

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014156.D
 Acq On : 20 Dec 2019 06:25
 Operator : JC/SP
 Sample : K6372-17
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Manual Integrations
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 12/20/2019 10:24:00 AM

Quant Time: Dec 20 07:46:53 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	556797	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	845404	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	766095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	380820	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	302092	47.87	ug/l	0.00
Spiked Amount			Recovery	=	95.74%	
35) Dibromofluoromethane	5.49	113	250921	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	8.71	98	1022806	51.12	ug/l	0.00
Spiked Amount			Recovery	=	102.24%	
62) 4-Bromofluorobenzene	11.14	95	363620	49.72	ug/l	0.00
Spiked Amount			Recovery	=	99.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.44	43	5177	1.264	ug/l #	75
19) Methyl tert-butyl Ether	3.19	73	9132	0.519	ug/l	97
39) Methylcyclohexane	7.46	83	210837	22.012	ug/l	96
40) Benzene	6.14	78	112188	4.700	ug/l	95
44) Trichloroethene	7.20	130	2977	0.452	ug/l	95
52) Toluene	8.78	92	30504	2.022	ug/l	99
67) Ethyl Benzene	10.25	91	8467570	302.362	ug/l	95
68) m/p-Xylenes	10.36	106	342497	31.798	ug/l	99
69) o-Xylene	10.70	106	230024	21.775	ug/l	98
73) Isopropylbenzene	11.01	105	3328517	124.140	ug/l	99
78) n-propylbenzene	11.35	91	3264454	108.543	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	2270957	100.638	ug/l	100
84) 1,2,4-Trimethylbenzene	11.81	105	11320749	500.958	ug/l	89
85) sec-Butylbenzene	11.94	105	103990m	4.011	ug/l	
86) p-Isopropyltoluene	12.06	119	334232m	14.094	ug/l	
95) Naphthalene	13.82	128	21352179m	859.098	ug/l	

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

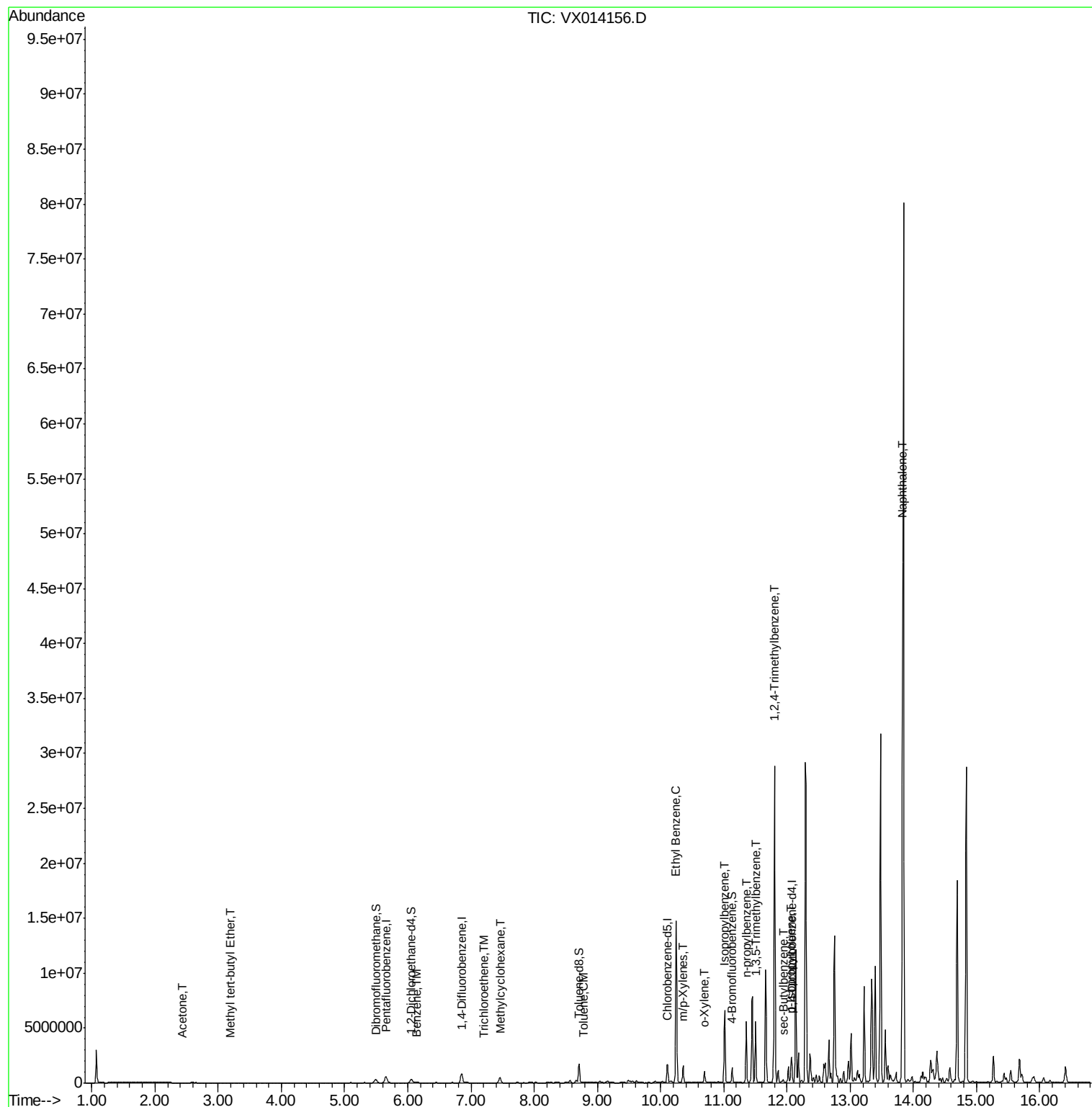
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
Data File : VX014156.D
Acq On : 20 Dec 2019 06:25
Operator : JC/SP
Sample : K6372-17
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 50 Sample Multiplier: 1

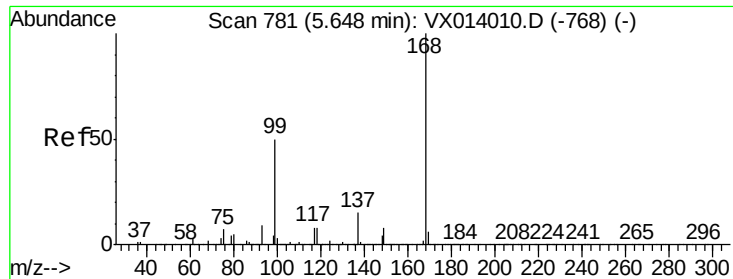
Instrument :
MSVOA_X
ClientSampleId :
MW-12

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Quant Time: Dec 20 07:46:53 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

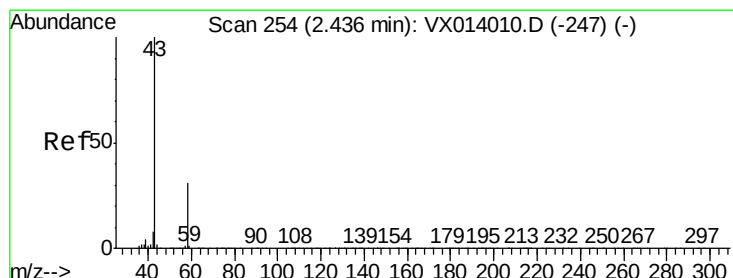
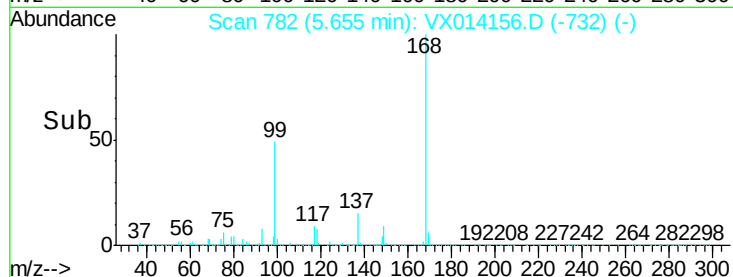
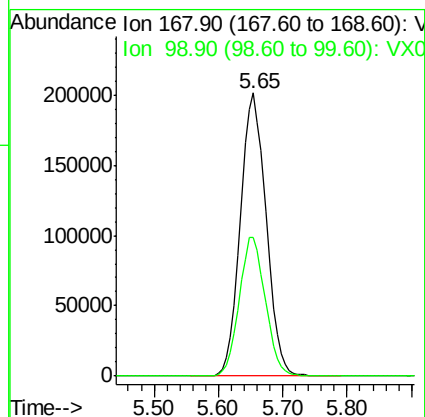
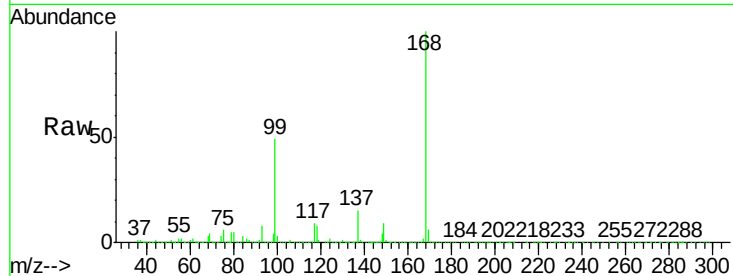
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.0	40.3	60.5

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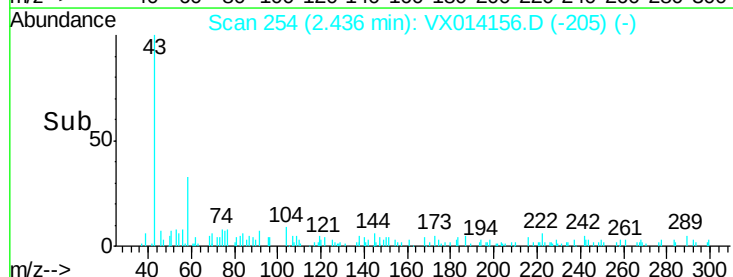
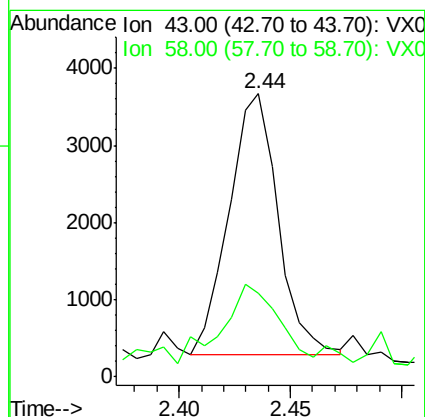
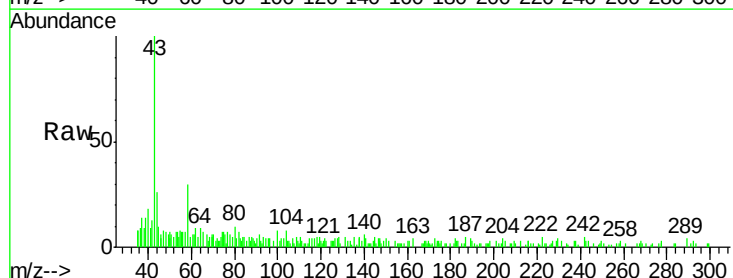
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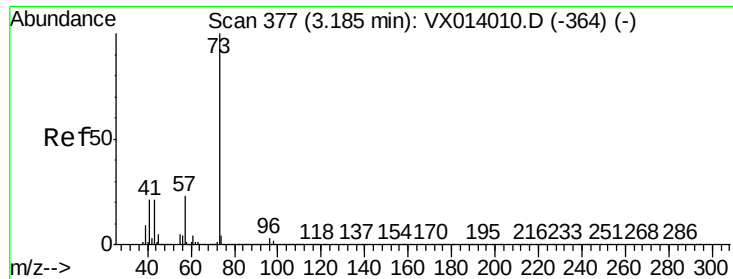


#16

Acetone
Concen: 1.264 ug/l
RT: 2.44 min Scan# 254
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	17.6	24.9	37.3





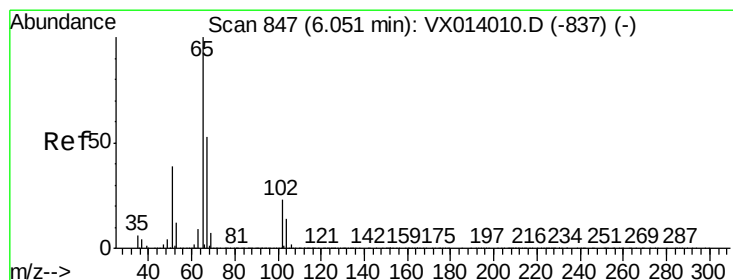
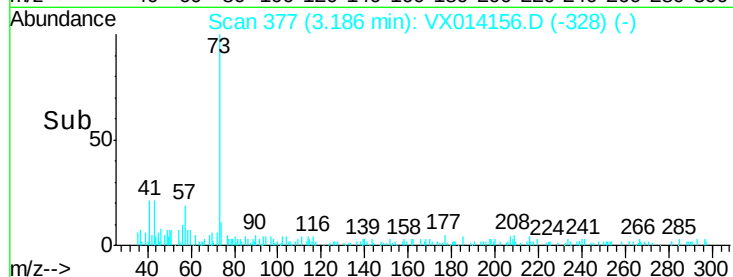
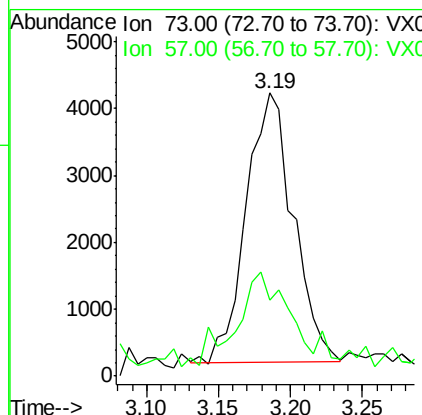
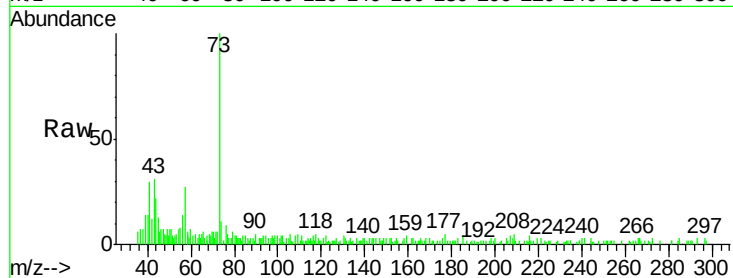
#19
Methyl tert-butyl Ether
Concen: 0.519 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Instrument :
MSVOA_X
ClientSampleId :
MW-12

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.9	18.8	28.2

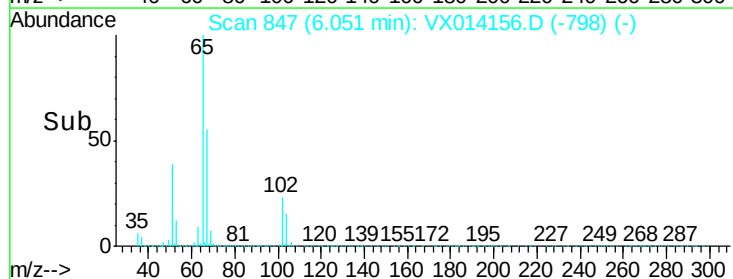
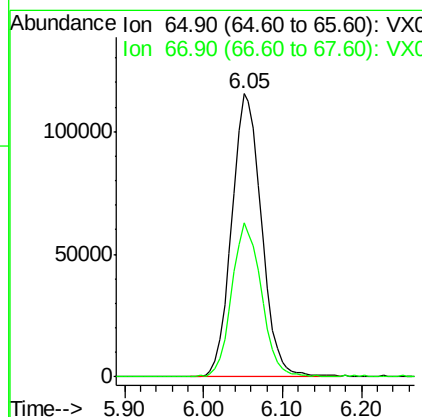
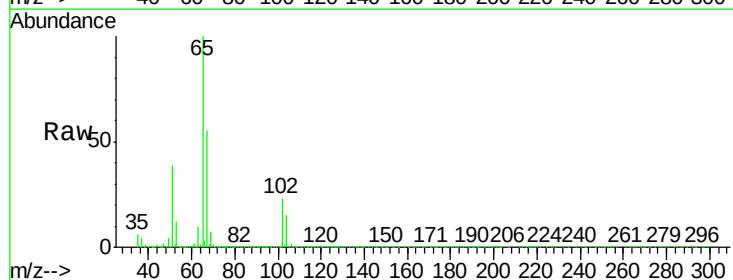
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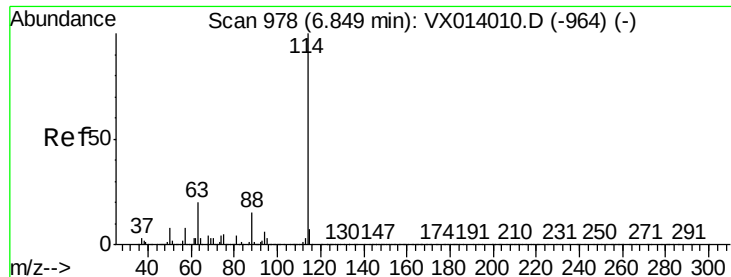
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#33
1,2-Dichloroethane-d4
Concen: 47.871 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	106.4





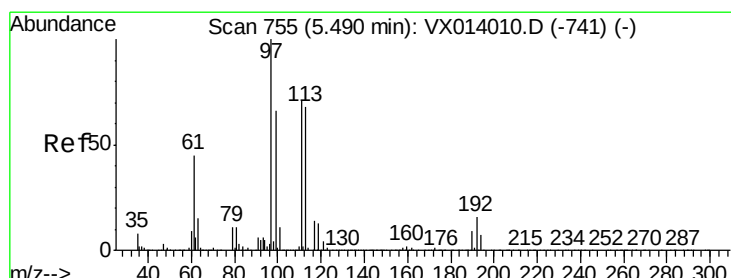
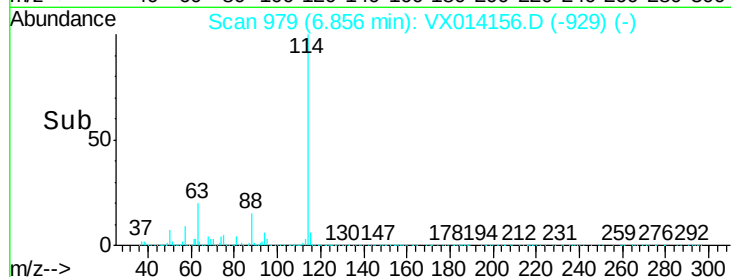
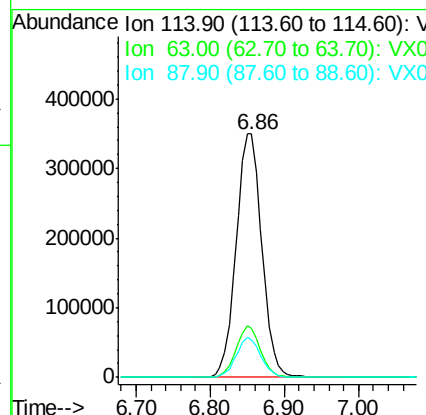
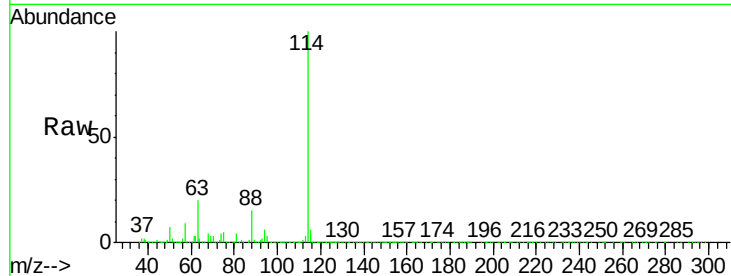
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 979
 Delta R.T. 0.01 min
 Lab File: VX014156.D
 Acq: 20 Dec 2019 06:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Tot Ion	Ratio	Resp Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.2	0.0	30.4

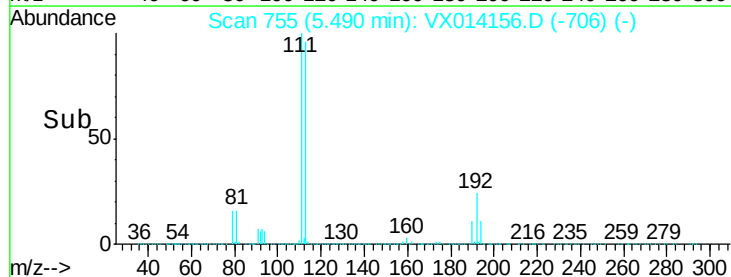
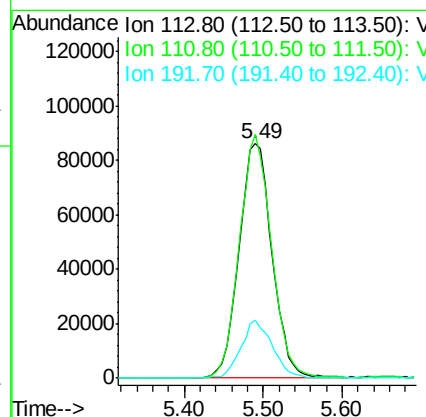
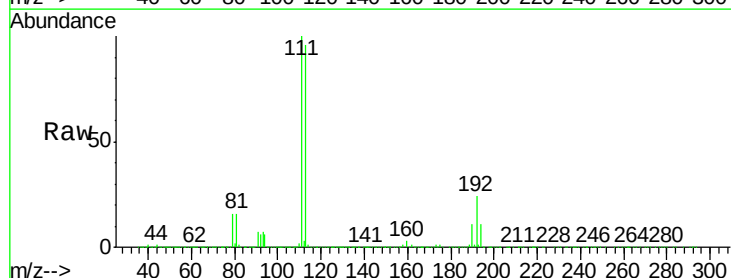
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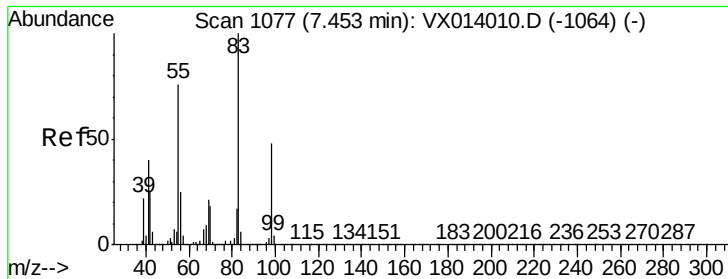
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#35
 Dibromofluoromethane
 Concen: 48.826 ug/l
 RT: 5.49 min Scan# 755
 Delta R.T. 0.00 min
 Lab File: VX014156.D
 Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Resp Lower	Upper
113	100		
111	100.4	82.0	123.0
192	23.6	19.3	28.9





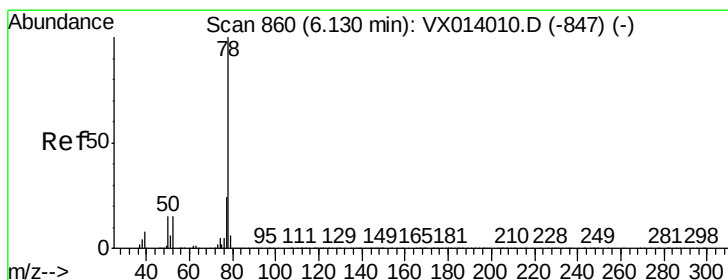
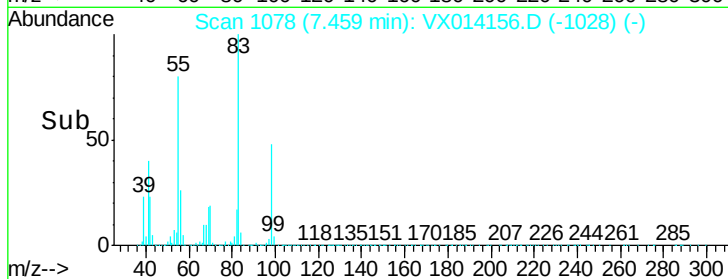
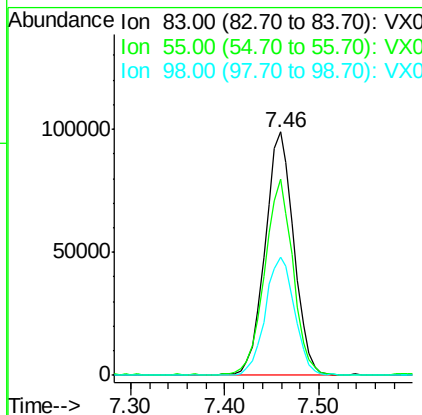
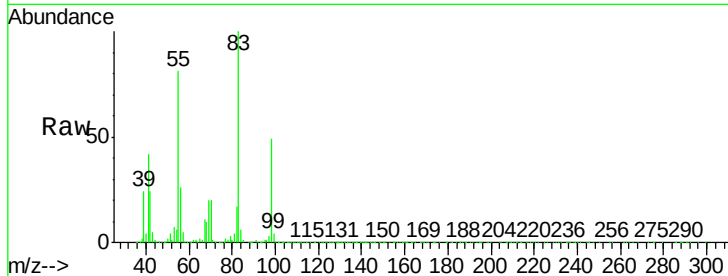
#39
Methylvlcyclohexane
Concen: 22.012 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.01 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion	Ratio	Resp	Lower	Upper
83	100	210837		
55	80.8		61.0	91.6
98	48.9		38.6	57.8

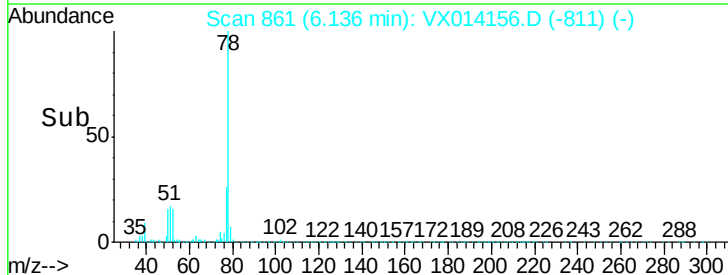
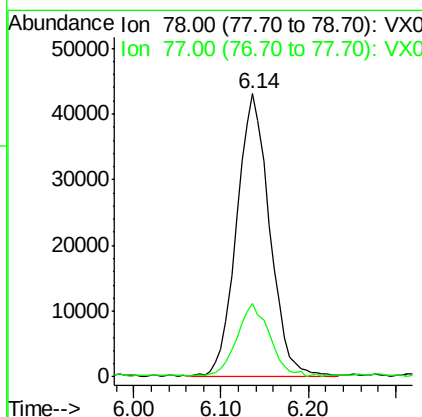
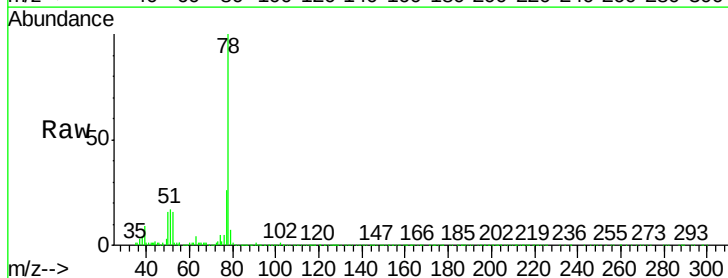
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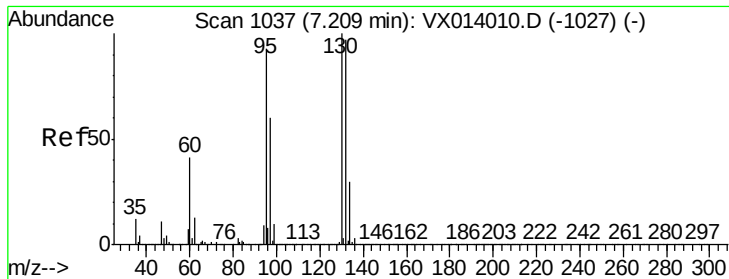
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#40
Benzene
Concen: 4.700 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	112188		
77	25.7		18.8	28.2





#44

Trichloroethene

Concen: 0.452 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.01 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

Instrument :

MSVOA_X

ClientSampled :

MW-12

Tot Ion:130 Resp: 2977

Ion Ratio Lower Upper

130 100

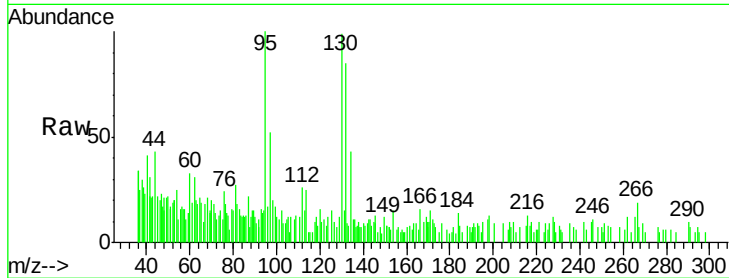
95 97.2 0.0 185.6

Manual Integrations

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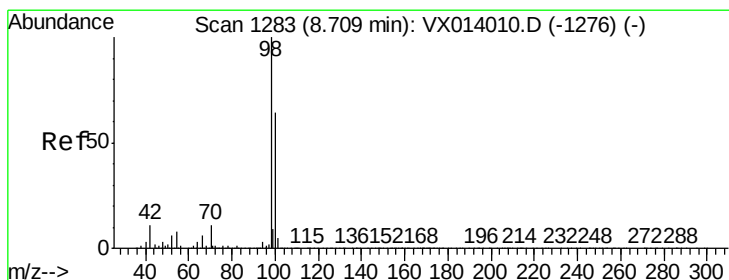
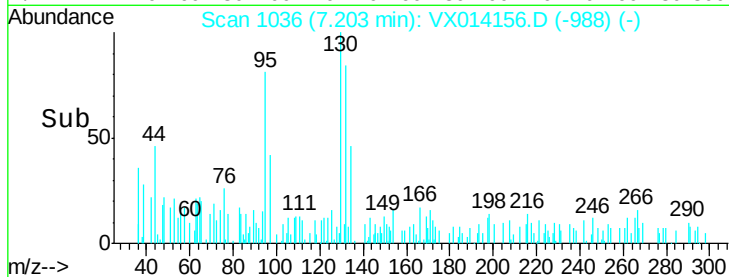
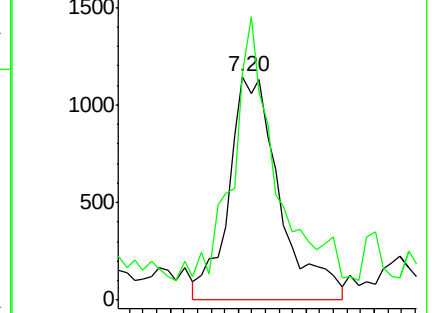
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.120 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014156.D

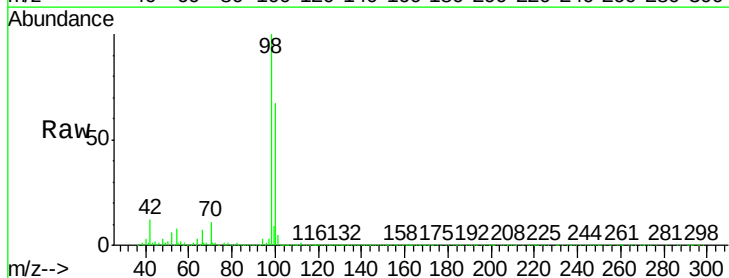
Acq: 20 Dec 2019 06:25

Tgt Ion: 98 Resp: 1022806

Ion Ratio Lower Upper

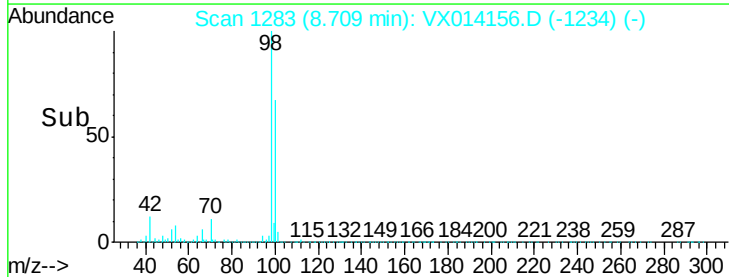
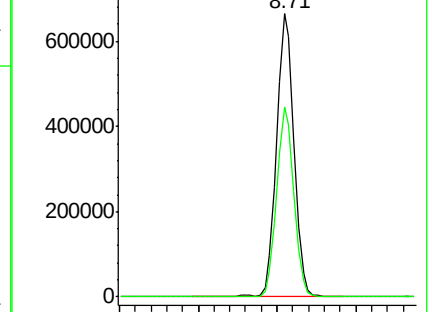
98 100

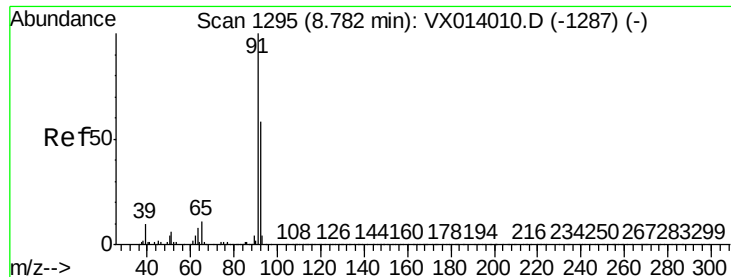
100 66.1 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 2.022 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

Instrument :

MSVOA_X

ClientSampled :

MW-12

Tot Ion: 92 Resp: 30504

Ion Ratio Lower Upper

92 100

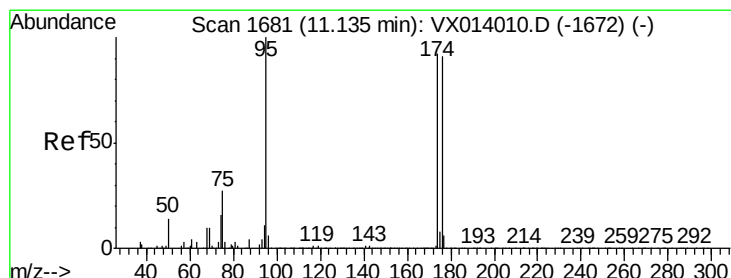
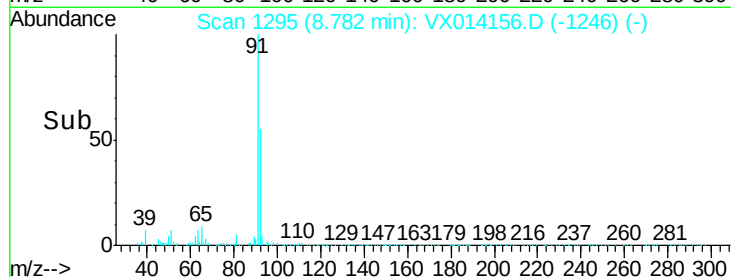
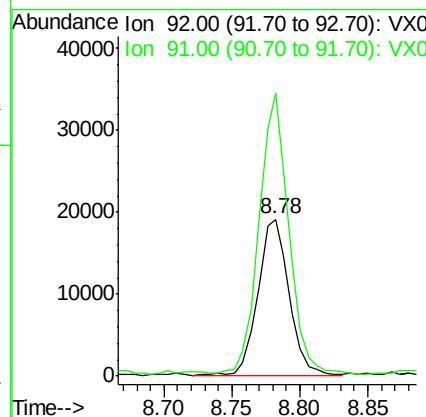
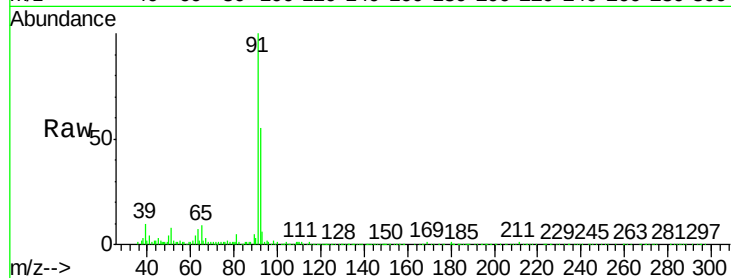
91 171.2 136.2 204.4

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#62

4-Bromofluorobenzene

Concen: 49.717 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

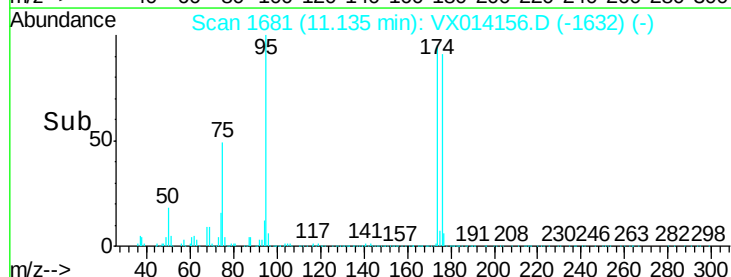
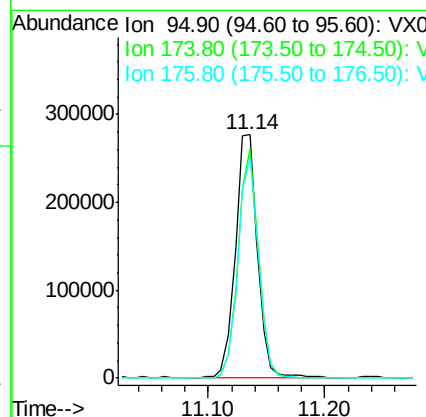
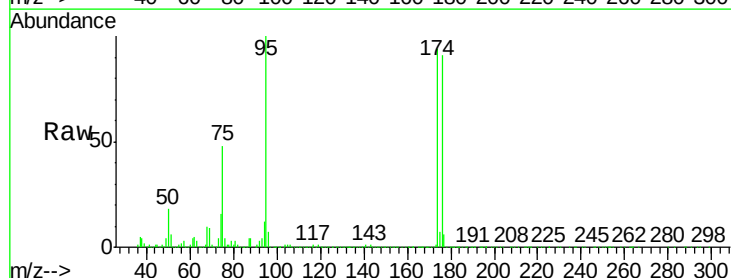
Tgt Ion: 95 Resp: 363620

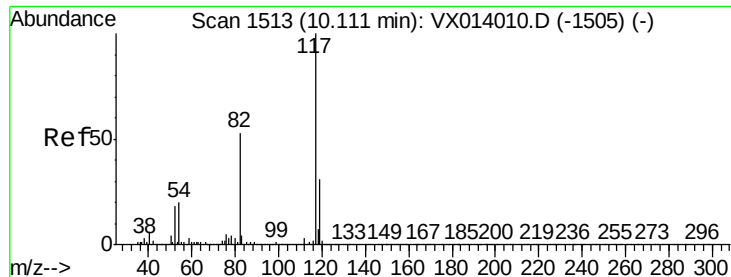
Ion Ratio Lower Upper

95 100

174 87.6 0.0 175.8

176 85.3 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: VX014156.D

Acq: 20 Dec 2019 06:25

Instrument :

MSVOA_X

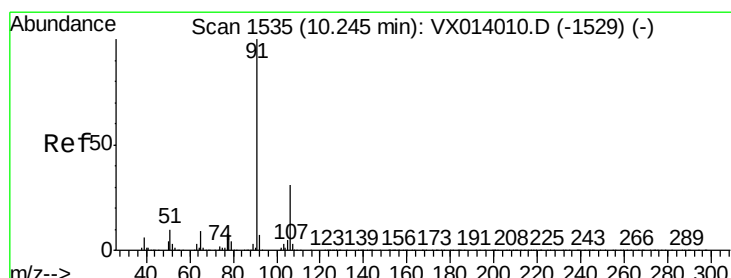
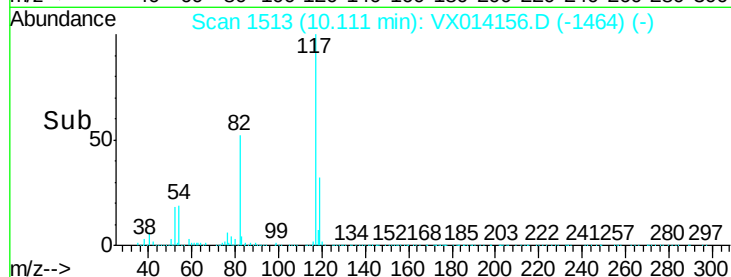
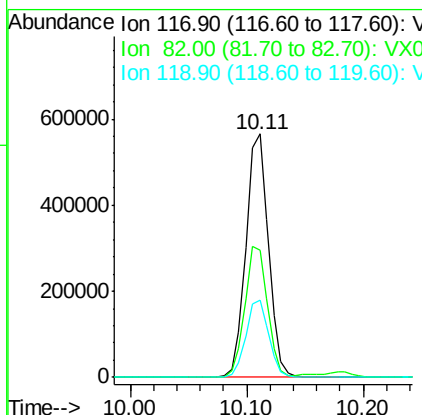
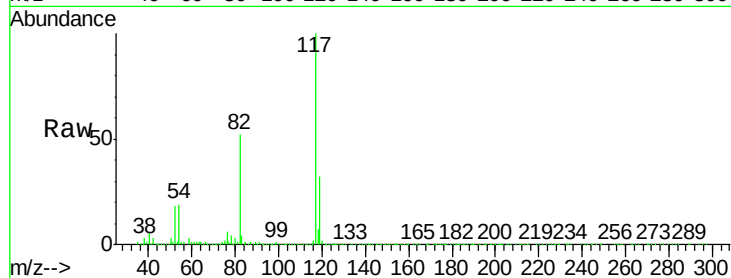
ClientSampled :

MW-12

Tot Ion:	117	Resp:	766095
Ion Ratio	Lower	Upper	
117	100		
82	52.1	42.2	63.4
119	31.9	25.1	37.7

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#67

Ethyl Benzene

Concen: 302.362 ug/l

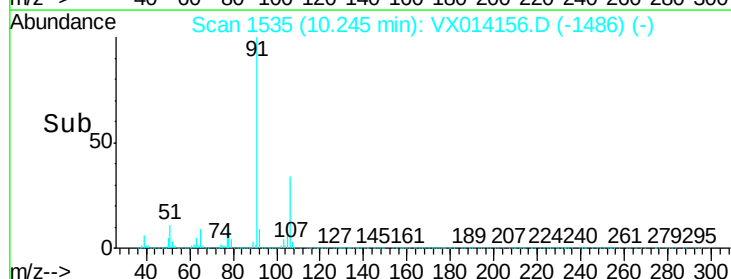
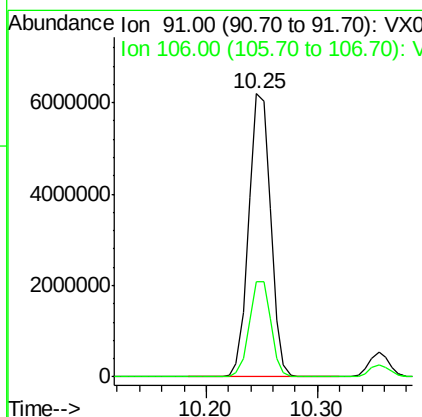
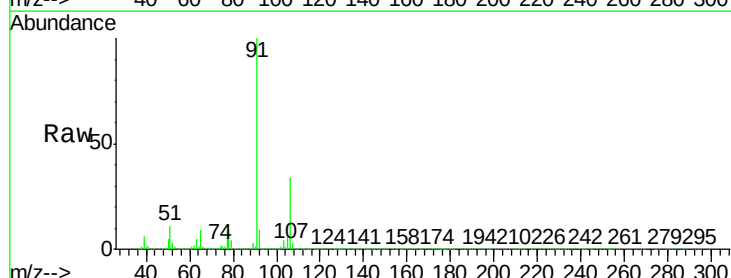
RT: 10.25 min Scan# 1535

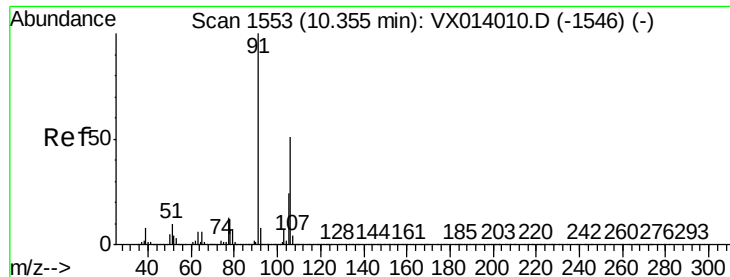
Delta R.T. 0.00 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

Tgt Ion:	91	Resp:	8467570
Ion Ratio	Lower	Upper	
91	100		
106	33.8	25.0	37.6





#68

m/p-Xylenes

Concen: 31.798 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tot Ion:106 Resp: 342497

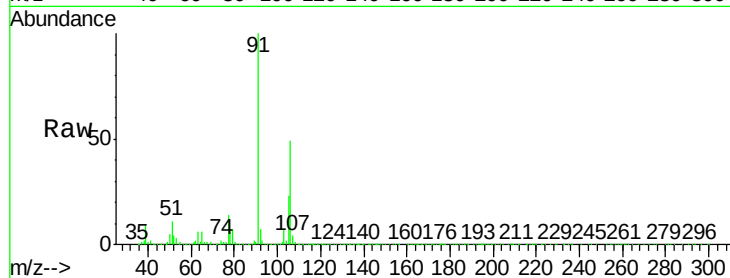
Ion Ratio Lower Upper

106 100

91 200.4 158.6 238.0

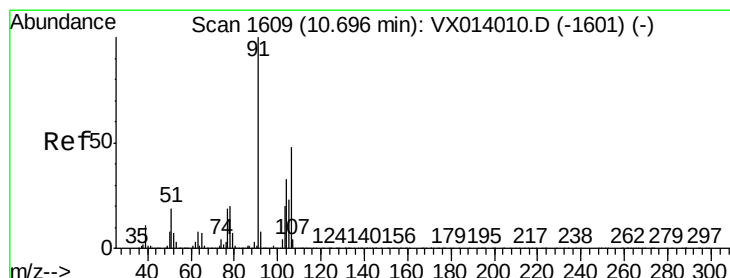
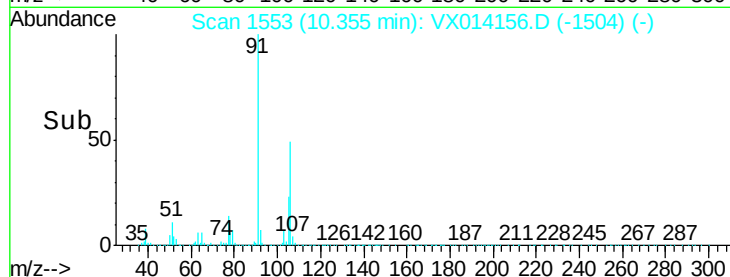
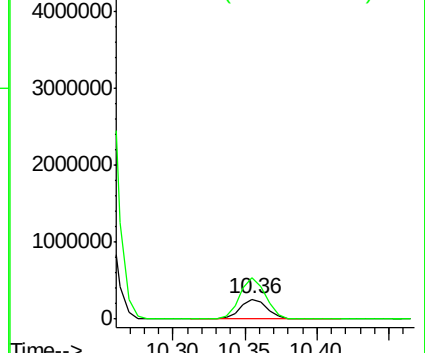
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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0



#69

o-Xylene

Concen: 21.775 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014156.D

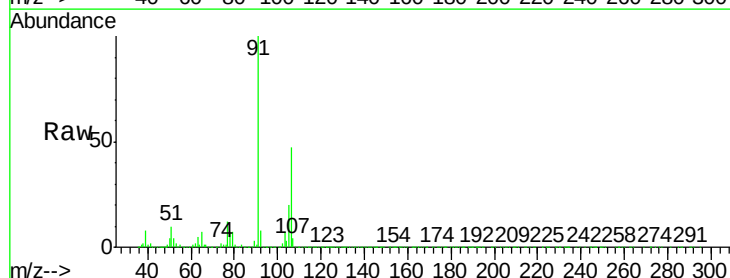
Acq: 20 Dec 2019 06:25

Tgt Ion:106 Resp: 230024

Ion Ratio Lower Upper

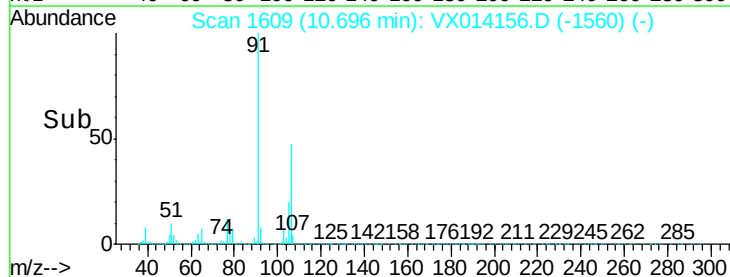
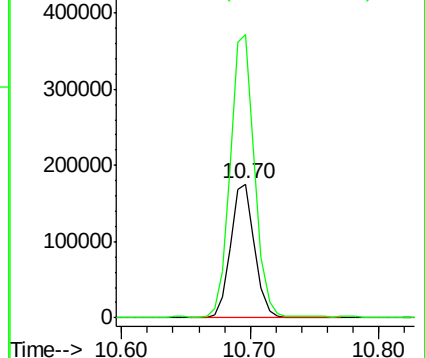
106 100

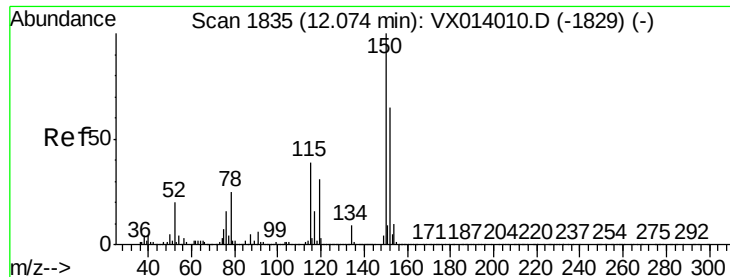
91 210.9 104.2 312.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VX0





#72

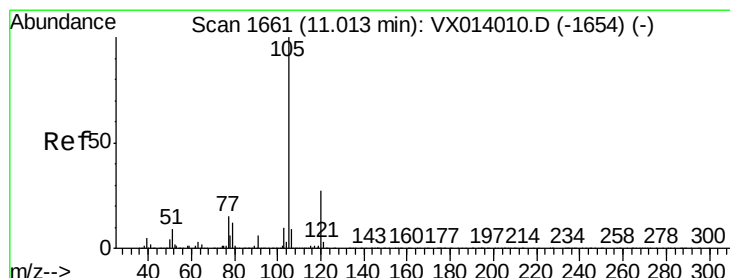
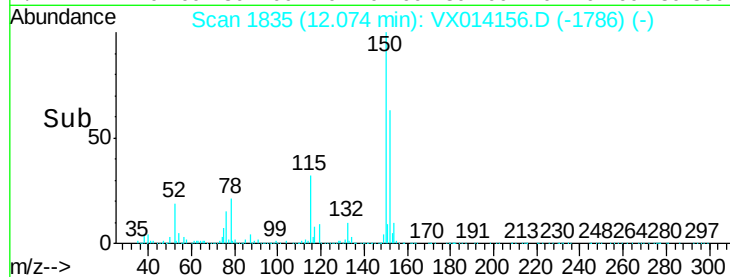
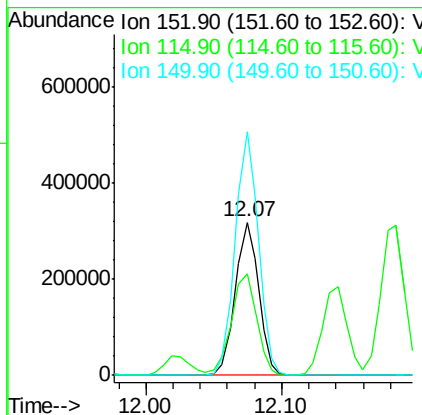
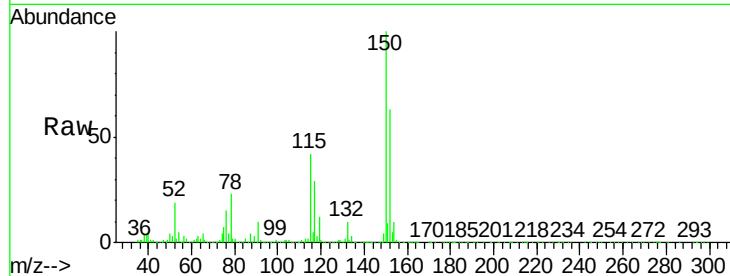
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion	Ratio	Resp	Lower	Upper
152	100	380820		
115	71.9	38.3	114.9	
150	158.0	0.0	345.4	

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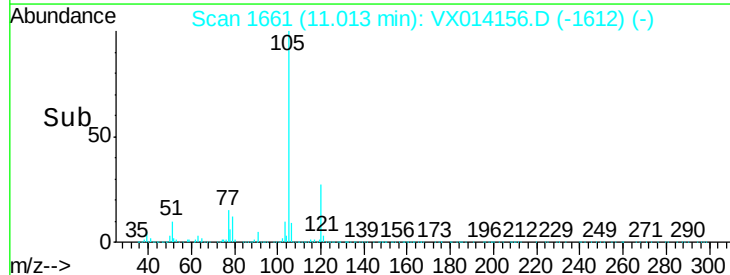
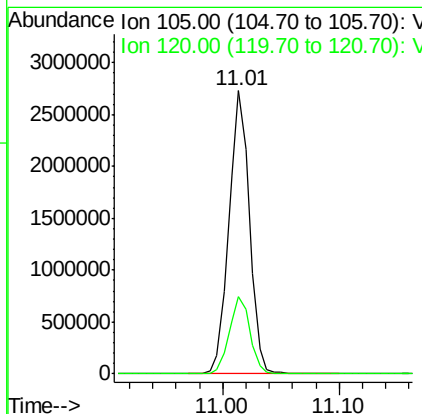
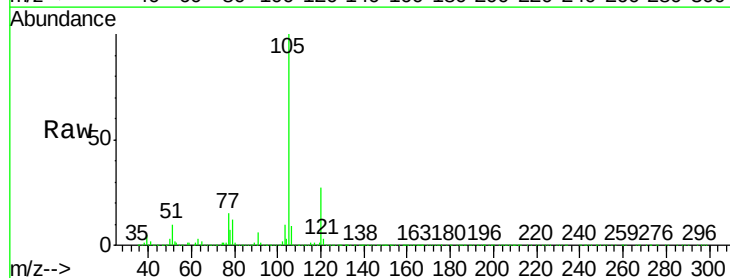
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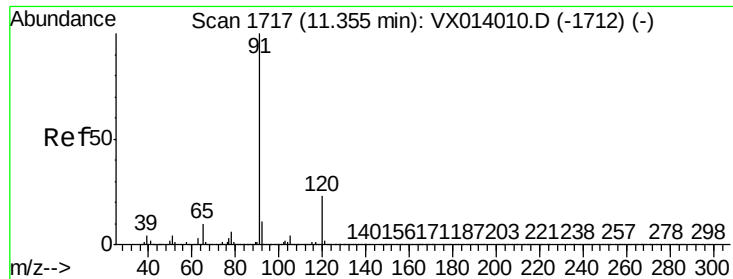


#73

Isopropylbenzene
Concen: 124.140 ug/l
RT: 11.01 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	3328517		
120	27.6	13.5	40.4	





#78

n-propylbenzene

Concen: 108.543 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014156.D

Acq: 20 Dec 2019 06:25

Instrument :

MSVOA_X

ClientSampleId :

MW-12

Tot Ion: 91 Resp: 3264454

Ion Ratio Lower Upper

91 100

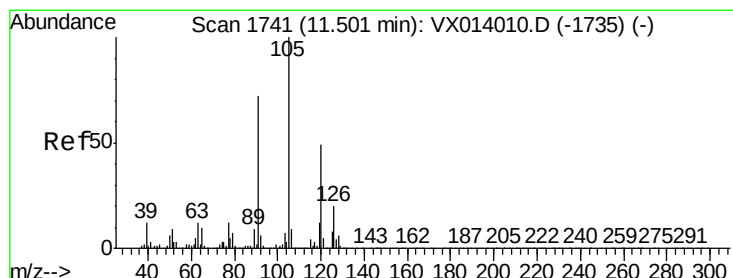
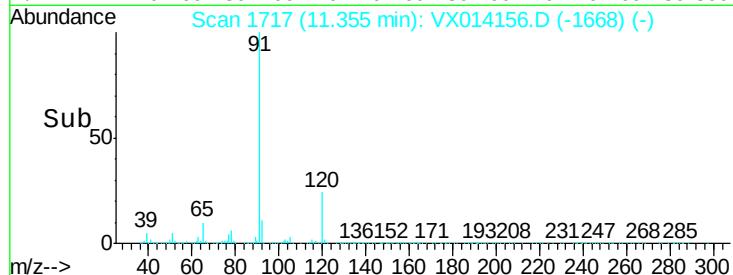
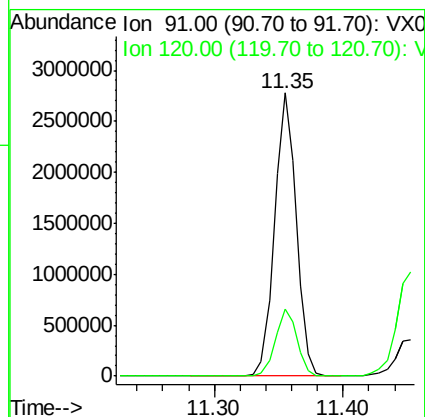
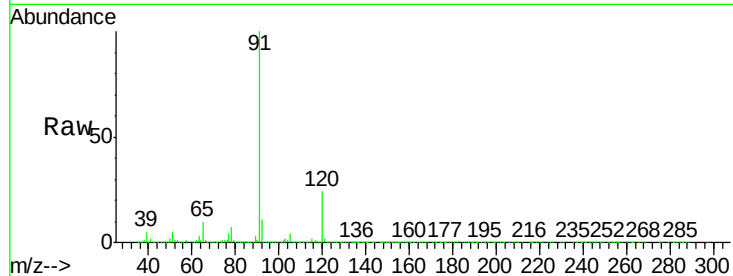
120 23.6 11.7 35.0

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#80

1,3,5-Trimethylbenzene

Concen: 100.638 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014156.D

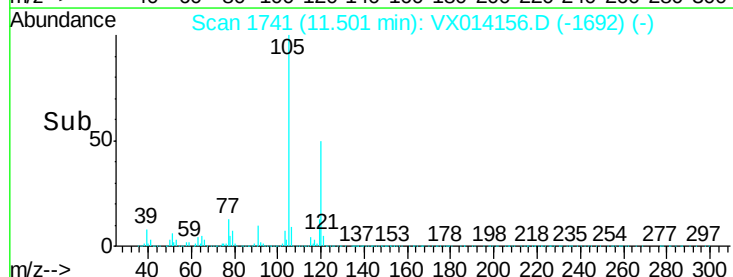
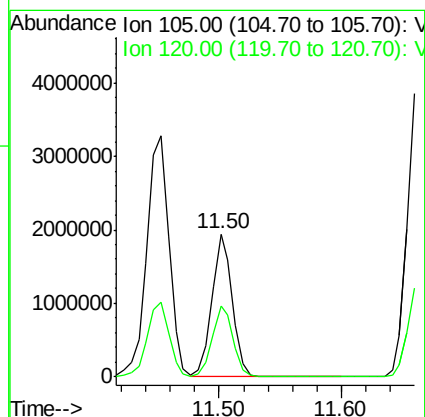
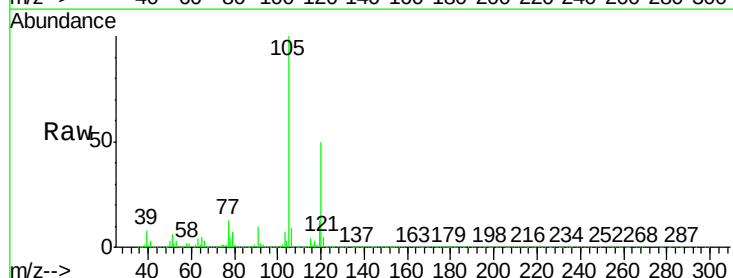
Acq: 20 Dec 2019 06:25

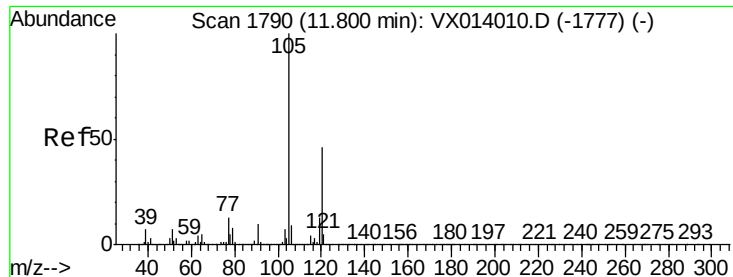
Tgt Ion: 105 Resp: 2270957

Ion Ratio Lower Upper

105 100

120 50.8 25.3 75.8





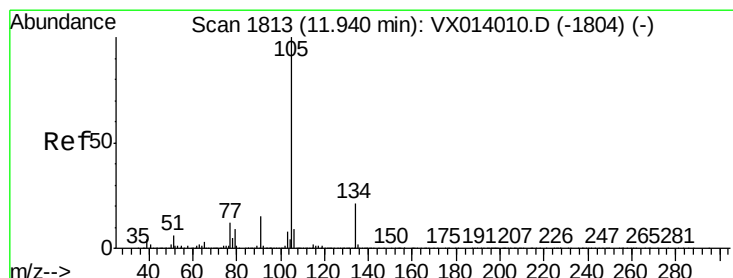
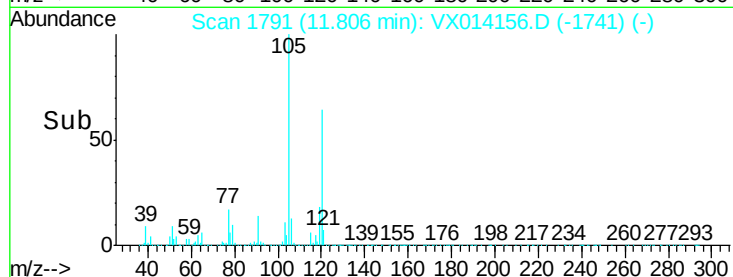
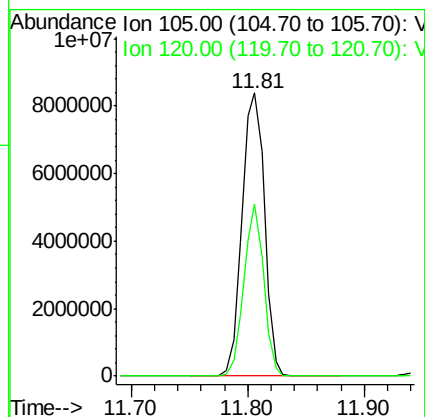
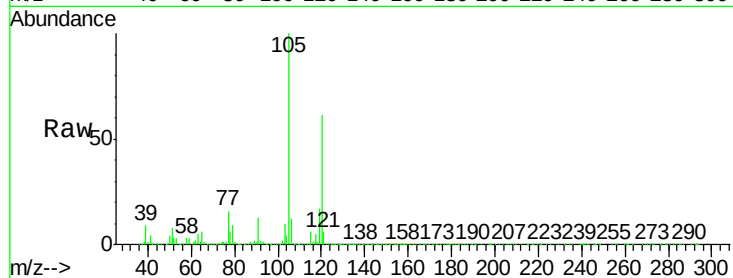
#84
 1,2,4-Trimethylbenzene
 Concen: 500.958 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. 0.01 min
 Lab File: VX014156.D
 Acq: 20 Dec 2019 06:25

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-12

Tot Ion:105 Resp:11320749
 Ion Ratio Lower Upper
 105 100
 120 53.5 23.1 69.2

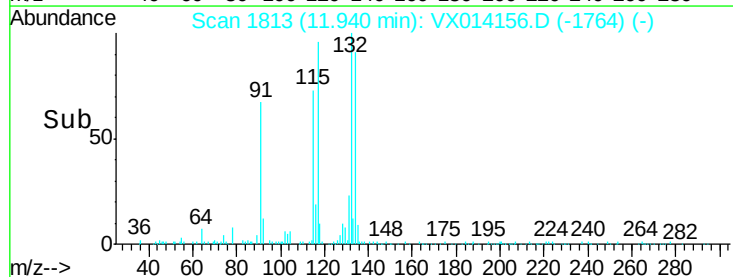
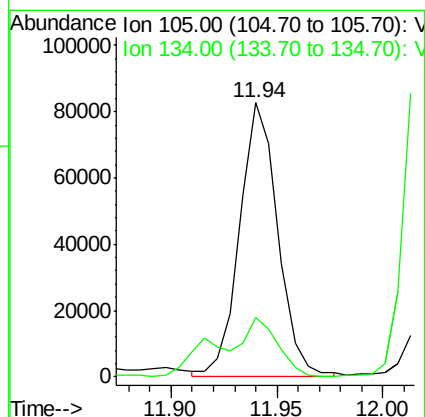
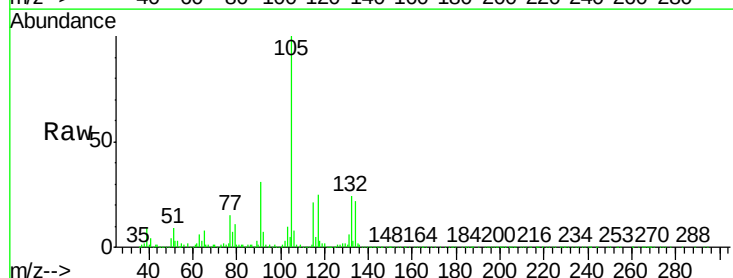
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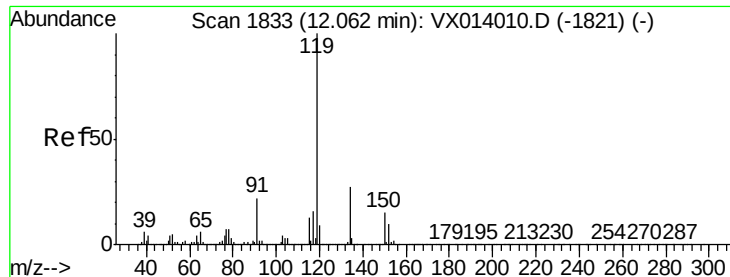
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#85
 sec-Butylbenzene
 Concen: 4.011 ug/l m
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX014156.D
 Acq: 20 Dec 2019 06:25

Tgt Ion:105 Resp: 103990
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.1#





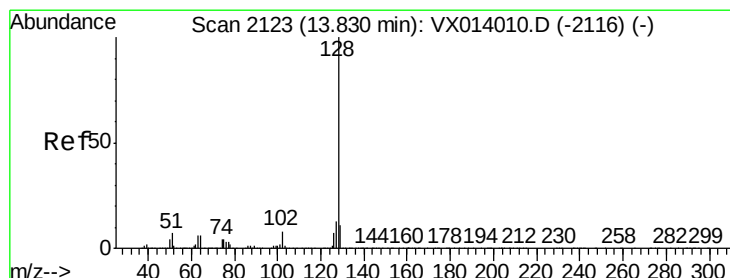
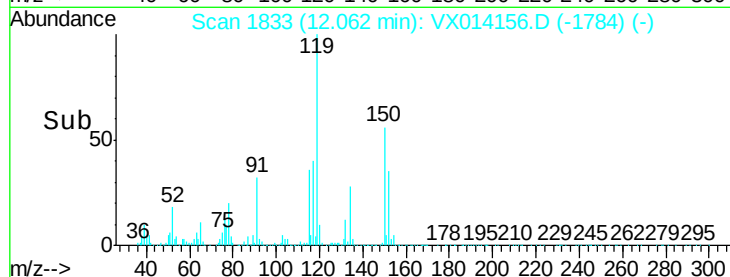
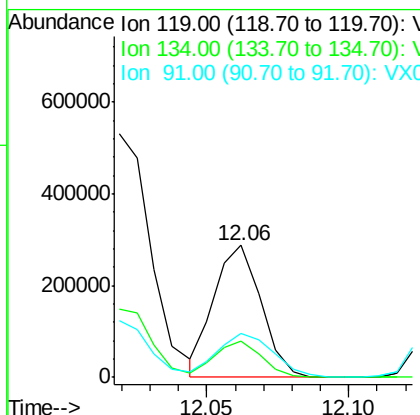
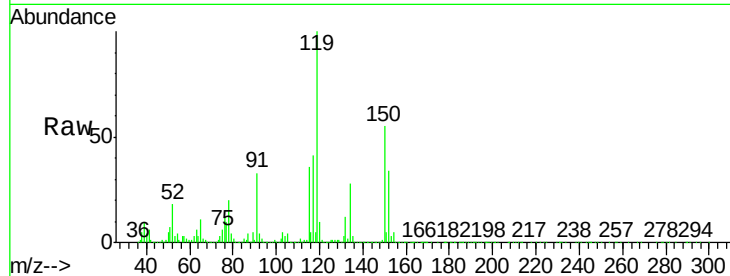
#86
p-Isopropyltoluene
Concen: 14.094 ug/l m
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Instrument :
MSVOA_X
ClientSampled :
MW-12

Tot Ion	Ratio	Lower	Upper
119	100		
134	55.0	13.4	40.1#
91	44.8	11.4	34.1#

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#95
Naphthalene
Concen: 859.098 ug/l m
RT: 13.82 min Scan# 2122
Delta R.T. -0.01 min
Lab File: VX014156.D
Acq: 20 Dec 2019 06:25

Tgt Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.4#
129	4.4	8.7	13.1#

