

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX010320\
 Data File : VX014400.D
 Acq On : 03 Jan 2020 15:04
 Operator : JC/SP
 Sample : K6476-01
 Misc : 6.96µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

Quant Time: Jan 06 03:10:26 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	548041	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	821725	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	742879	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	392432	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	287400	46.27	ug/l	0.00
Spiked Amount			Recovery	=	92.54%	
35) Dibromofluoromethane	5.49	113	234108	46.87	ug/l	0.00
Spiked Amount			Recovery	=	93.74%	
50) Toluene-d8	8.71	98	993796	51.10	ug/l	0.00
Spiked Amount			Recovery	=	102.20%	
62) 4-Bromofluorobenzene	11.14	95	372943	52.46	ug/l	0.00
Spiked Amount			Recovery	=	104.92%	

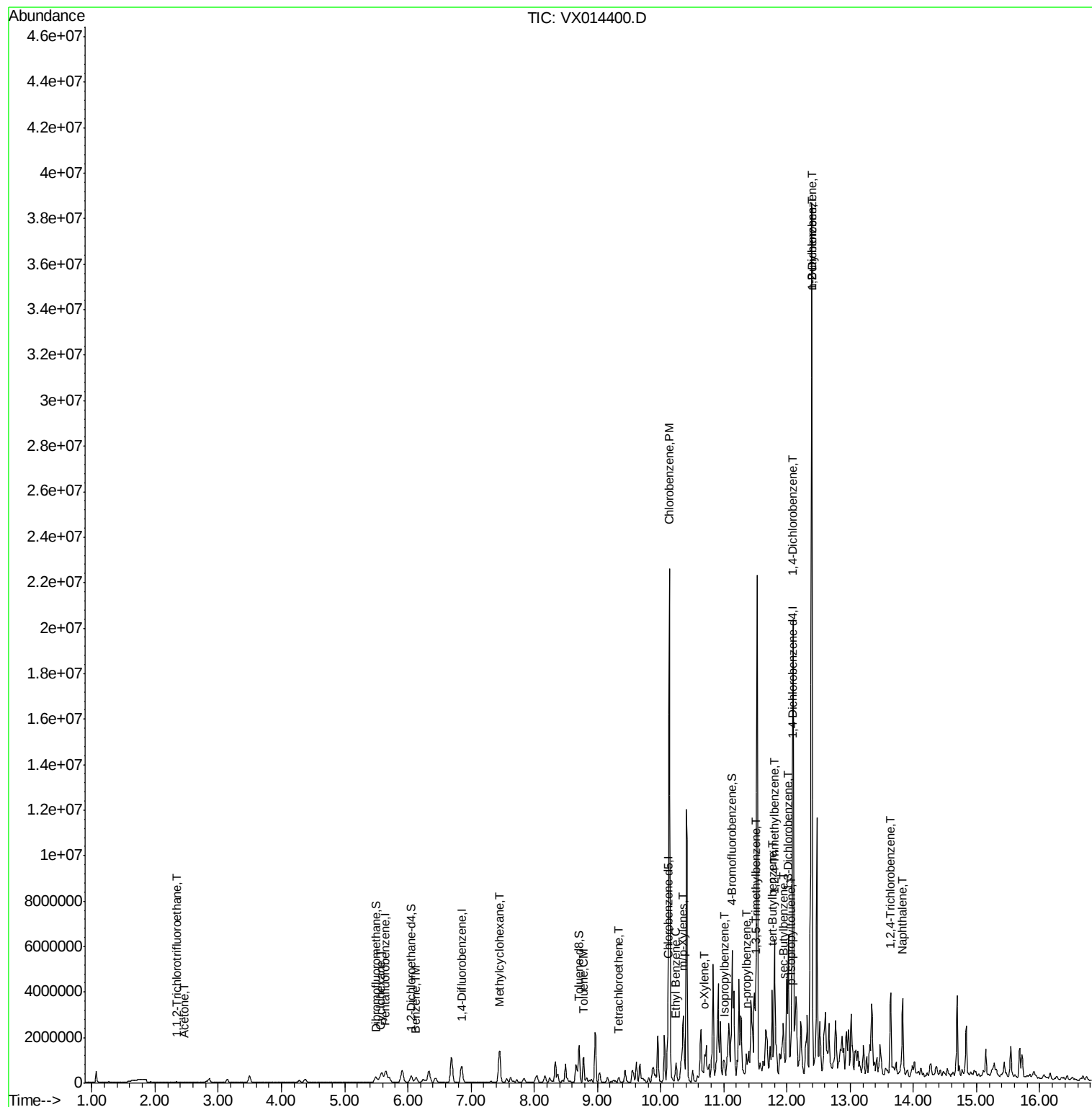
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) 1,1,2-Trichlorotrifluoroet	2.34	101	9762	1.884	ug/l	91
16) Acetone	2.46	43	8556	2.122	ug/l	96
31) Cyclohexane	5.57	56	206241	22.221	ug/l #	82
39) Methylcyclohexane	7.45	83	641515	68.907	ug/l	99
40) Benzene	6.13	78	269852	11.632	ug/l	96
52) Toluene	8.78	92	457995	31.234	ug/l	100
64) Tetrachloroethene	9.33	164	19426	2.955	ug/l	97
65) Chlorobenzene	10.14	112	10080302	638.180	ug/l	91
67) Ethyl Benzene	10.25	91	364264	13.414	ug/l	100
68) m/p-Xylenes	10.35	106	567212	54.307	ug/l	99
69) o-Xylene	10.70	106	187748	18.328	ug/l	98
73) Isopropylbenzene	11.01	105	158881	5.750	ug/l	99
78) n-propylbenzene	11.35	91	547644	17.670	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	1002753	43.122	ug/l	100
83) tert-Butylbenzene	11.77	119	56261	2.486	ug/l	88
84) 1,2,4-Trimethylbenzene	11.81	105	2173572	93.337	ug/l	99
85) sec-Butylbenzene	11.95	105	326834	12.234	ug/l	99
86) p-Isopropyltoluene	12.06	119	286515	11.725	ug/l	99
87) 1,3-Dichlorobenzene	12.03	146	1386976	104.100	ug/l	94
88) 1,4-Dichlorobenzene	12.10	146	5895486	435.176	ug/l	98
89) n-Butylbenzene	12.39	91	664847	31.885	ug/l #	43
91) 1,2-Dichlorobenzene	12.39	146	11295643	842.189	ug/l	93
93) 1,2,4-Trichlorobenzene	13.64	180	725773	83.256	ug/l	95
95) Naphthalene	13.83	128	2051783	80.110	ug/l	98

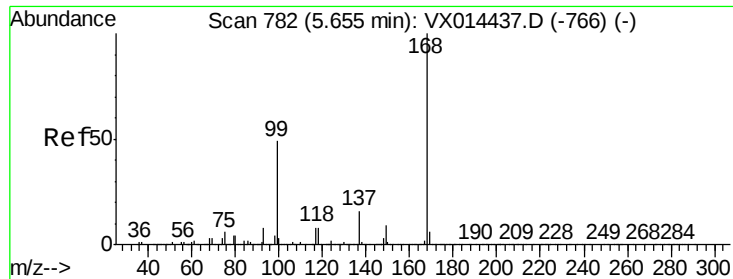
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX010320\
Data File : VX014400.D
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Operator : JC/SP
Sample : K6476-01
Misc : 6.96µ/5mL/100uL/5.00mL/MSVOA_X/MEOH
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Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

Quant Time: Jan 06 03:10:26 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# 781

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

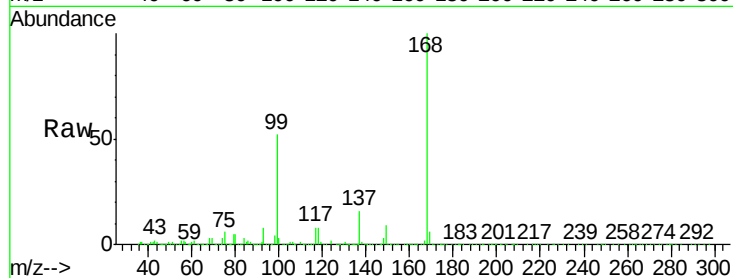
WP022SB454_191227-12-14

Tot Ion:168 Resp: 548041

Ion Ratio Lower Upper

168 100

99 51.4 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

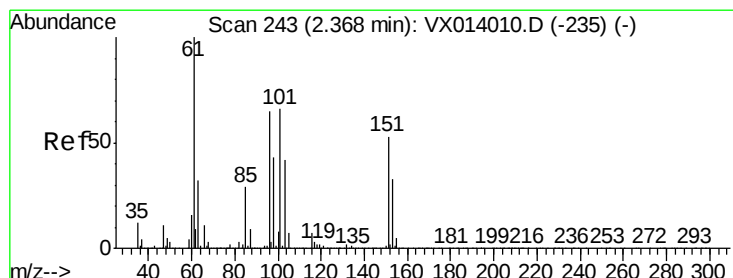
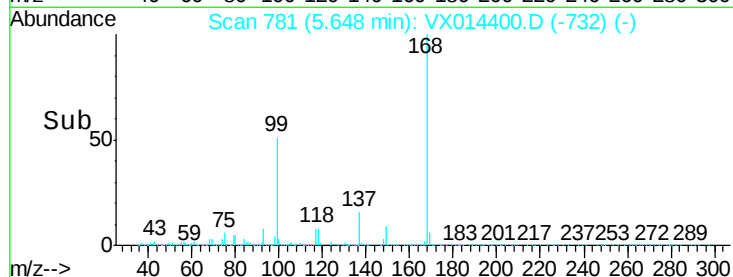
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.884 ug/l

RT: 2.34 min Scan# 239

Delta R.T. -0.02 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

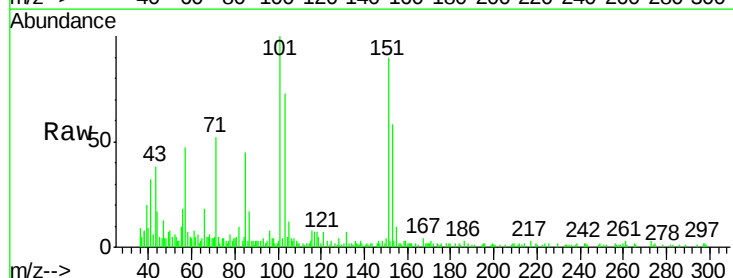
Tgt Ion:101 Resp: 9762

Ion Ratio Lower Upper

101 100

85 47.9 33.7 50.5

151 88.7 64.5 96.7



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

2.34

6000

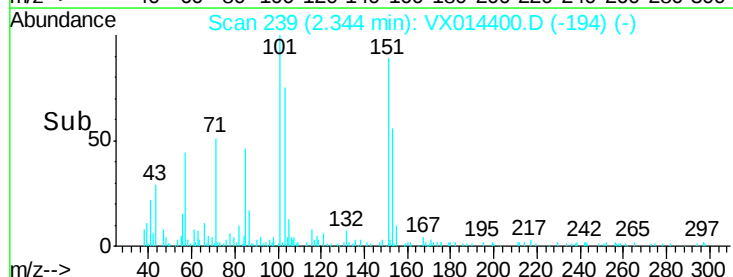
4000

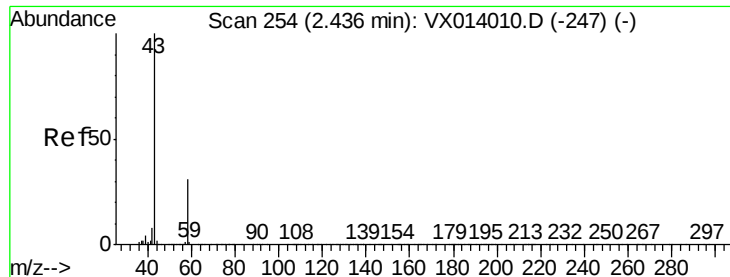
2000

0

Time-->

2.25 2.30 2.35 2.40

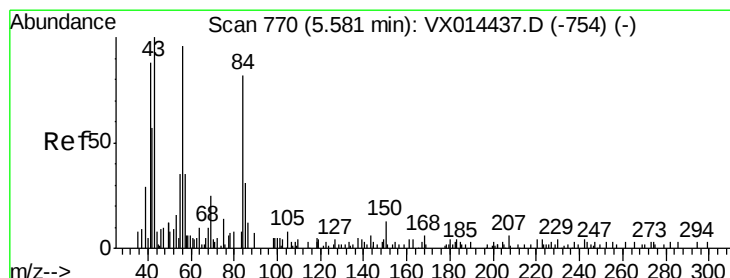
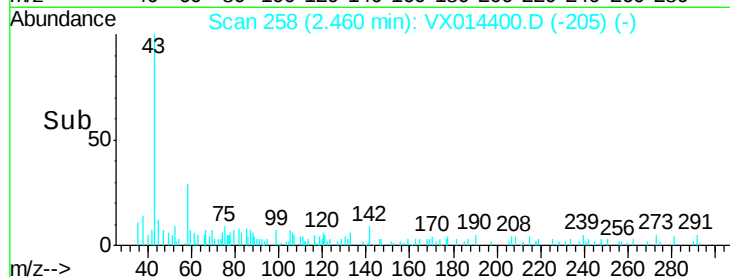
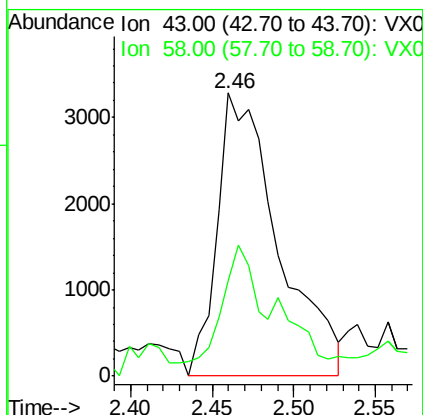
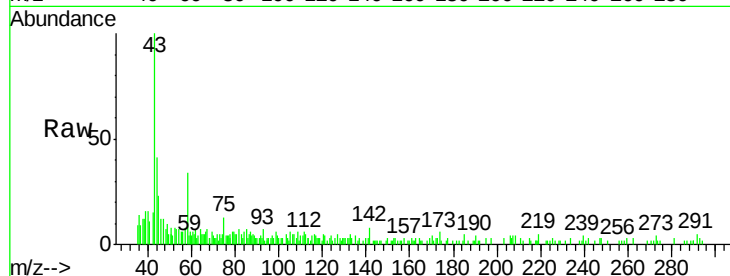




#16
Acetone
Concen: 2.122 ug/l
RT: 2.46 min Scan# 258
Delta R.T. 0.02 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

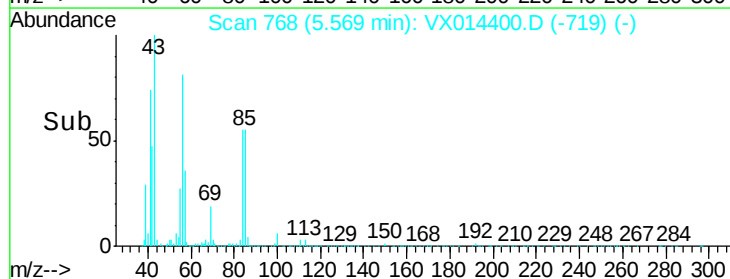
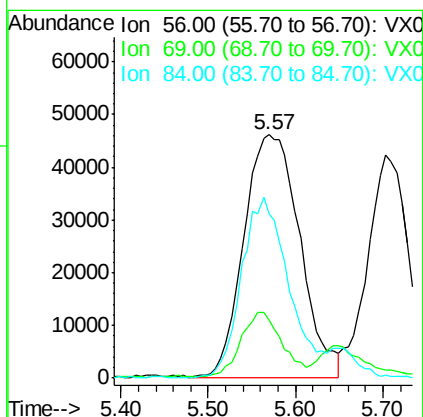
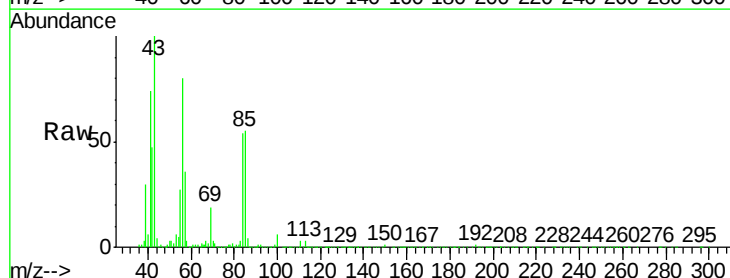
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

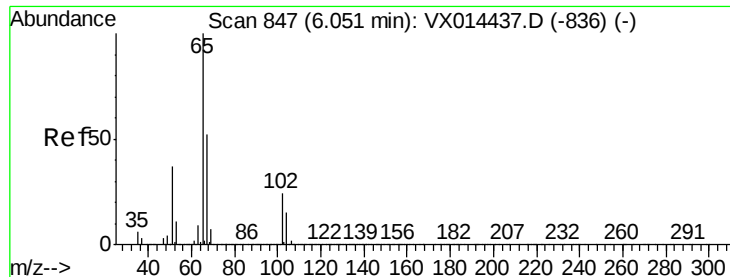
Tot Ion: 43 Resp: 8556
Ion Ratio Lower Upper
43 100
58 28.7 24.9 37.3



#31
Cyclohexane
Concen: 22.221 ug/l
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion: 56 Resp: 206241
Ion Ratio Lower Upper
56 100
69 23.0 23.2 34.8#
84 67.3 69.2 103.8#





#33

1,2-Dichloroethane-d4

Concen: 46.271 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

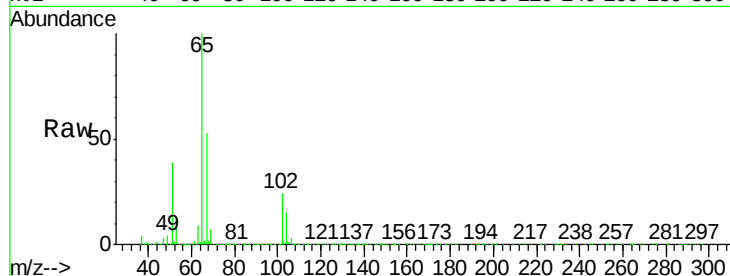
WP022SB454_191227-12-14

Tot Ion: 65 Resp: 287400

Ion Ratio Lower Upper

65 100

67 52.8 0.0 106.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.05

120000

100000

80000

60000

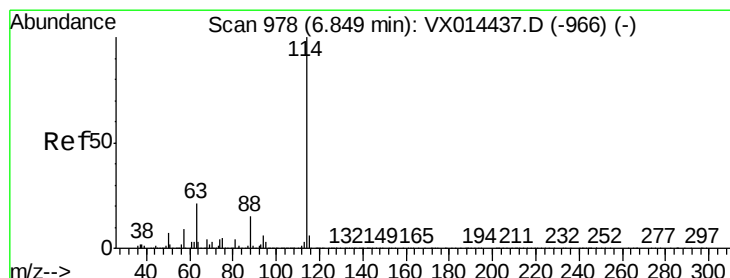
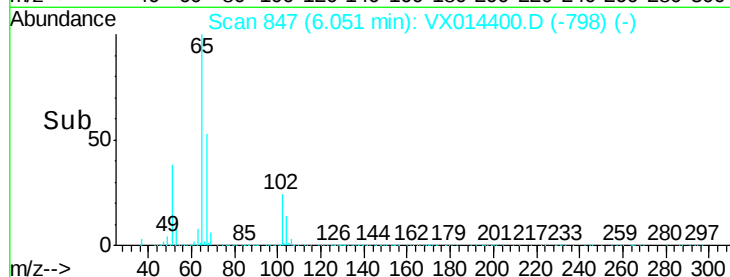
40000

20000

0

Time-->

5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

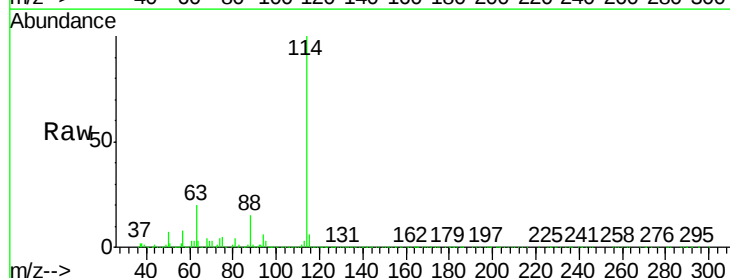
Tgt Ion: 114 Resp: 821725

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.8

88 15.0 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

6.85

400000

300000

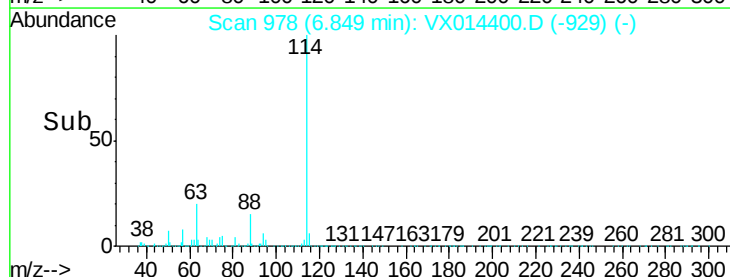
200000

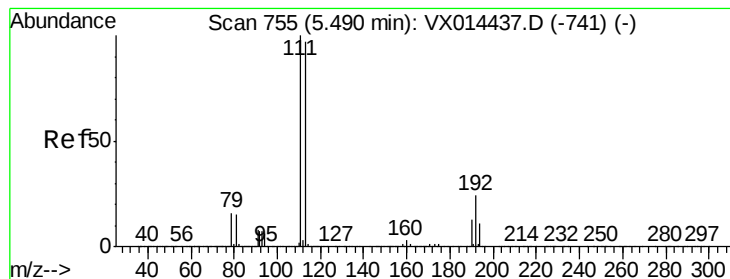
100000

0

Time-->

6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 46.867 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

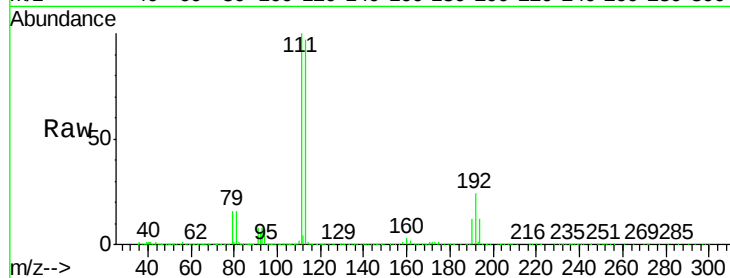
Tot Ion:113 Resp: 234108

Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

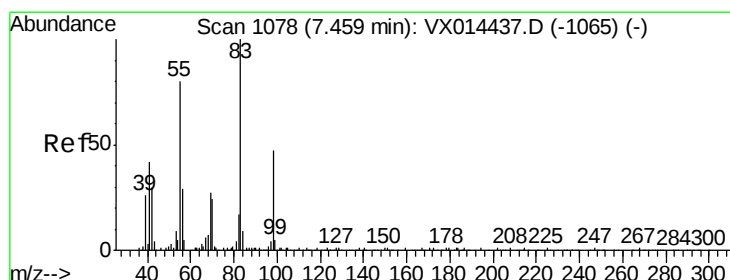
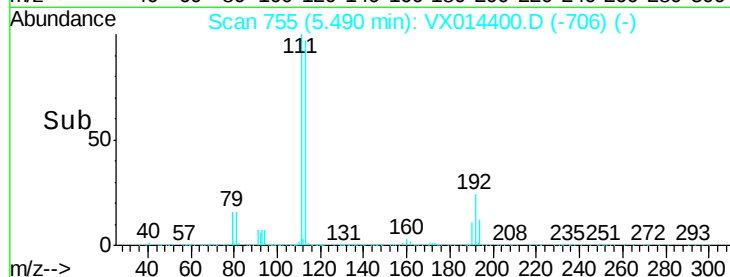
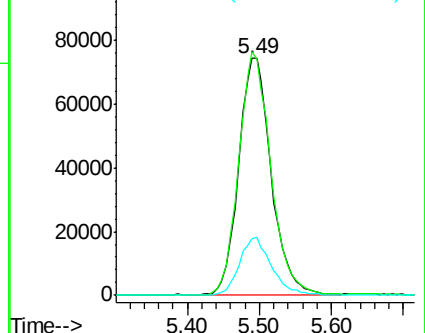
192 24.1 19.3 28.9



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: 68.907 ug/l

RT: 7.45 min Scan# 1077

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

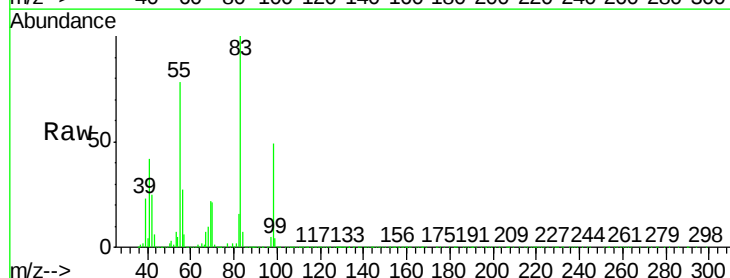
Tgt Ion: 83 Resp: 641515

Ion Ratio Lower Upper

83 100

55 78.0 61.0 91.6

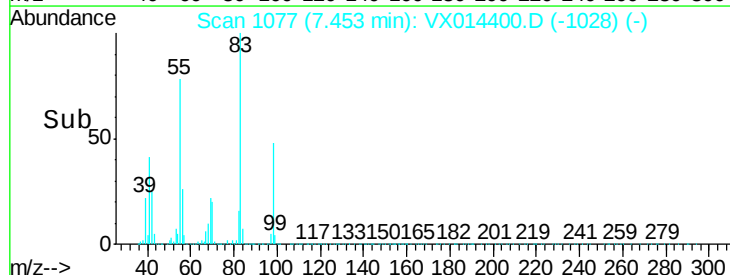
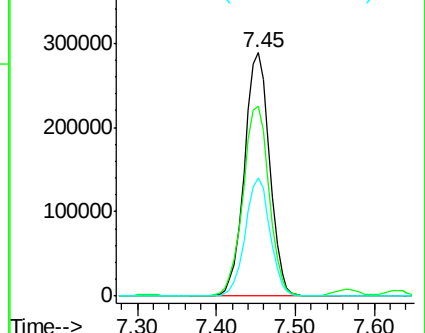
98 48.6 38.6 57.8

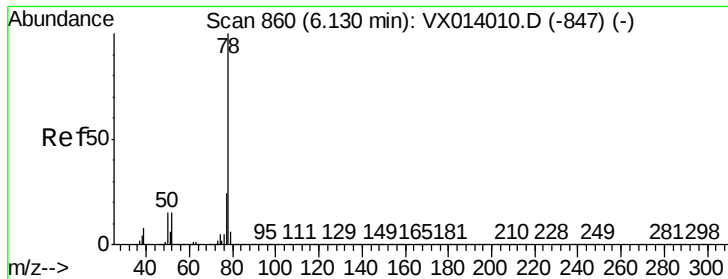


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#40

Benzene

Concen: 11.632 ug/l

RT: 6.13 min Scan# 860

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

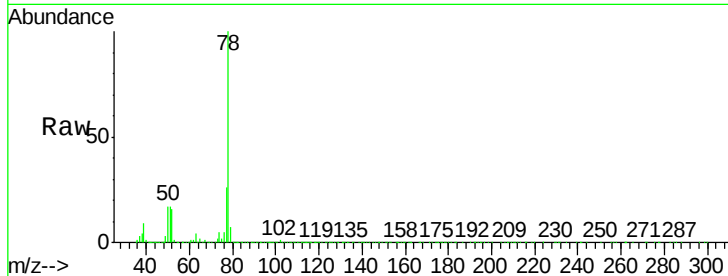
WP022SB454_191227-12-14

Tot Ion: 78 Resp: 269852

Ion Ratio Lower Upper

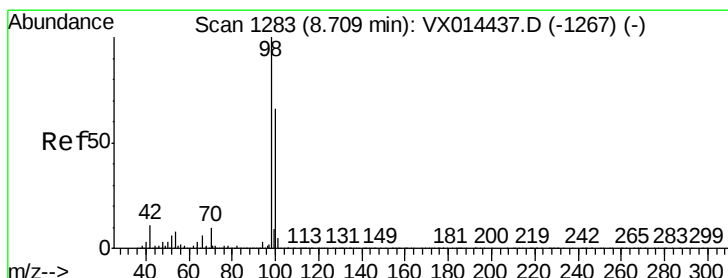
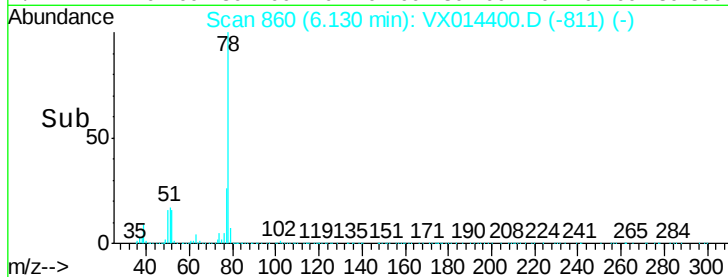
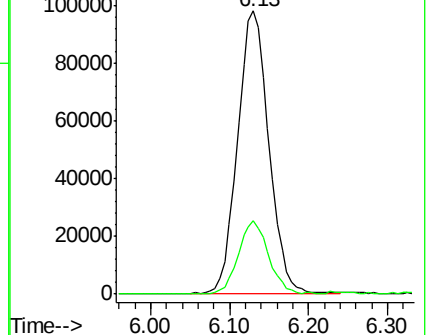
78 100

77 25.5 18.8 28.2



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0



#50

Toluene-d8

Concen: 51.102 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014400.D

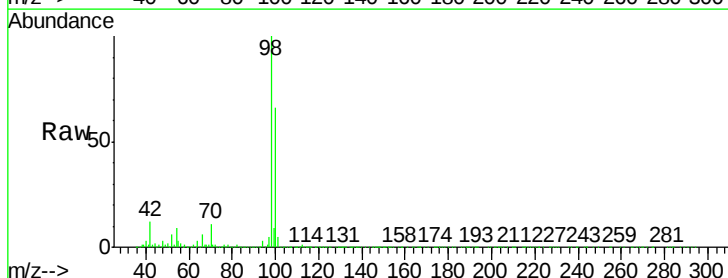
Acq: 03 Jan 2020 15:04

Tgt Ion: 98 Resp: 993796

Ion Ratio Lower Upper

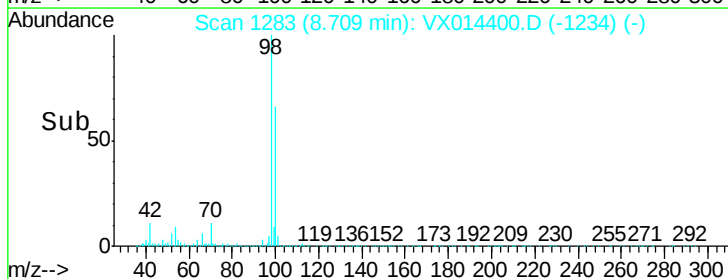
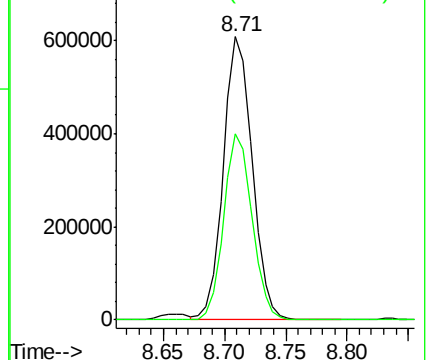
98 100

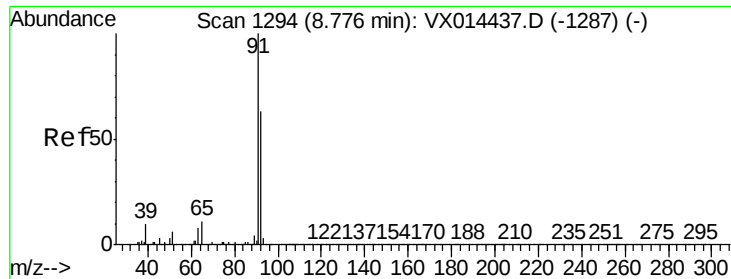
100 64.5 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 31.234 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

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ClientSampleId :

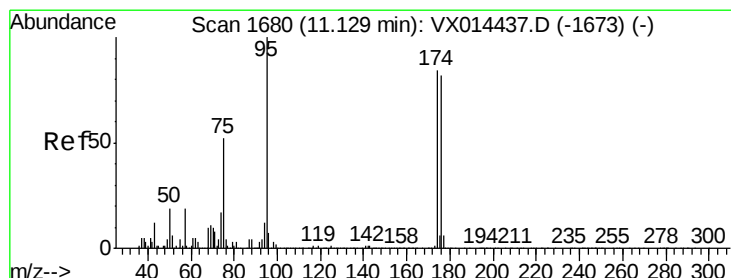
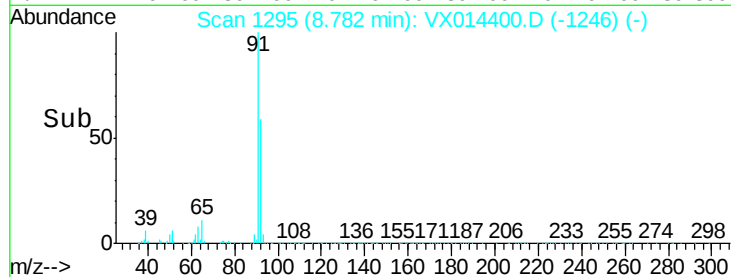
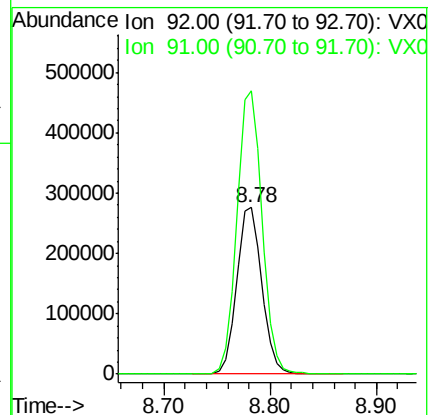
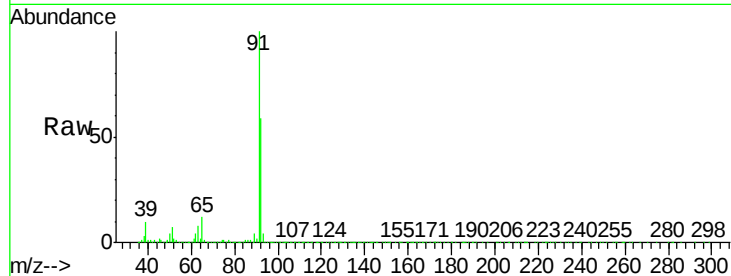
WP022SB454_191227-12-14

Tot Ion: 92 Resp: 457995

Ion Ratio Lower Upper

92 100

91 170.3 136.2 204.4



#62

4-Bromofluorobenzene

Concen: 52.461 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

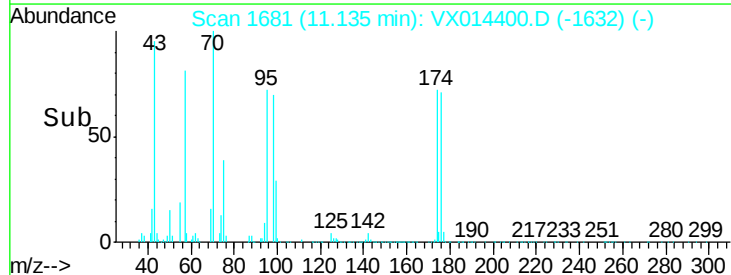
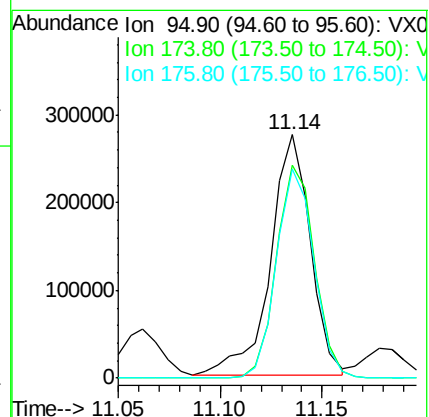
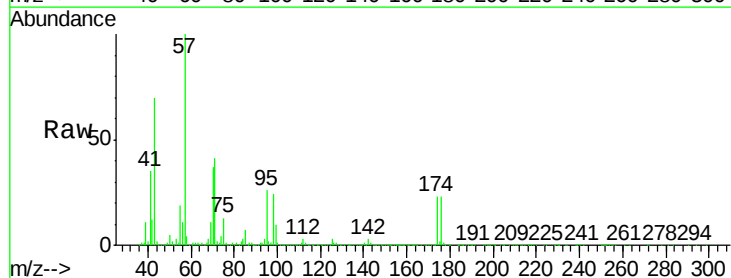
Tgt Ion: 95 Resp: 372943

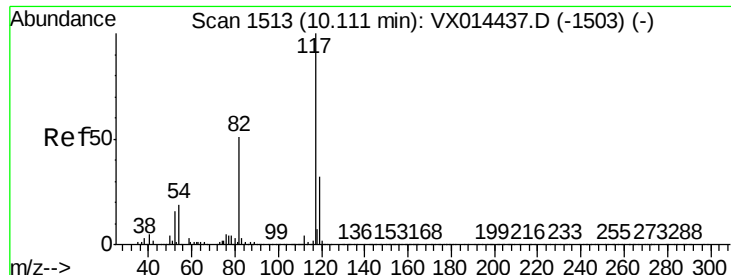
Ion Ratio Lower Upper

95 100

174 85.0 0.0 175.8

176 82.5 0.0 173.0

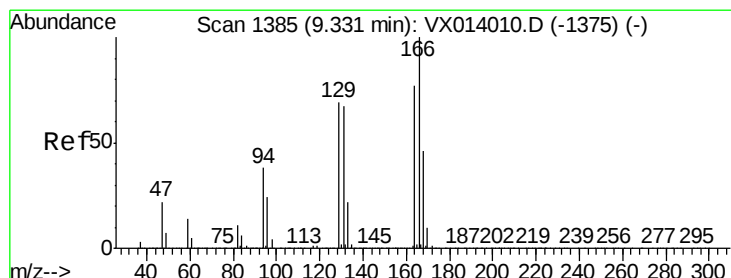
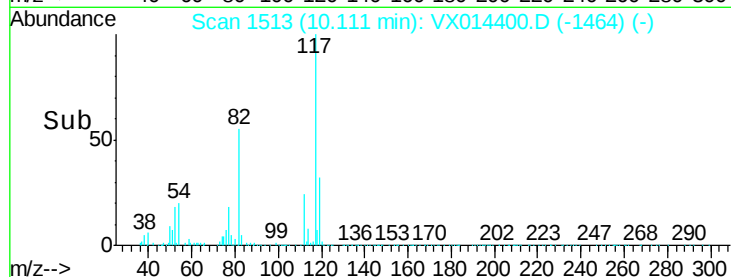
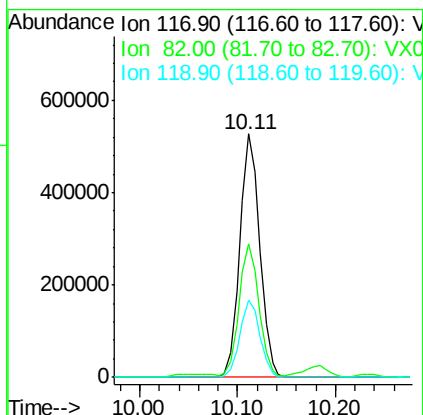
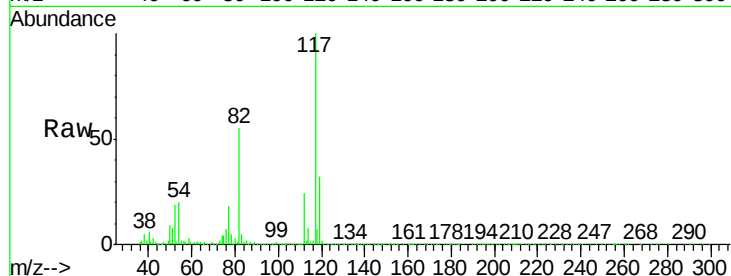




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

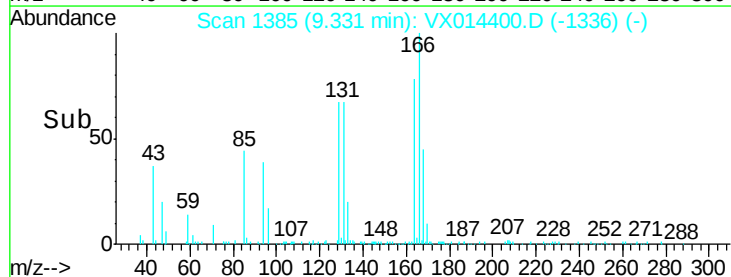
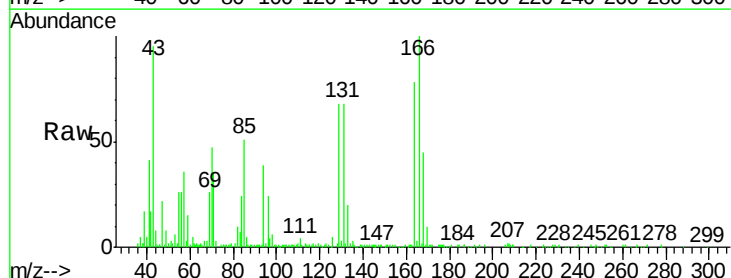
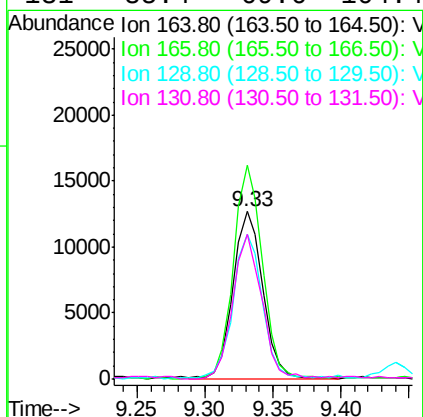
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

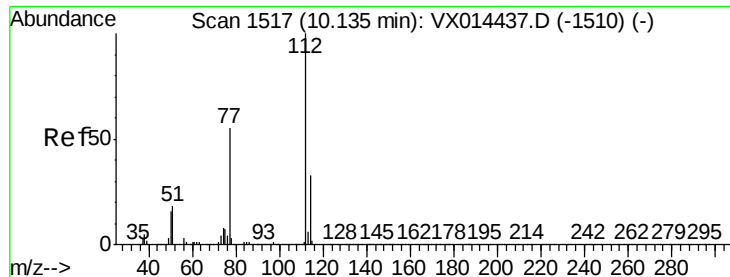
Tot Ion:117 Resp: 742879
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 31.7 25.1 37.7



#64
Tetrachloroethene
Concen: 2.955 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion:164 Resp: 19426
Ion Ratio Lower Upper
164 100
166 126.8 104.0 156.0
129 85.0 72.2 108.4
131 85.4 69.6 104.4





#65

Chlorobenzene

Concen: 638.180 ug/l

RT: 10.14 min Scan# 1517

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

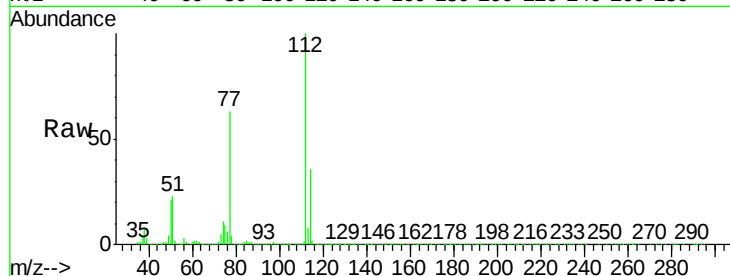
WP022SB454_191227-12-14

Tot Ion:112 Resp:10080302

Ion Ratio Lower Upper

112 100

114 36.2 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

6000000

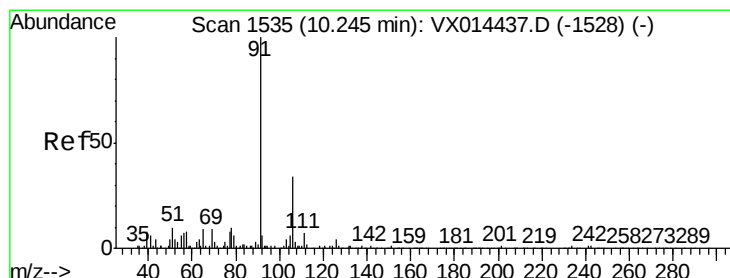
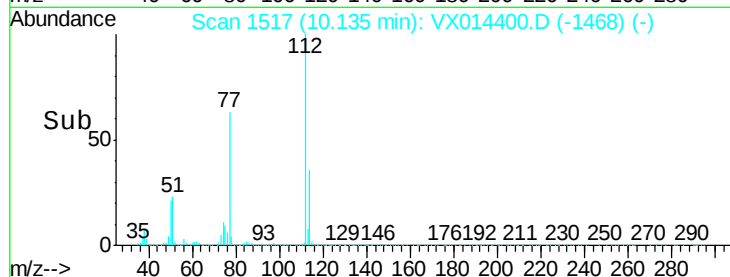
4000000

2000000

0

Time-->

10.10 10.20



#67

Ethyl Benzene

Concen: 13.414 ug/l

RT: 10.25 min Scan# 1536

Delta R.T. 0.01 min

Lab File: VX014400.D

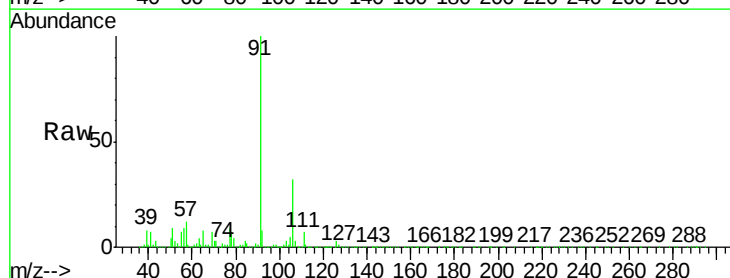
Acq: 03 Jan 2020 15:04

Tgt Ion: 91 Resp: 364264

Ion Ratio Lower Upper

91 100

106 31.5 25.0 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 106.00 (105.70 to 106.70): V

800000

600000

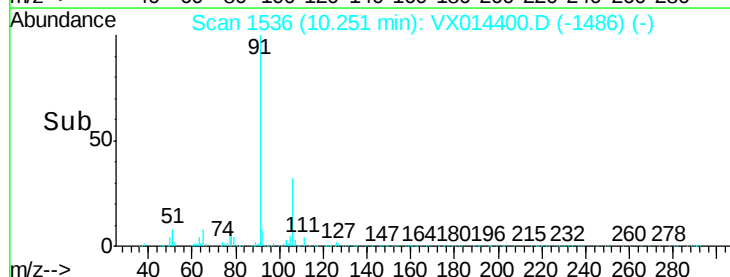
400000

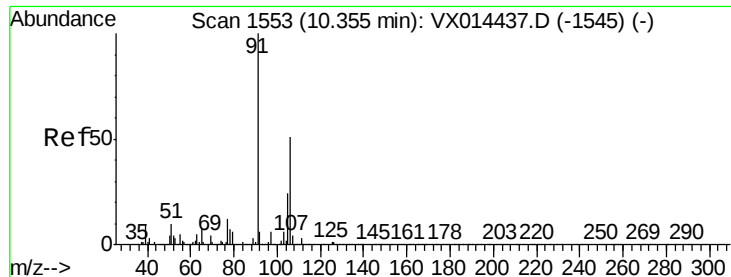
200000

0

Time-->

10.20 10.25 10.30

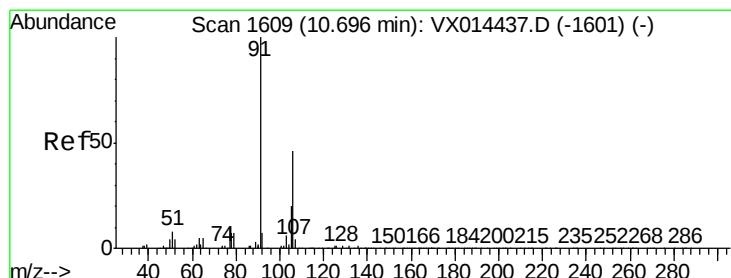
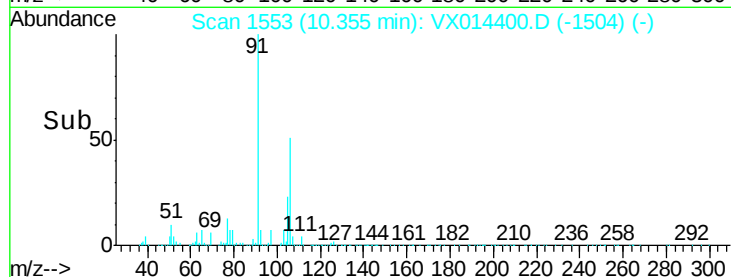
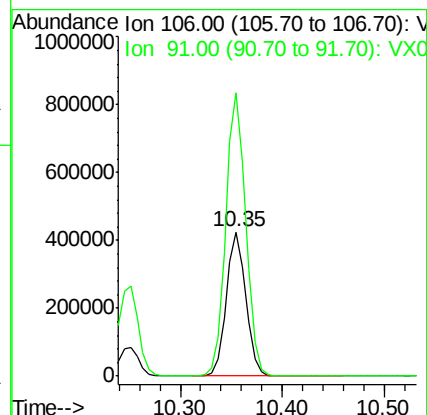
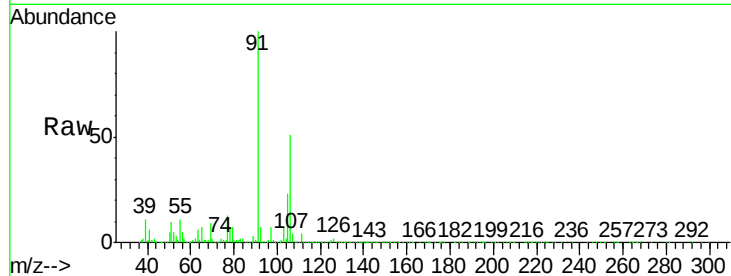




#68
m/p-Xylenes
Concen: 54.307 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

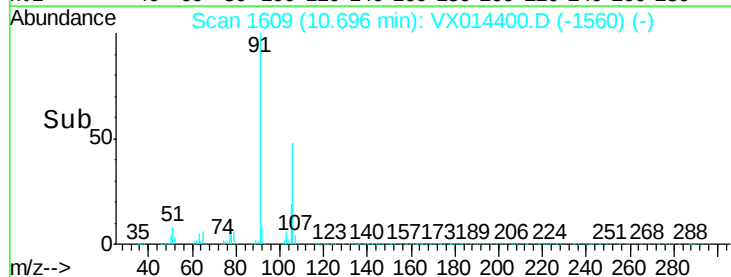
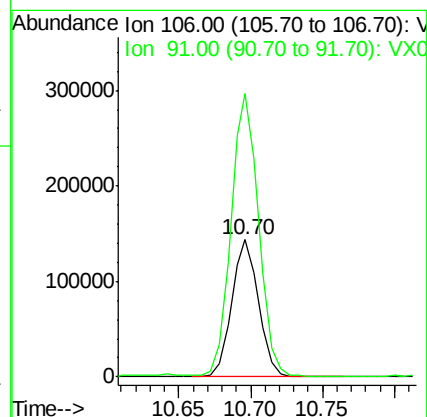
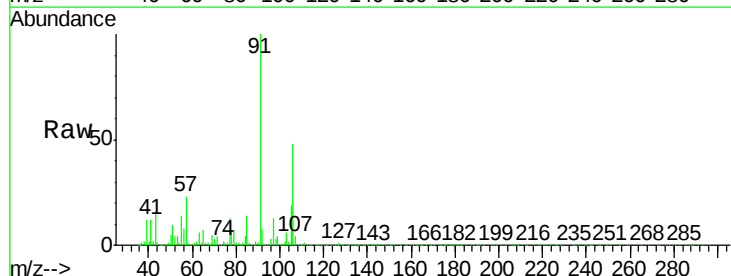
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

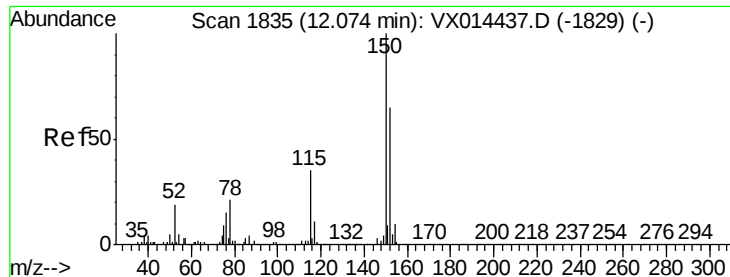
Tot Ion:106 Resp: 567212
Ion Ratio Lower Upper
106 100
91 200.0 158.6 238.0



#69
o-Xylene
Concen: 18.328 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion:106 Resp: 187748
Ion Ratio Lower Upper
106 100
91 211.1 104.2 312.6



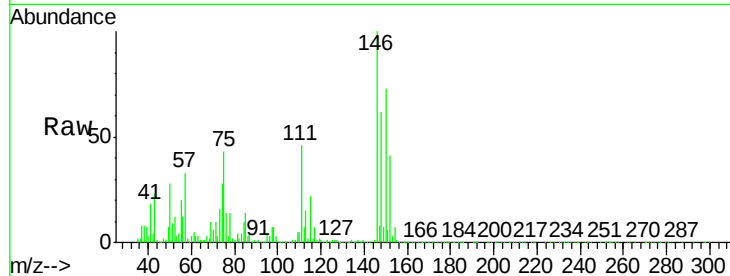


#72

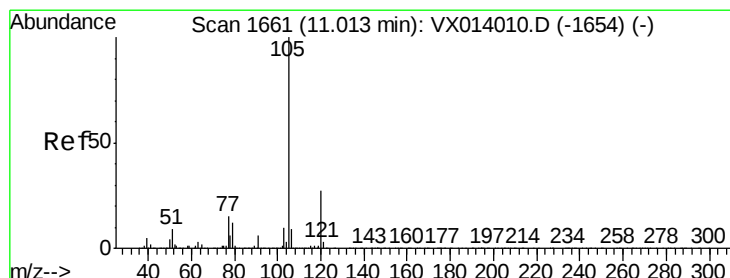
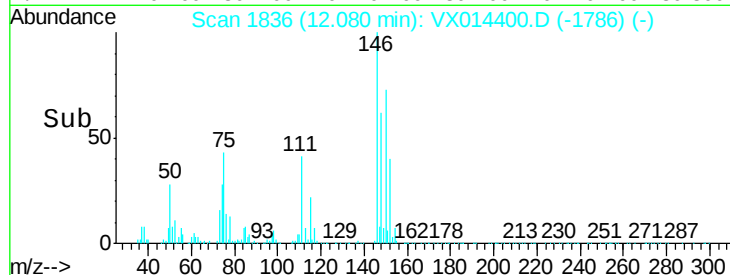
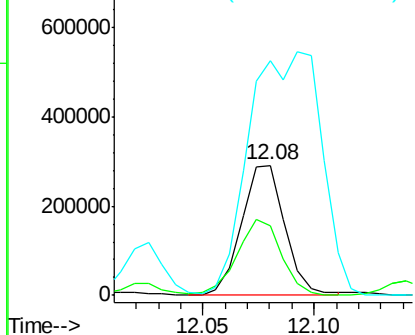
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1836
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

Tot Ion	Ratio	Lower	Upper
152	100		
115	60.0	38.3	114.9
150	315.0	0.0	345.4



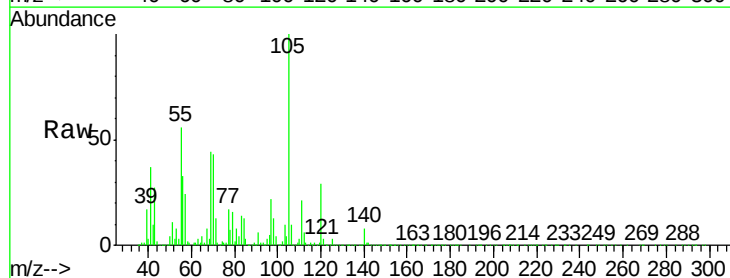
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



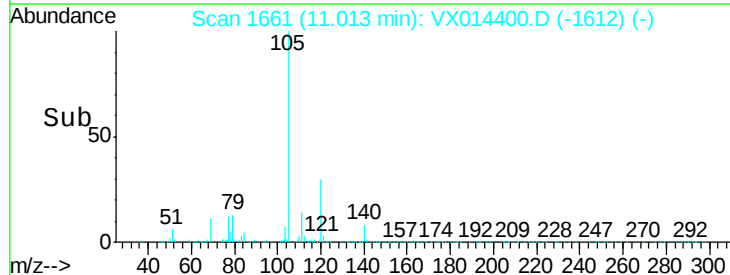
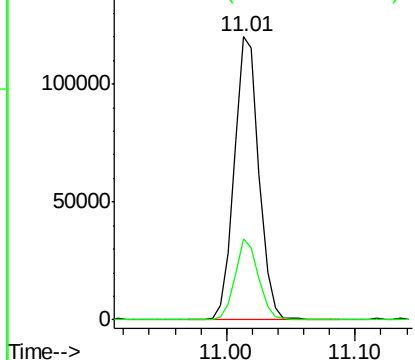
#73

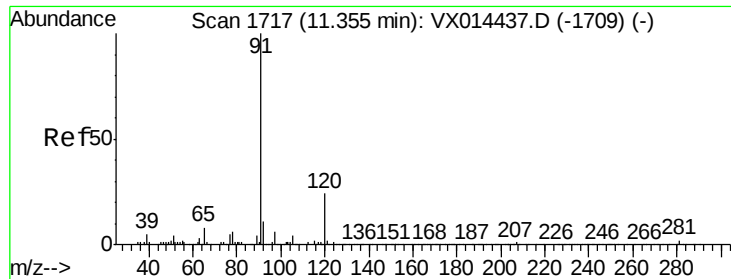
Isopropylbenzene
Concen: 5.750 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 17.670 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

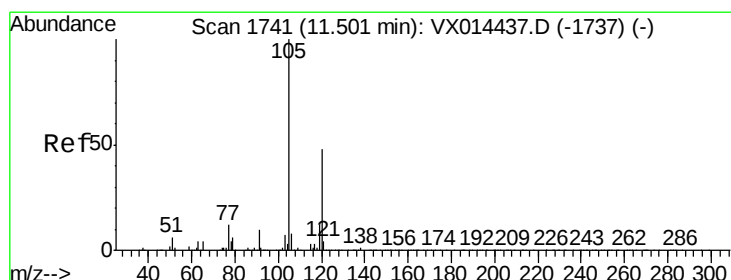
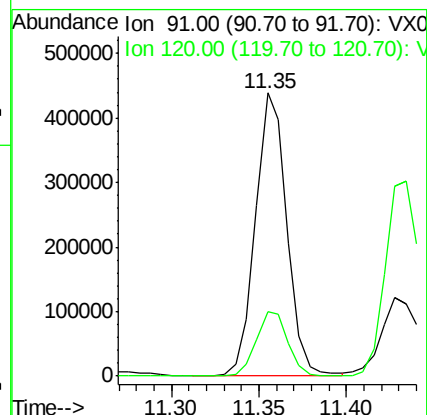
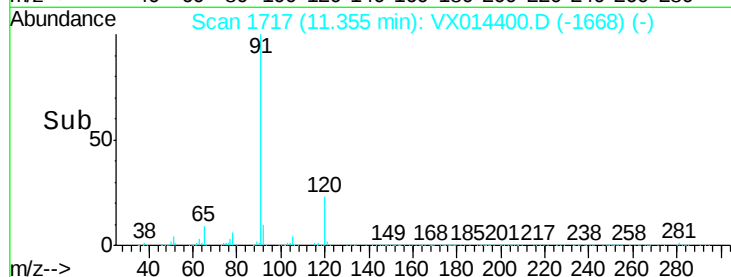
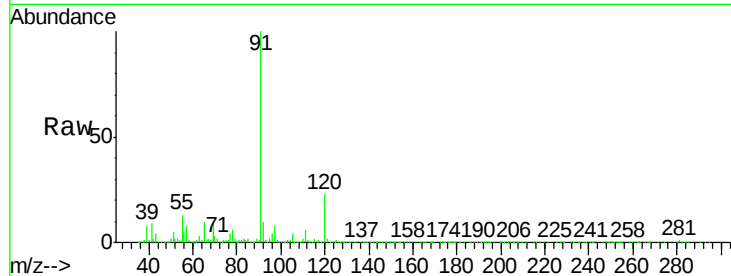
WP022SB454_191227-12-14

Tot Ion: 91 Resp: 547644

Ion Ratio Lower Upper

91 100

120 22.9 11.7 35.0



#80

1,3,5-Trimethylbenzene

Concen: 43.122 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014400.D

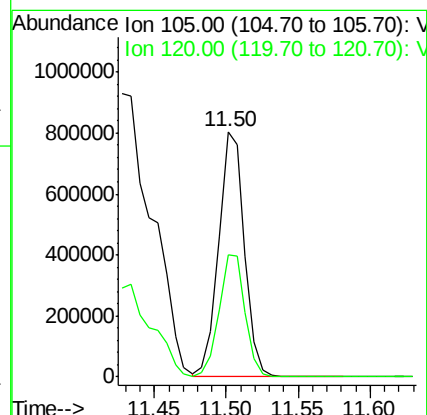
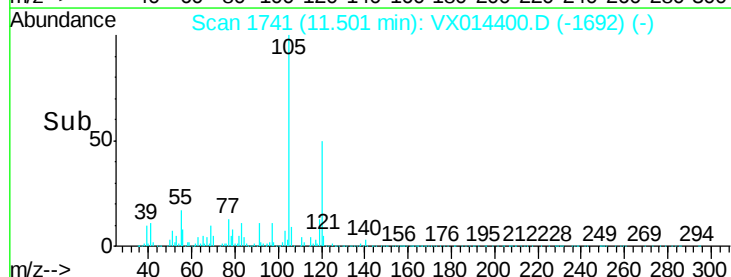
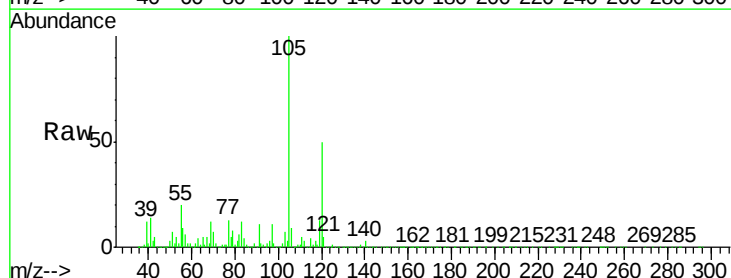
Acq: 03 Jan 2020 15:04

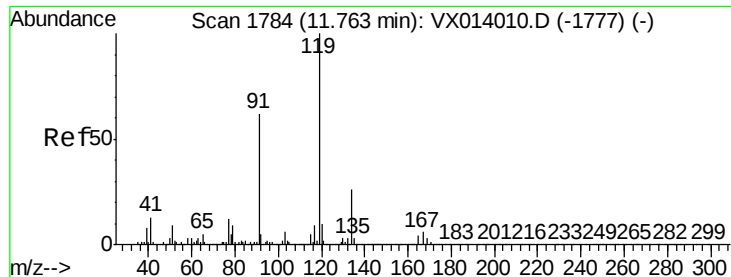
Tgt Ion: 105 Resp: 1002753

Ion Ratio Lower Upper

105 100

120 50.4 25.3 75.8

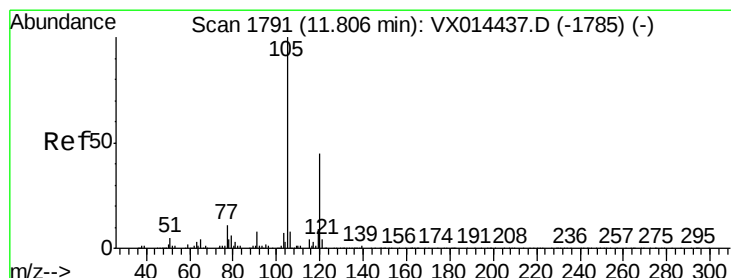
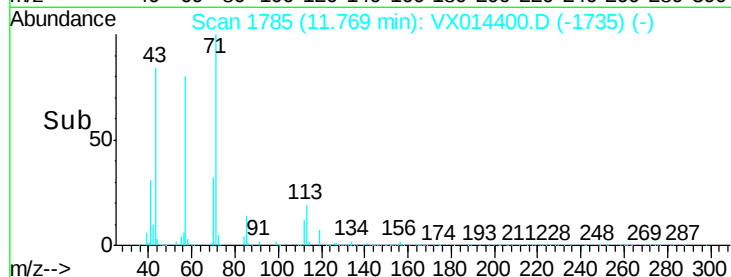
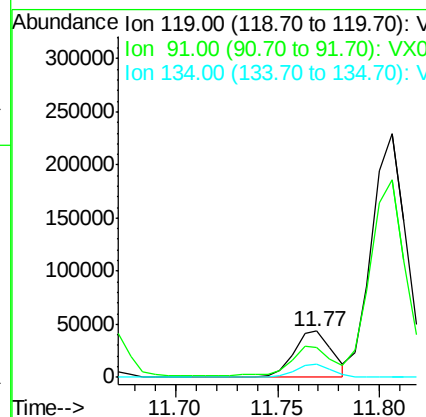
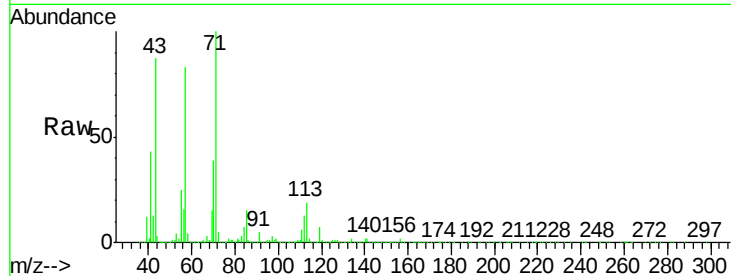




#83
tert-Butylbenzene
Concen: 2.486 ug/l
RT: 11.77 min Scan# 1785
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

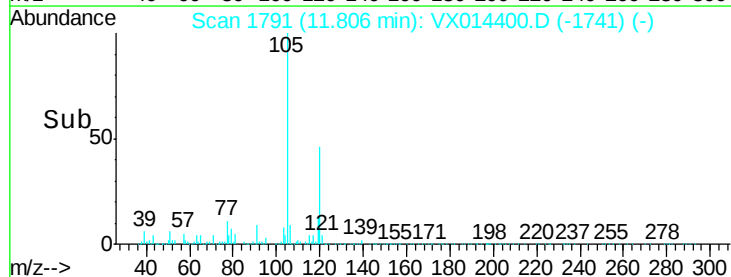
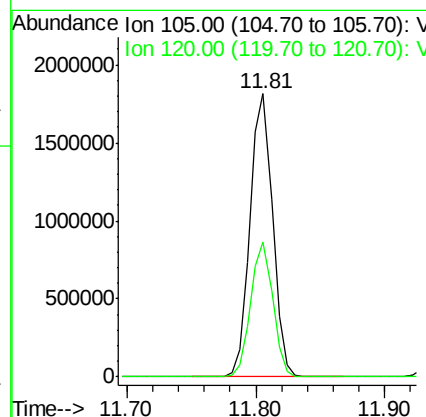
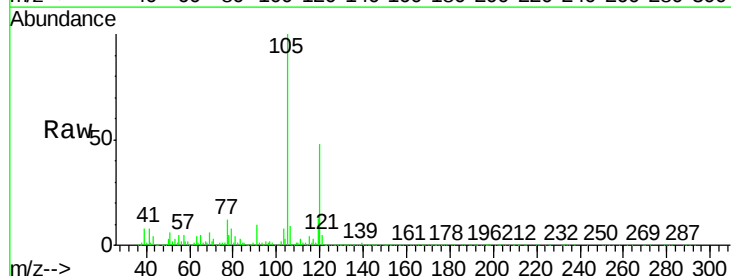
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

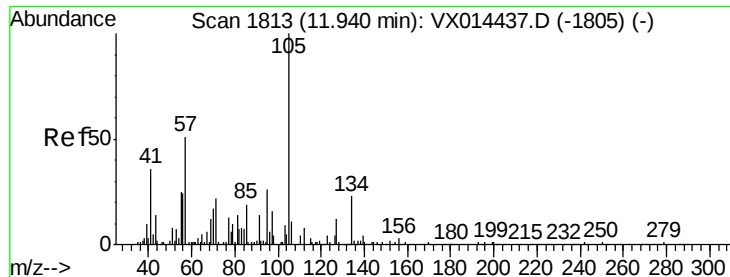
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	28.5	85.6
134	26.4	12.2	36.6



#84
1,2,4-Trimethylbenzene
Concen: 93.337 ug/l
RT: 11.81 min Scan# 1791
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.1	69.2

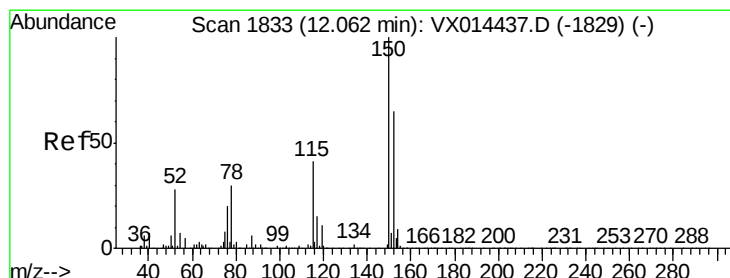
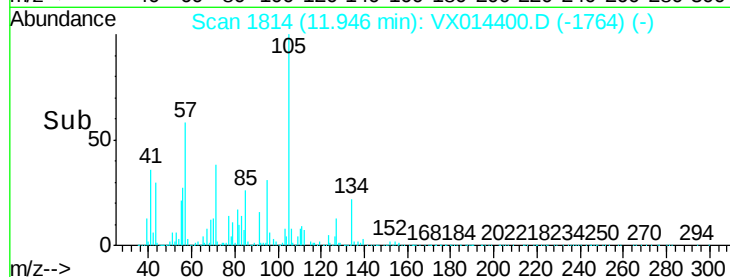
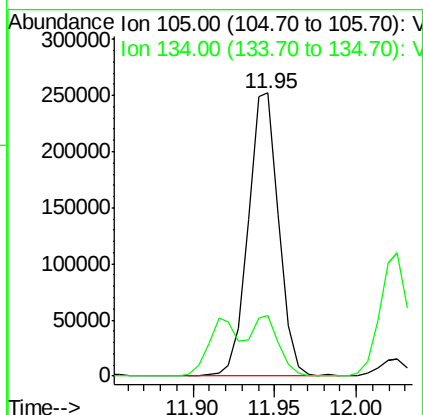
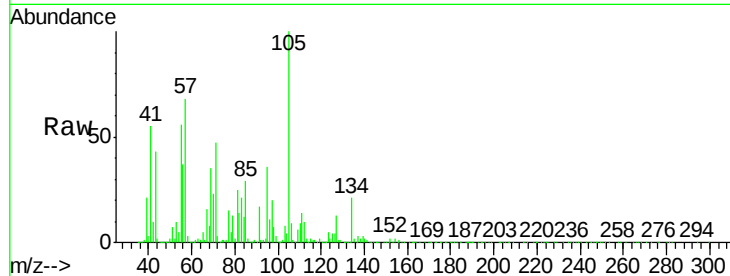




#85
 sec-Butylbenzene
 Concen: 12.234 ug/l
 RT: 11.95 min Scan# 1814
 Delta R.T. 0.01 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

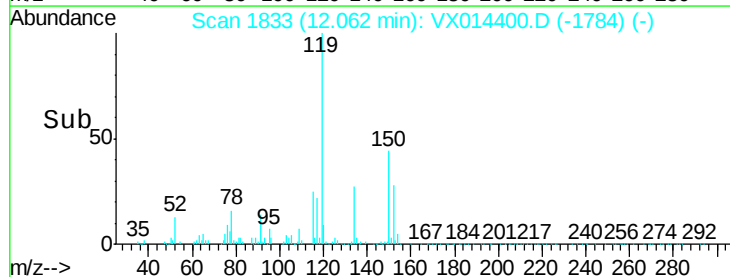
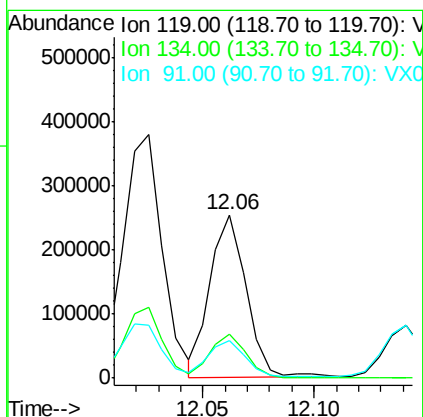
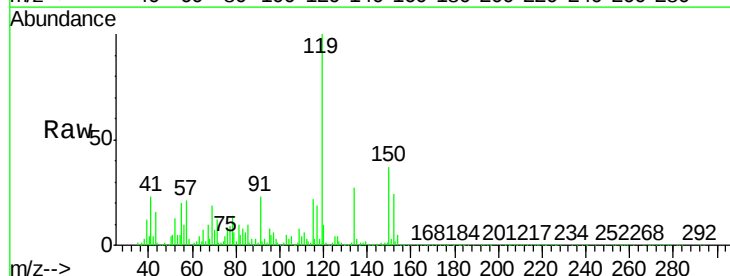
Instrument :
 MSVOA_X
 ClientSampleId :
 WP022SB454_191227-12-14

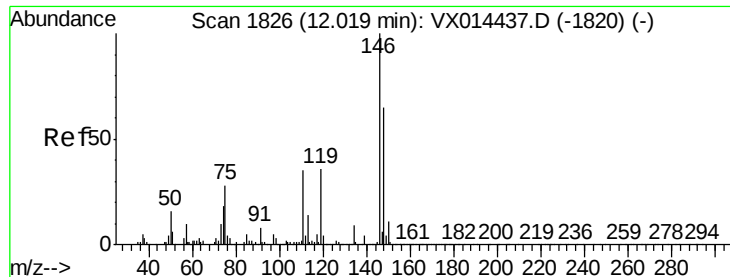
Tot Ion:105 Resp: 326834
 Ion Ratio Lower Upper
 105 100
 134 20.3 10.4 31.1



#86
 p-Isopropyltoluene
 Concen: 11.725 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. 0.00 min
 Lab File: VX014400.D
 Acq: 03 Jan 2020 15:04

Tgt Ion:119 Resp: 286515
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.4 40.1
 91 22.1 11.4 34.1





#87

1,3-Dichlorobenzene

Concen: 104.100 ug/l

RT: 12.03 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

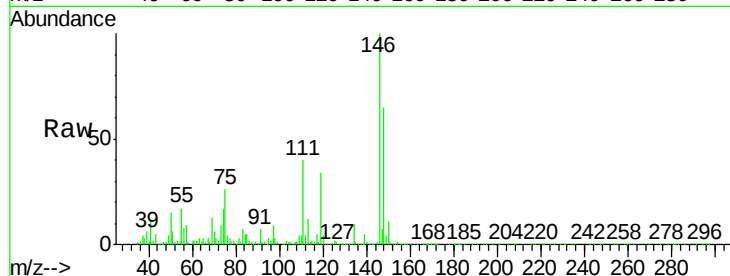
Tot Ion:146 Resp: 1386976

Ion Ratio Lower Upper

146 100

111 47.5 19.1 57.1

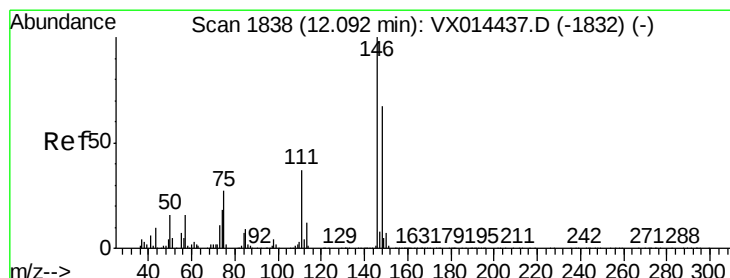
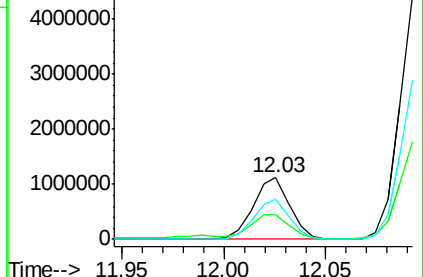
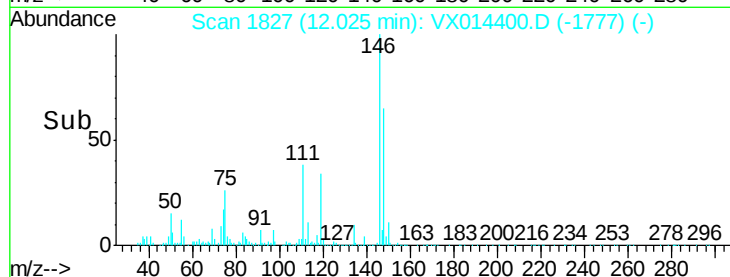
148 64.0 32.3 96.9



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: 435.176 ug/l

RT: 12.10 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

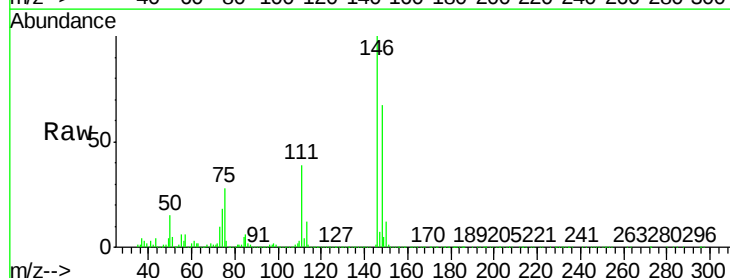
Tgt Ion:146 Resp: 5895486

Ion Ratio Lower Upper

146 100

111 38.7 18.7 56.1

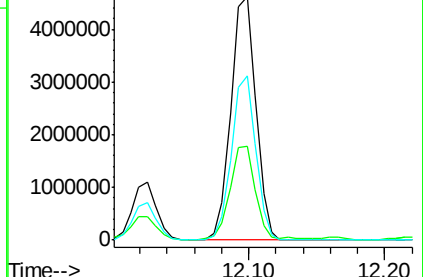
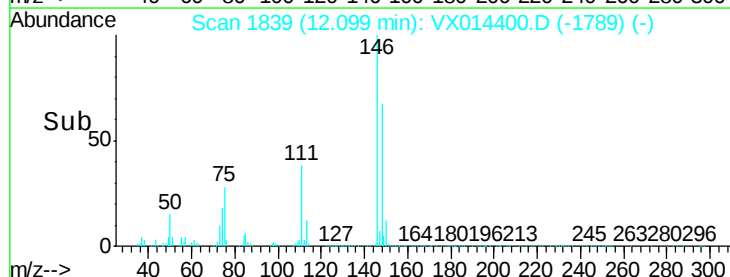
148 65.5 31.9 95.9

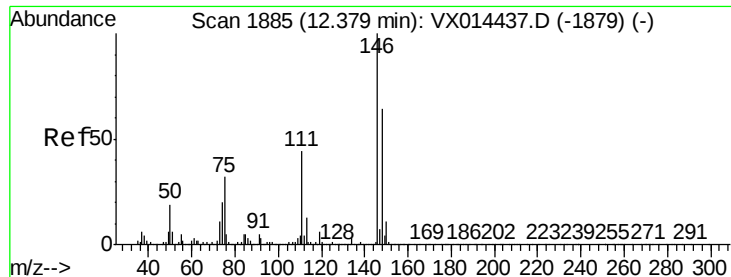


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

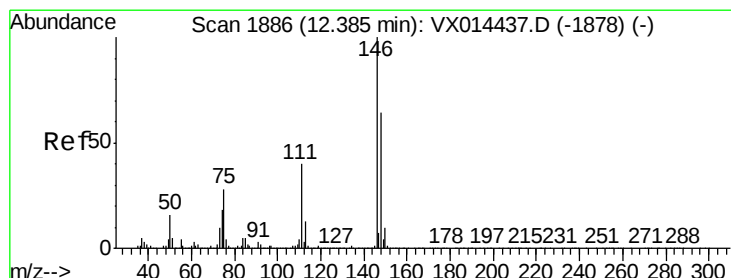
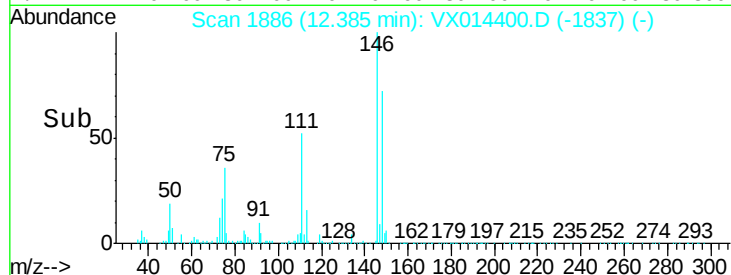
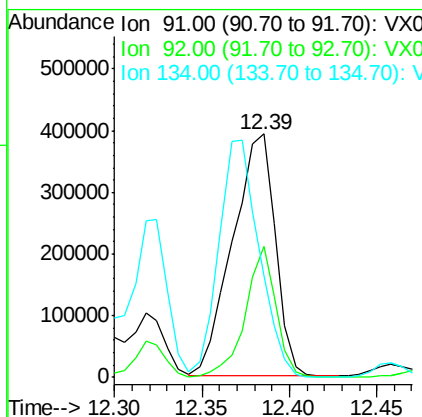
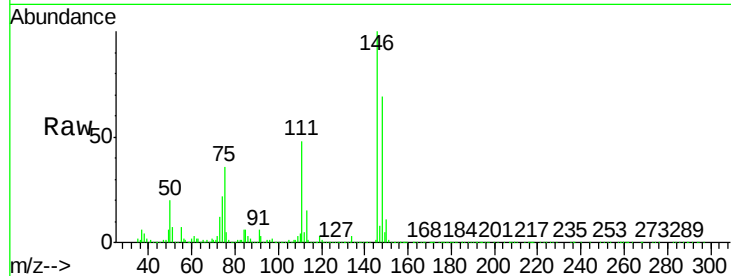




#89
n-Butylbenzene
Concen: 31.885 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

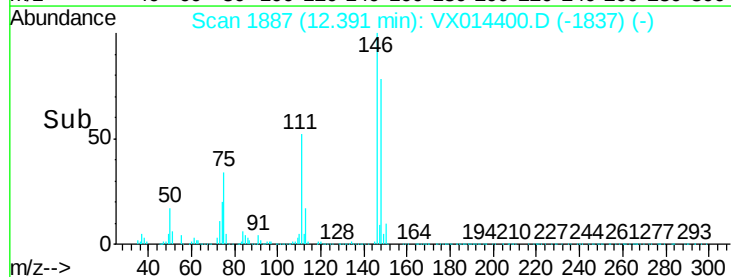
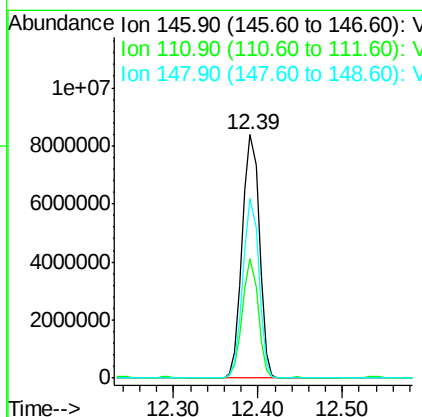
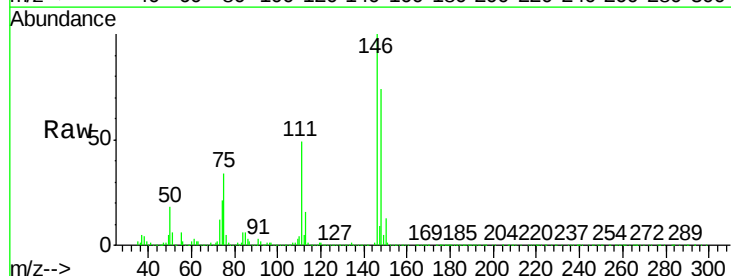
Instrument :
MSVOA_X
ClientSampleId :
WP022SB454_191227-12-14

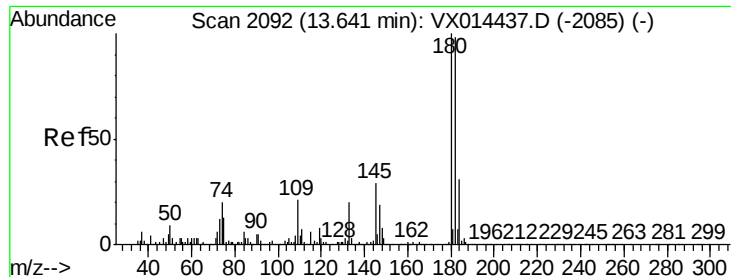
Tot Ion: 91 Resp: 664847
Ion Ratio Lower Upper
91 100
92 38.5 27.2 81.6
134 92.7 13.4 40.1#



#91
1,2-Dichlorobenzene
Concen: 842.189 ug/l
RT: 12.39 min Scan# 1887
Delta R.T. 0.01 min
Lab File: VX014400.D
Acq: 03 Jan 2020 15:04

Tgt Ion:146 Resp:11295643
Ion Ratio Lower Upper
146 100
111 45.0 19.7 59.1
148 69.4 32.1 96.5





#93

1,2,4-Trichlorobenzene

Concen: 83.256 ug/l

RT: 13.64 min Scan# 2092

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

Instrument :

MSVOA_X

ClientSampleId :

WP022SB454_191227-12-14

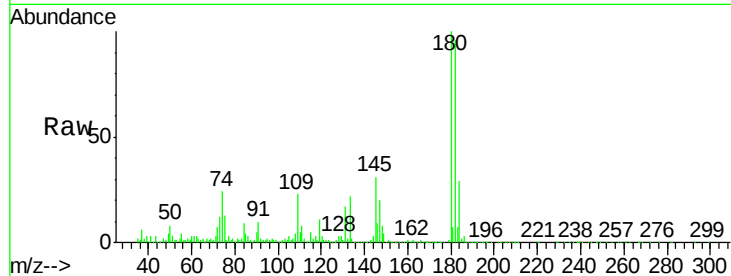
Tot Ion:180 Resp: 725773

Ion Ratio Lower Upper

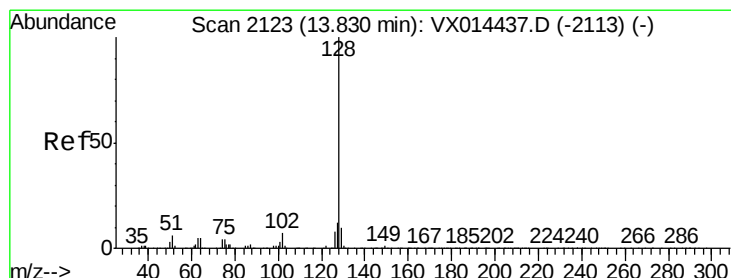
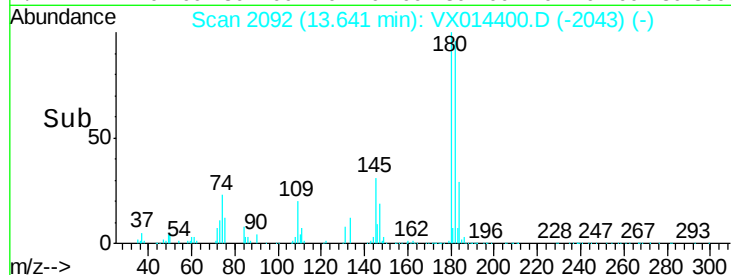
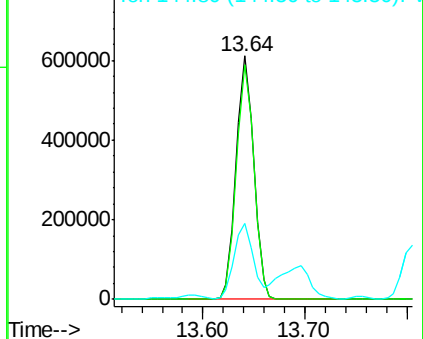
180 100

182 96.2 46.6 139.8

145 33.7 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#95

Naphthalene

Concen: 80.110 ug/l

RT: 13.83 min Scan# 2123

Delta R.T. 0.00 min

Lab File: VX014400.D

Acq: 03 Jan 2020 15:04

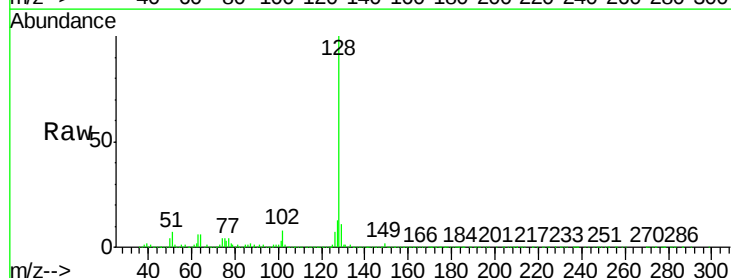
Tgt Ion:128 Resp: 2051783

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

129 11.9 8.7 13.1



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

