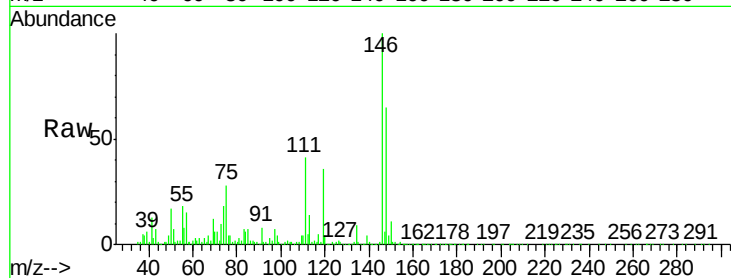
Tot Ion:146 Resp: 110528

Ion Ratio Lower Upper

146 100

111 48.6 19.1 57.1

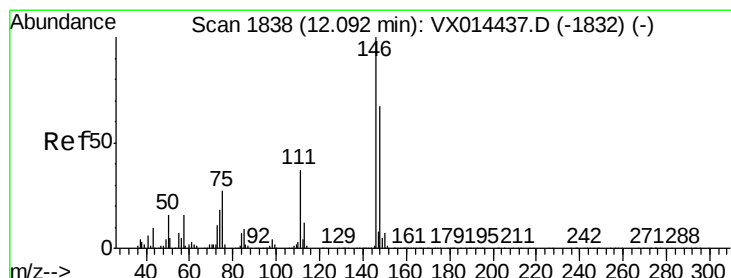
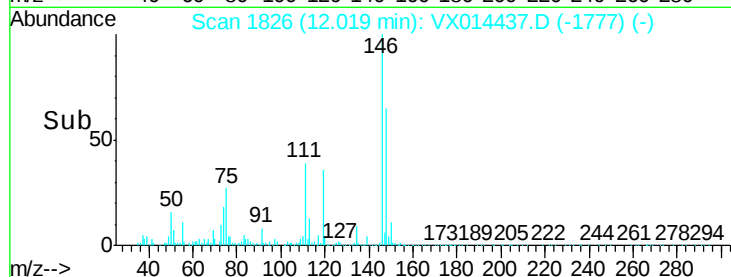
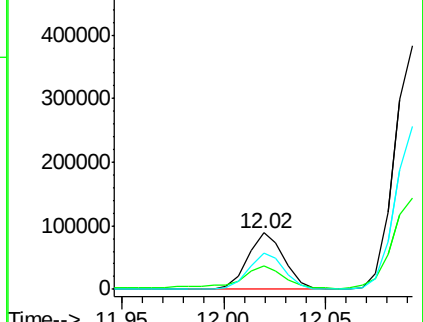
148 63.4 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 35.077 ug/l

RT: 12.09 min Scan# 1838

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

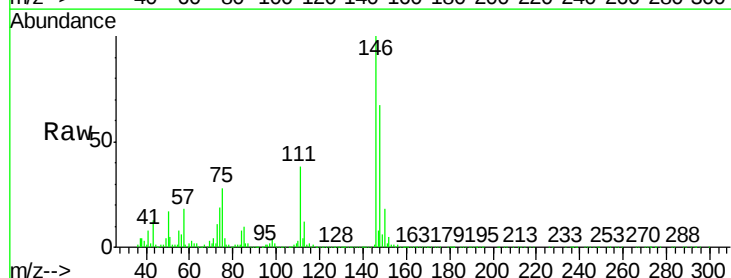
Tgt Ion:146 Resp: 468179

Ion Ratio Lower Upper

146 100

111 37.7 18.7 56.1

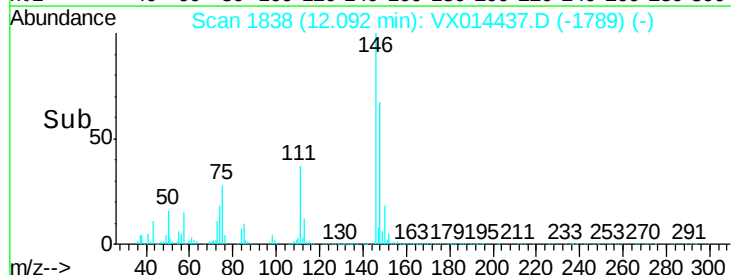
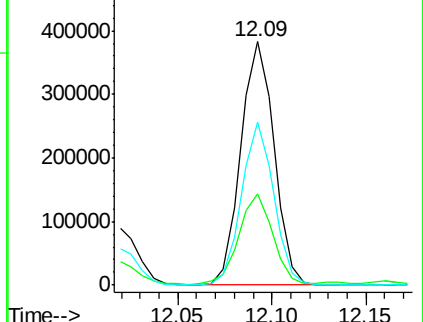
148 65.0 31.9 95.9

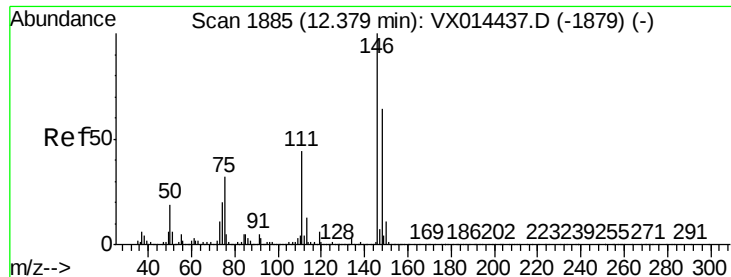


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 2.458 ug/l

RT: 12.38 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14DL

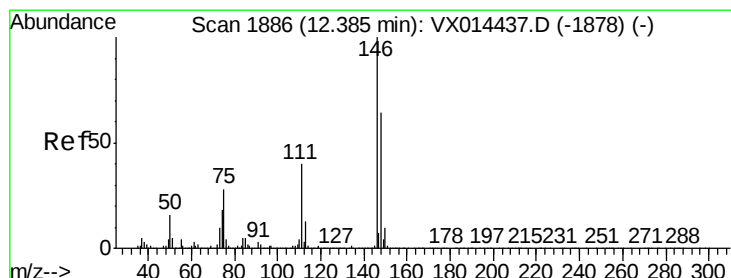
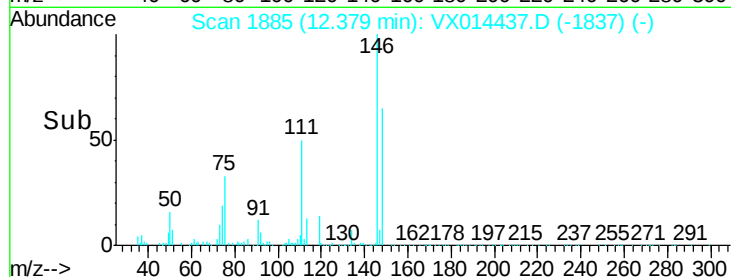
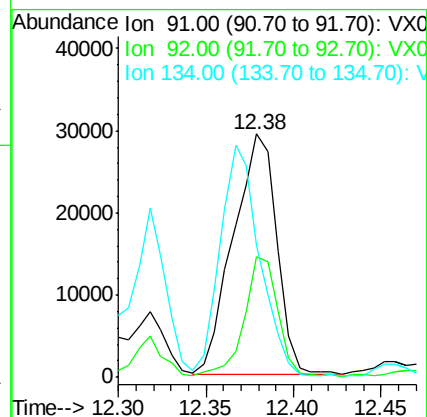
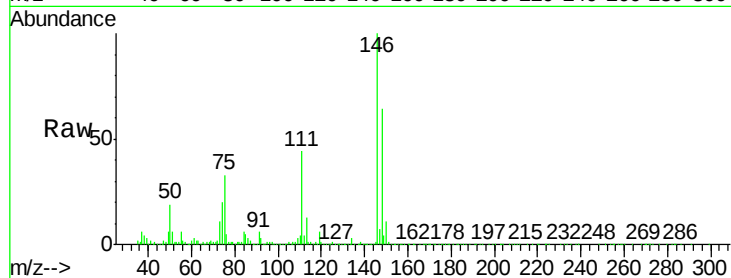
Tot Ion: 91 Resp: 50493

Ion Ratio Lower Upper

91 100

92 39.8 27.2 81.6

134 86.2 13.4 40.1#



#91

1,2-Dichlorobenzene

Concen: 75.746 ug/l

RT: 12.39 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX014437.D

Acq: 06 Jan 2020 19:02

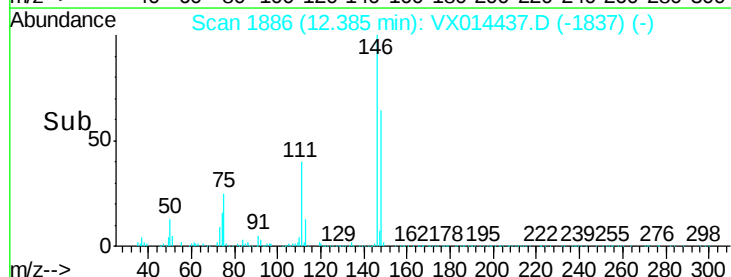
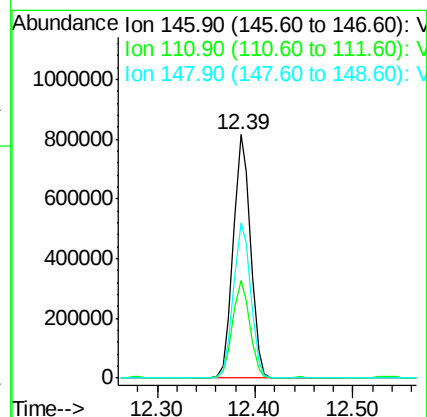
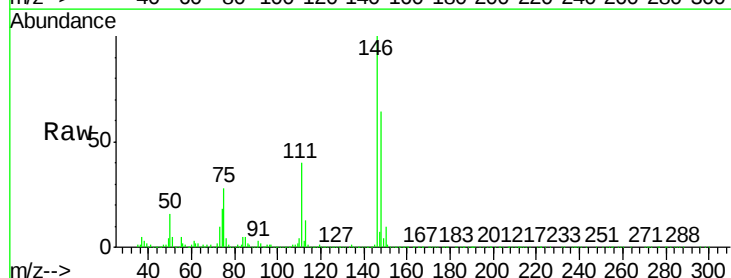
Tgt Ion:146 Resp: 1000915

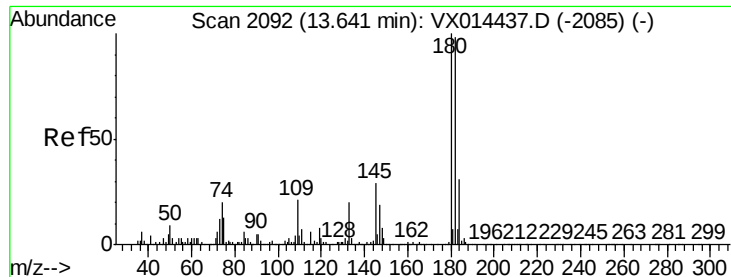
Ion Ratio Lower Upper

146 100

111 39.9 19.7 59.1

148 64.3 32.1 96.5

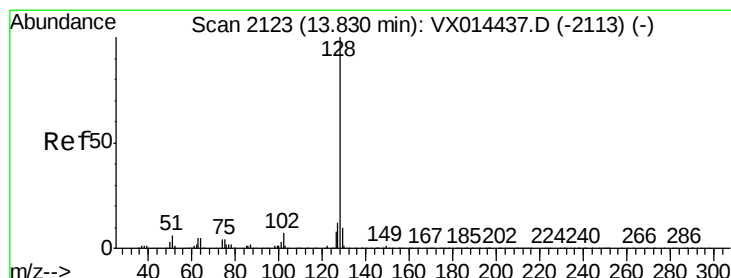
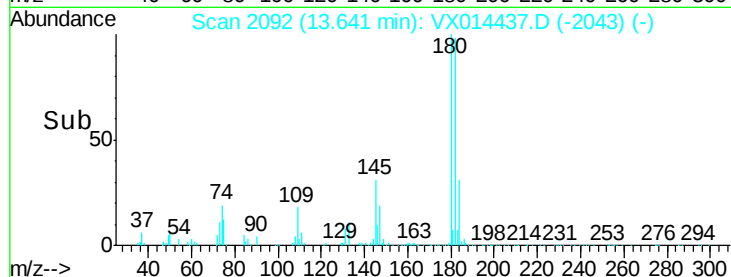
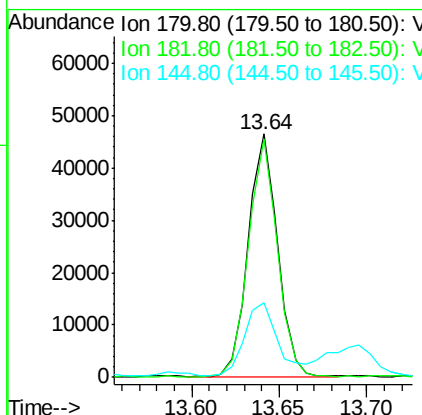
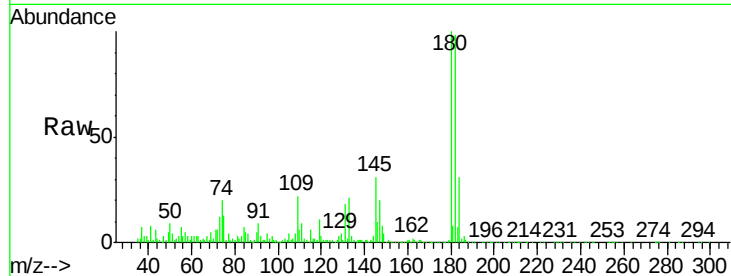




#93
1,2,4-Trichlorobenzene
Concen: 6.274 ug/l
RT: 13.64 min Scan# 2092
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.7	46.6	139.8
145	36.1	14.2	42.6



#95
Naphthalene
Concen: 6.534 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014437.D
Acq: 06 Jan 2020 19:02

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.2	15.4
129	11.8	8.7	13.1

