

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014147.D
 Acq On : 20 Dec 2019 02:55
 Operator : JC/SP
 Sample : K6372-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

Manual Integrations
 APPROVED

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 12/20/2019 10:23:50 AM

Quant Time: Dec 20 04:58:14 2019
 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	568855	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	863663	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	769207	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	365742	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	304346	47.21	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.42%	
35) Dibromofluoromethane	5.49	113	256044	48.77	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.54%	
50) Toluene-d8	8.71	98	1040857	50.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.84%	
62) 4-Bromofluorobenzene	11.13	95	366123	49.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.00%	
Target Compounds						
					Qvalue	
16) Acetone	2.44	43	11495m	2.746	ug/l	
27) cis-1,2-Dichloroethene	4.59	96	11068	1.623	ug/l	83
31) Cyclohexane	5.58	56	282715	29.346	ug/l #	95
39) Methylcyclohexane	7.45	83	208367	21.295	ug/l #	85
40) Benzene	6.14	78	1873971	76.855	ug/l	100
44) Trichloroethene	7.21	130	12343	1.833	ug/l	87
52) Toluene	8.78	92	145889	9.466	ug/l	100
64) Tetrachloroethene	9.33	164	11118	1.633	ug/l	89
67) Ethyl Benzene	10.25	91	3522388	125.270	ug/l	99
68) m/p-Xylenes	10.35	106	2701175	249.768	ug/l	98
69) o-Xylene	10.70	106	63466	5.984	ug/l	100
73) Isopropylbenzene	11.01	105	768896	29.859	ug/l	99
78) n-propylbenzene	11.35	91	1572519	54.442	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	399978	18.456	ug/l	99
83) tert-Butylbenzene	11.76	119	15861	0.752	ug/l	85
84) 1,2,4-Trimethylbenzene	11.80	105	3377834	155.636	ug/l	98
85) sec-Butylbenzene	11.94	105	121251	4.870	ug/l	99
86) p-Isopropyltoluene	12.06	119	25263	1.109	ug/l #	78
89) n-Butylbenzene	12.38	91	111363m	5.731	ug/l	
95) Naphthalene	13.83	128	3073280	128.750	ug/l	99

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

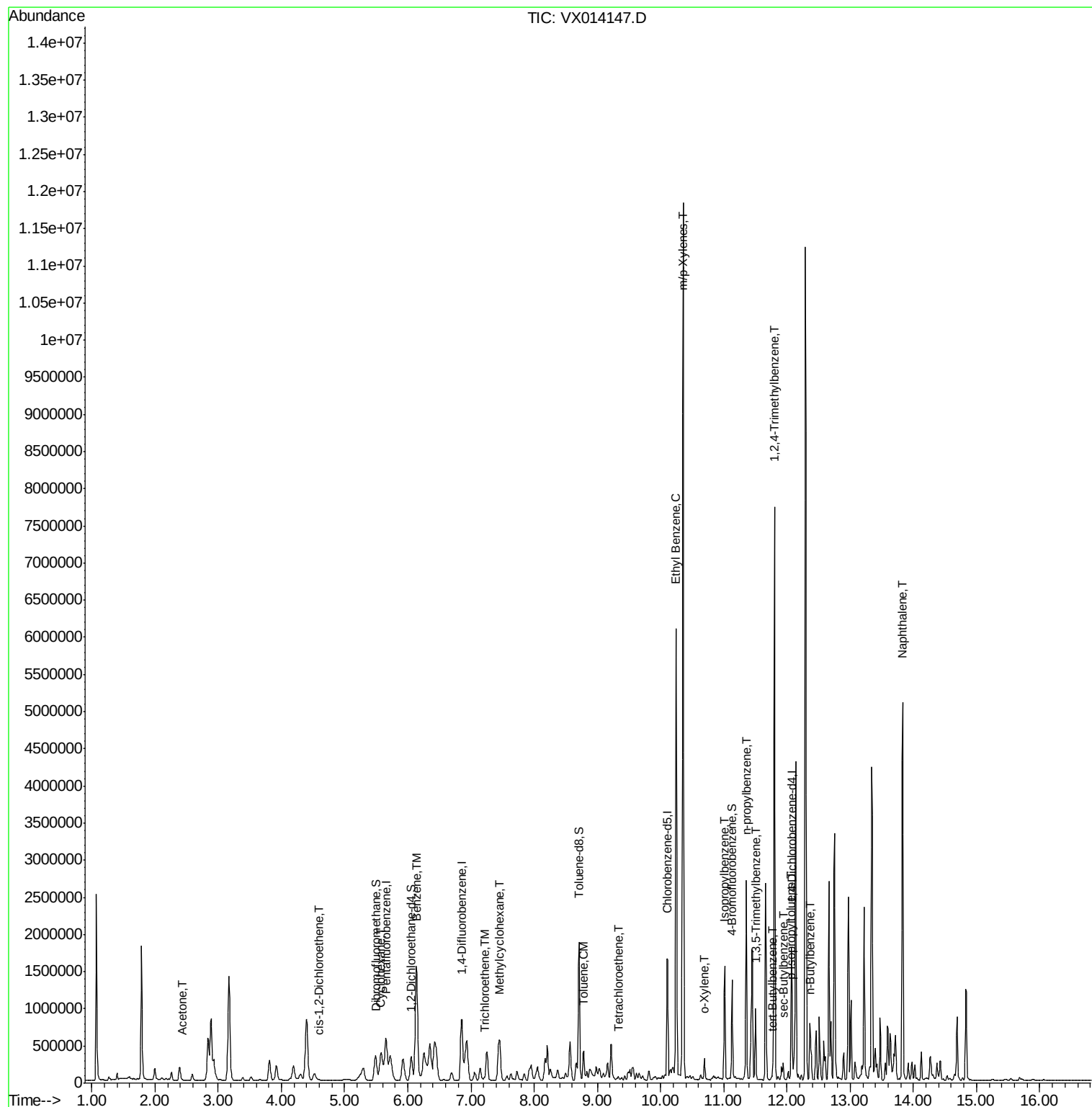
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
Data File : VX014147.D
Acq On : 20 Dec 2019 02:55
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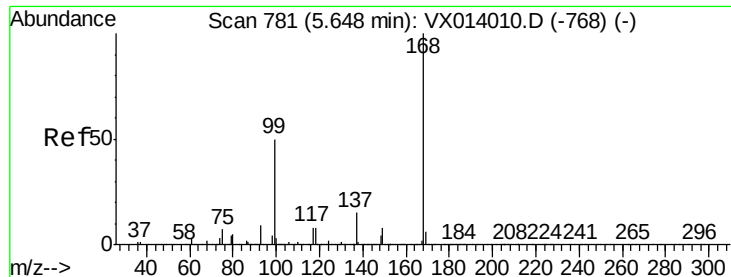
Instrument :
MSVOA_X
ClientSampleId :
MW-2

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Quant Time: Dec 20 04:58:14 2019
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: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:168 Resp: 568855

Ion Ratio Lower Upper

168 100

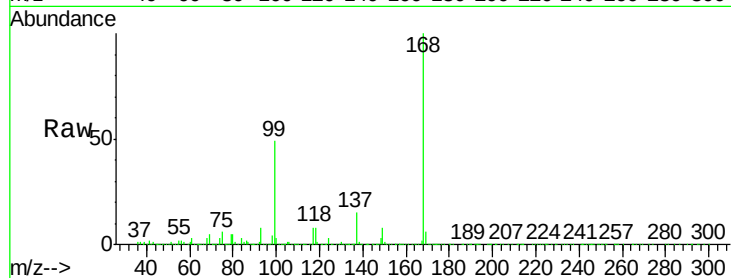
99 48.6 40.3 60.5

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.65

200000

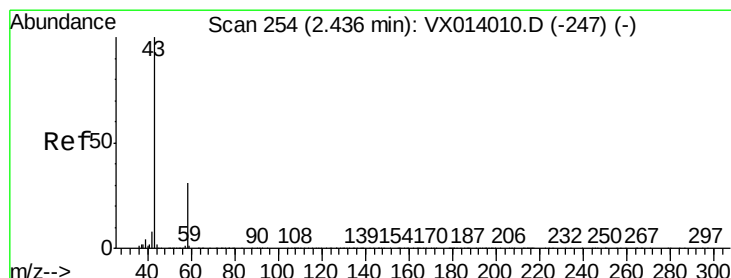
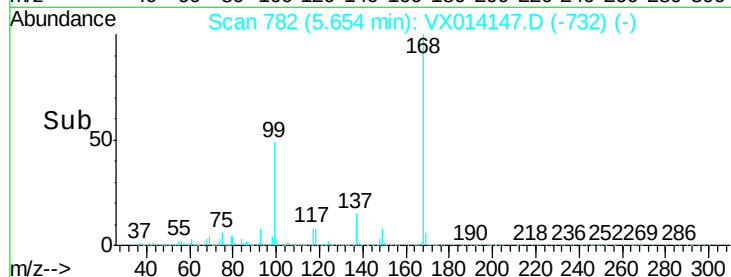
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 2.746 ug/l m

RT: 2.44 min Scan# 254

Delta R.T. 0.00 min

Lab File: VX014147.D

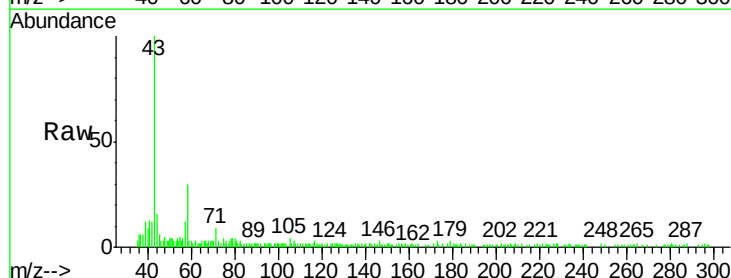
Acq: 20 Dec 2019 02:55

Tgt Ion: 43 Resp: 11495

Ion Ratio Lower Upper

43 100

58 30.1 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

40000

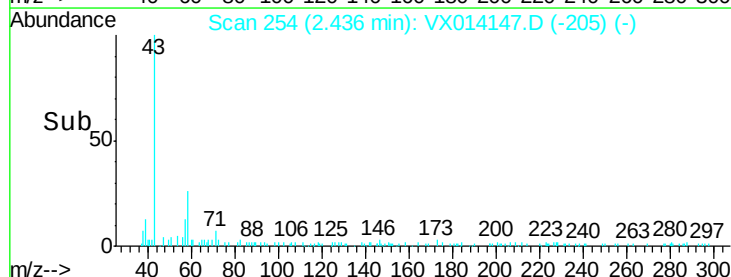
30000

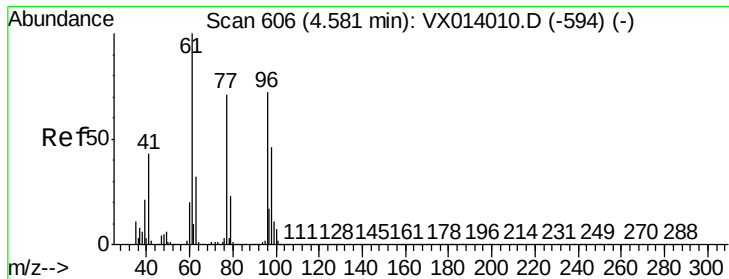
20000

10000

0

Time-->





#27

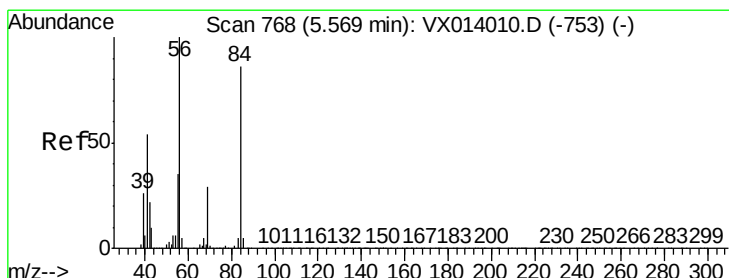
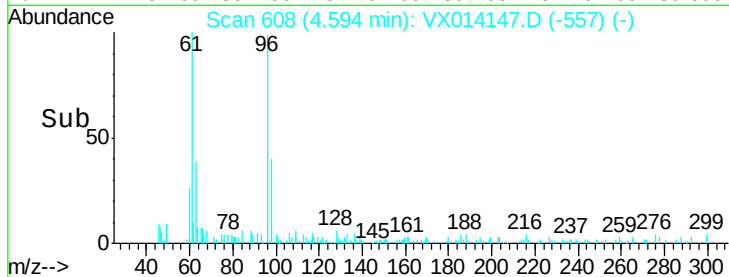
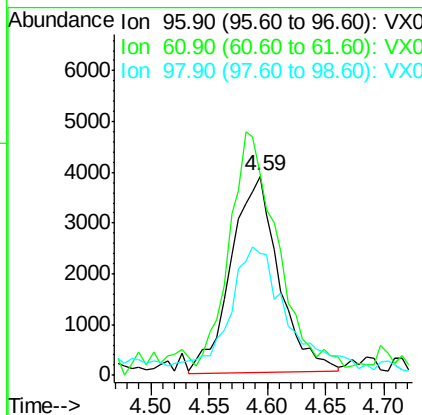
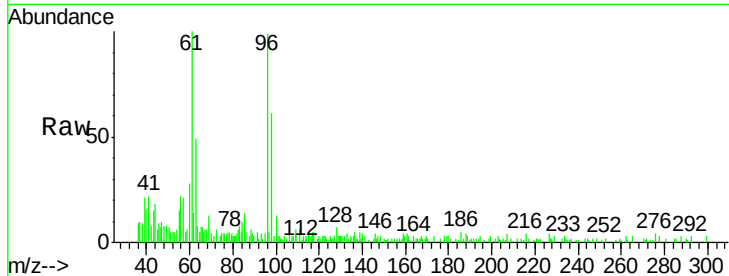
cis-1,2-Dichloroethene
Concen: 1.623 ug/l
RT: 4.59 min Scan# 608
Delta R.T. 0.01 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
96	100	11068		
61	123.0	0.0	288.4	
98	76.8	0.0	129.6	

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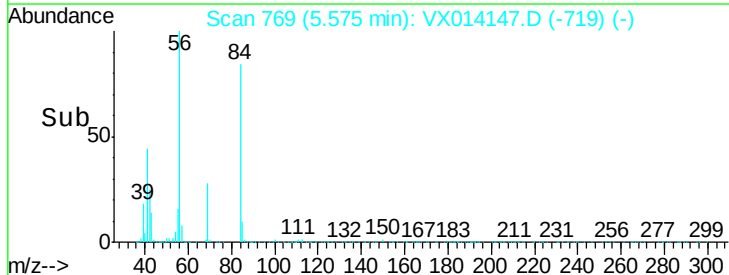
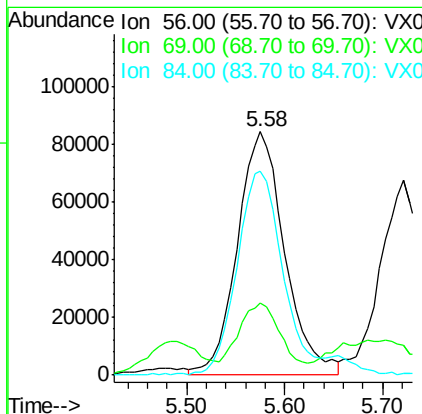
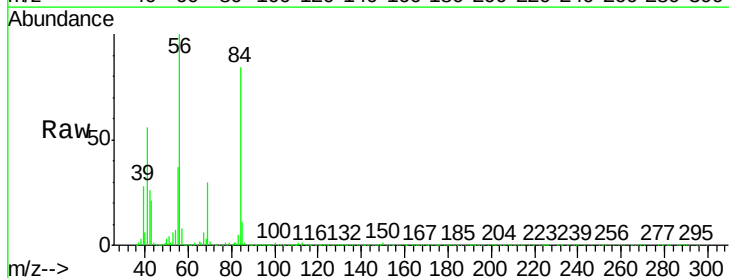
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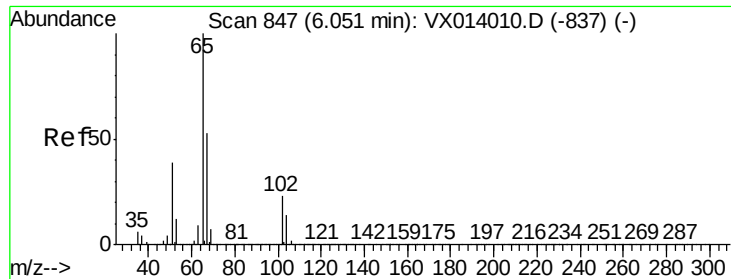


#31

Cyclohexane
Concen: 29.346 ug/l
RT: 5.58 min Scan# 769
Delta R.T. 0.01 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Tgt Ion	Ratio	Resp	Lower	Upper
56	100	282715		
69	18.8	23.2	34.8#	
84	85.8	69.2	103.8	





#33

1,2-Dichloroethane-d4

Concen: 47.206 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 65 Resp: 304346

Ion Ratio Lower Upper

65 100

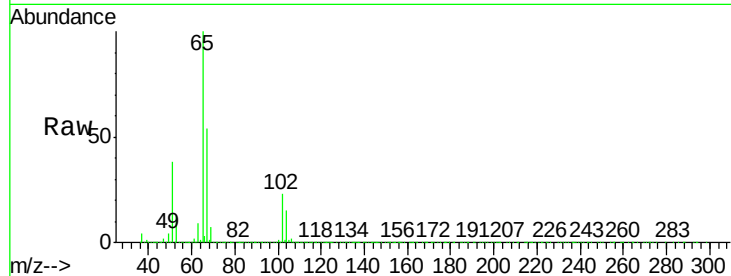
67 52.0 0.0 106.4

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

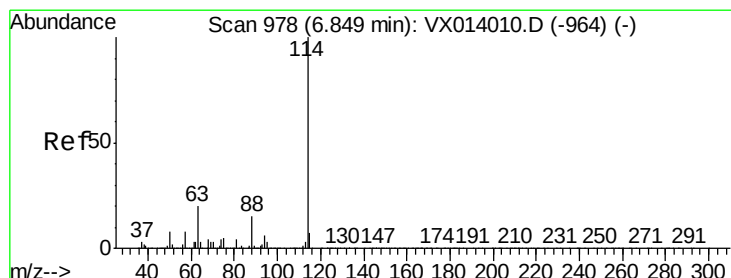
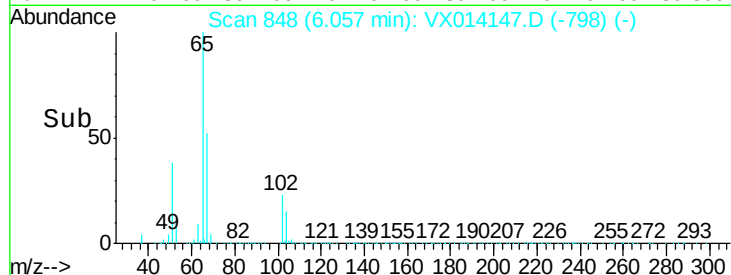
6.06

100000

50000

0

Time--> 5.90 6.00 6.10 6.20



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 979

Delta R.T. 0.01 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

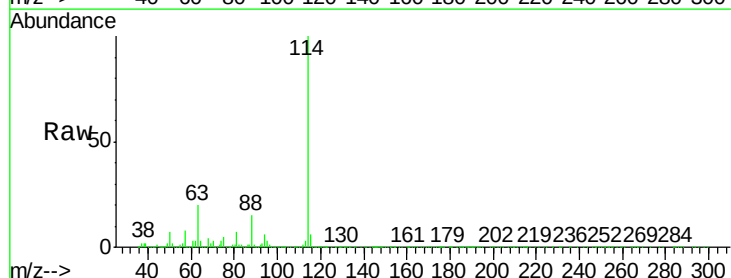
Tgt Ion: 114 Resp: 863663

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 15.2 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

500000

400000

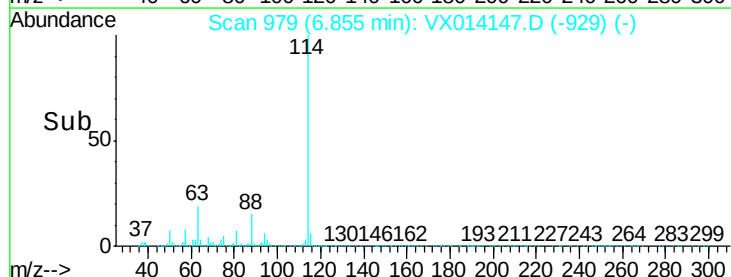
300000

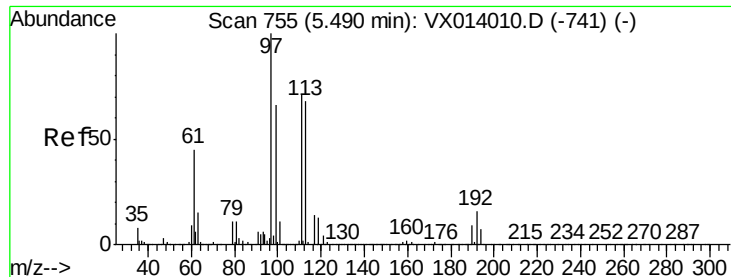
200000

100000

0

Time--> 6.70 6.80 6.90 7.00





#35

Dibromofluoromethane

Concen: 48.769 ug/l

RT: 5.49 min Scan# 755

Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

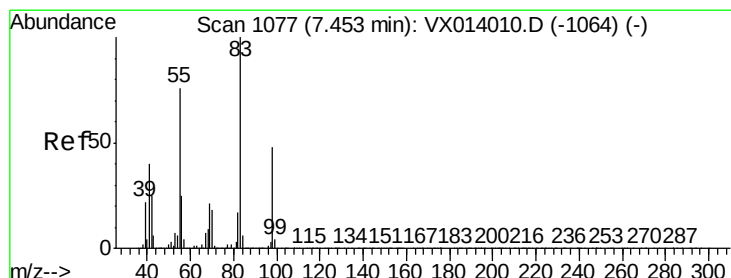
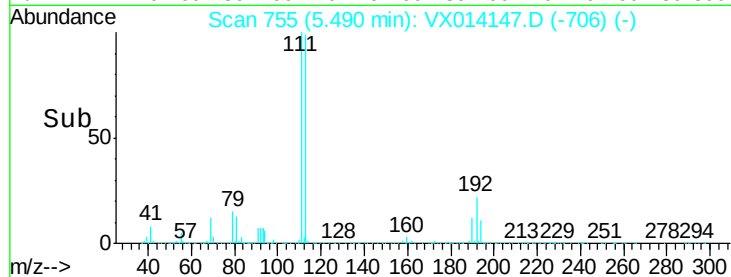
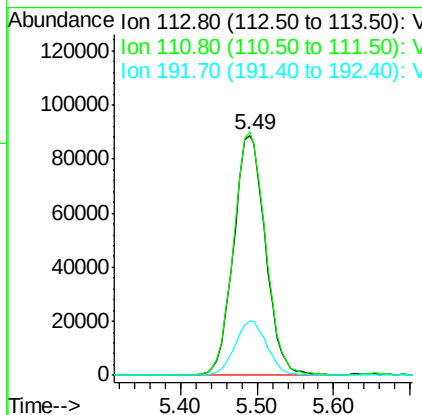
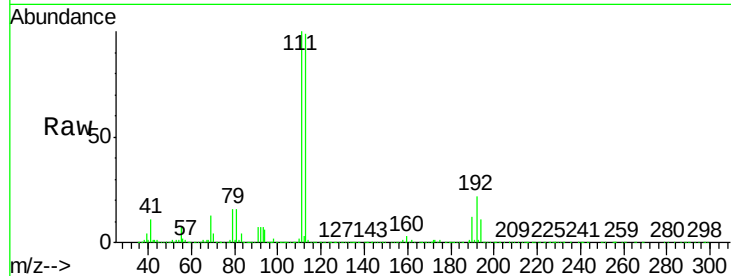
ClientSampled :

MW-2

Tot Ion:	113	Resp:	256044
Ion Ratio	Lower	Upper	
113	100		
111	101.6	82.0	123.0
192	23.2	19.3	28.9

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#39

Methylcyclohexane

Concen: 21.295 ug/l

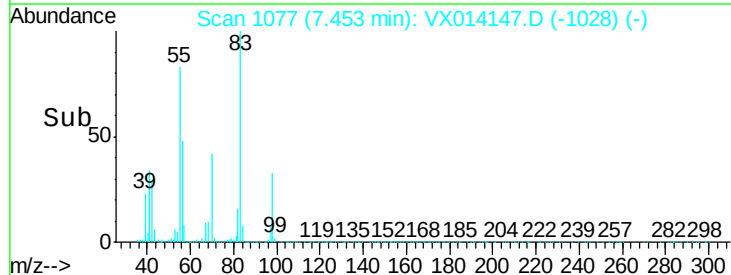
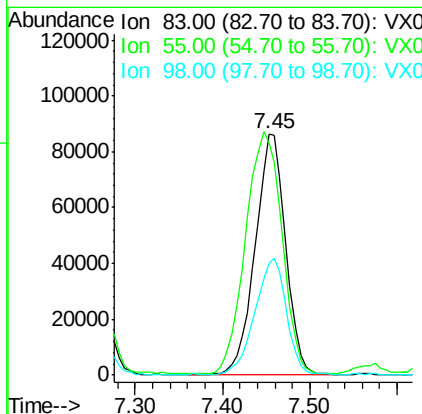
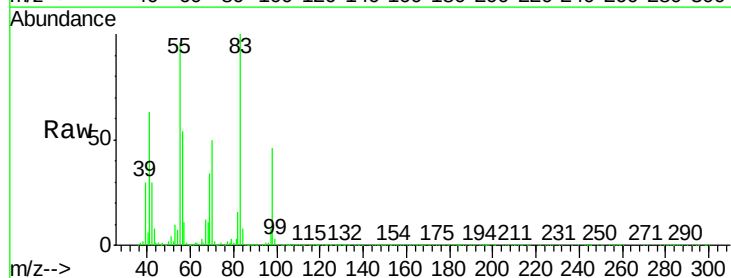
RT: 7.45 min Scan# 1077

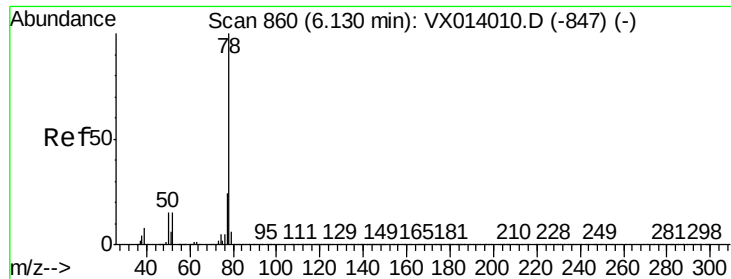
Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Tgt Ion:	83	Resp:	208367
Ion Ratio	Lower	Upper	
83	100		
55	95.8	61.0	91.6#
98	46.2	38.6	57.8





#40

Benzene

Concen: 76.855 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 78 Resp: 1873971

Ion Ratio Lower Upper

78 100

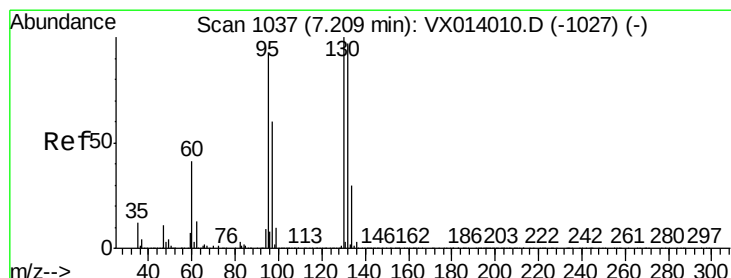
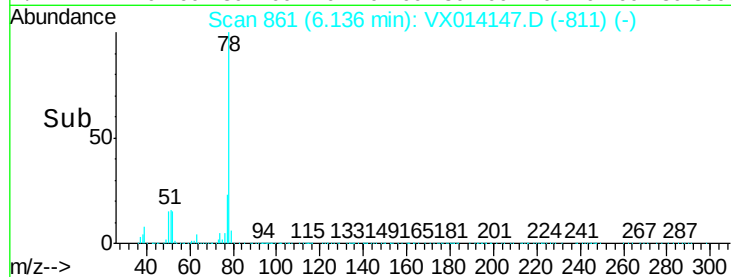
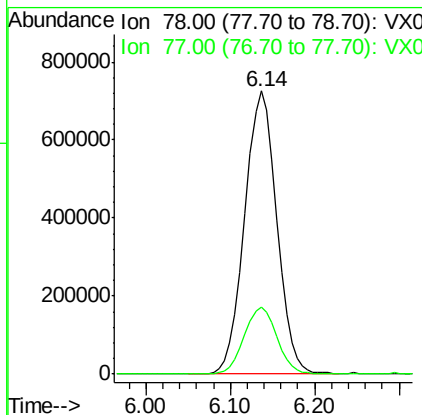
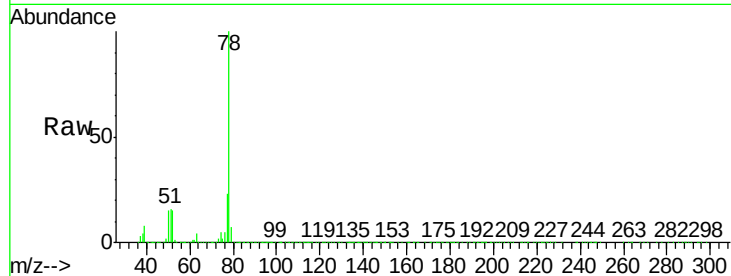
77 23.5 18.8 28.2

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#44

Trichloroethene

Concen: 1.833 ug/l

RT: 7.21 min Scan# 1037

Delta R.T. 0.00 min

Lab File: VX014147.D

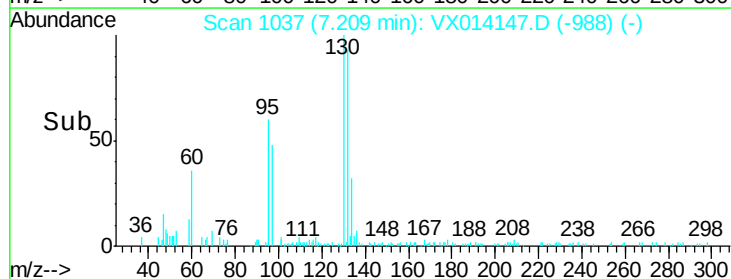
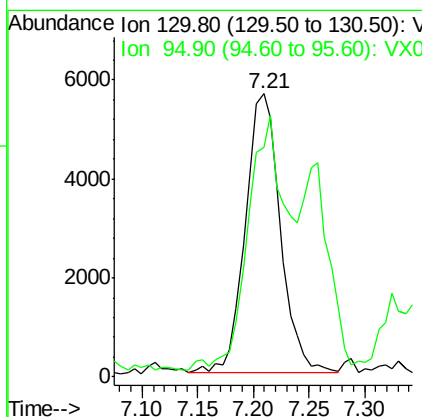
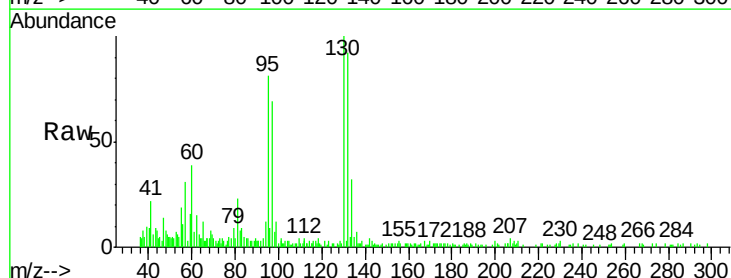
Acq: 20 Dec 2019 02:55

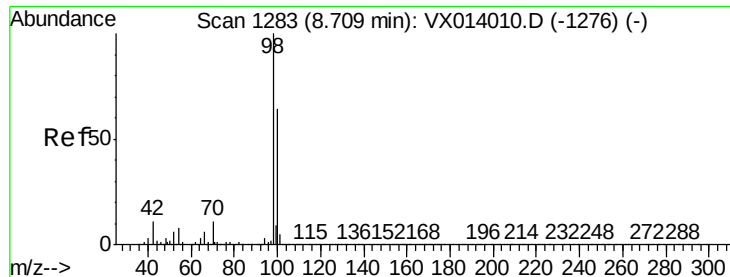
Tgt Ion: 130 Resp: 12343

Ion Ratio Lower Upper

130 100

95 80.2 0.0 185.6





#50

Toluene-d8

Concen: 50.923 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 98 Resp: 1040857

Ion Ratio Lower Upper

98 100

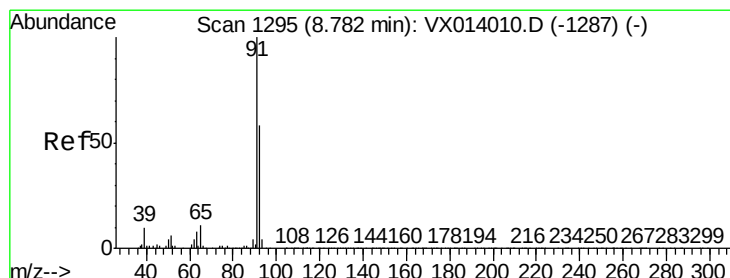
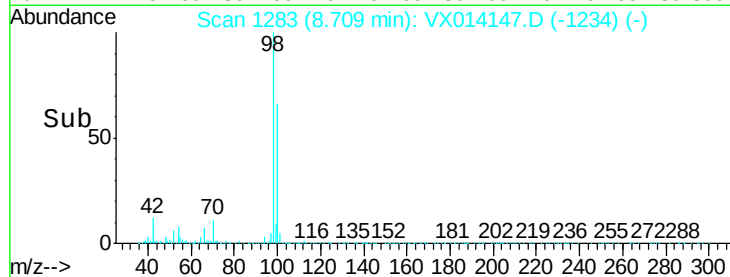
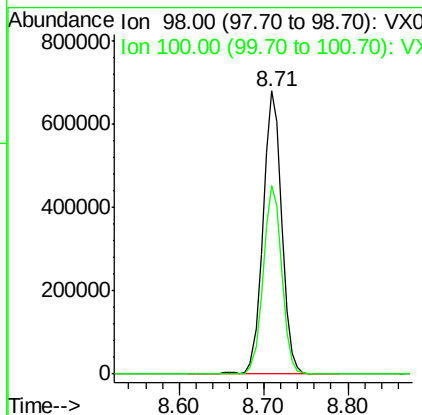
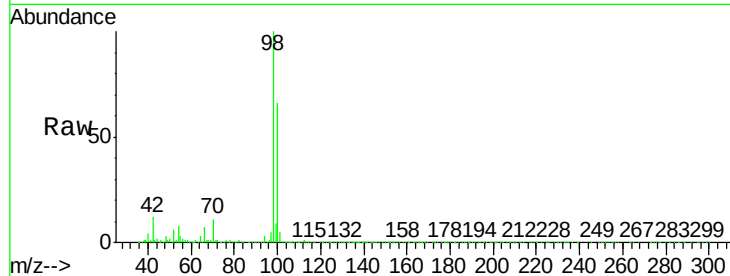
100 65.8 52.9 79.3

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#52

Toluene

Concen: 9.466 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014147.D

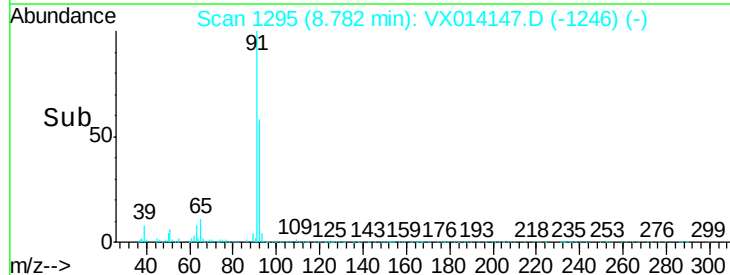
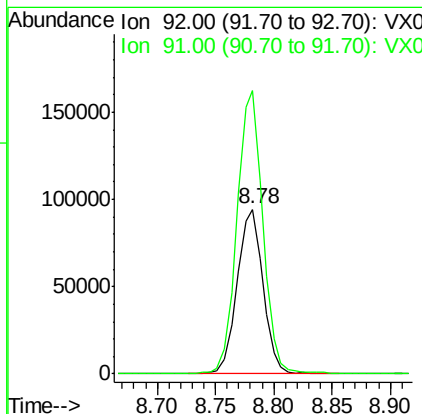
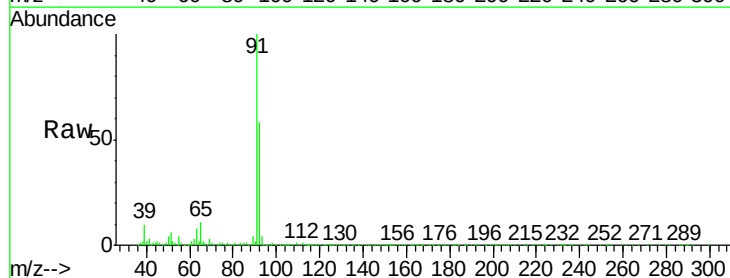
Acq: 20 Dec 2019 02:55

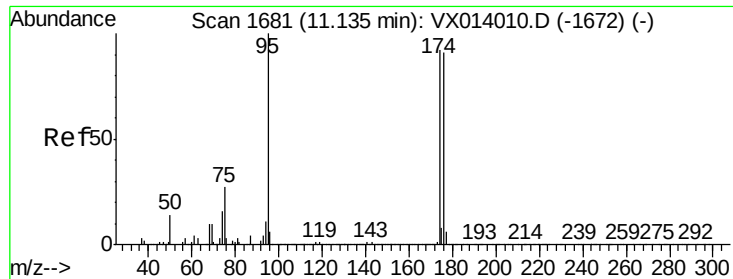
Tgt Ion: 92 Resp: 145889

Ion Ratio Lower Upper

92 100

91 170.8 136.2 204.4





#62

4-Bromofluorobenzene

Concen: 49.001 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

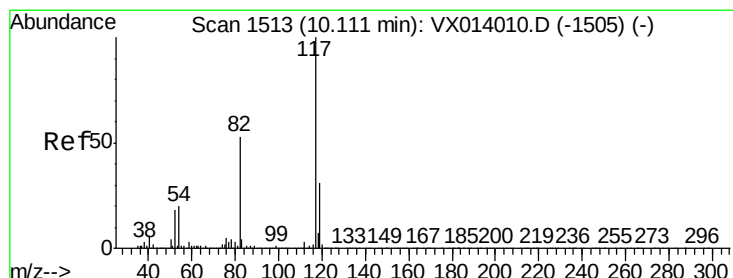
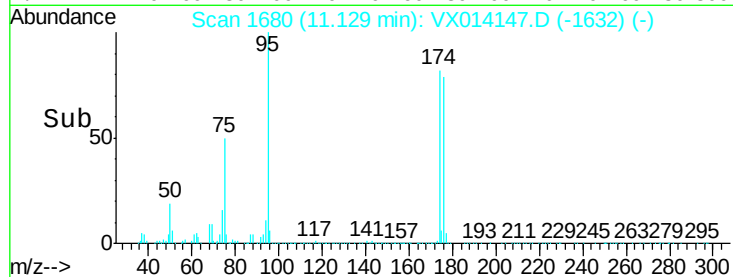
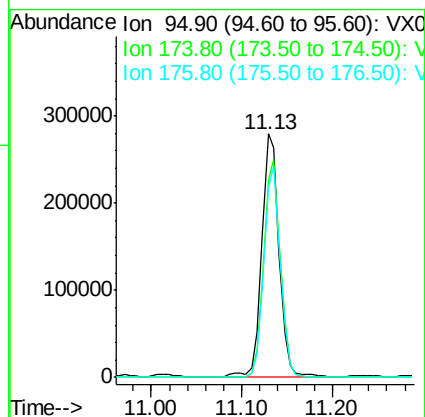
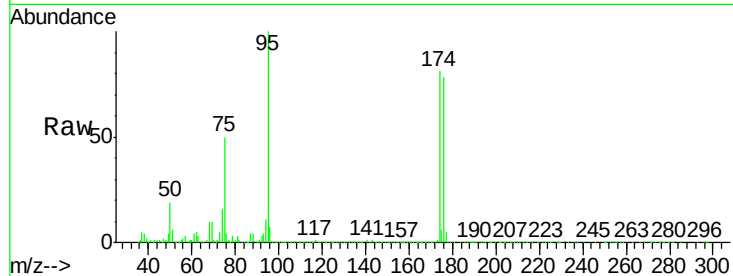
ClientSampled :

MW-2

Tot Ion:	95	Resp:	366123
Ion Ratio	Lower	Upper	
95	100		
174	86.7	0.0	175.8
176	82.7	0.0	173.0

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

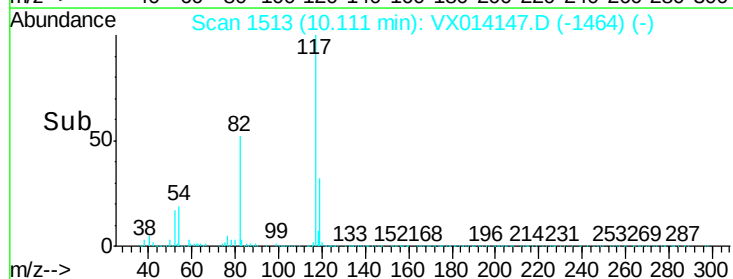
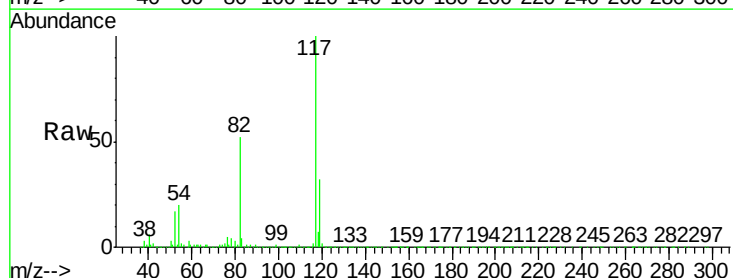
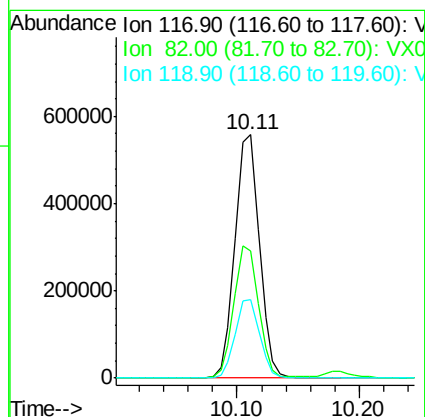
RT: 10.11 min Scan# 1513

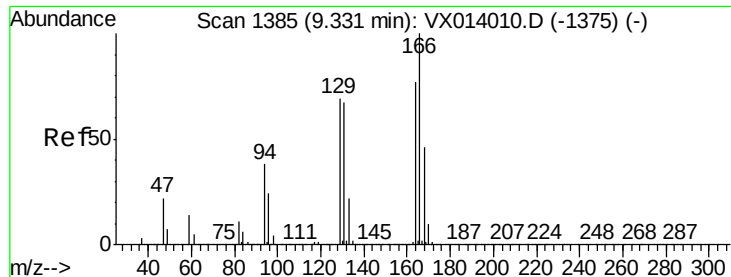
Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Tgt Ion:	117	Resp:	769207
Ion Ratio	Lower	Upper	
117	100		
82	52.0	42.2	63.4
119	32.0	25.1	37.7





#64

Tetrachloroethene

Concen: 1.633 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

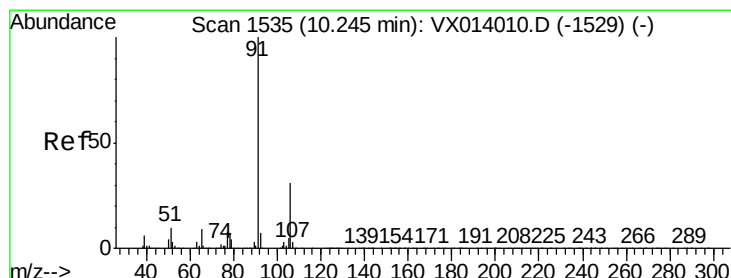
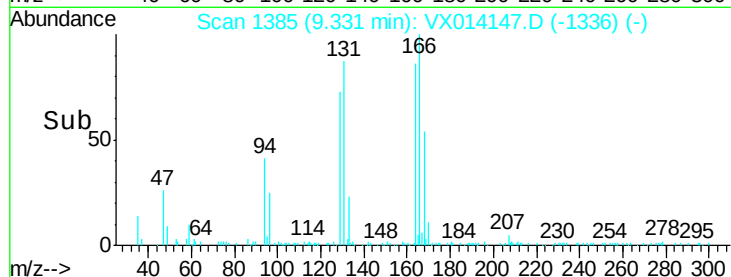
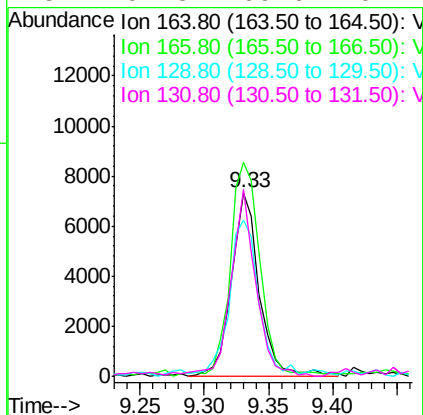
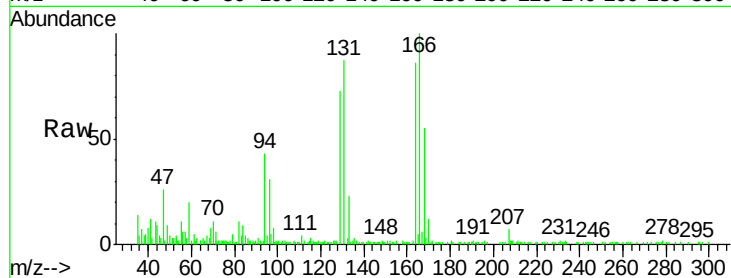
ClientSampled :

MW-2

Tot Ion:	164	Resp:	11118
Ion	Ratio	Lower	Upper
164	100		
166	116.6	104.0	156.0
129	85.6	72.2	108.4
131	101.3	69.6	104.4

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#67

Ethyl Benzene

Concen: 125.270 ug/l

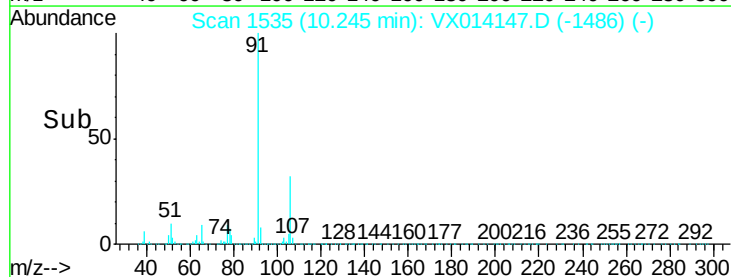
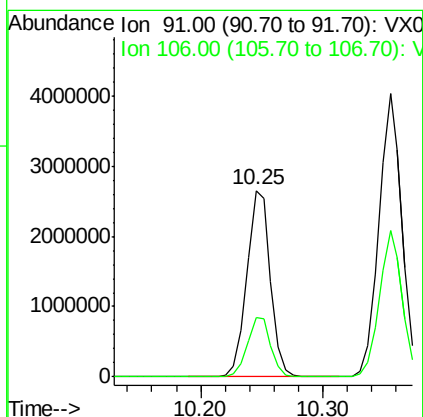
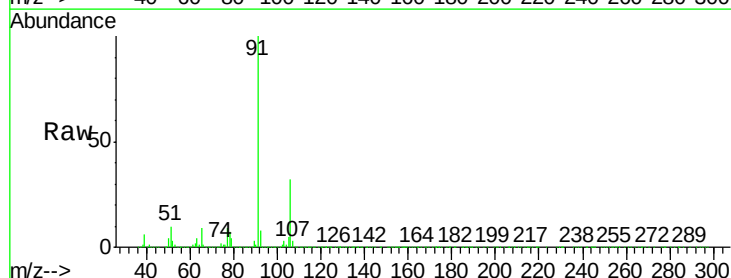
RT: 10.25 min Scan# 1535

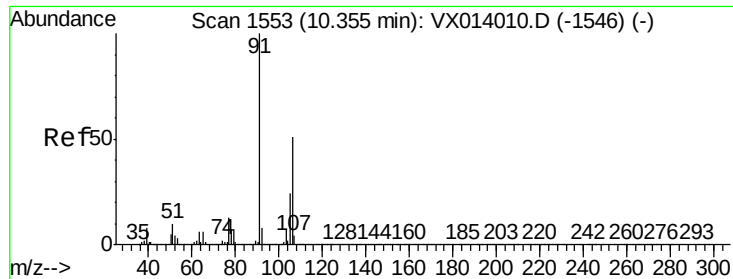
Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Tgt Ion:	91	Resp:	3522388
Ion	Ratio	Lower	Upper
91	100		
106	31.8	25.0	37.6





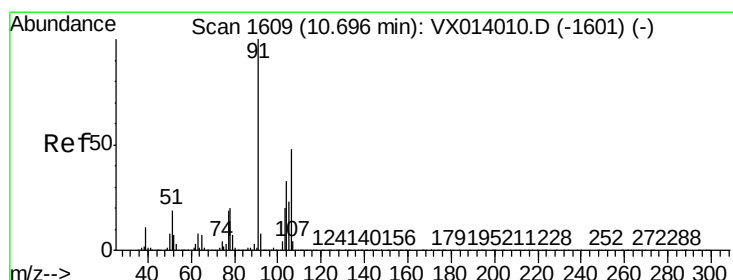
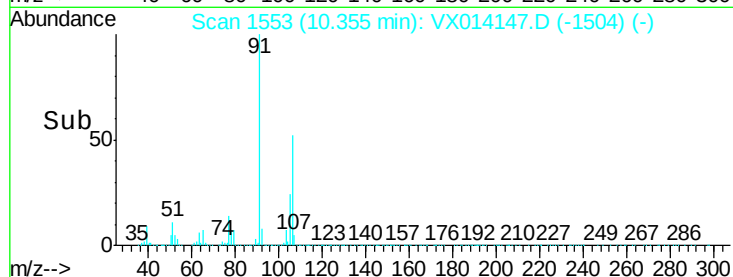
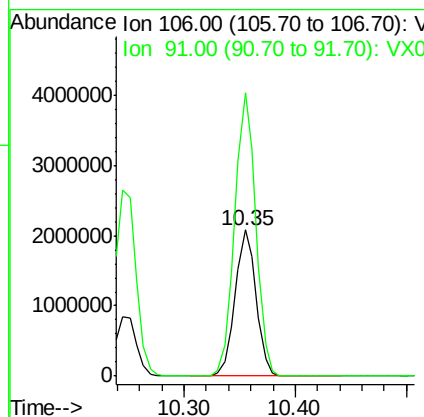
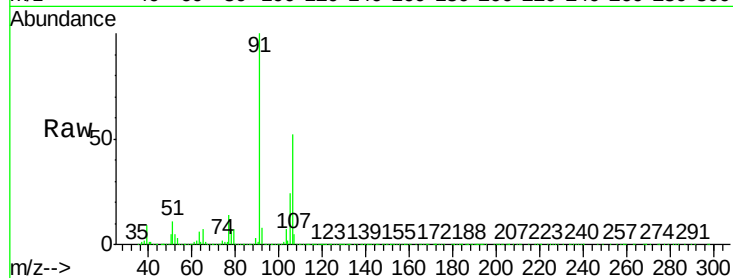
#68
m/p-Xylenes
Concen: 249.768 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:106 Resp: 2701175
Ion Ratio Lower Upper
106 100
91 195.1 158.6 238.0

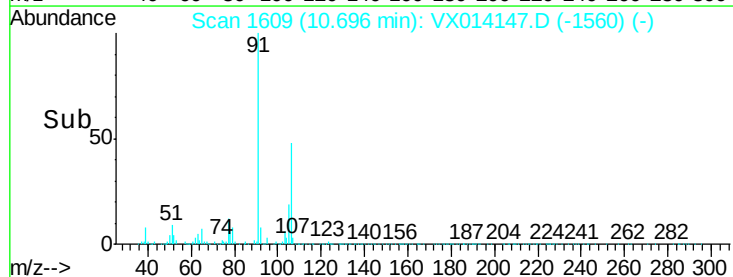
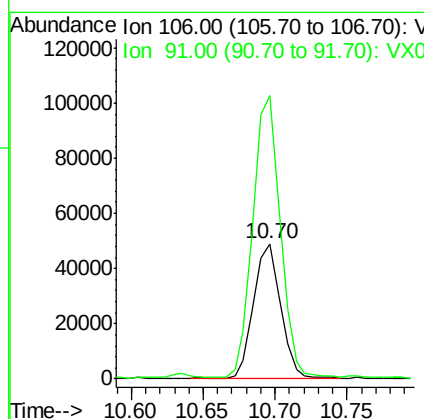
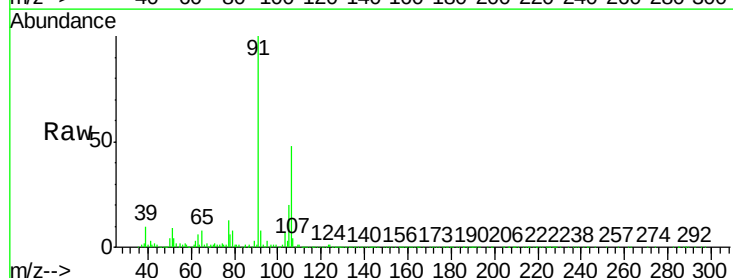
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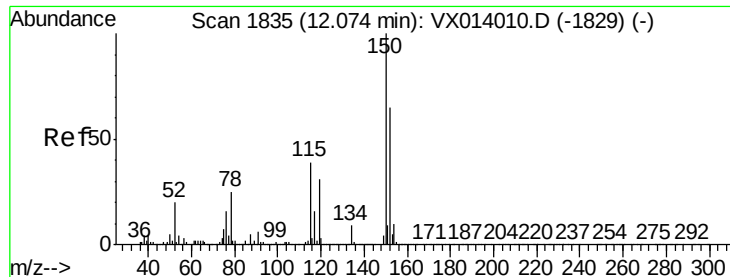
apatel
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#69
o-Xylene
Concen: 5.984 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Tgt Ion:106 Resp: 63466
Ion Ratio Lower Upper
106 100
91 208.1 104.2 312.6





#72

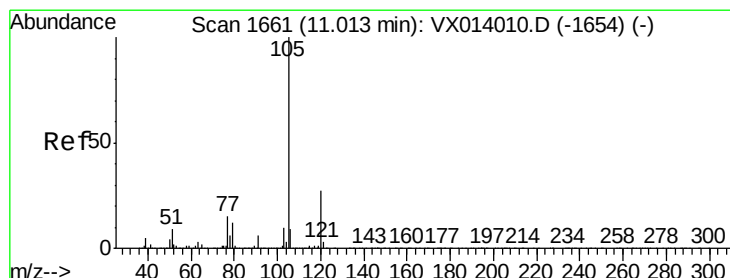
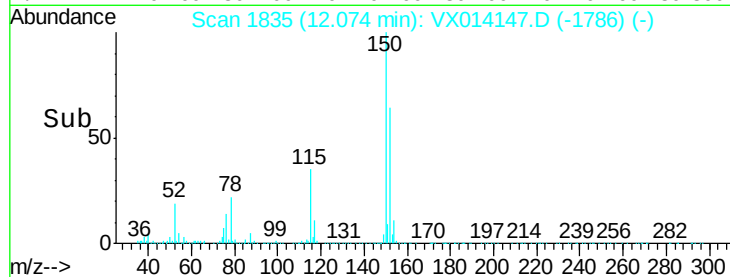
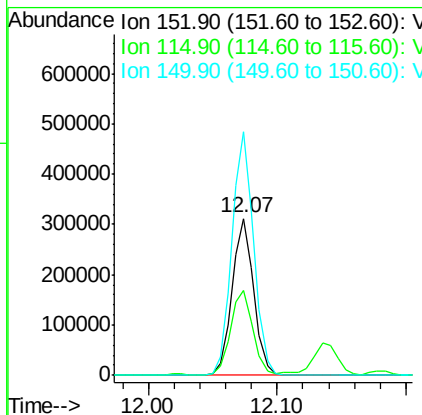
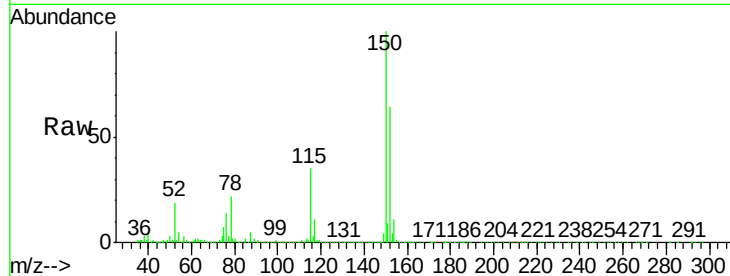
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
152	100	365742		
115	56.4	38.3	114.9	
150	156.3	0.0	345.4	

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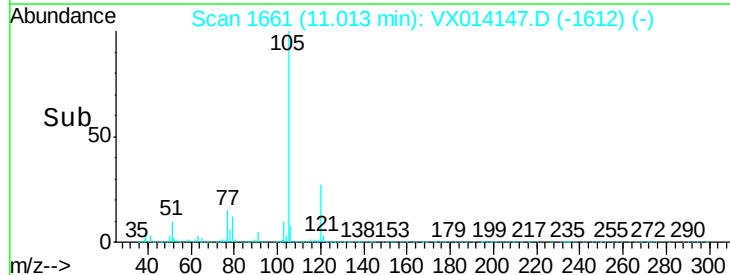
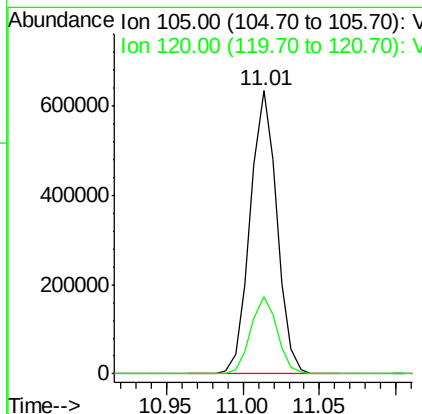
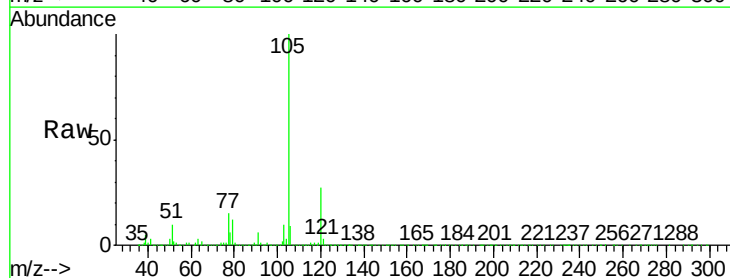
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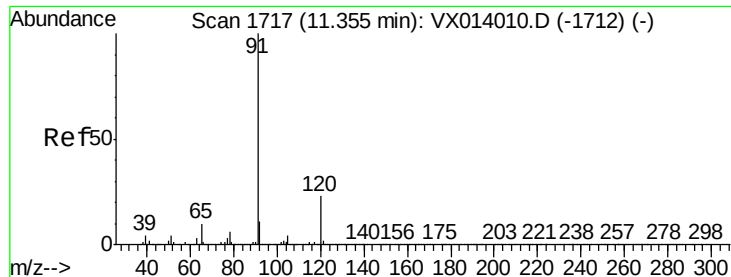


#73

Isopropylbenzene
Concen: 29.859 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	768896		
120	27.2	13.5	40.4	





#78

n-propylbenzene

Concen: 54.442 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 91 Resp: 1572519

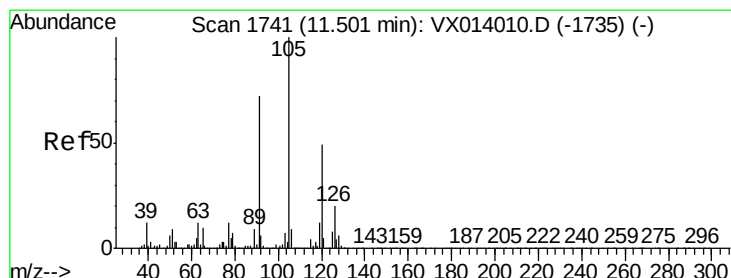
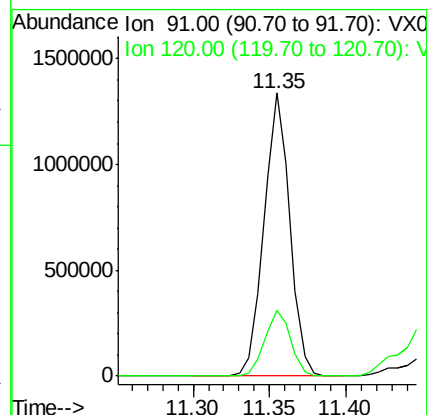
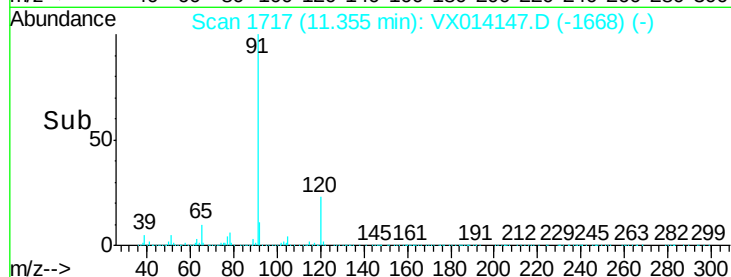
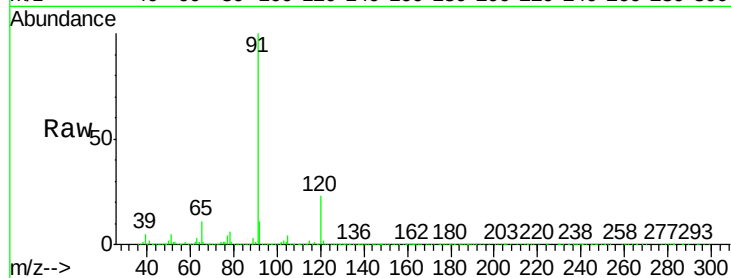
Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.0

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#80

1,3,5-Trimethylbenzene

Concen: 18.456 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014147.D

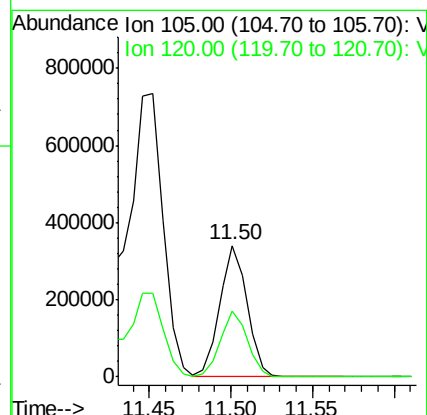
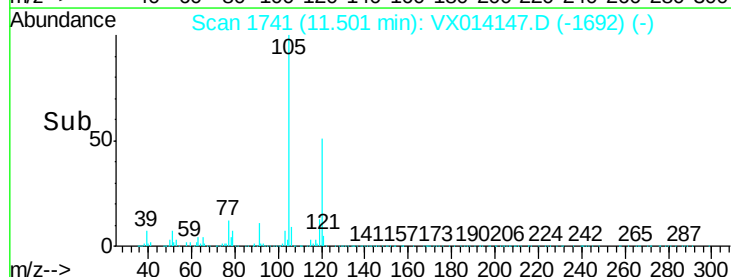
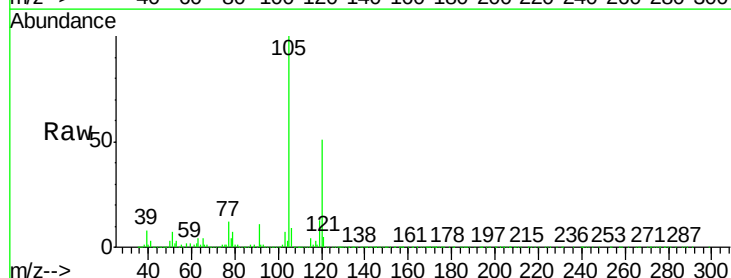
Acq: 20 Dec 2019 02:55

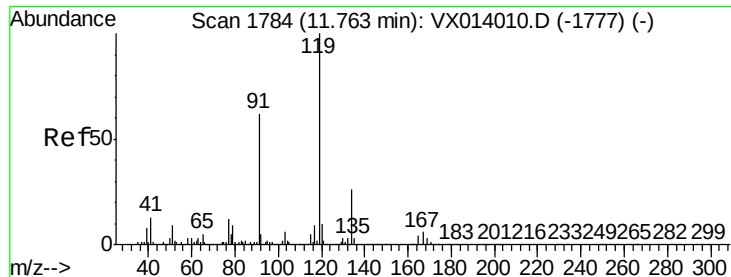
Tgt Ion: 105 Resp: 399978

Ion Ratio Lower Upper

105 100

120 50.0 25.3 75.8





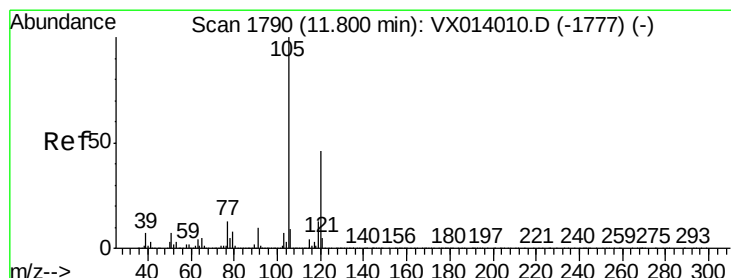
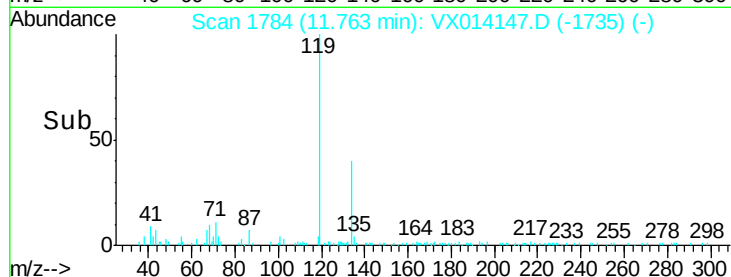
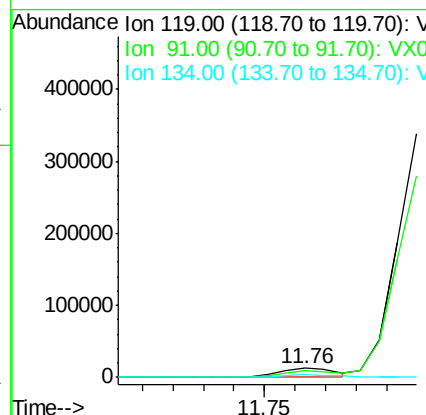
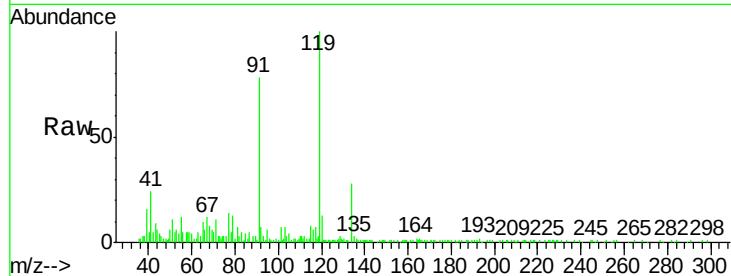
#83
tert-Butylbenzene
Concen: 0.752 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
91	70.6	28.5	85.6
134	28.0	12.2	36.6

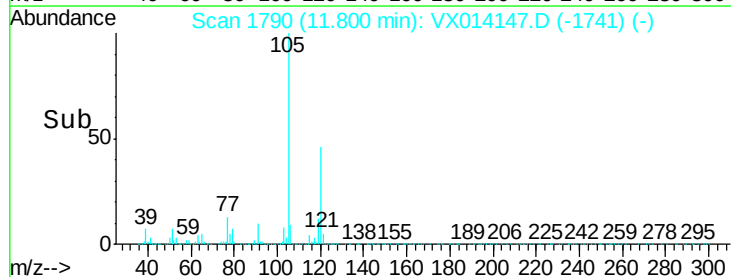
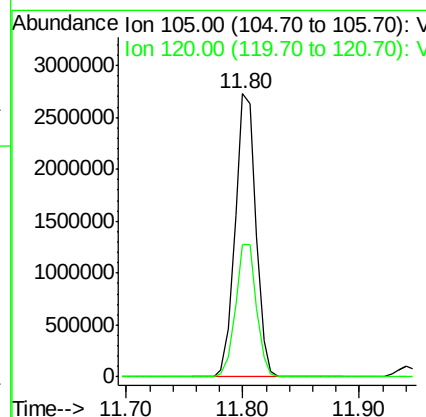
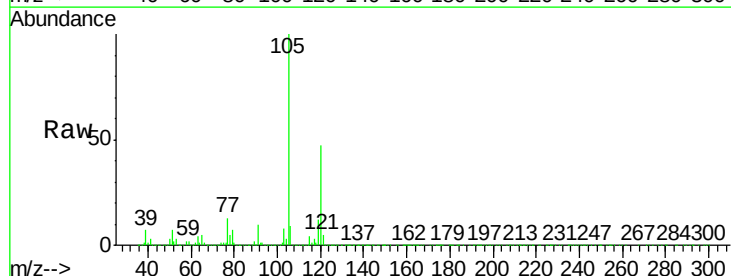
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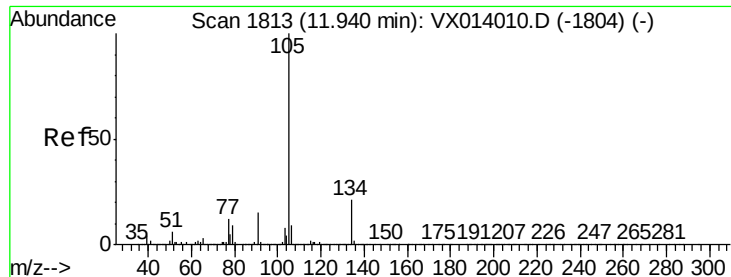
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#84
1,2,4-Trimethylbenzene
Concen: 155.636 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.3	23.1	69.2





#85

sec-Butylbenzene

Concen: 4.870 ug/l

RT: 11.94 min Scan# 1813

Delta R.T. 0.00 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:105 Resp: 121251

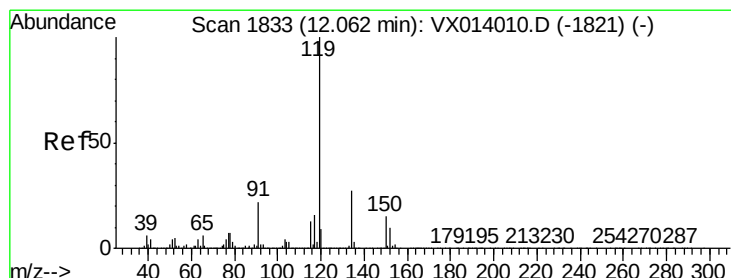
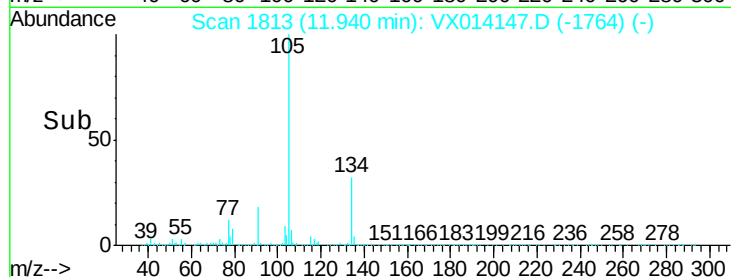
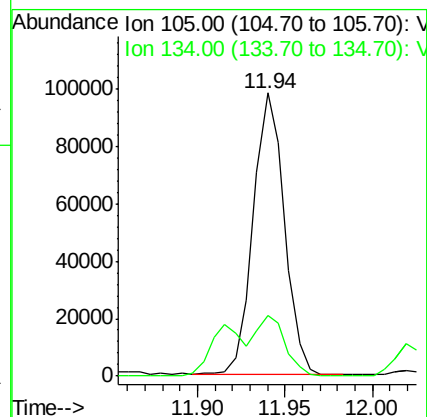
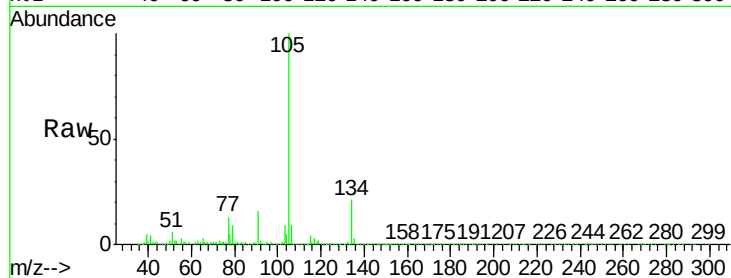
Ion Ratio Lower Upper

105 100

134 20.2 10.4 31.1

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#86

p-Isopropyltoluene

Concen: 1.109 ug/l

RT: 12.06 min Scan# 1832

Delta R.T. -0.01 min

Lab File: VX014147.D

Acq: 20 Dec 2019 02:55

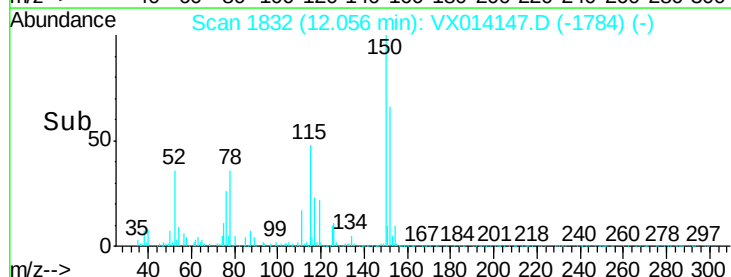
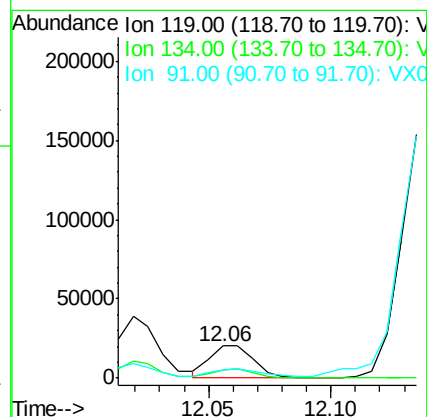
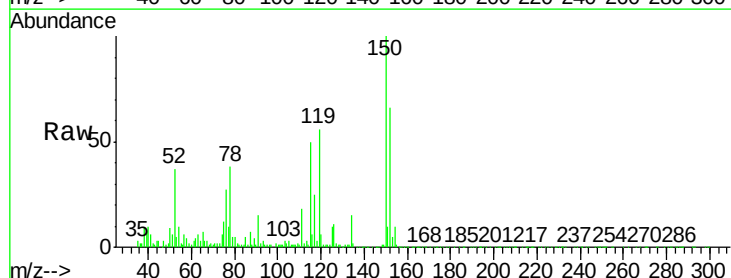
Tgt Ion:119 Resp: 25263

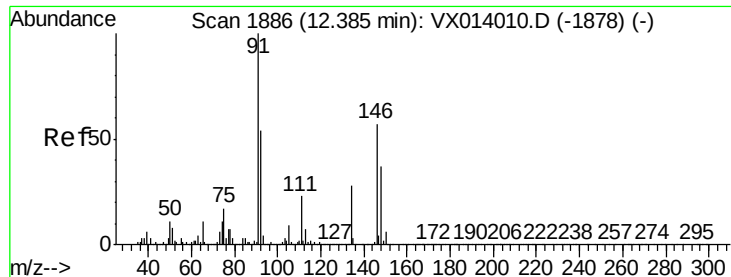
Ion Ratio Lower Upper

119 100

134 27.0 13.4 40.1

91 0.0 11.4 34.1#





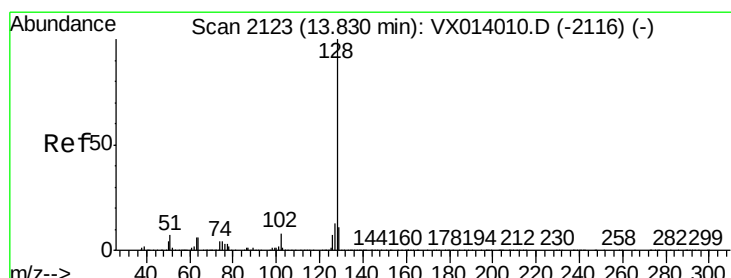
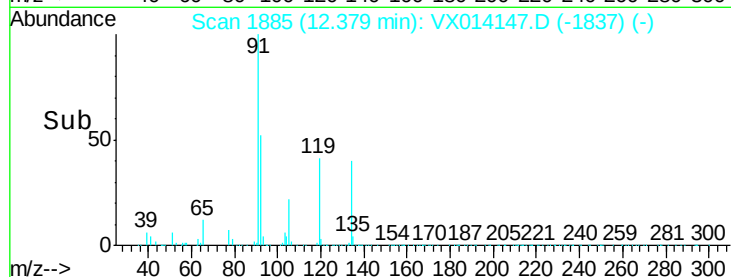
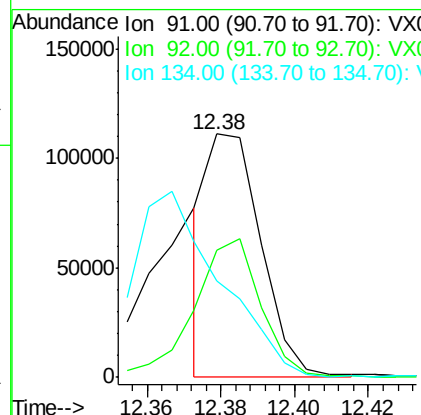
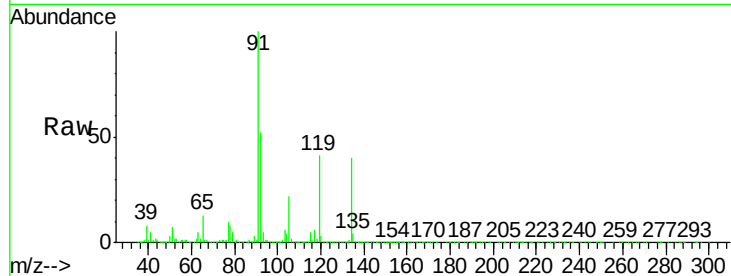
#89
n-Butylbenzene
Concen: 5.731 ug/l m
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
91	100		
92	71.3	27.2	81.6
134	125.3	13.4	40.1#

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#95
Naphthalene
Concen: 128.750 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014147.D
Acq: 20 Dec 2019 02:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.3	8.7	13.1

