

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX121919\
 Data File : VX014145.D
 Acq On : 20 Dec 2019 02:09
 Operator : JC/SP
 Sample : K6372-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 39 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Manual Integrations
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apatel
 12/20/2019 10:23:43 AM

Quant Time: Dec 20 04:49:46 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	552998	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	844233	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	764673	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	354385	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	301553	48.11	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.22%	
35) Dibromofluoromethane	5.49	113	253360	49.37	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.74%	
50) Toluene-d8	8.71	98	1018265	50.96	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.92%	
62) 4-Bromofluorobenzene	11.13	95	349359	47.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.66%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	17005	12.557	ug/l #	72
16) Acetone	2.43	43	26206	6.441	ug/l	97
25) 2-Butanone	4.67	43	20610	4.108	ug/l #	88
31) Cyclohexane	5.57	56	73320	7.829	ug/l #	93
39) Methylcyclohexane	7.45	83	93566	9.782	ug/l #	86
40) Benzene	6.14	78	324670	13.622	ug/l	99
52) Toluene	8.78	92	11089	0.736	ug/l	90
64) Tetrachloroethene	9.33	164	16514	2.441	ug/l	96
68) m/p-Xylenes	10.35	106	24499	2.279	ug/l	96
69) o-Xylene	10.70	106	8912	0.845	ug/l	92
73) Isopropylbenzene	11.01	105	33694	1.350	ug/l	98
78) n-propylbenzene	11.35	91	9207	0.329	ug/l	90
83) tert-Butylbenzene	11.76	119	8063	0.395	ug/l	92
85) sec-Butylbenzene	11.94	105	37298	1.546	ug/l	95
86) p-Isopropyltoluene	12.06	119	8420m	0.382	ug/l	
95) Naphthalene	13.83	128	17642	0.763	ug/l #	86

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

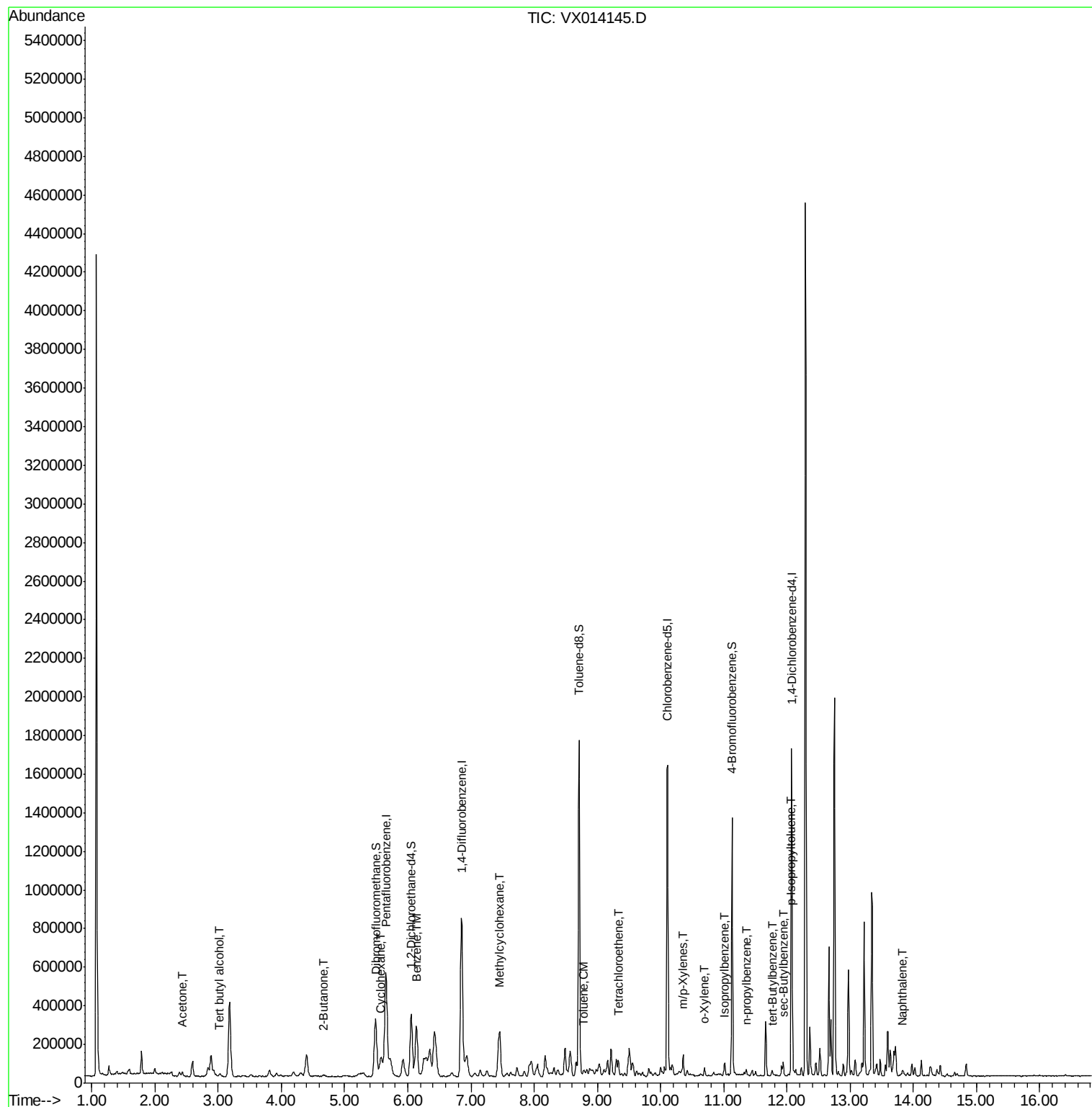
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX121919\
Data File : VX014145.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 39 Sample Multiplier: 1

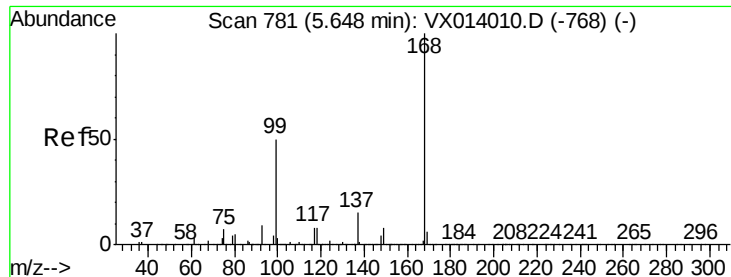
Instrument :
MSVOA_X
ClientSampleId :
MW-5

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121319W.M
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#1

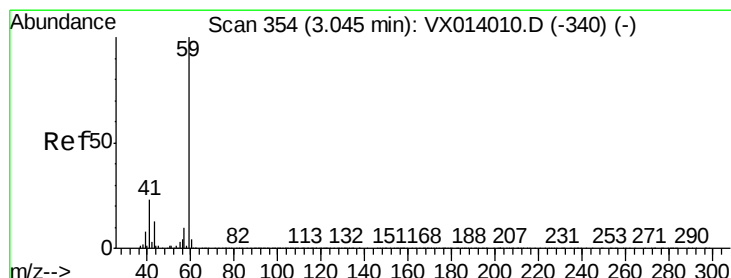
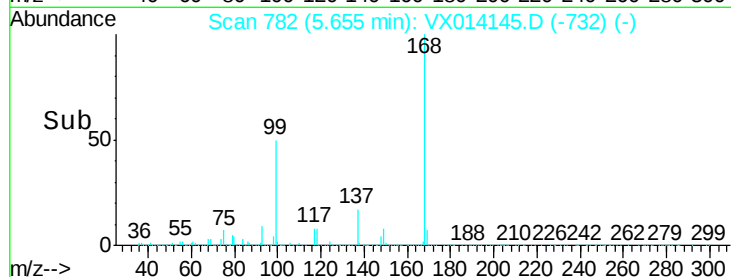
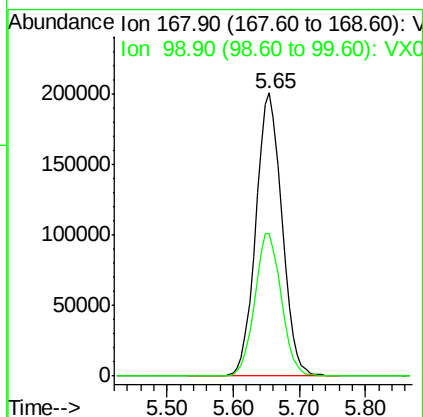
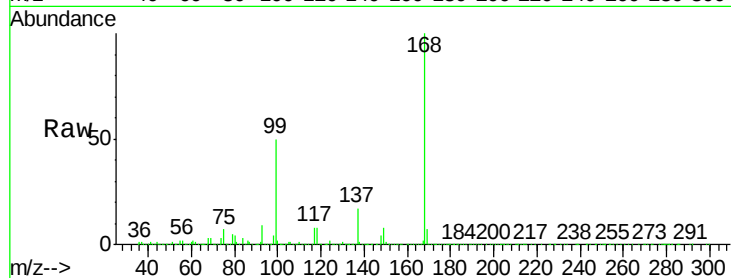
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX014145.D
 Acq: 20 Dec 2019 02:09

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tot Ion	Ratio	Resp	Lower	Upper
168	100	552998		
99	50.2		40.3	60.5

Manual Integrations
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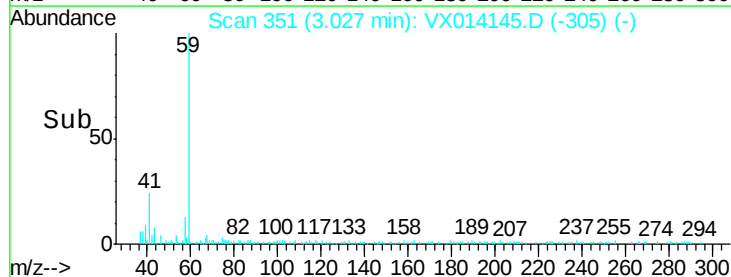
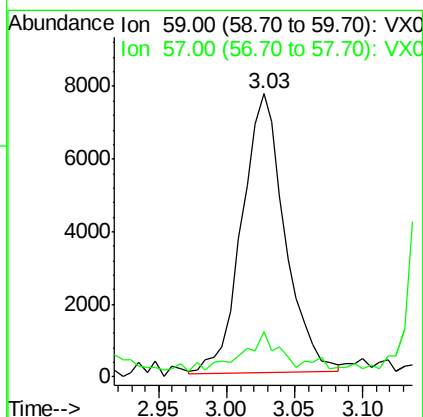
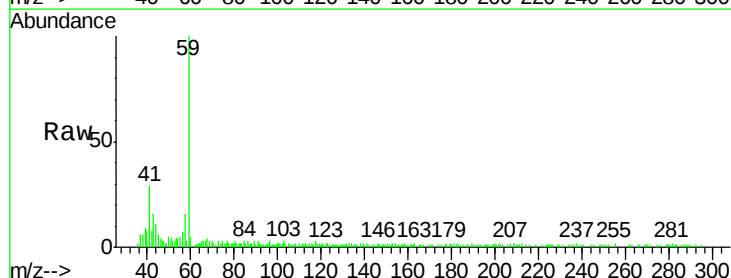
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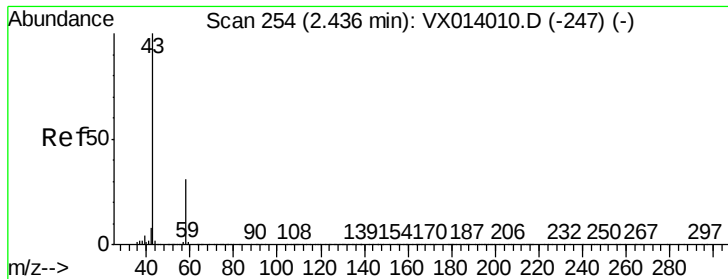


#11

Tert butyl alcohol
 Concen: 12.557 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.02 min
 Lab File: VX014145.D
 Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	17005		
57	0.0		8.4	12.6#





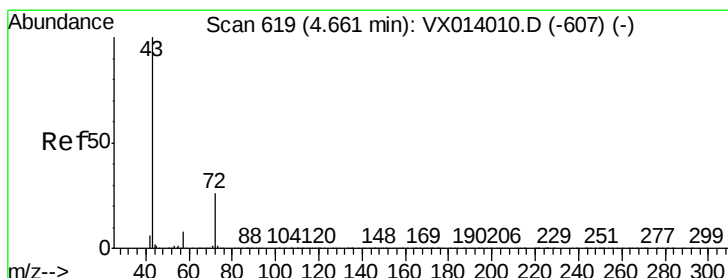
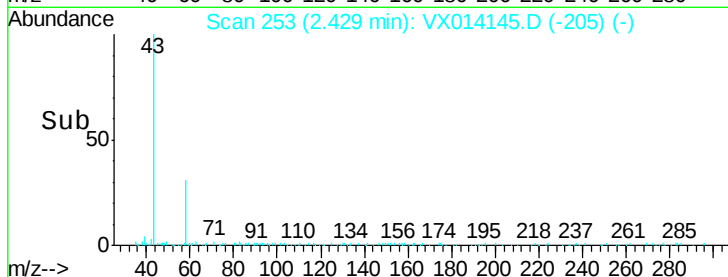
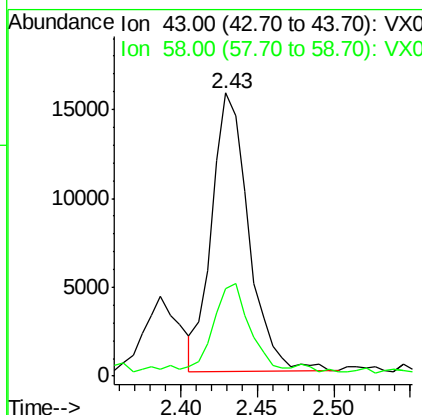
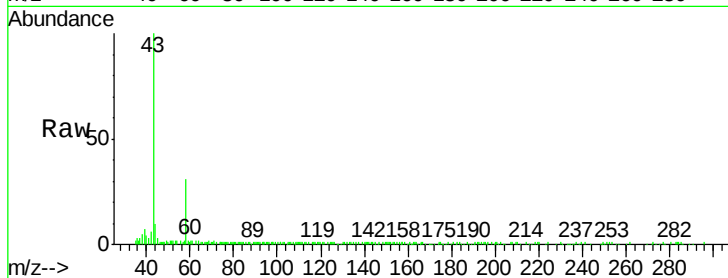
#16
Acetone
Concen: 6.441 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.01 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.9	37.3

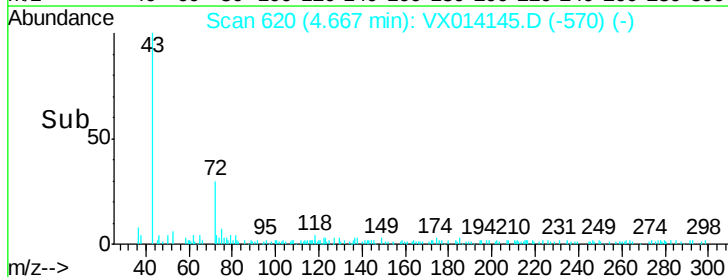
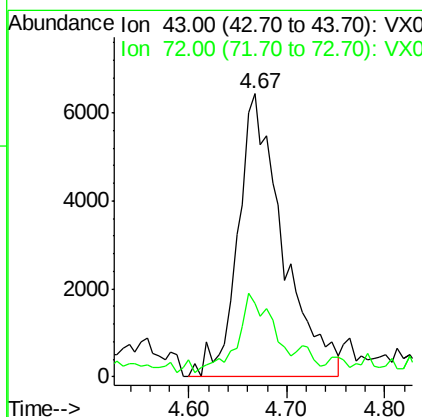
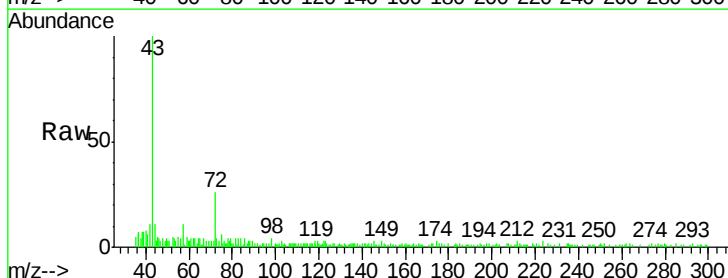
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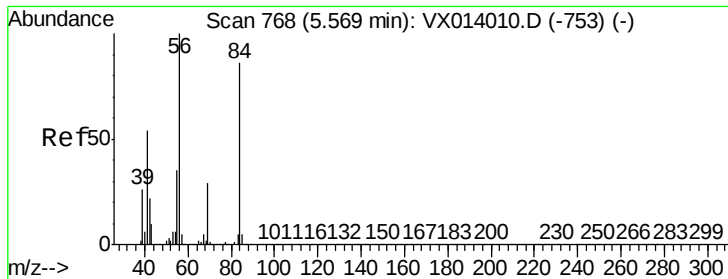
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#25
2-Butanone
Concen: 4.108 ug/l
RT: 4.67 min Scan# 620
Delta R.T. 0.01 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Lower	Upper
43	100		
72	20.0	21.0	31.4#





#31

Cyclohexane

Concen: 7.829 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Instrument :

MSVOA_X

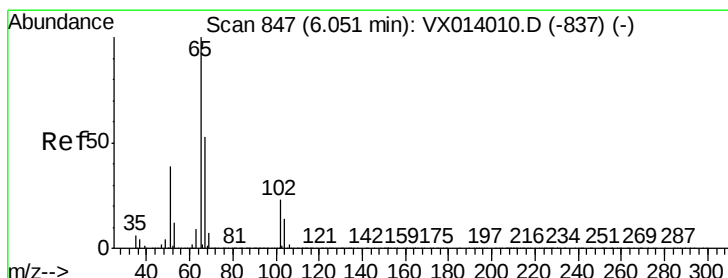
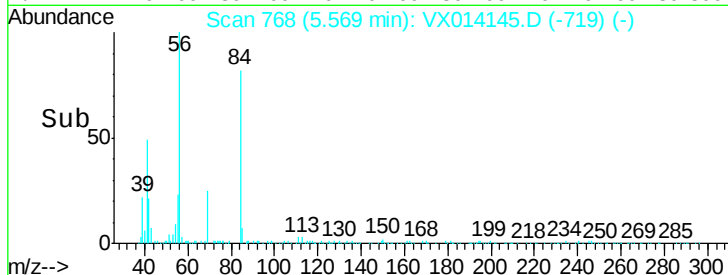
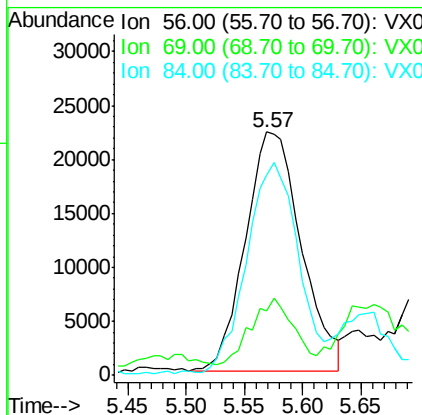
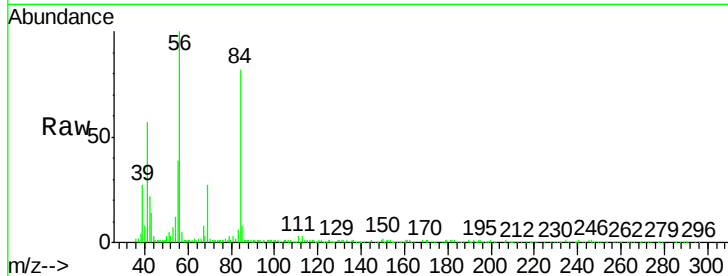
ClientSampleId :

MW-5

Tot Ion:	56	Resp:	73320
Ion Ratio	Lower	Upper	
56	100		
69	20.8	23.2	34.8#
84	82.4	69.2	103.8

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#33

1,2-Dichloroethane-d4

Concen: 48.114 ug/l

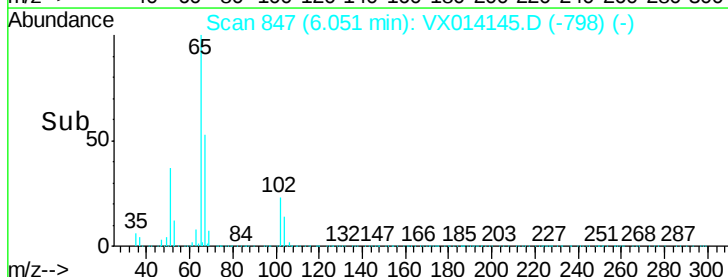
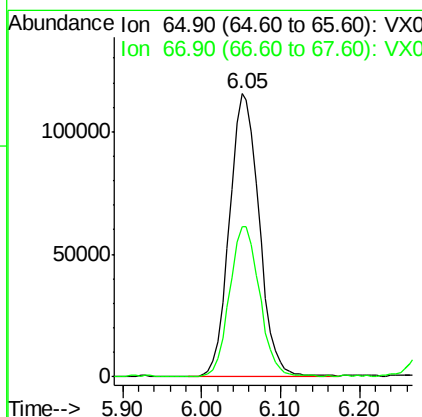
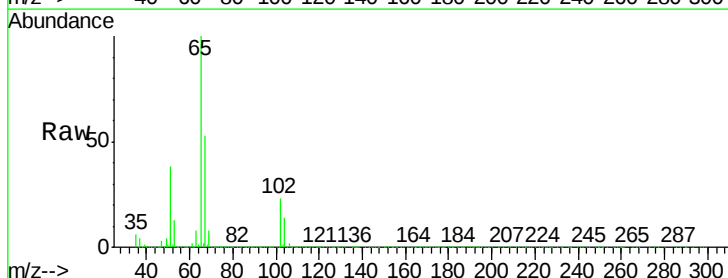
RT: 6.05 min Scan# 847

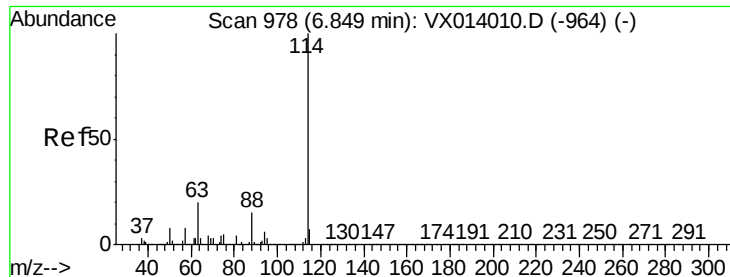
Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Tgt Ion:	65	Resp:	301553
Ion Ratio	Lower	Upper	
65	100		
67	54.1	0.0	106.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Instrument :

MSVOA_X

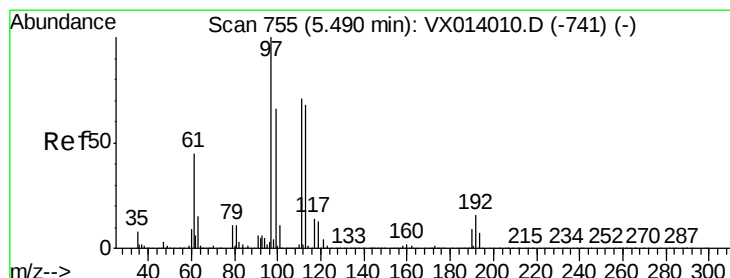
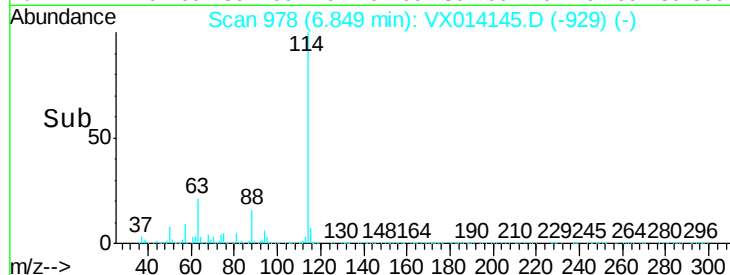
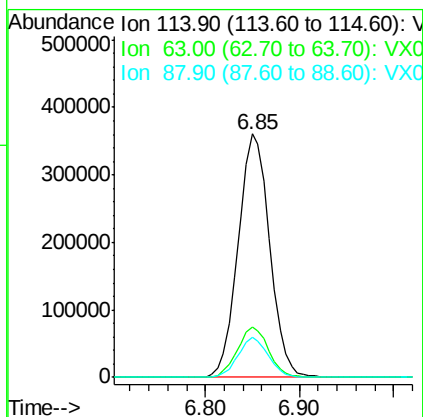
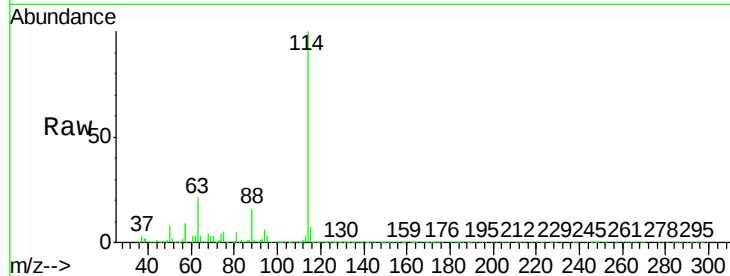
ClientSampleId :

MW-5

Tot Ion:	114	Resp:	844233
Ion Ratio		Lower	Upper
114	100		
63	20.6	0.0	40.8
88	16.3	0.0	30.4

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#35

Dibromofluoromethane

Concen: 49.369 ug/l

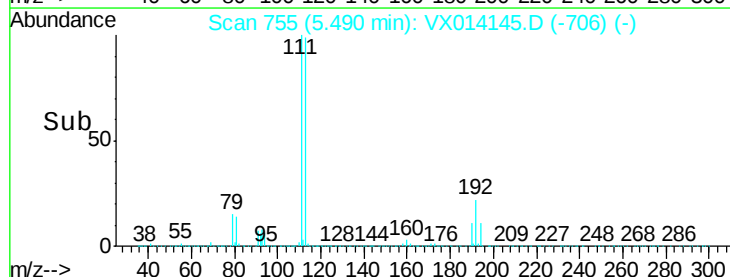
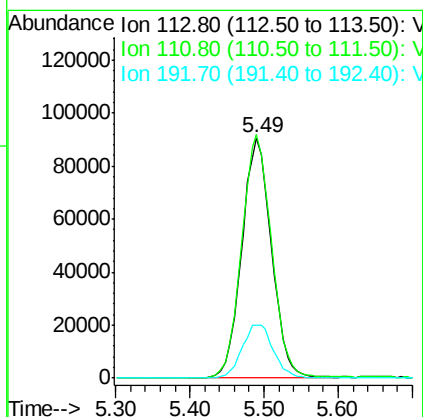
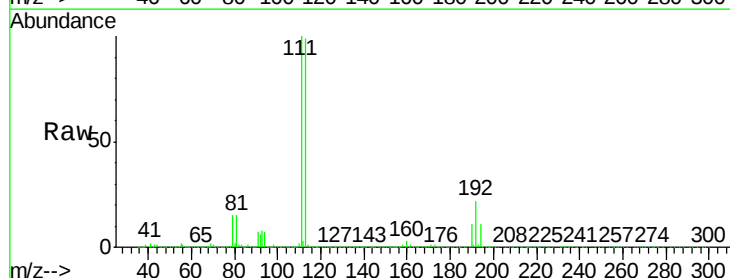
RT: 5.49 min Scan# 755

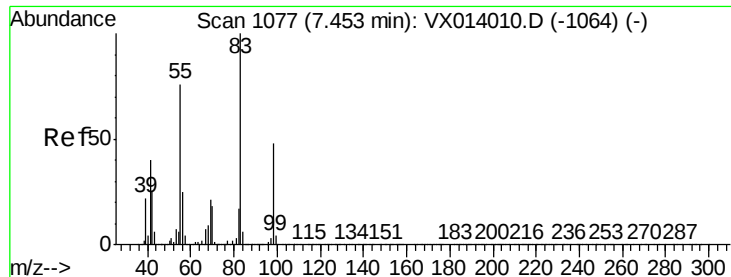
Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Tgt Ion:	113	Resp:	253360
Ion Ratio		Lower	Upper
113	100		
111	102.7	82.0	123.0
192	23.2	19.3	28.9





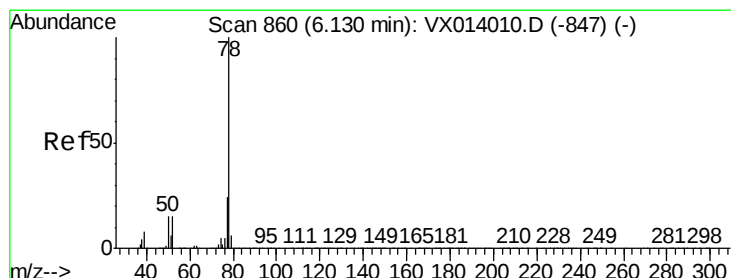
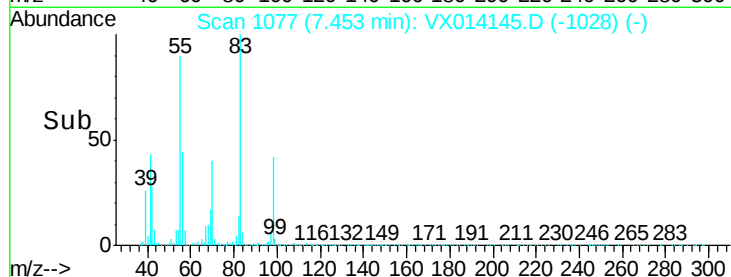
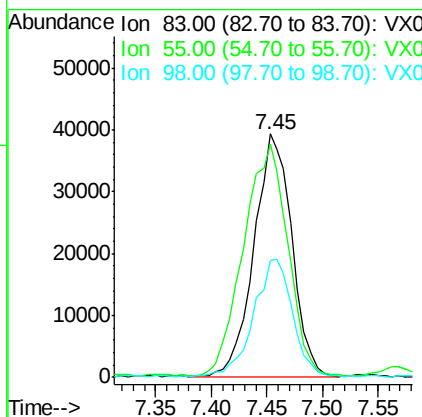
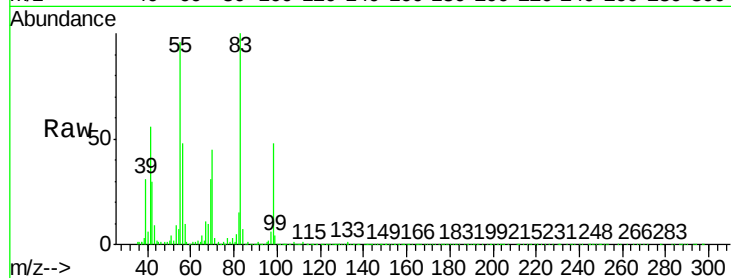
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Methvlcvclohexane
Concen: 9.782 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
83	100		
55	95.2	61.0	91.6#
98	47.5	38.6	57.8

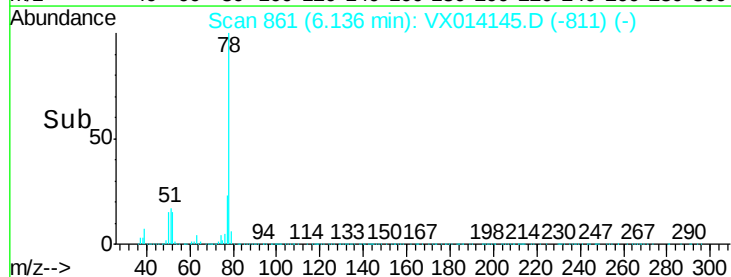
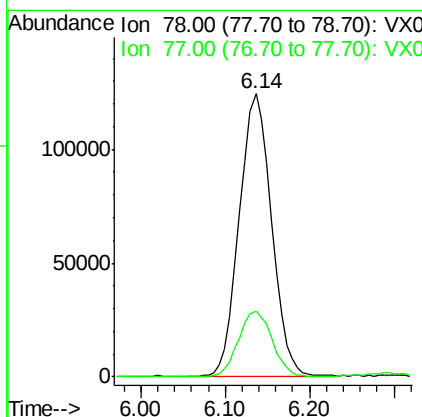
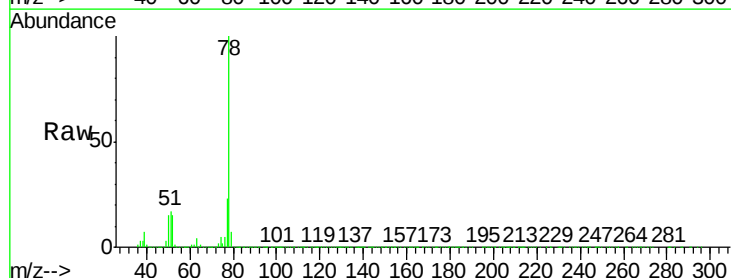
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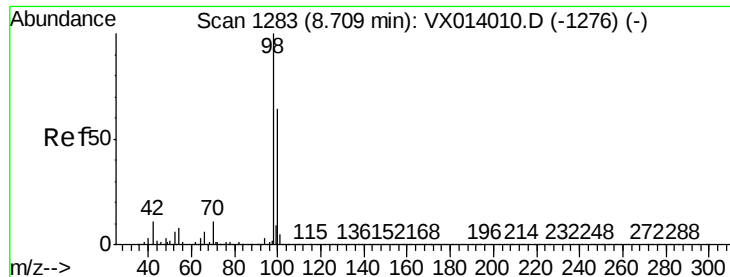
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#40
Benzene
Concen: 13.622 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.8	28.2





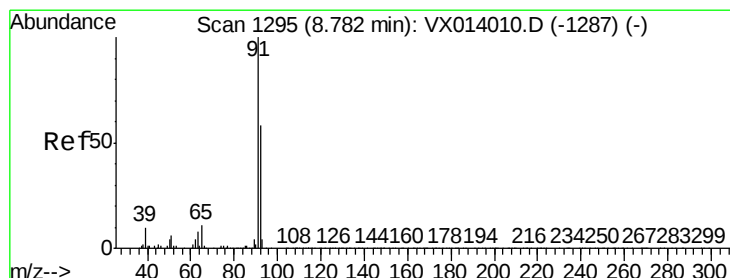
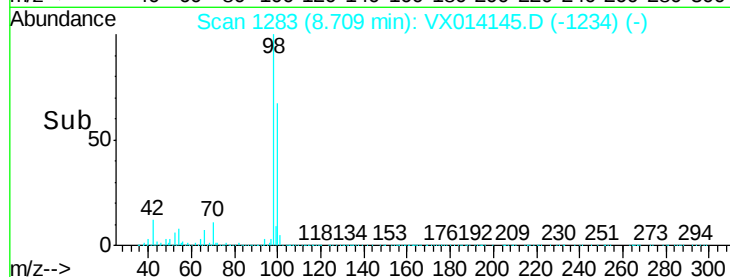
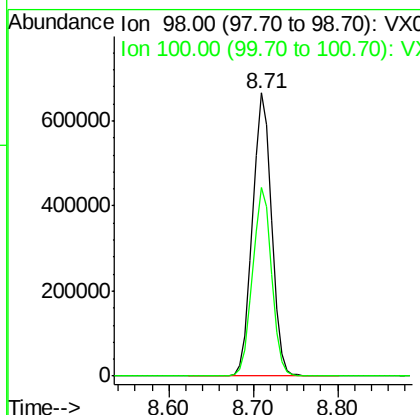
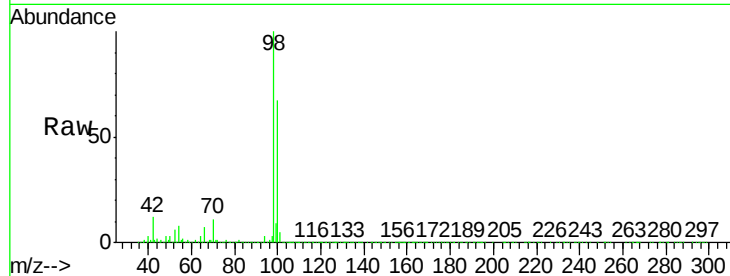
#50
Toluene-d8
Concen: 50.964 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion: 98 Resp: 1018265
Ion Ratio Lower Upper
98 100
100 66.0 52.9 79.3

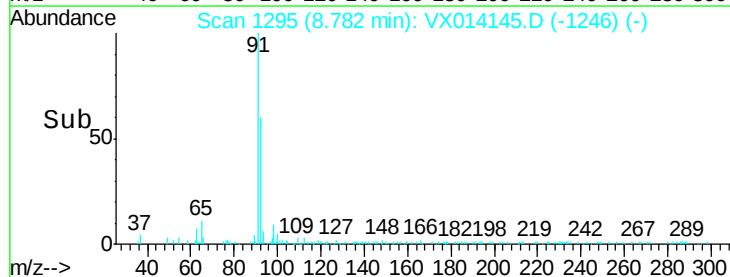
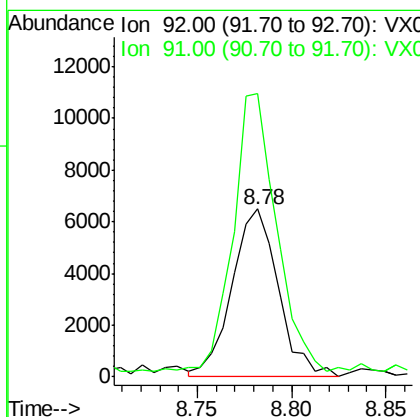
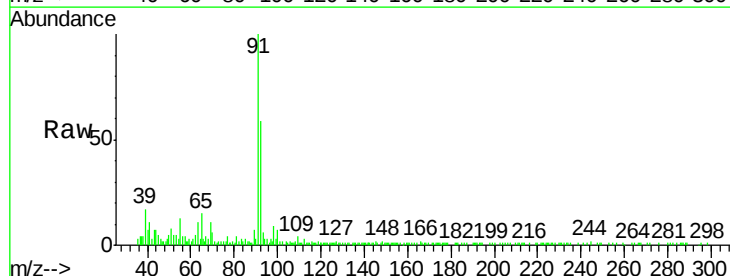
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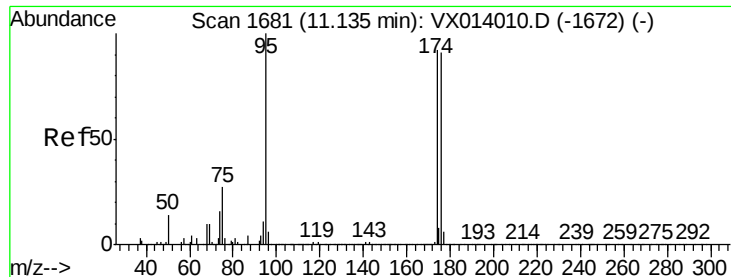
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#52
Toluene
Concen: 0.736 ug/l
RT: 8.78 min Scan# 1295
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion: 92 Resp: 11089
Ion Ratio Lower Upper
92 100
91 156.2 136.2 204.4





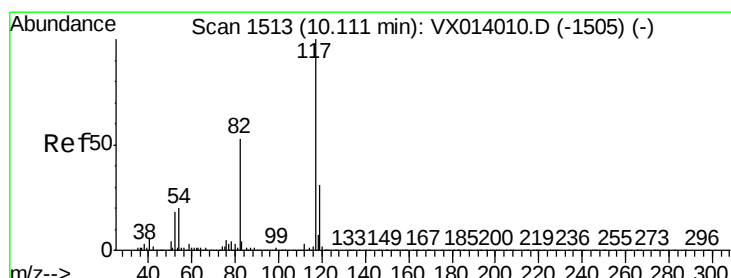
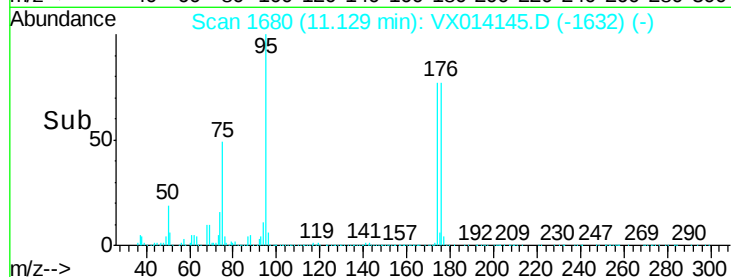
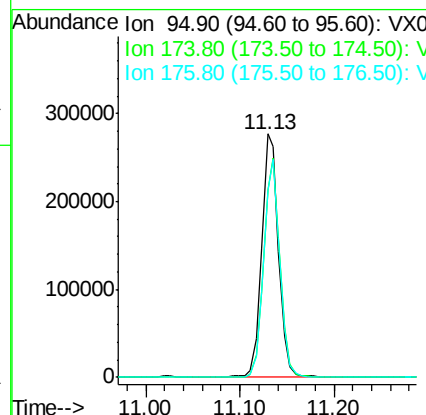
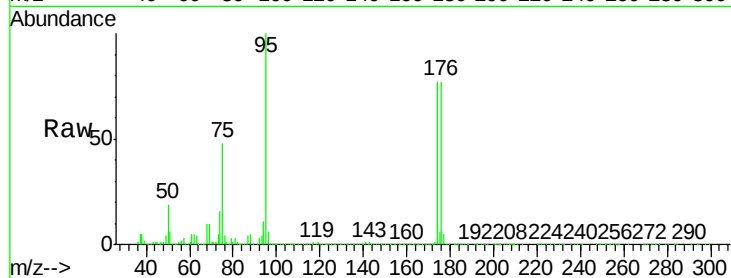
#62
4-Bromofluorobenzene
Concen: 47.834 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
95	100	349359		
174	87.1	0.0	175.8	
176	86.1	0.0	173.0	

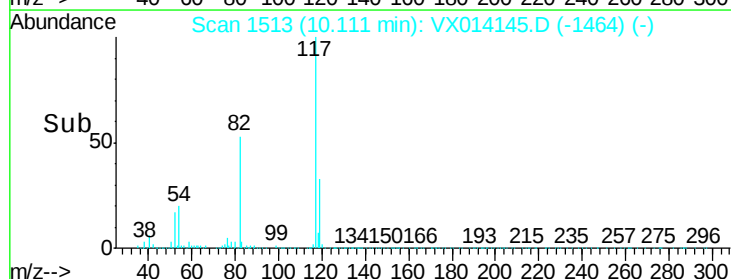
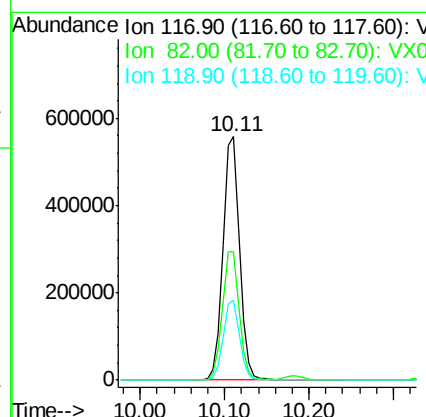
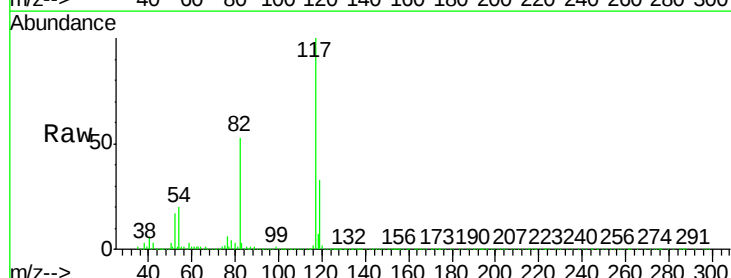
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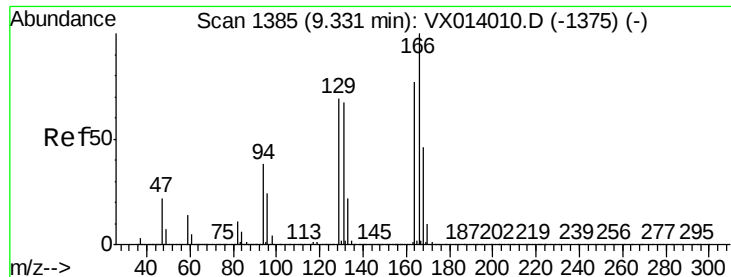
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	764673		
82	52.9	42.2	63.4	
119	32.6	25.1	37.7	





#64

Tetrachloroethene

Concen: 2.441 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Instrument :

MSVOA_X

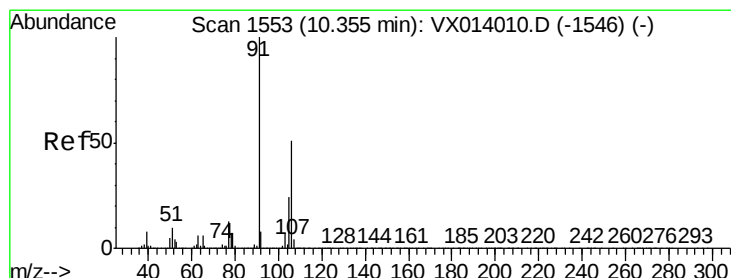
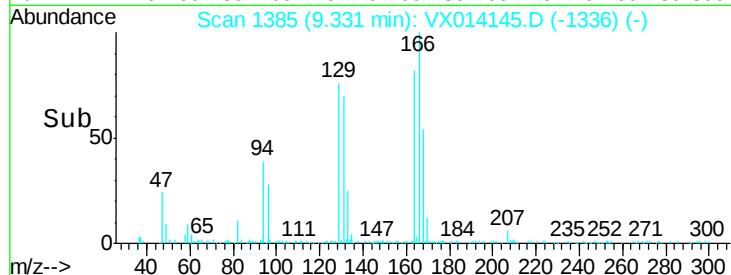
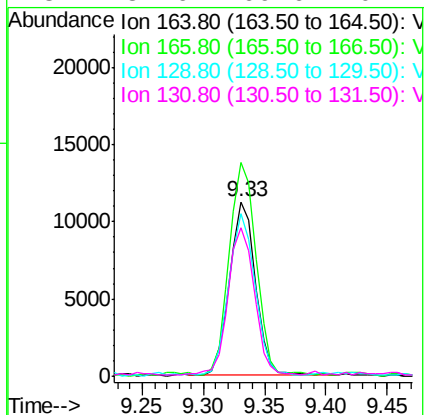
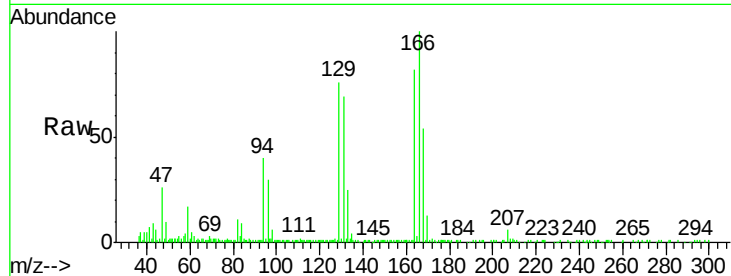
ClientSampled :

MW-5

Tot Ion:	164	Resp:	16514
Ion	Ratio	Lower	Upper
164	100		
166	122.3	104.0	156.0
129	92.4	72.2	108.4
131	84.6	69.6	104.4

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#68

m/p-Xylenes

Concen: 2.279 ug/l

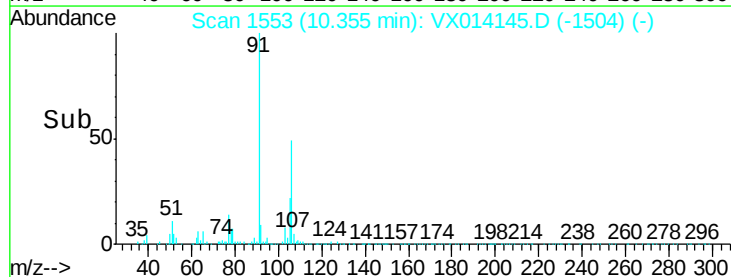
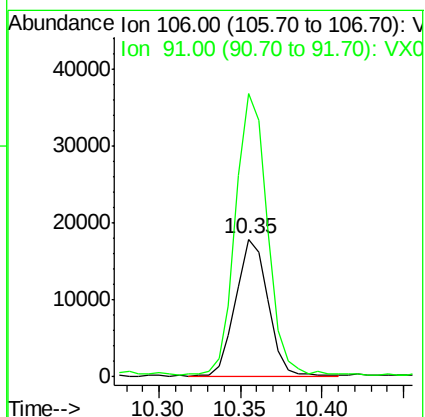
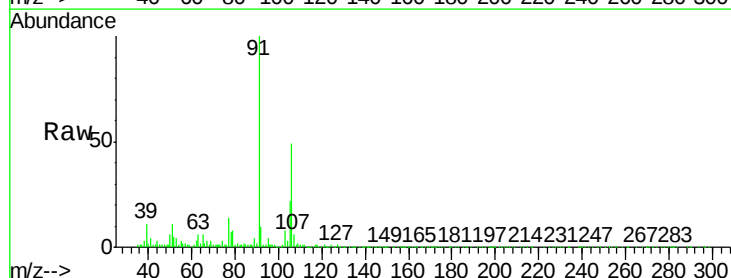
RT: 10.35 min Scan# 1553

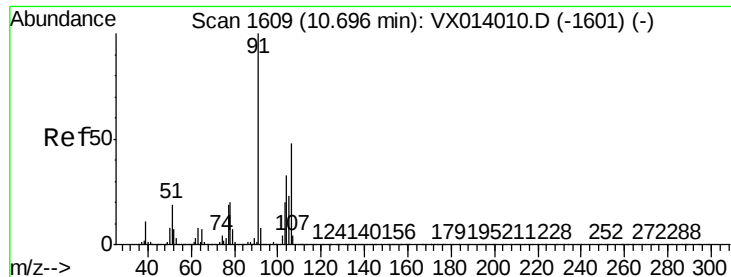
Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Tgt Ion:	106	Resp:	24499
Ion	Ratio	Lower	Upper
106	100		
91	204.0	158.6	238.0





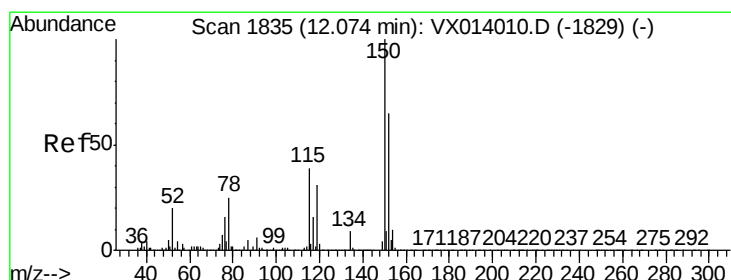
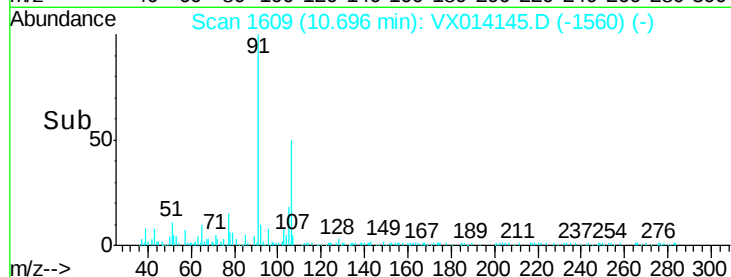
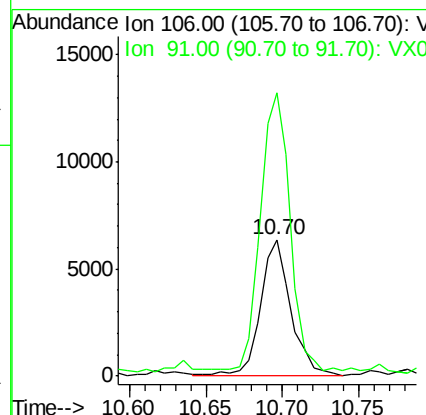
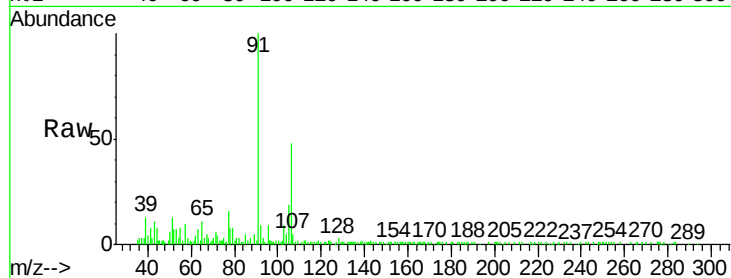
#69
o-Xylene
Concen: 0.845 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
106	100		
91	195.3	104.2	312.6

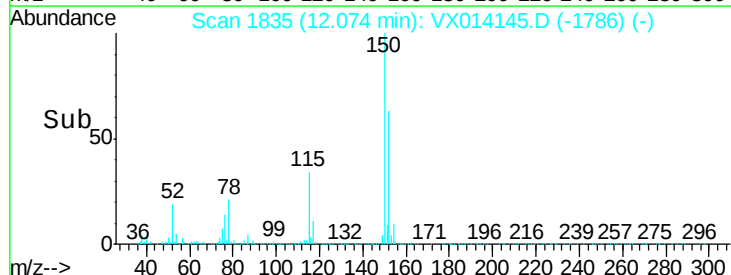
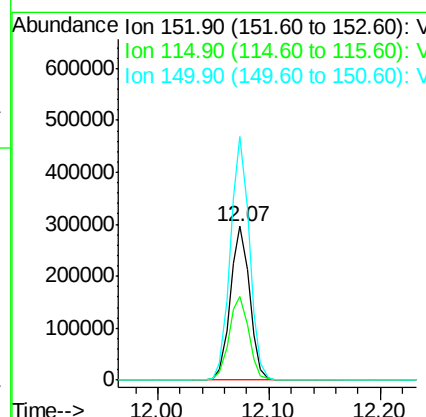
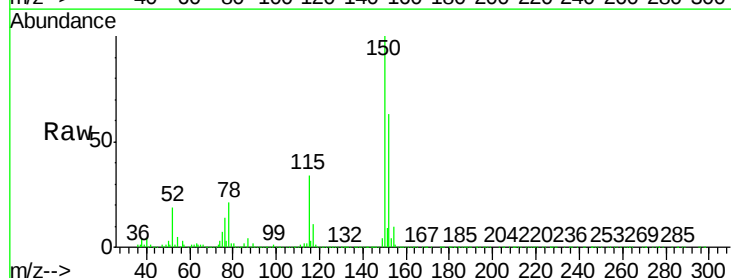
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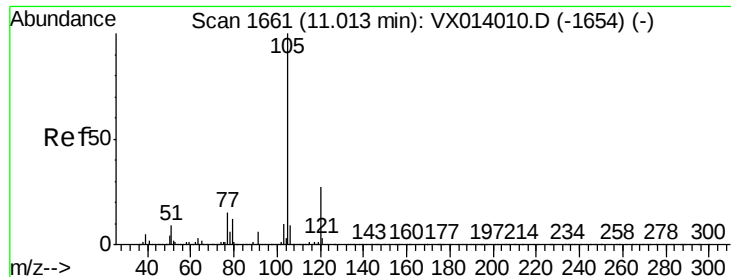
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	38.3	114.9
150	156.4	0.0	345.4





#73

Isopropylbenzene

Concen: 1.350 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014145.D

Acq: 20 Dec 2019 02:09

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tot Ion: 105 Resp: 33694

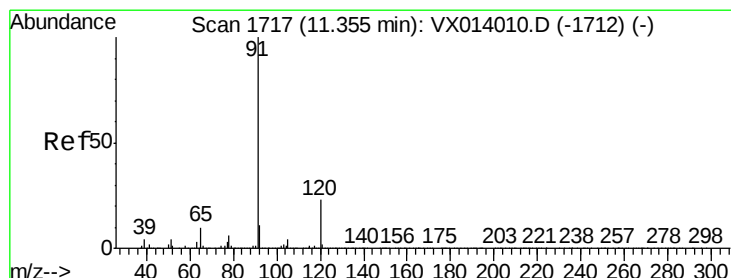
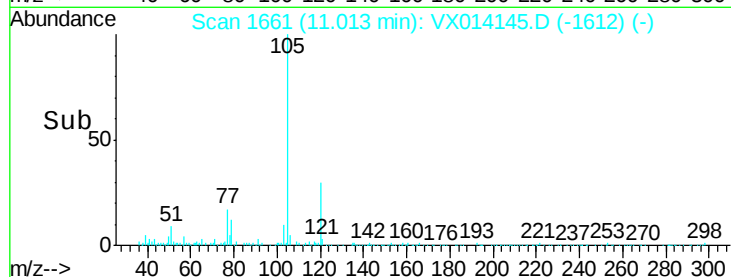
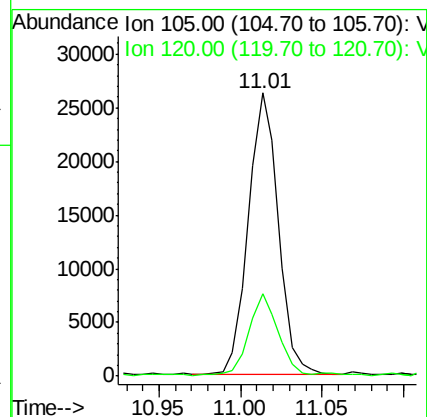
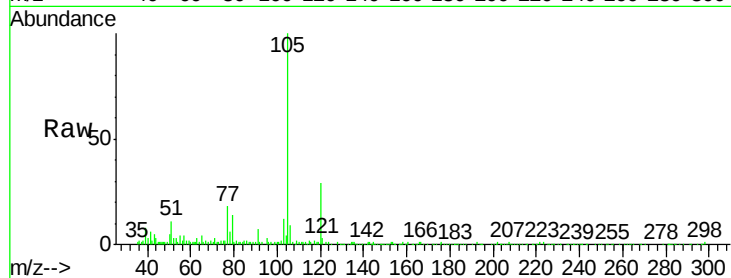
Ion Ratio Lower Upper

105 100

120 28.0 13.5 40.4

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#78

n-propylbenzene

Concen: 0.329 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014145.D

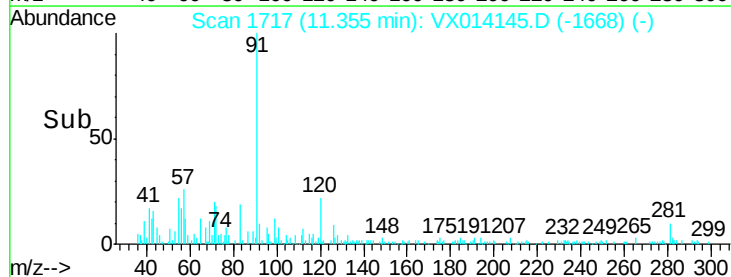
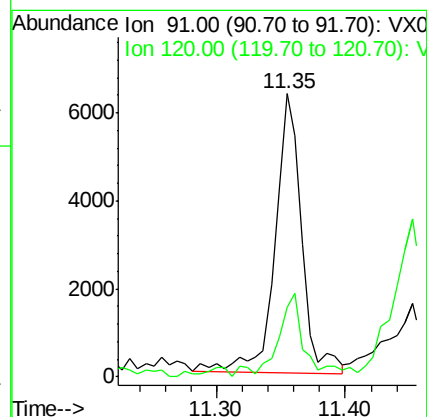
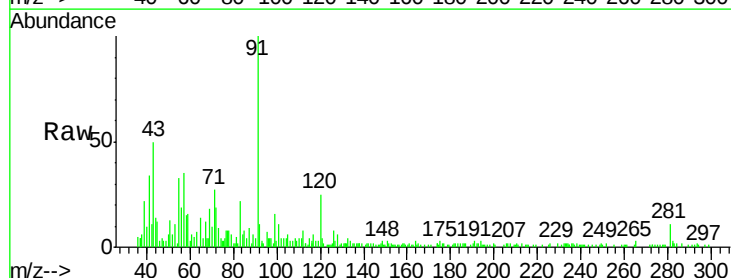
Acq: 20 Dec 2019 02:09

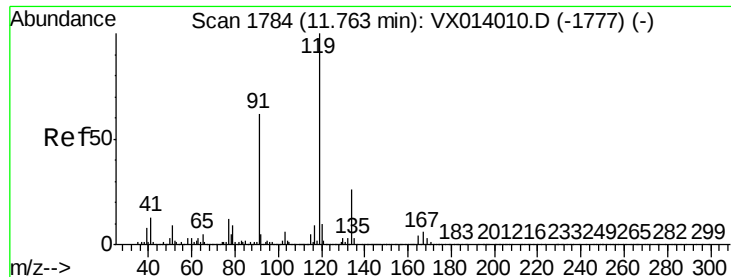
Tgt Ion: 91 Resp: 9207

Ion Ratio Lower Upper

91 100

120 28.2 11.7 35.0





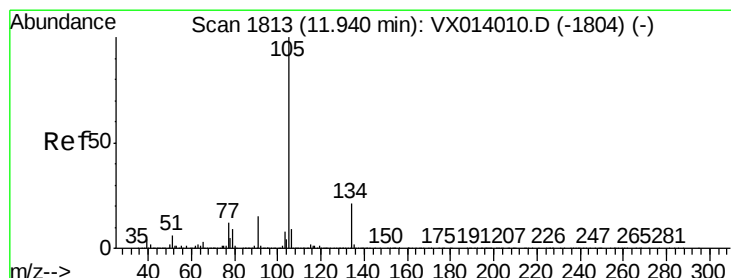
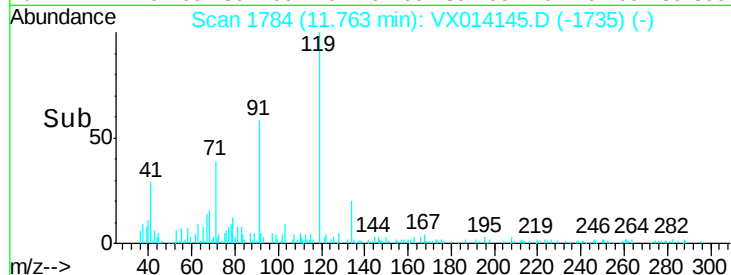
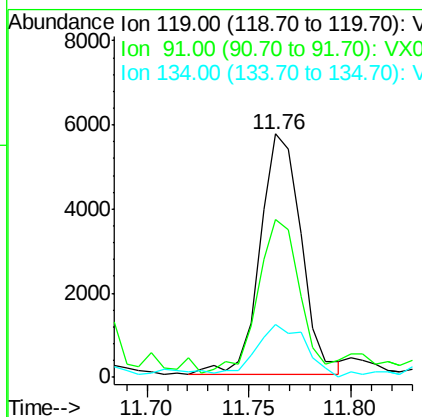
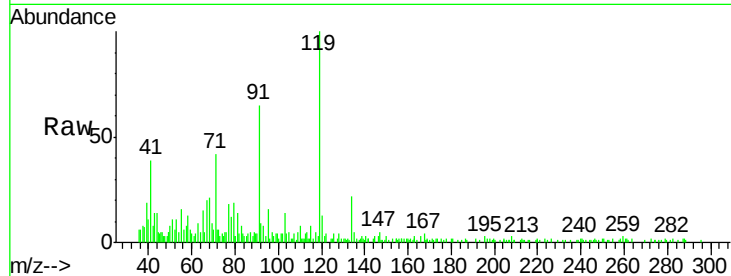
#83
tert-Butylbenzene
Concen: 0.395 ug/l
RT: 11.76 min Scan# 1784
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.3	28.5	85.6
134	26.8	12.2	36.6

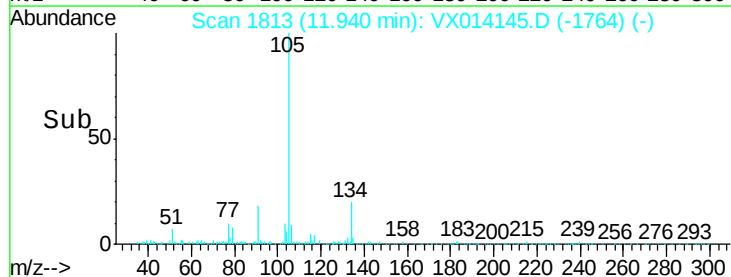
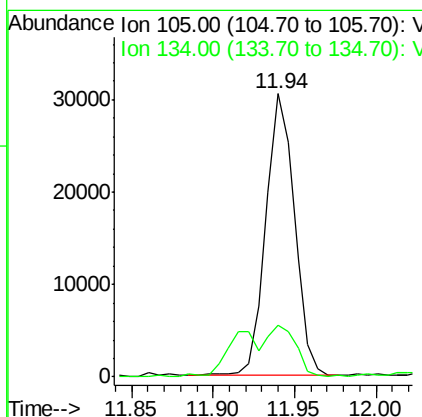
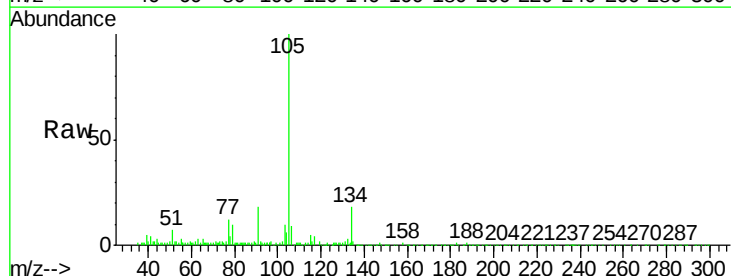
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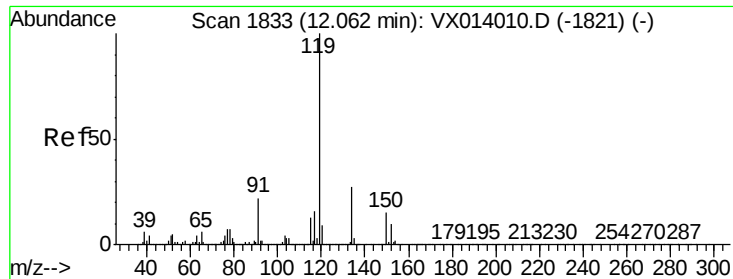
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#85
sec-Butylbenzene
Concen: 1.546 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.5	10.4	31.1





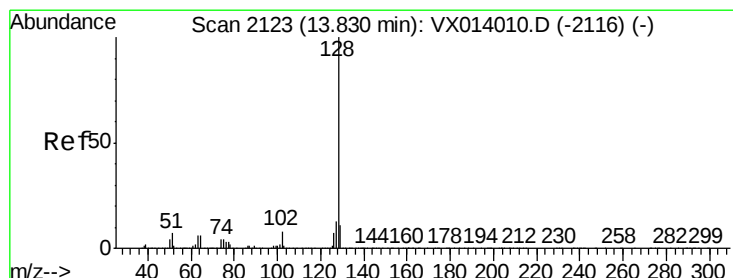
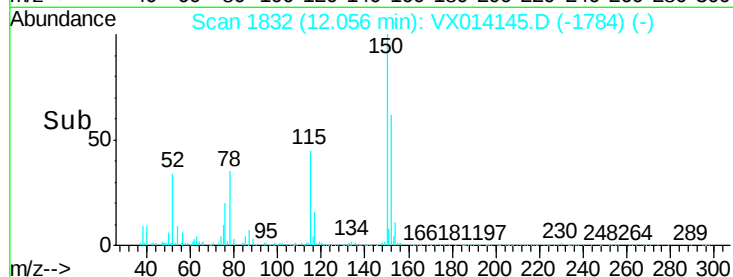
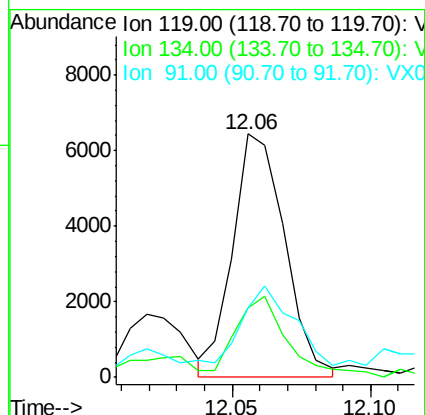
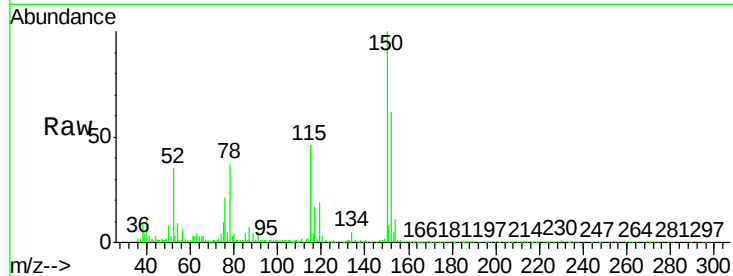
#86
p-Isopropyltoluene
Concen: 0.382 ug/l m
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	8420		
134	70.2		13.4	40.1#
91	0.0		11.4	34.1#

Manual Integrations
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#95
Naphthalene
Concen: 0.763 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014145.D
Acq: 20 Dec 2019 02:09

Tgt Ion	Ratio	Resp	Lower	Upper
128	100	17642		
127	19.2		10.2	15.4#
129	15.6		8.7	13.1#

