

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112019\
 Data File : VX013482.D
 Acq On : 20 Nov 2019 17:08
 Operator : JC/SP
 Sample : K5958-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Manual Integrations
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MMDadoda
 11/21/2019 9:54:23 AM

Quant Time: Nov 21 04:01:19 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 02 07:06:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	735868	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1180143	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1084264	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	510764	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	426890	48.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.94%	
35) Dibromofluoromethane	5.49	113	357957	48.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.72%	
50) Toluene-d8	8.71	98	1432971	51.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.70%	
62) 4-Bromofluorobenzene	11.14	95	503088	49.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.90%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	16474	1.792	ug/l	100
11) Tert butyl alcohol	3.01	59	180370	78.498	ug/l #	79
16) Acetone	2.43	43	9424	2.167	ug/l #	85
30) Chloroform	5.20	83	22749	1.739	ug/l	96
31) Cyclohexane	5.56	56	7254	0.609	ug/l #	90
39) Methylcyclohexane	7.46	83	26621	2.110	ug/l	96
40) Benzene	6.14	78	8777	0.278	ug/l #	86
44) Trichloroethene	7.20	130	5263	0.606	ug/l	70
64) Tetrachloroethene	9.33	164	8635	1.112	ug/l	89
67) Ethyl Benzene	10.25	91	3792420	100.101	ug/l	98
68) m/p-Xylenes	10.35	106	859828	60.010	ug/l	100
69) o-Xylene	10.70	106	646124	46.061	ug/l	99
73) Isopropylbenzene	11.01	105	3641878	107.543	ug/l	100
78) n-propylbenzene	11.35	91	7426603	196.872	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	8592273	304.612	ug/l	96
83) tert-Butylbenzene	11.77	119	405293	14.274	ug/l	88
84) 1,2,4-Trimethylbenzene	11.80	105	16481094m	582.454	ug/l	
85) sec-Butylbenzene	11.94	105	1903016	58.314	ug/l #	77
86) p-Isopropyltoluene	12.06	119	983685	32.735	ug/l	99
88) 1,4-Dichlorobenzene	12.09	146	7422	0.453	ug/l #	49
89) n-Butylbenzene	12.38	91	1616622	61.654	ug/l #	51
95) Naphthalene	13.83	128	1995101	56.672	ug/l	99

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

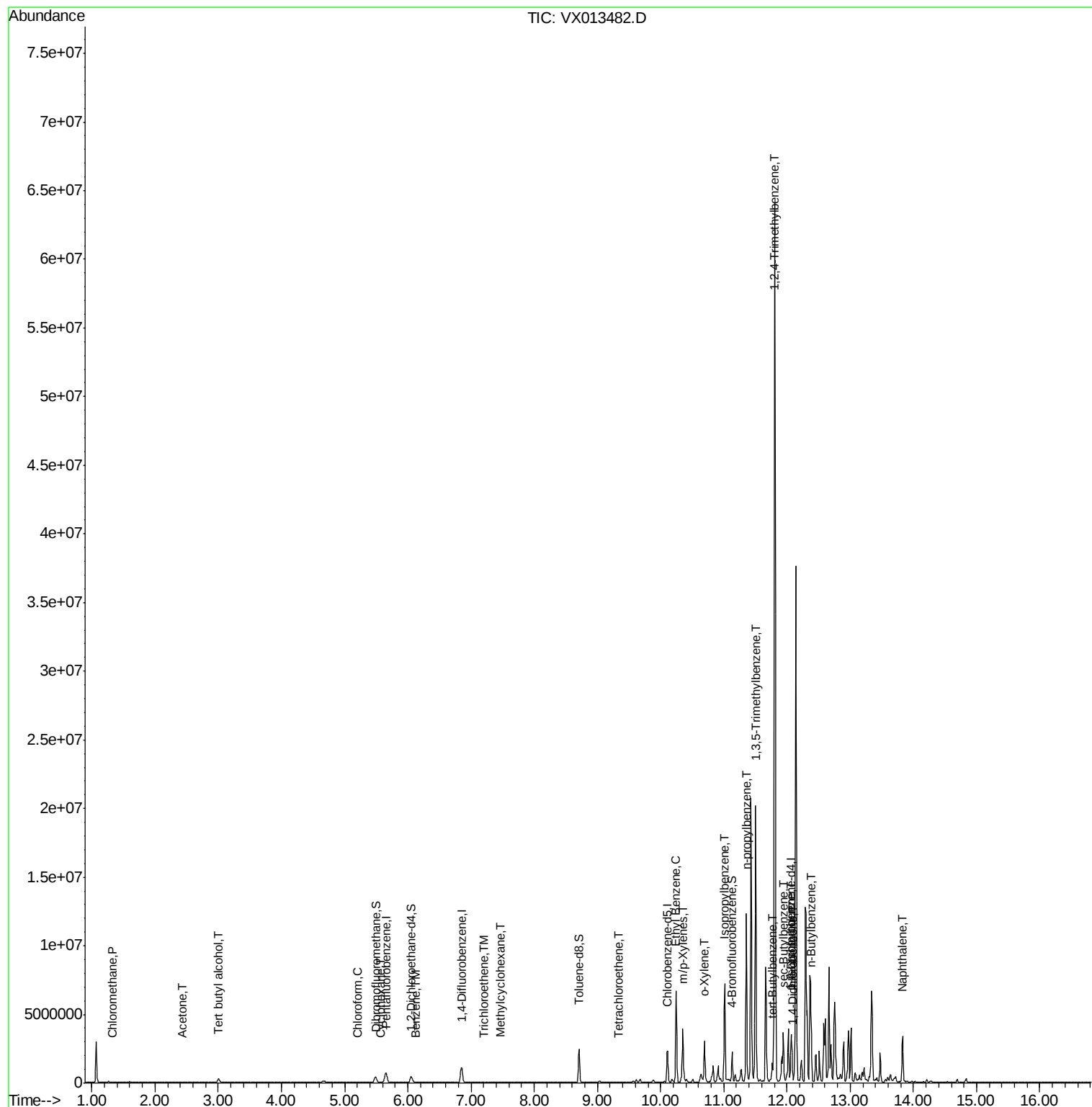
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013482.D
Acq On : 20 Nov 2019 17:08
Operator : JC/SP
Sample : K5958-07
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 16 Sample Multiplier: 1

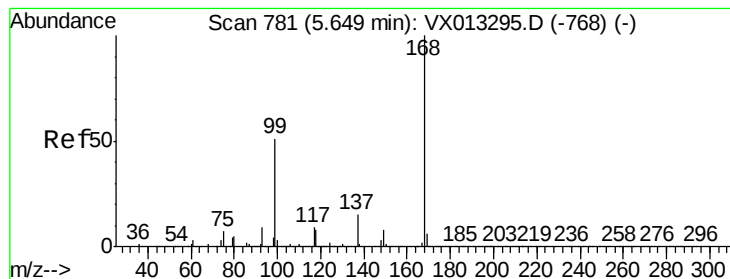
Instrument :
MSVOA_X
ClientSampleId :
MW-5

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Quant Time: Nov 21 04:01:19 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X103119W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 02 07:06:38 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: VX013482.D

Acq: 20 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampled :

MW-5

Tot Ion:168 Resp: 735868

Ion Ratio Lower Upper

168 100

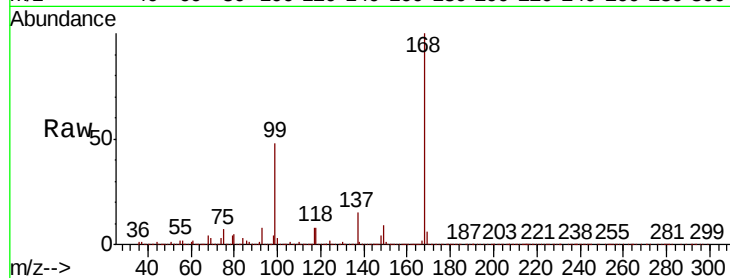
99 48.4 40.8 61.2

Manual Integrations

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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

250000

200000

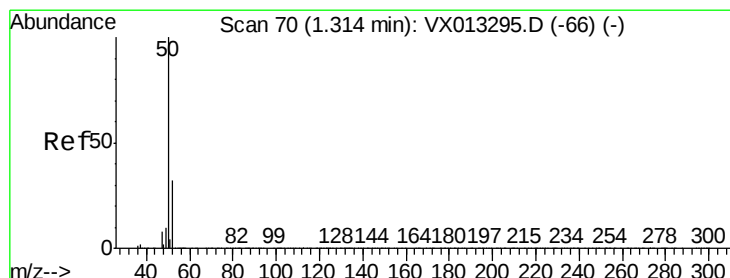
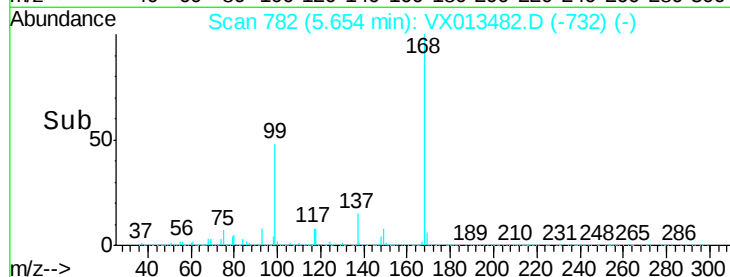
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 1.792 ug/l

RT: 1.32 min Scan# 71

Delta R.T. 0.01 min

Lab File: VX013482.D

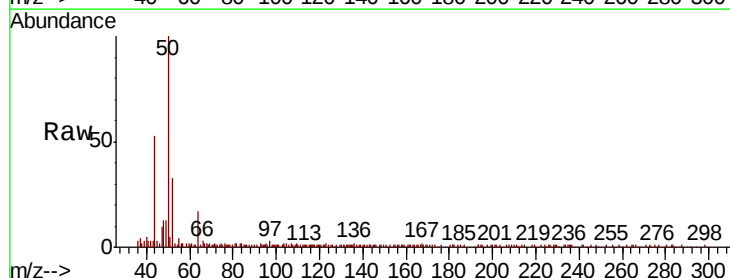
Acq: 20 Nov 2019 17:08

Tgt Ion: 50 Resp: 16474

Ion Ratio Lower Upper

50 100

52 31.6 25.5 38.3



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0

20000

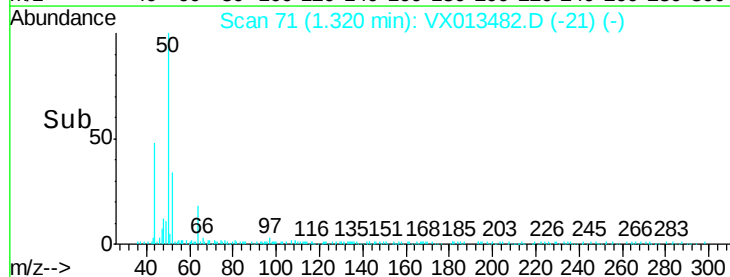
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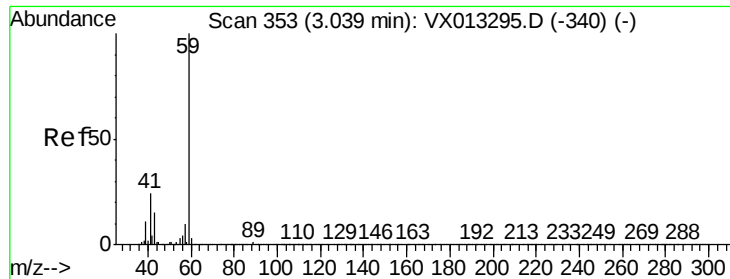
10000

5000

0

Time-->





#11

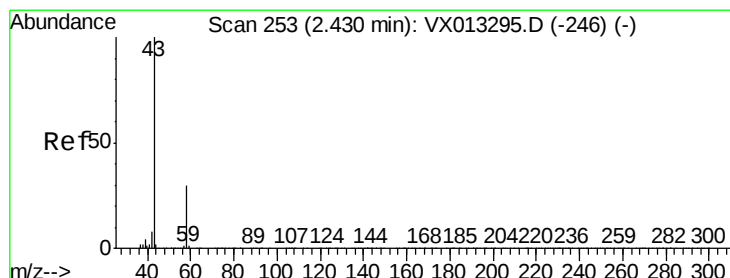
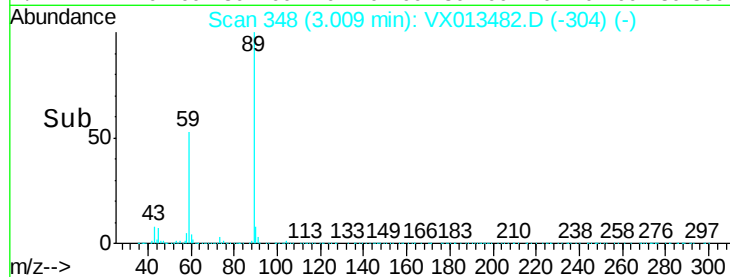
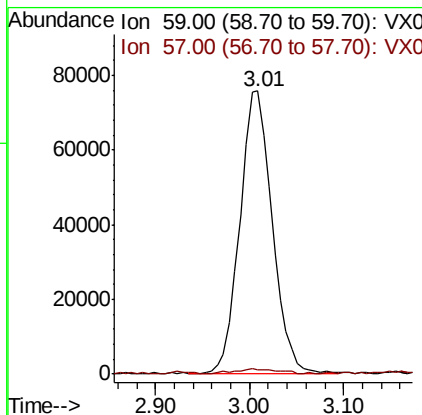
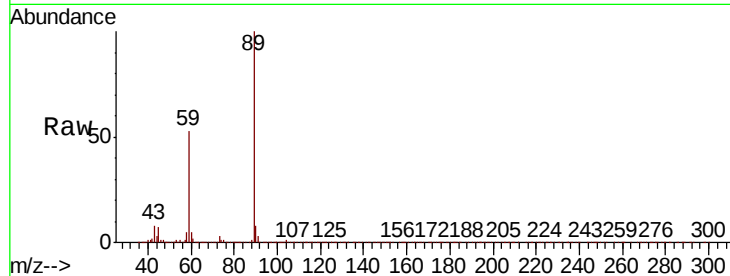
Tert butyl alcohol
Concen: 78.498 ug/l
RT: 3.01 min Scan# 348
Delta R.T. -0.03 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
59	100	180370		
57	2.2	8.0	12.0#	

Manual Integrations
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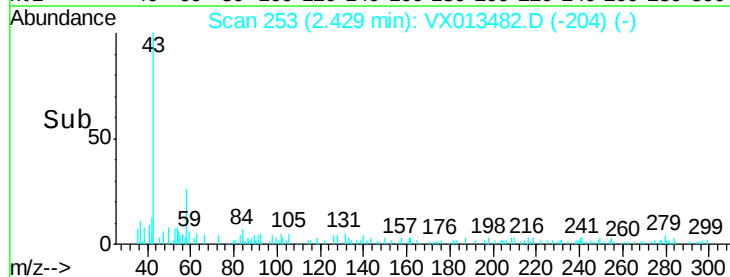
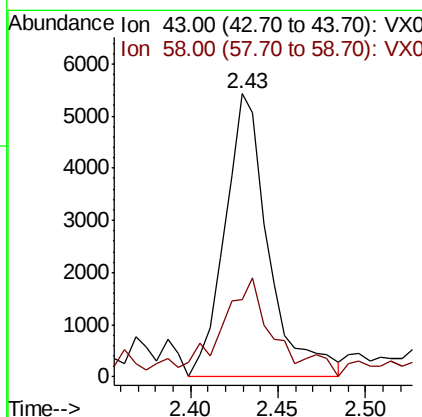
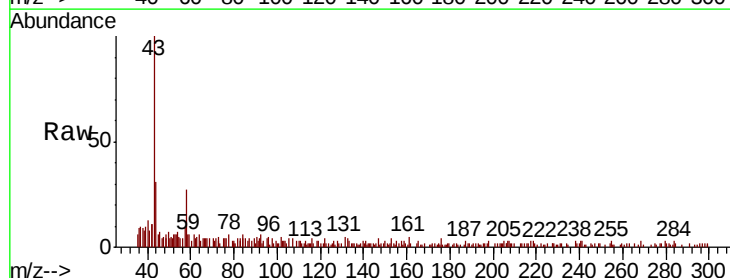
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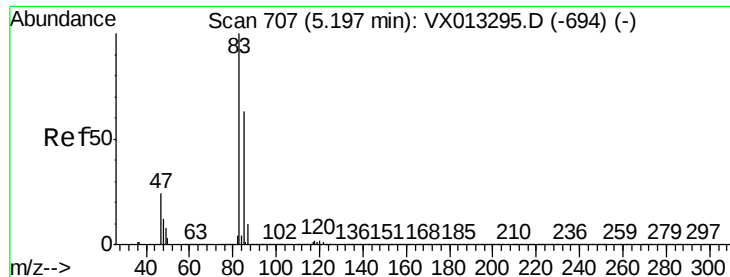


#16

Acetone
Concen: 2.167 ug/l
RT: 2.43 min Scan# 253
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	9424		
58	22.4	24.3	36.5#	





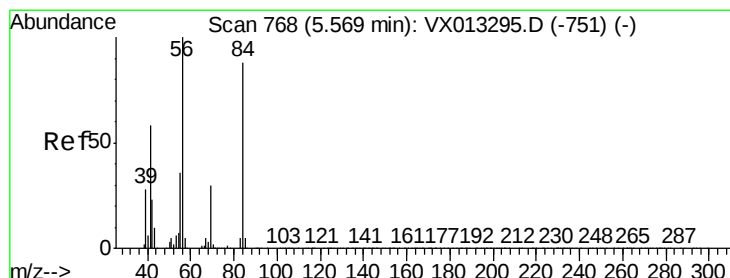
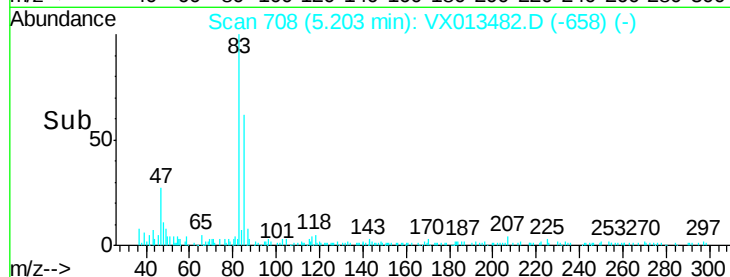
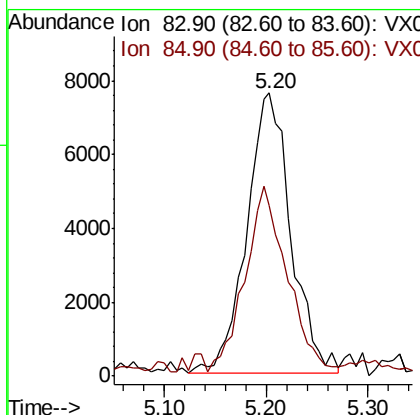
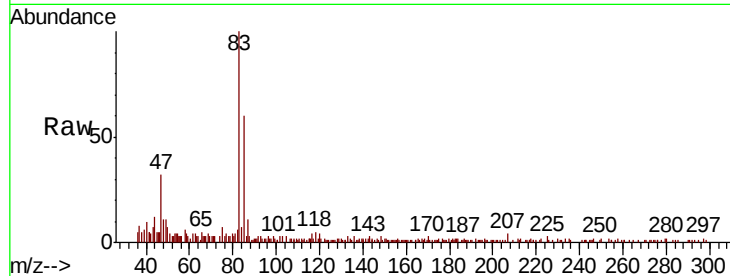
#30
Chloroform
Concen: 1.739 ug/l
RT: 5.20 min Scan# 708
Delta R.T. 0.01 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	83	Resp	22749
Ion Ratio	100	Lower	Upper
85	60.0	50.2	75.4

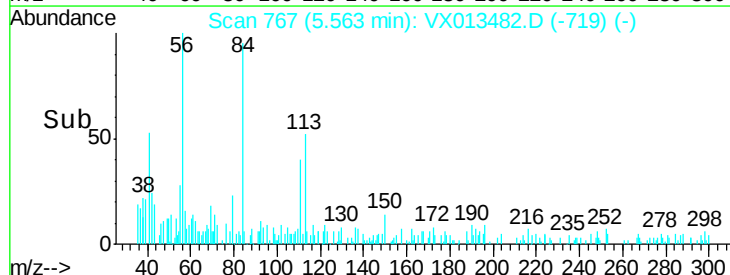
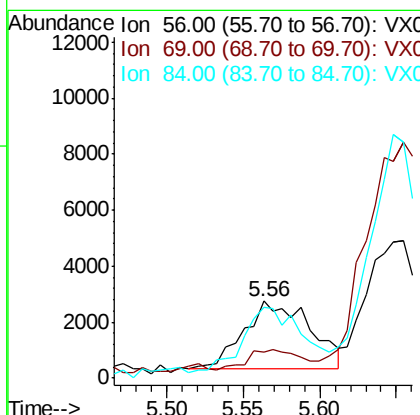
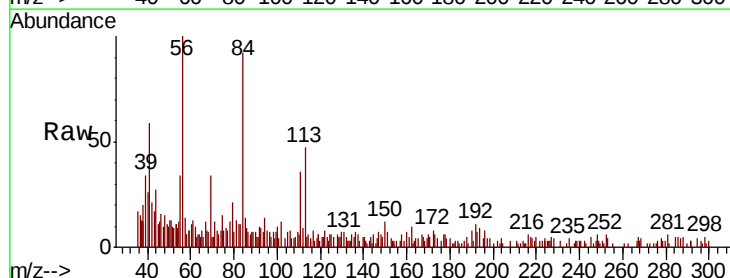
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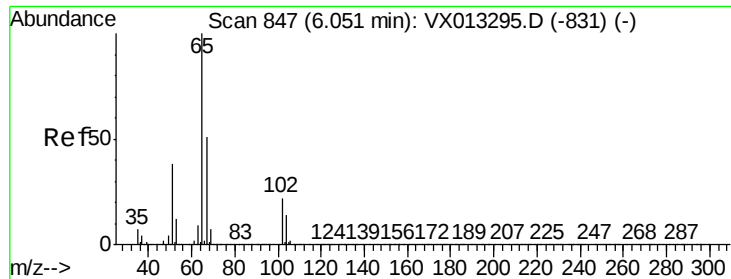
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#31
Cyclohexane
Concen: 0.609 ug/l
RT: 5.56 min Scan# 767
Delta R.T. -0.01 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	56	Resp	7254
Ion Ratio	100	Lower	Upper
69	20.9	23.7	35.5#
84	95.9	70.6	105.8





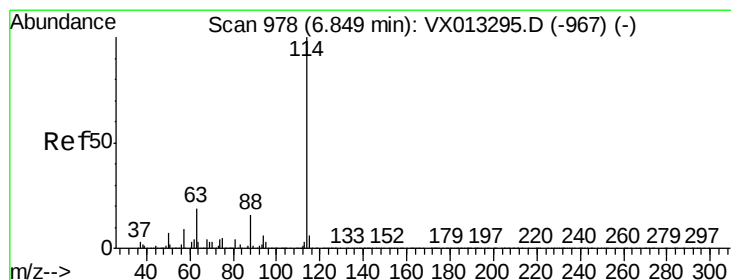
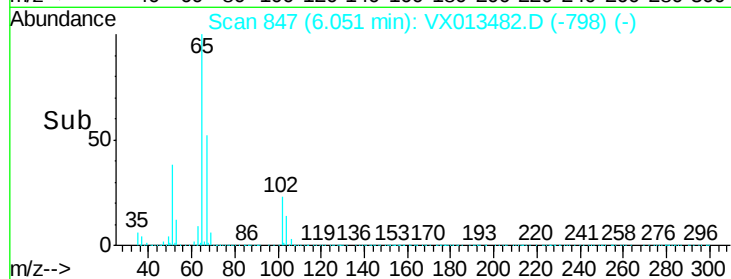
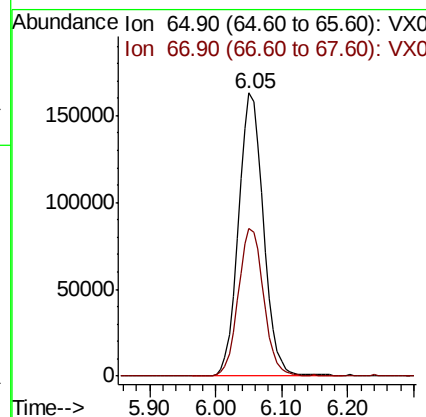
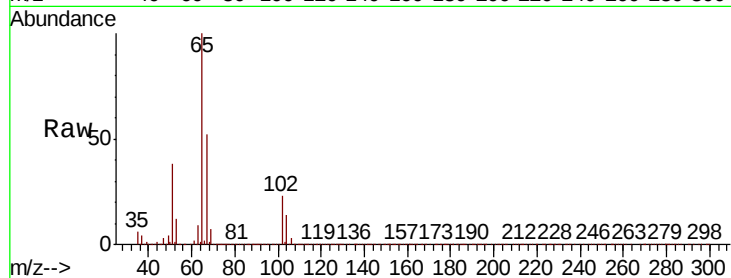
#33
 1,2-Dichloroethane-d4
 Concen: 48.967 ug/l
 RT: 6.05 min Scan# 847
 Delta R.T. -0.00 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tot Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.2

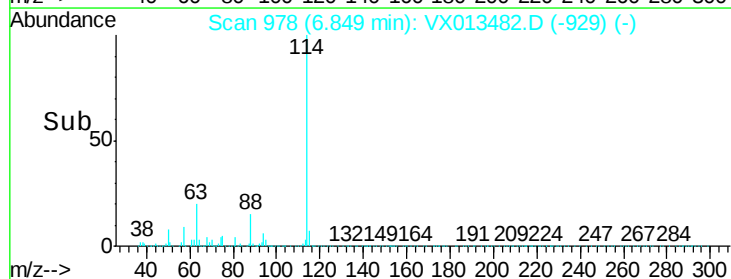
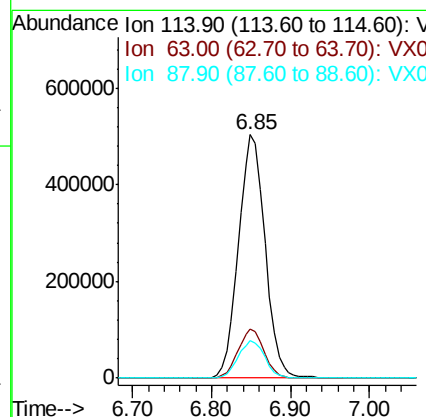
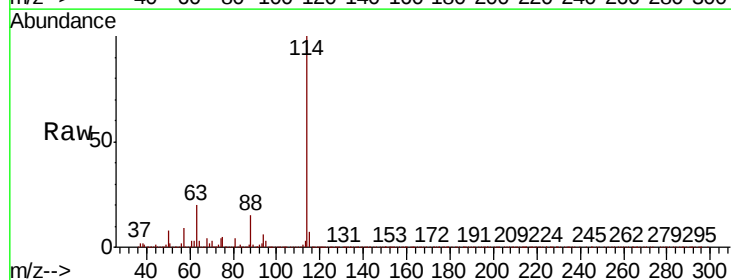
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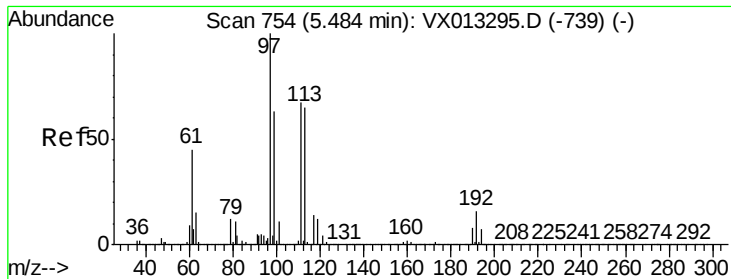
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	38.4
88	15.1	0.0	32.2





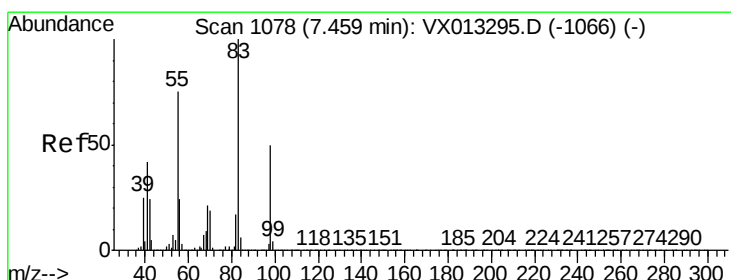
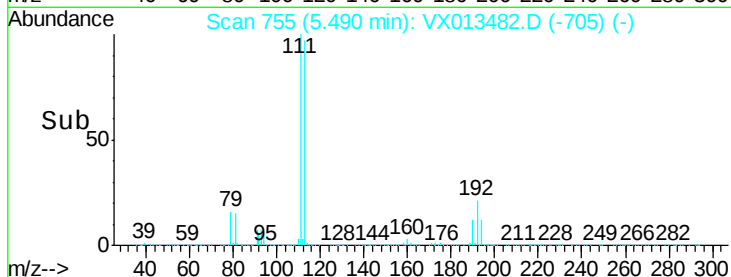
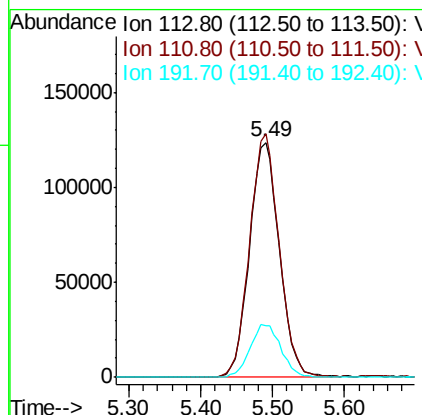
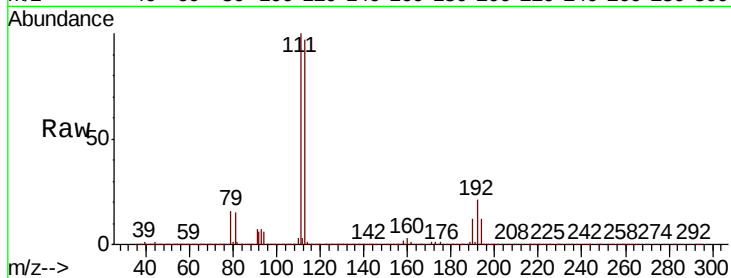
#35
Dibromofluoromethane
Concen: 48.359 ug/l
RT: 5.49 min Scan# 755
Delta R.T. 0.01 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
113	100	357957		
111	101.6	81.9	122.9	
192	22.8	19.1	28.7	

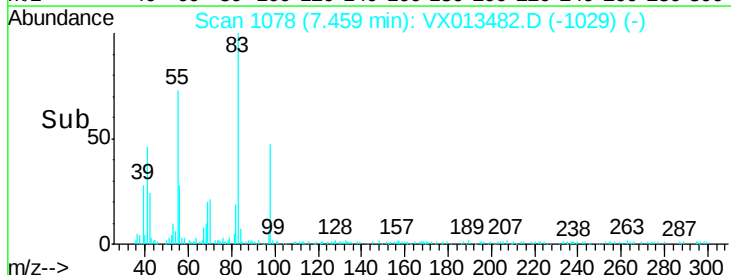
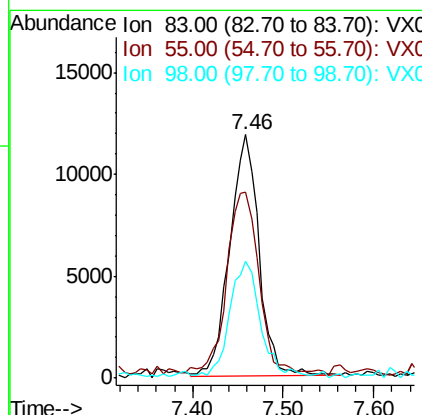
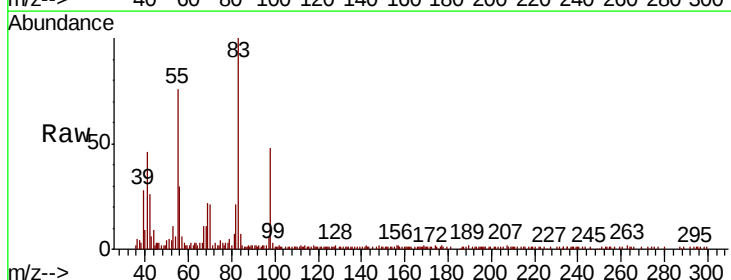
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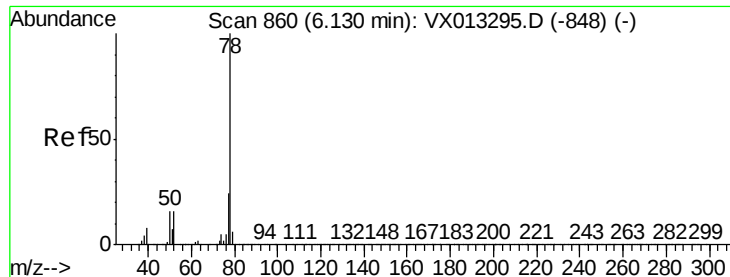
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#39
Methylcyclohexane
Concen: 2.110 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	26621		
55	72.6	60.3	90.5	
98	47.6	40.3	60.5	





#40

Benzene

Concen: 0.278 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013482.D

Acq: 20 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tot Ion: 78 Resp: 8777

Ion Ratio Lower Upper

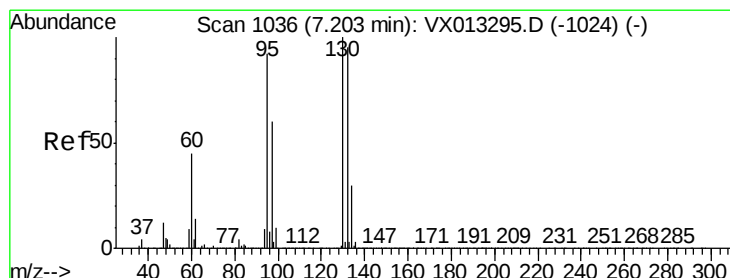
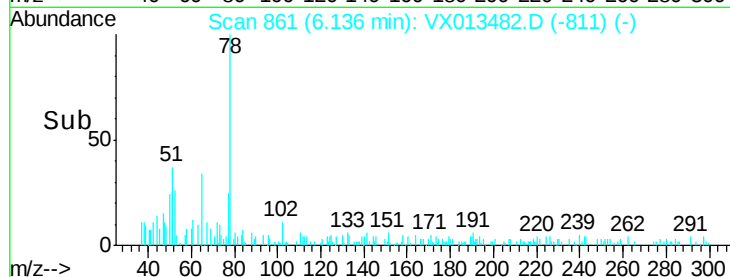
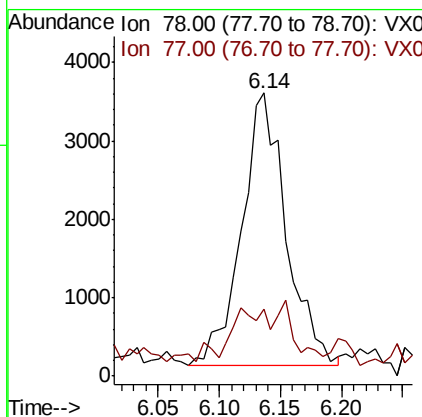
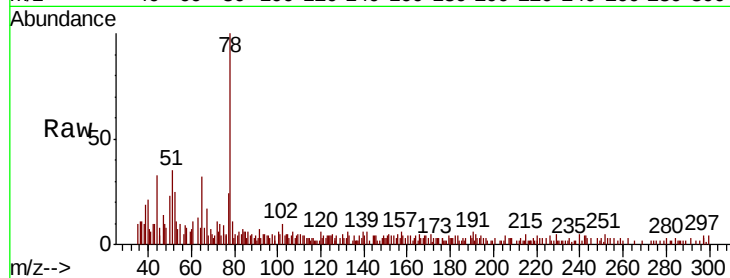
78 100

77 17.4 19.5 29.3#

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11/21/2019 9:54:23 AM



#44

Trichloroethene

Concen: 0.606 ug/l

RT: 7.20 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VX013482.D

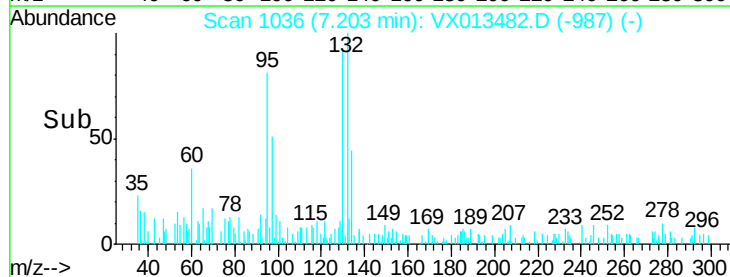
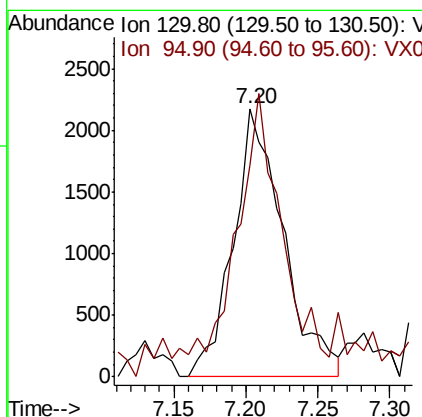
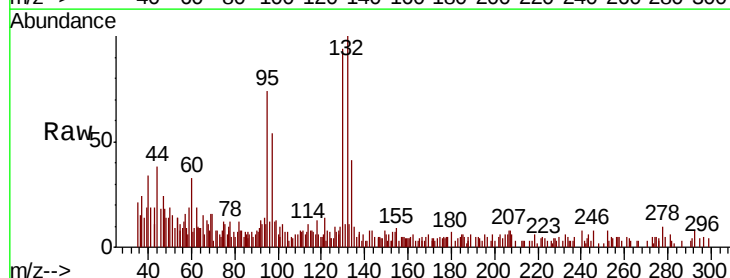
Acq: 20 Nov 2019 17:08

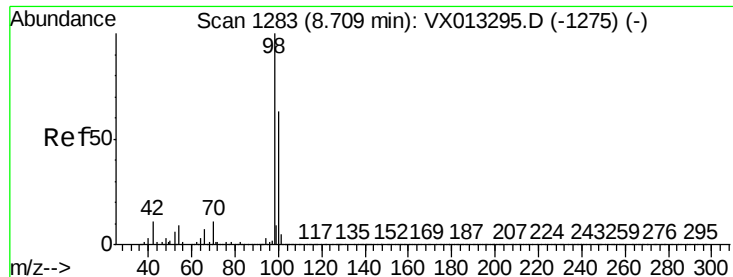
Tgt Ion: 130 Resp: 5263

Ion Ratio Lower Upper

130 100

95 64.2 0.0 184.8





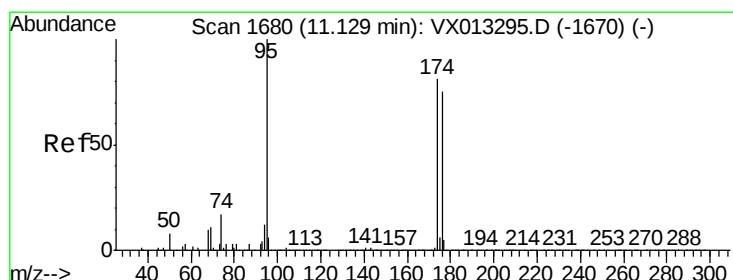
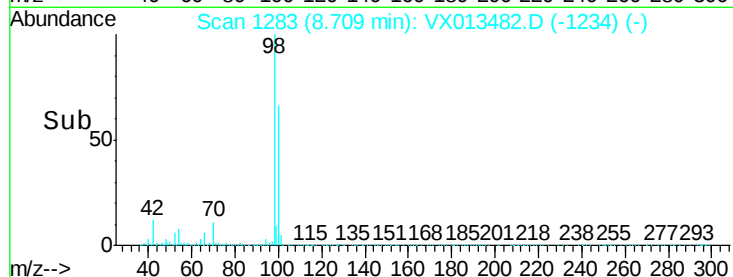
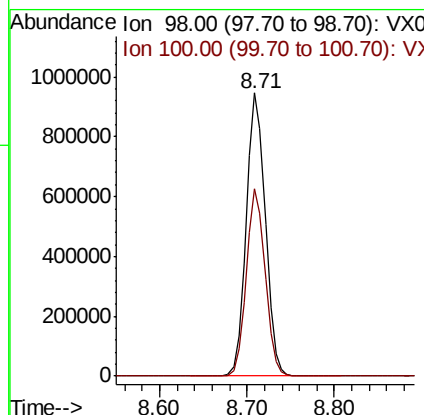
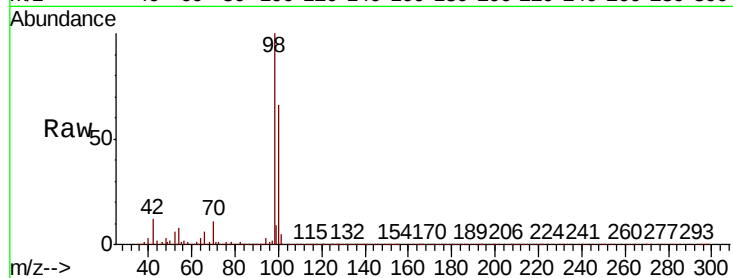
#50
Toluene-d8
Concen: 51.352 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion: 98 Resp: 1432971
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2

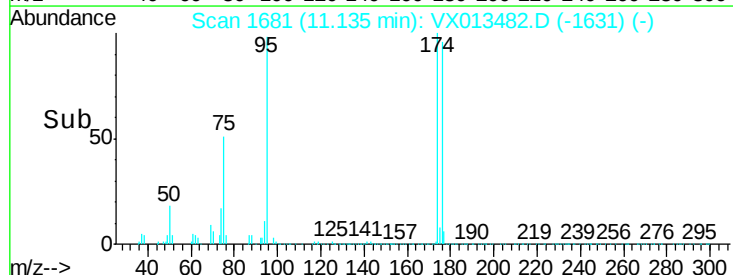
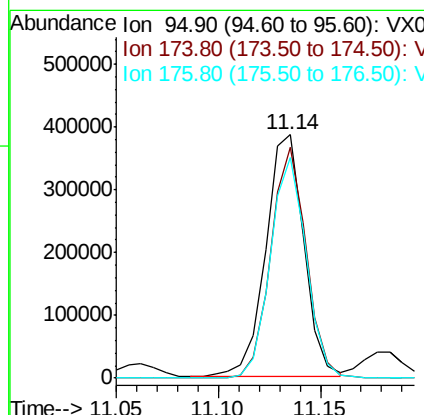
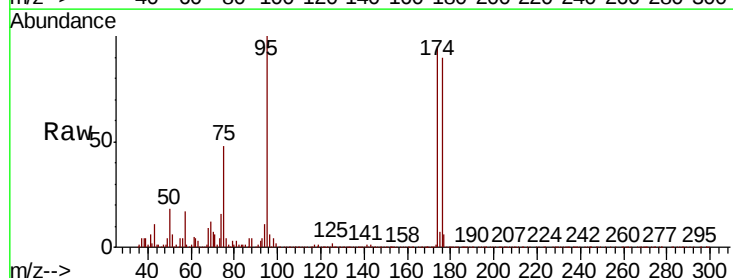
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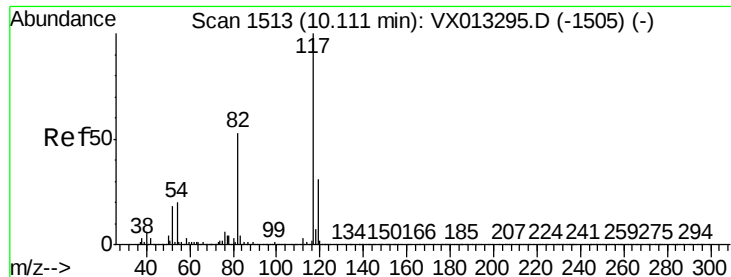
MMDadoda
11/21/2019 9:54:23 AM



#62
4-Bromofluorobenzene
Concen: 49.954 ug/l
RT: 11.14 min Scan# 1681
Delta R.T. 0.01 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion: 95 Resp: 503088
Ion Ratio Lower Upper
95 100
174 88.5 0.0 179.8
176 85.8 0.0 173.0





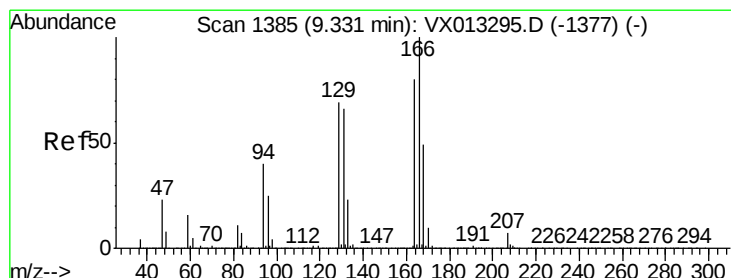
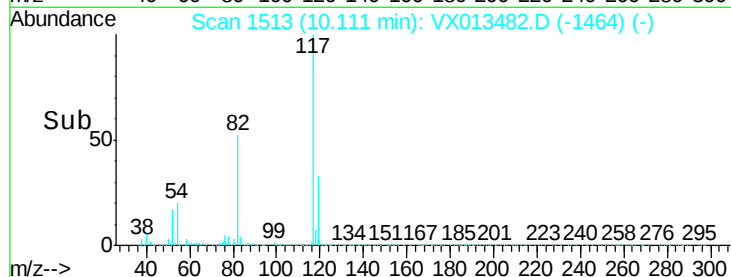
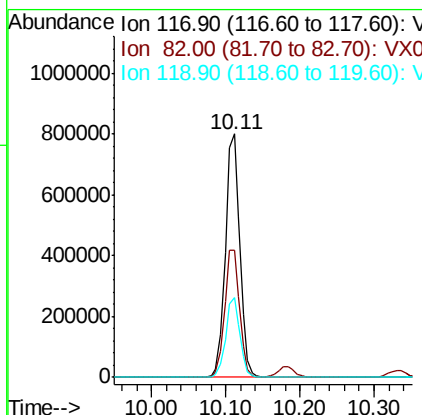
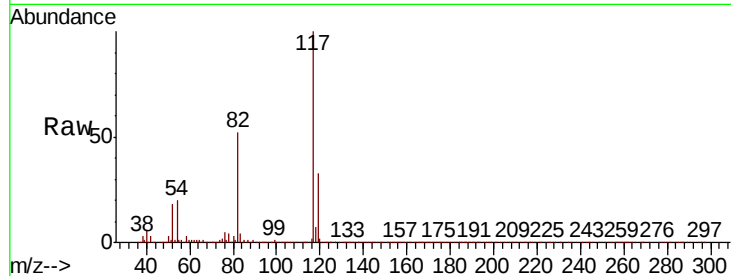
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	64.0
119	32.8	24.8	37.2

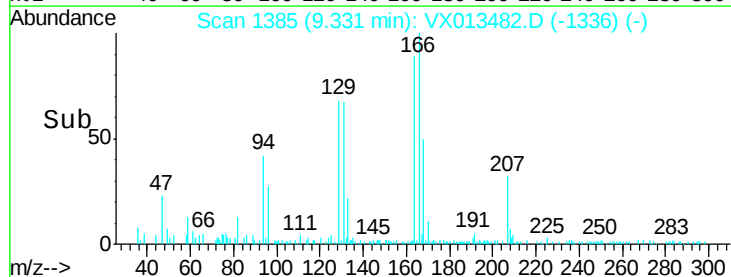
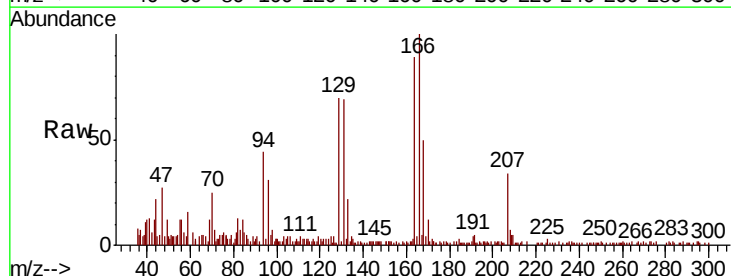
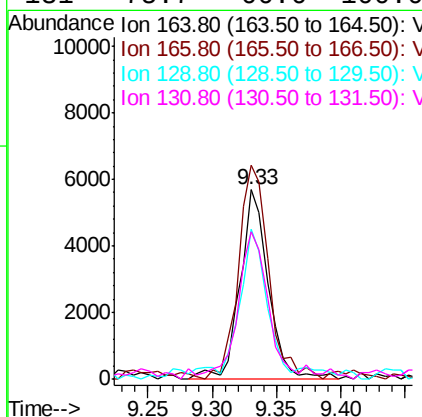
Manual Integrations
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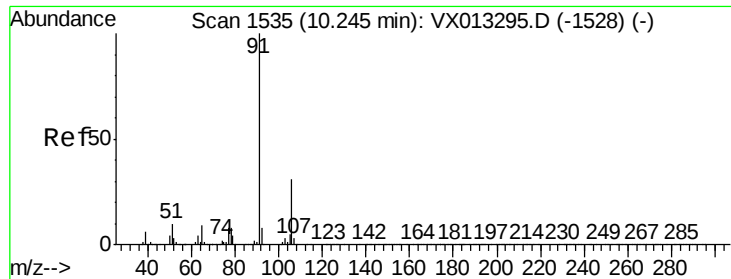
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#64
Tetrachloroethene
Concen: 1.112 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Lower	Upper
164	100		
166	110.2	100.4	150.6
129	76.9	69.4	104.2
131	75.7	66.6	100.0





#67

Ethyl Benzene

Concen: 100.101 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX013482.D

Acq: 20 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tot Ion: 91 Resp: 3792420

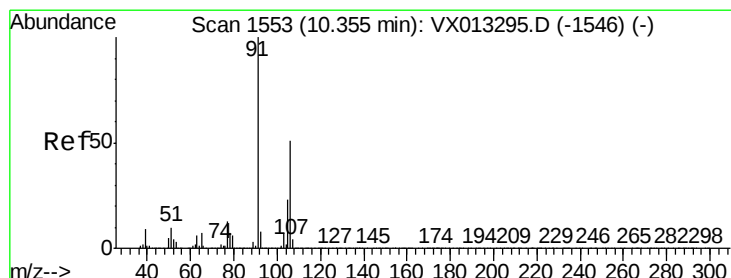
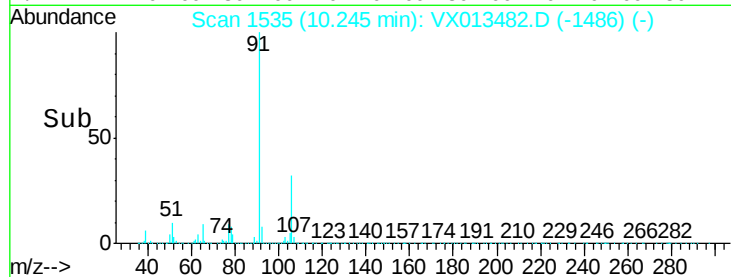
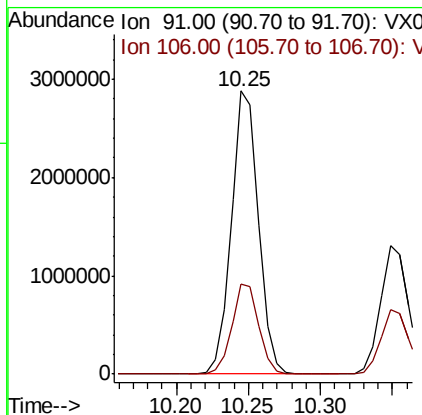
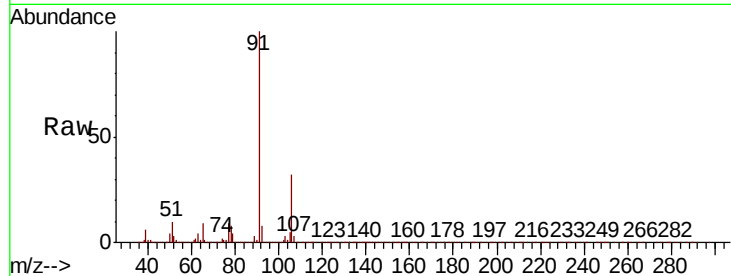
Ion Ratio Lower Upper

91 100

106 31.9 24.6 36.8

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#68

m/p-Xylenes

Concen: 60.010 ug/l

RT: 10.35 min Scan# 1552

Delta R.T. -0.01 min

Lab File: VX013482.D

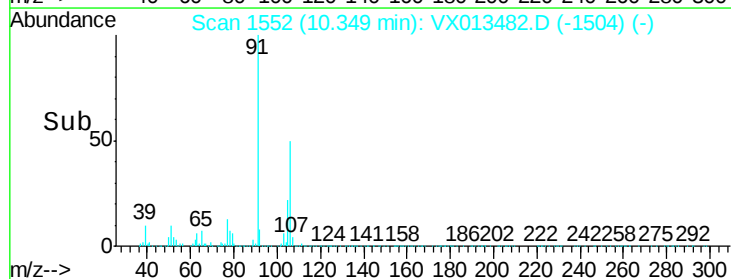
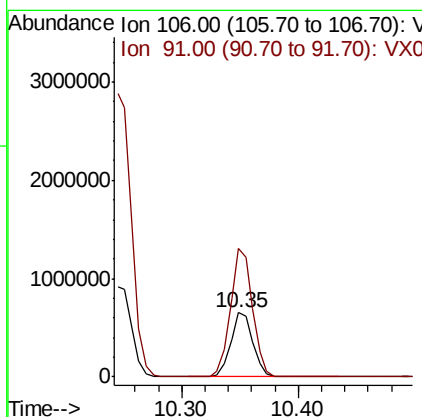
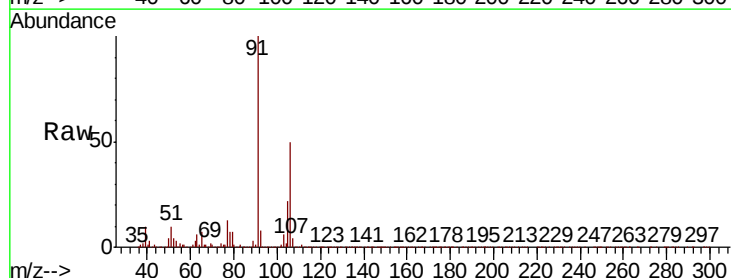
Acq: 20 Nov 2019 17:08

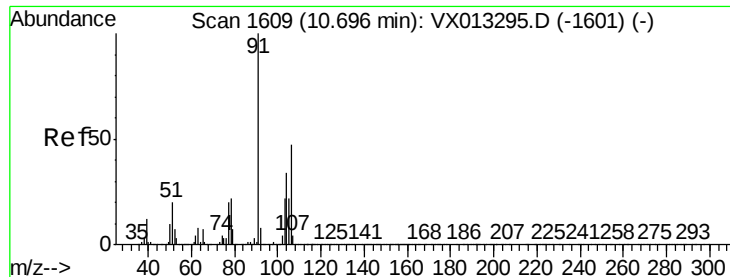
Tgt Ion: 106 Resp: 859828

Ion Ratio Lower Upper

106 100

91 199.7 159.3 238.9





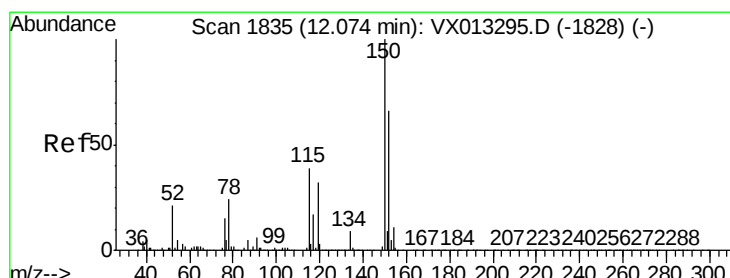
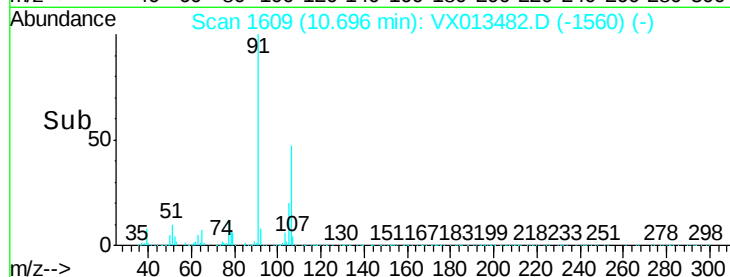
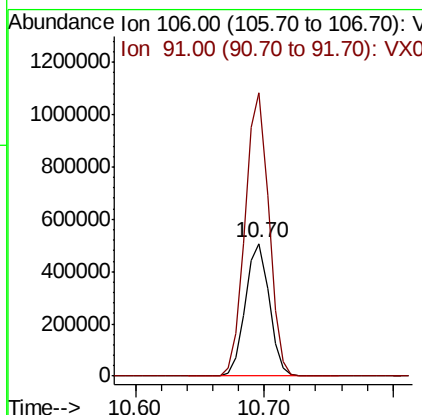
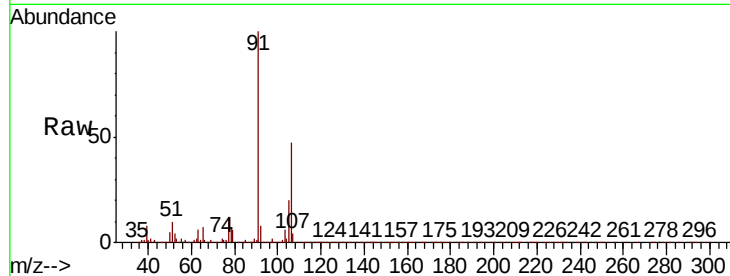
#69
o-Xylene
Concen: 46.061 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion:106 Resp: 646124
Ion Ratio Lower Upper
106 100
91 212.9 105.7 317.0

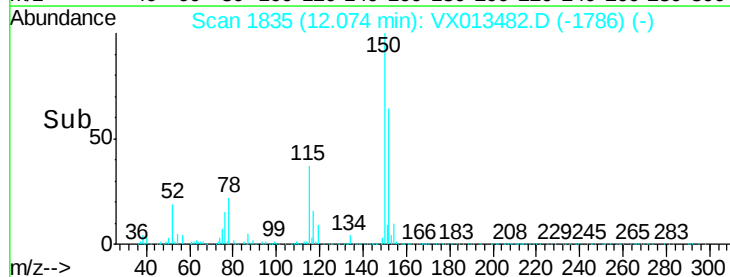
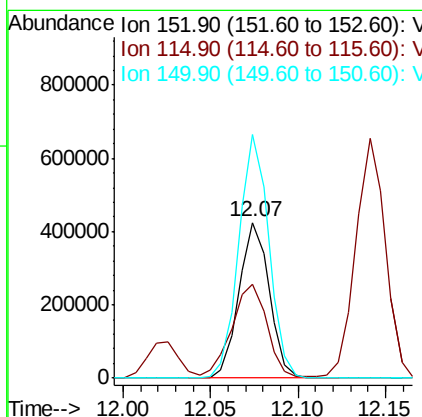
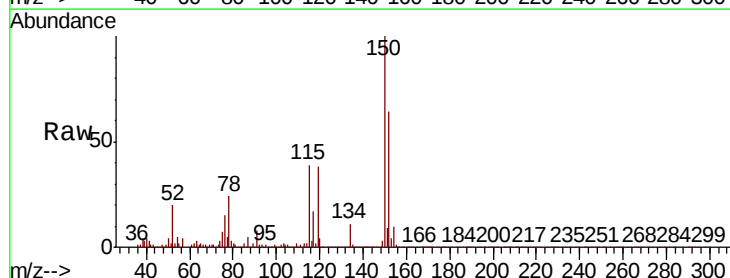
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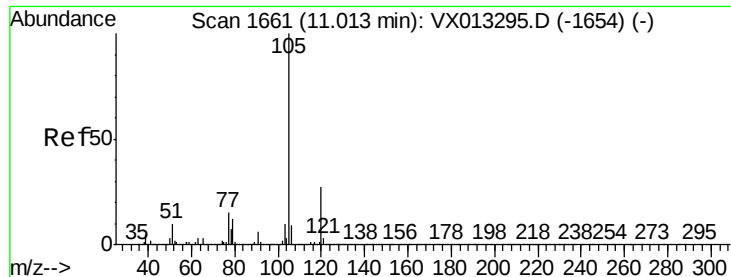
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion:152 Resp: 510764
Ion Ratio Lower Upper
152 100
115 69.2 39.5 118.3
150 155.6 0.0 344.4





#73

Isopropylbenzene

Concen: 107.543 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013482.D

Acq: 20 Nov 2019 17:08

Instrument :

MSVOA_X

ClientSampleId :

MW-5

Tot Ion:105 Resp: 3641878

Ion Ratio Lower Upper

105 100

120 27.1

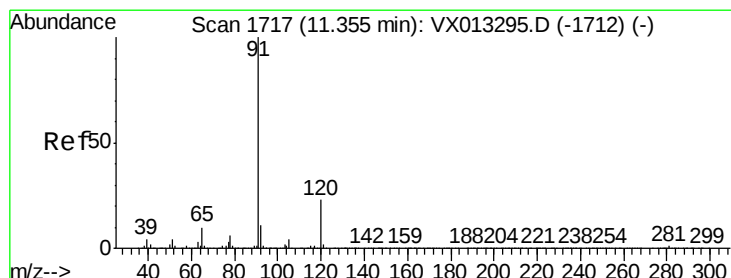
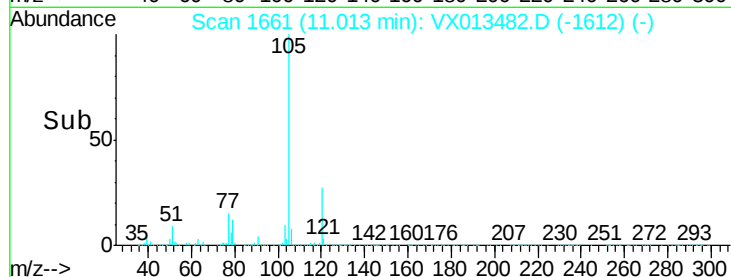
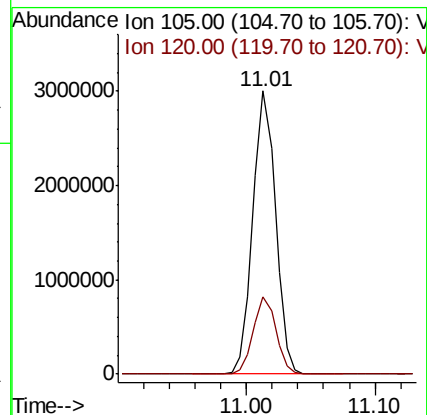
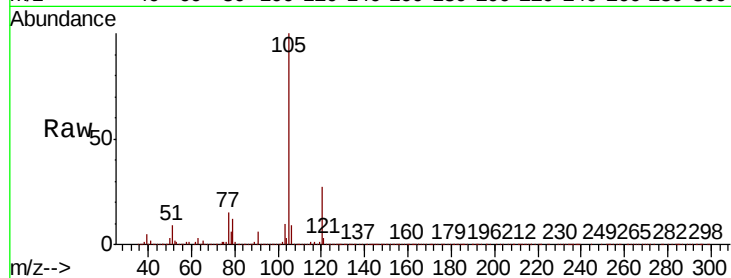
13.5

40.5

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11/21/2019 9:54:23 AM



#78

n-propylbenzene

Concen: 196.872 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013482.D

Acq: 20 Nov 2019 17:08

Tgt Ion: 91 Resp: 7426603

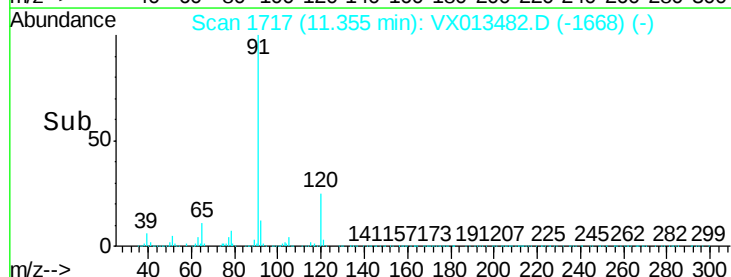
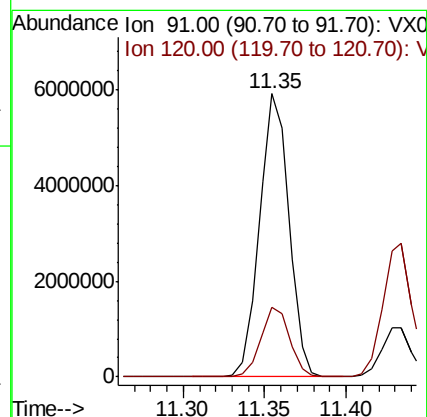
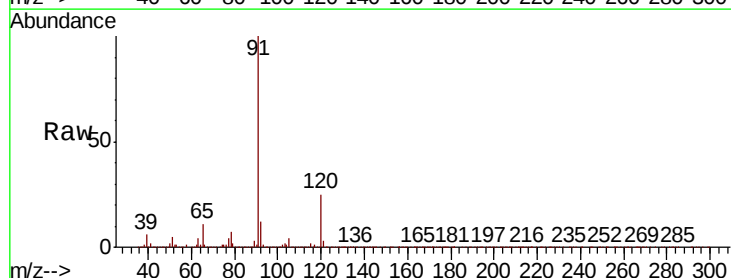
Ion Ratio Lower Upper

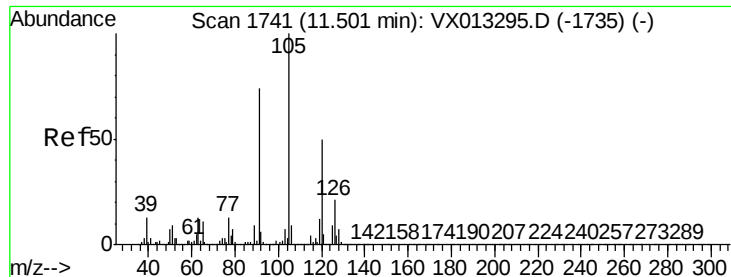
91 100

120 24.2

11.6

34.8





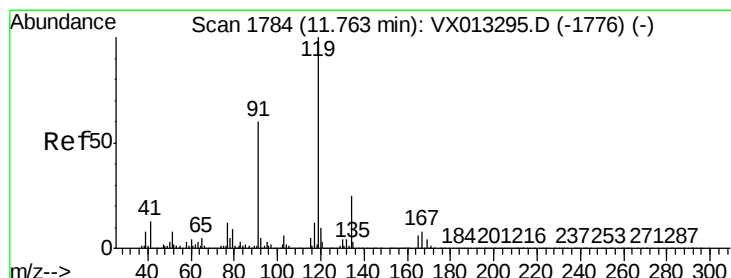
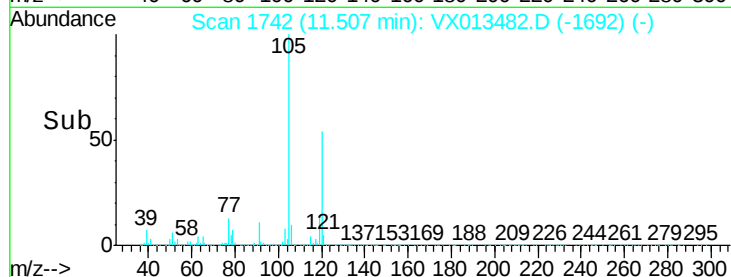
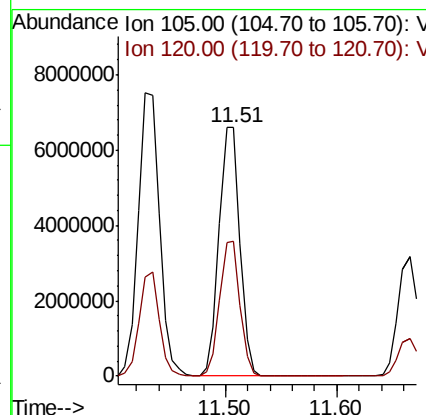
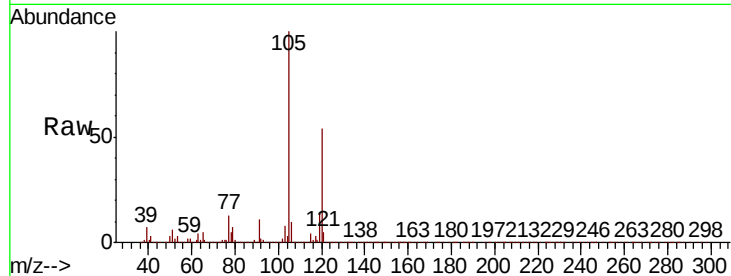
#80
 1,3,5-Trimethylbenzene
 Concen: 304.612 ug/l
 RT: 11.51 min Scan# 1742
 Delta R.T. 0.01 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Instrument :
 MSVOA_X
 ClientSampled :
 MW-5

Tot Ion:105 Resp: 8592273
 Ion Ratio Lower Upper
 105 100
 120 52.6 24.9 74.8

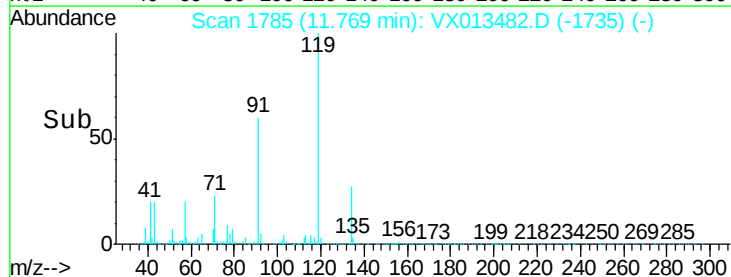
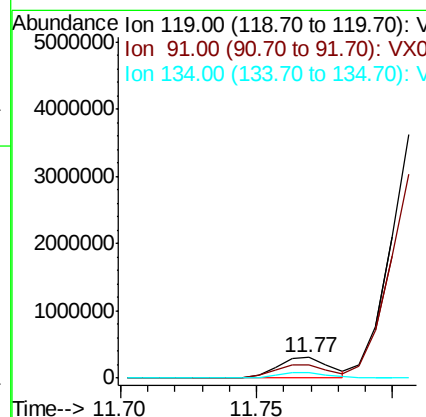
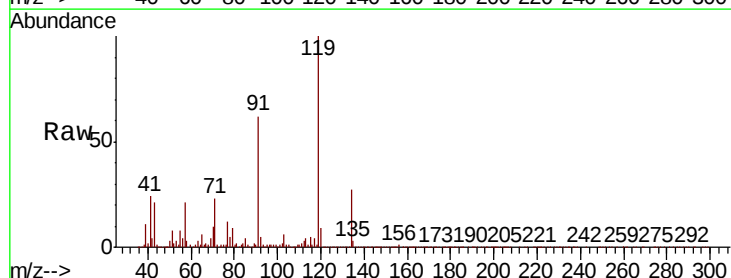
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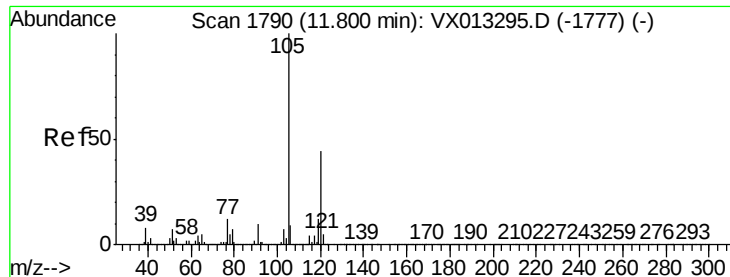
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#83
 tert-Butylbenzene
 Concen: 14.274 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Tgt Ion:119 Resp: 405293
 Ion Ratio Lower Upper
 119 100
 91 64.5 26.9 80.7
 134 26.0 11.7 35.1





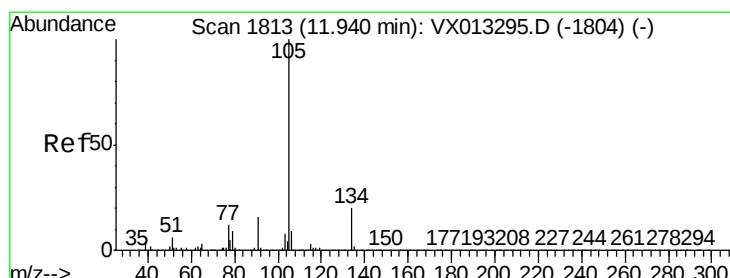
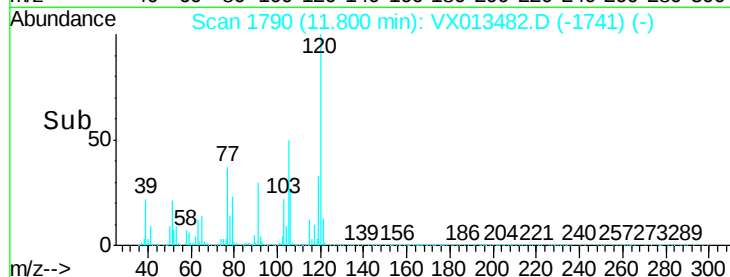
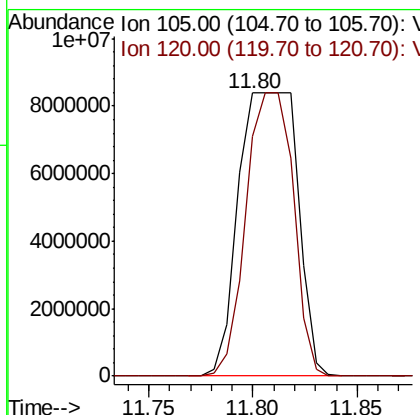
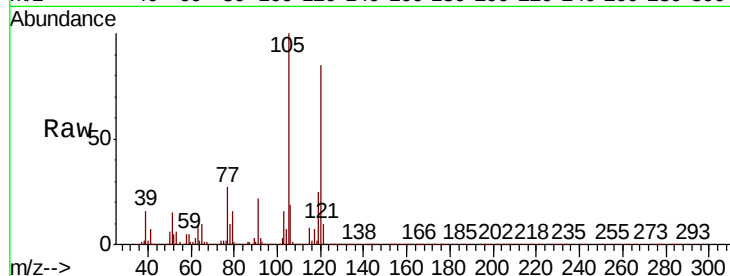
#84
 1,2,4-Trimethylbenzene
 Concen: 582.454 ug/l m
 RT: 11.80 min Scan# 1790
 Delta R.T. -0.00 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-5

Tot Ion:105 Resp:16481094
 Ion Ratio Lower Upper
 105 100
 120 7.5 22.7 68.1#

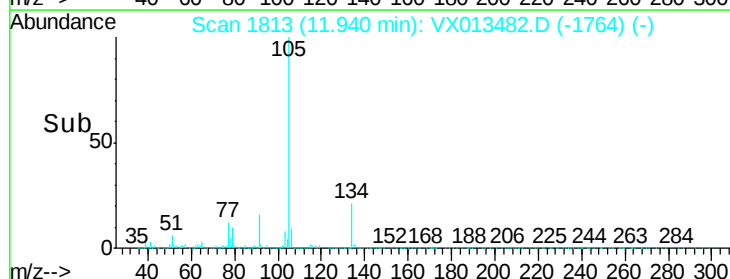
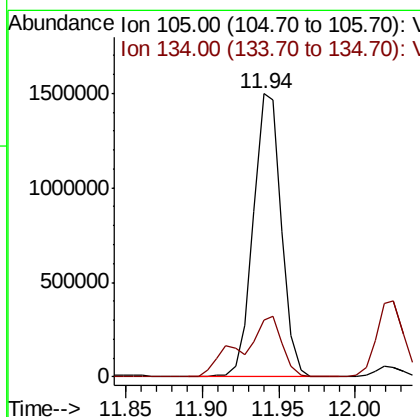
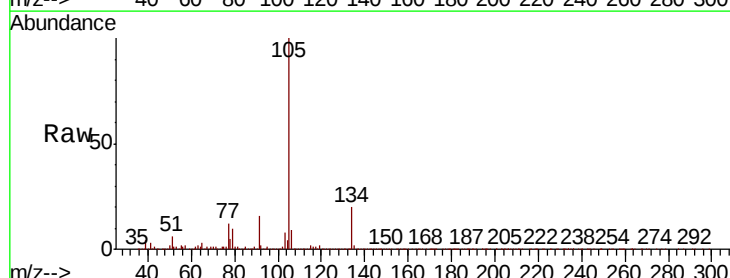
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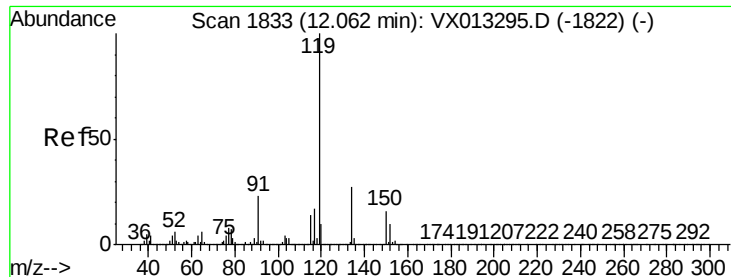
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#85
 sec-Butylbenzene
 Concen: 58.314 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX013482.D
 Acq: 20 Nov 2019 17:08

Tgt Ion:105 Resp: 1903016
 Ion Ratio Lower Upper
 105 100
 134 31.4 10.3 30.9#





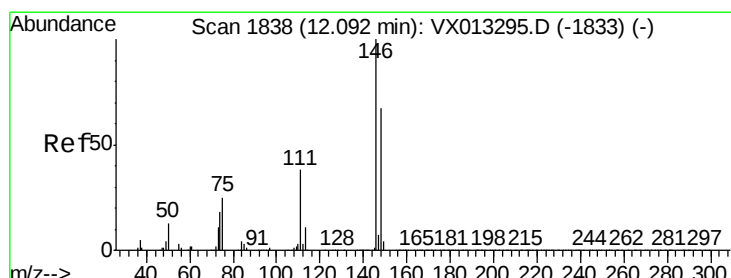
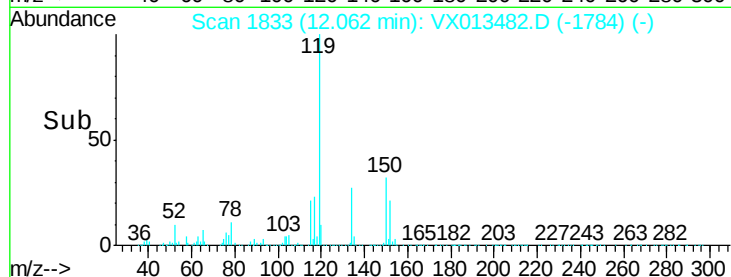
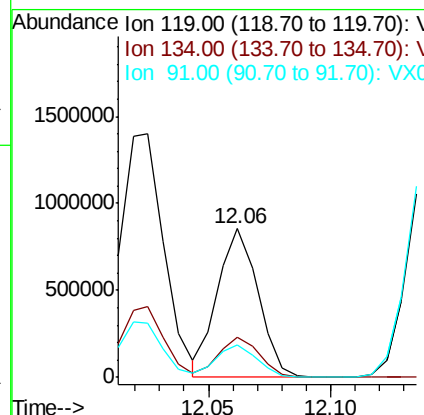
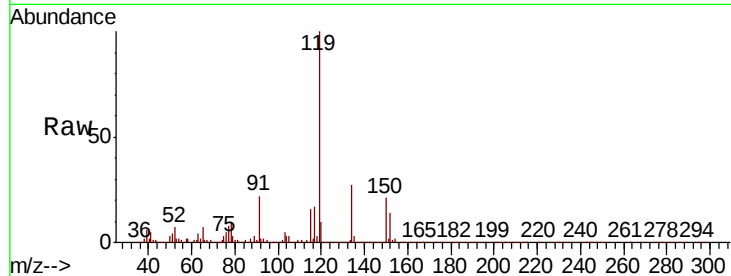
#86
p-Isopropyltoluene
Concen: 32.735 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampled :
MW-5

Tot Ion	Ratio	Resp	Lower	Upper
119	100	983685		
134	27.0		13.3	39.8
91	22.2		11.5	34.4

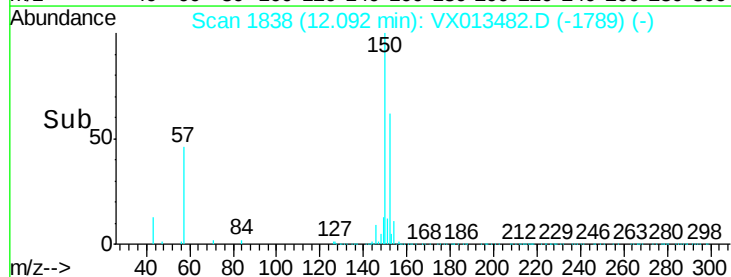
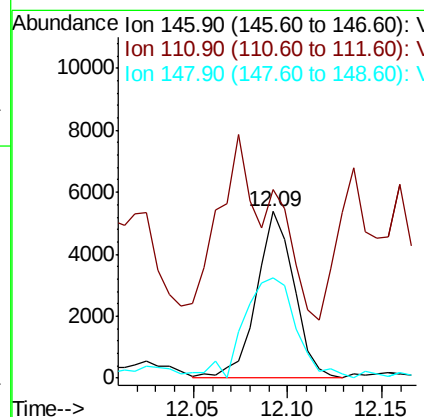
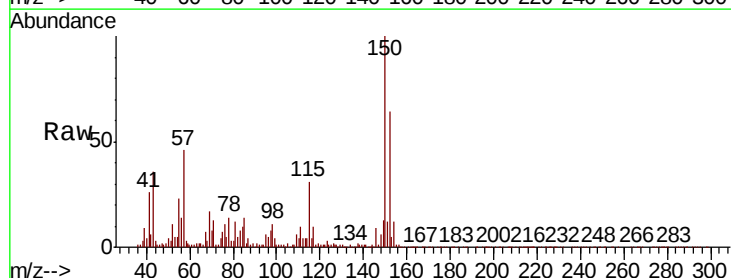
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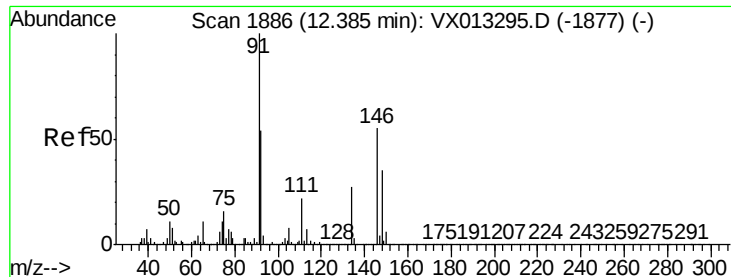
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#88
1,4-Dichlorobenzene
Concen: 0.453 ug/l
RT: 12.09 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	7422		
111	95.2		18.8	56.4#
148	84.8		32.4	97.0





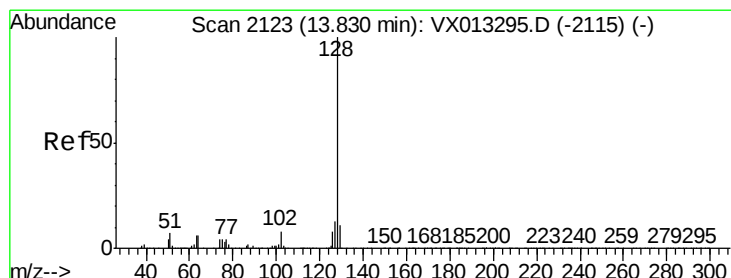
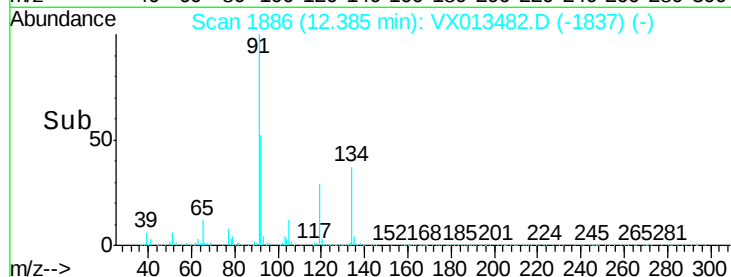
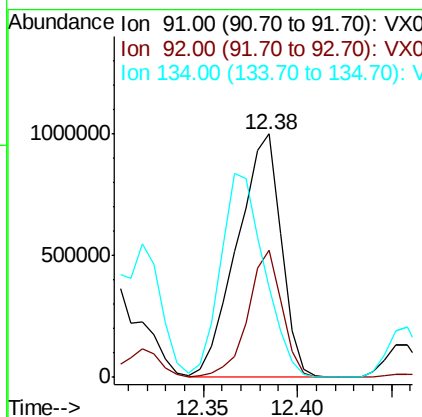
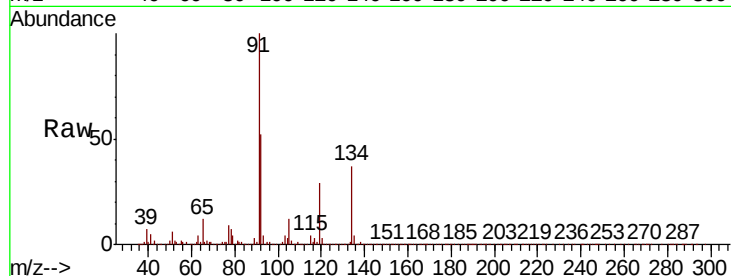
#89
n-Butylbenzene
Concen: 61.654 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Instrument :
MSVOA_X
ClientSampleId :
MW-5

Tot Ion	Ratio	Lower	Upper
91	100		
92	40.4	27.3	81.8
134	83.2	13.5	40.5#

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#95
Naphthalene
Concen: 56.672 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013482.D
Acq: 20 Nov 2019 17:08

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.2
129	11.1	8.5	12.7

