

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX112019\
 Data File : VX013480.D
 Acq On : 20 Nov 2019 16:22
 Operator : JC/SP
 Sample : K5958-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
 APPROVED

MMDadoda
 11/21/2019 9:54:14 AM

Quant Time: Nov 21 12:17:20 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	726693	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1173541	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	1071541	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	508419	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.05	65	423047	49.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.28%	
35) Dibromofluoromethane	5.48	113	355693	48.32	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.64%	
50) Toluene-d8	8.71	98	1421854	51.24	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.48%	
62) 4-Bromofluorobenzene	11.14	95	508400	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	

Target Compounds

						Qvalue
11) Tert butyl alcohol	3.03	59	44798	19.742	ug/l	98
16) Acetone	2.43	43	34754	8.093	ug/l	100
30) Chloroform	5.20	83	27625	2.139	ug/l	95
31) Cyclohexane	5.57	56	20912	1.777	ug/l #	92
39) Methylcyclohexane	7.46	83	108397	8.641	ug/l	97
40) Benzene	6.14	78	28161	0.898	ug/l	94
64) Tetrachloroethene	9.33	164	10131	1.321	ug/l	90
67) Ethyl Benzene	10.25	91	5371394	143.462	ug/l	98
68) m/p-Xylenes	10.36	106	1792600	126.596	ug/l	99
69) o-Xylene	10.70	106	1325879	95.641	ug/l	99
73) Isopropylbenzene	11.01	105	6362677	188.754	ug/l	98
78) n-propylbenzene	11.35	91	11746718	312.830	ug/l	92
80) 1,3,5-Trimethylbenzene	11.50	105	4022637	143.268	ug/l	98
83) tert-Butylbenzene	11.77	119	576394	20.393	ug/l	86
84) 1,2,4-Trimethylbenzene	11.80	105	18241559m	647.643	ug/l	
85) sec-Butylbenzene	11.94	105	2835868	87.300	ug/l #	74
86) p-Isopropyltoluene	12.06	119	1244938	41.620	ug/l	99
89) n-Butylbenzene	12.39	91	1820915	69.766	ug/l #	68
95) Naphthalene	13.83	128	1887937	53.875	ug/l	98

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

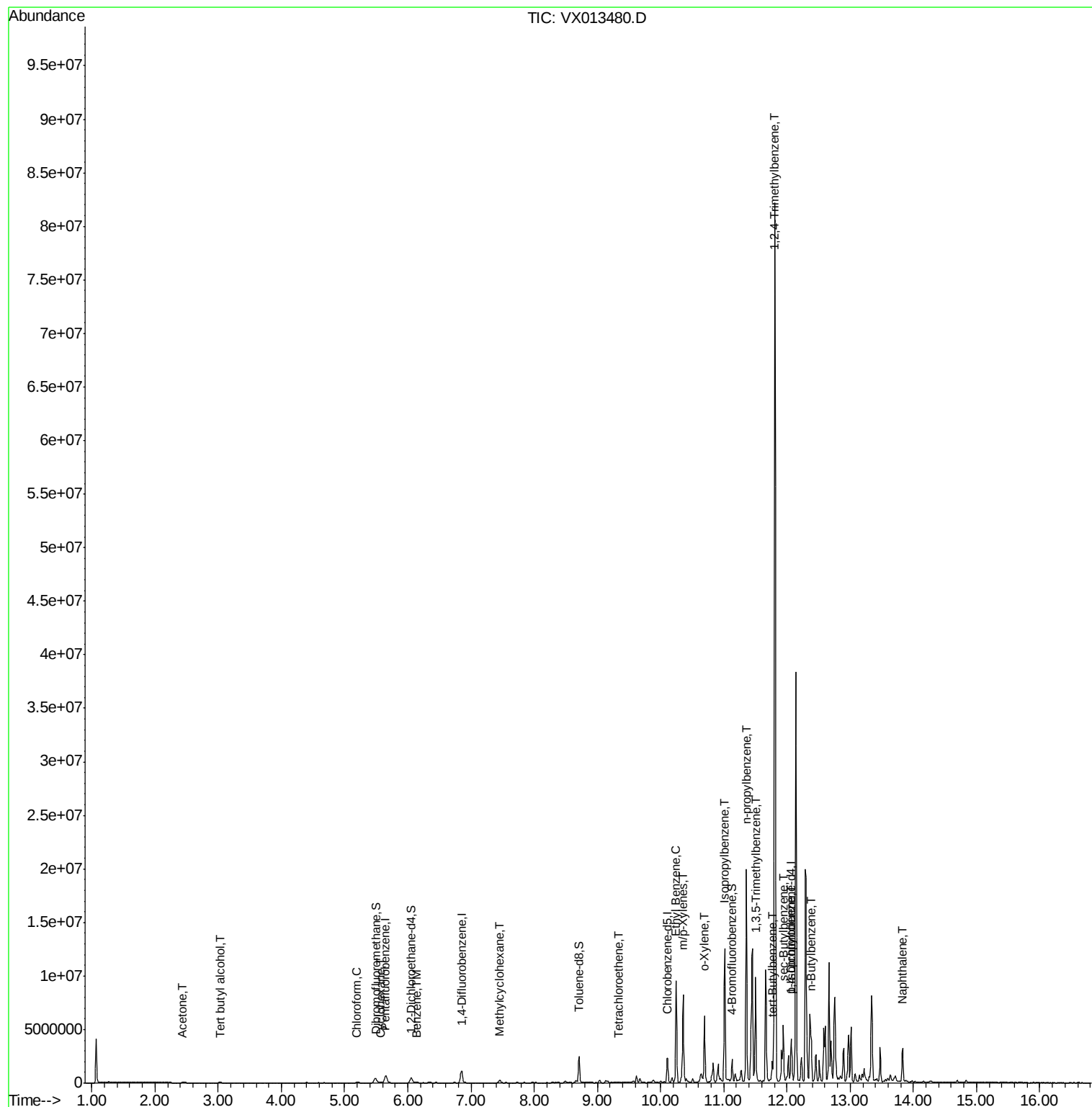
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112019\
Data File : VX013480.D
Acq On : 20 Nov 2019 16:22
Operator : JC/SP
Sample : K5958-03
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

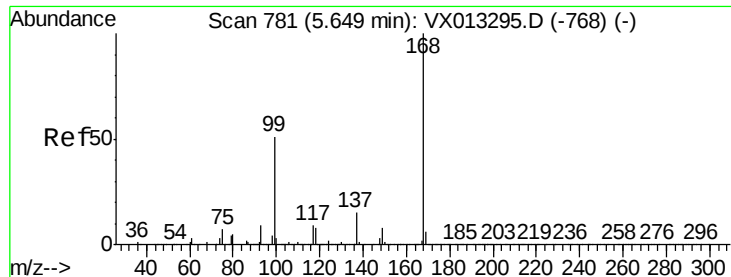
Instrument :
MSVOA_X
ClientSampleId :
MW-3

Manual Integrations
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11/21/2019 9:54:14 AM

Quant Time: Nov 21 12:17:20 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

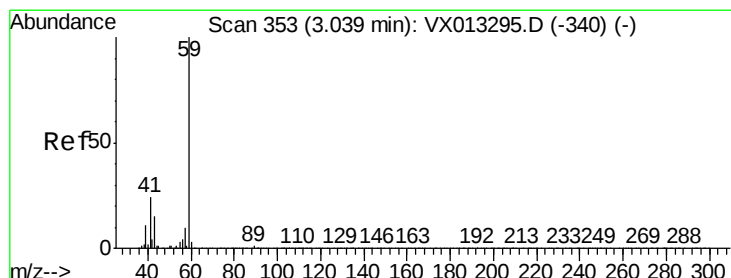
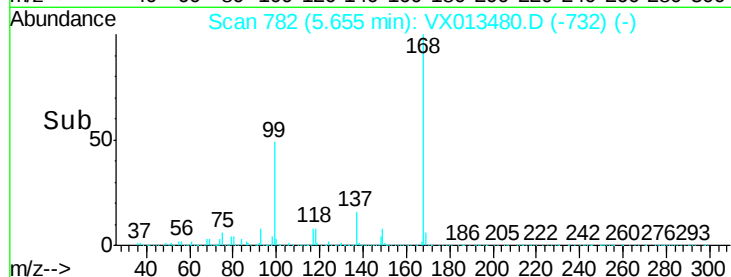
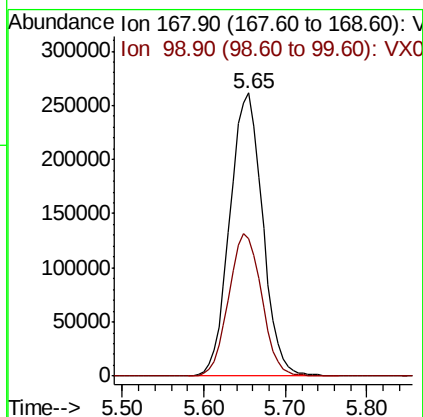
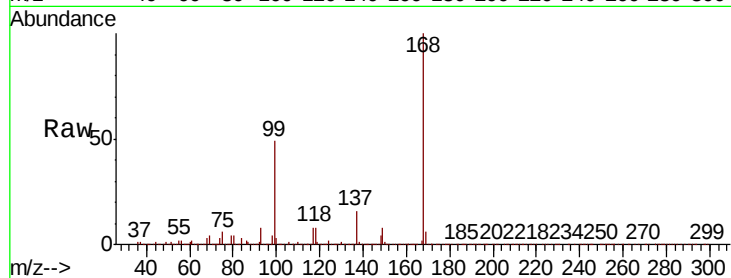
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Resp	Lower	Upper
168	100	726693		
99	48.5		40.8	61.2

Manual Integrations
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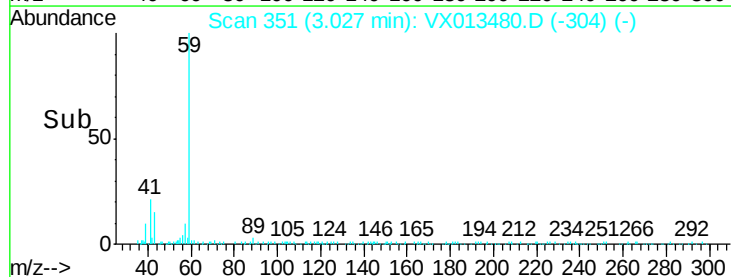
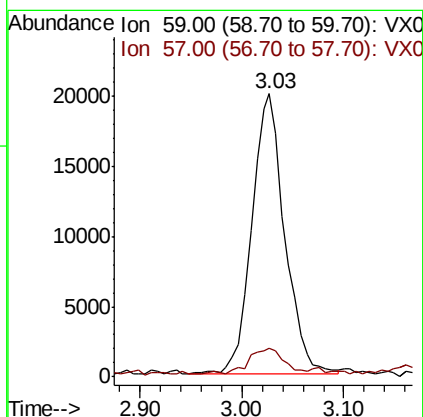
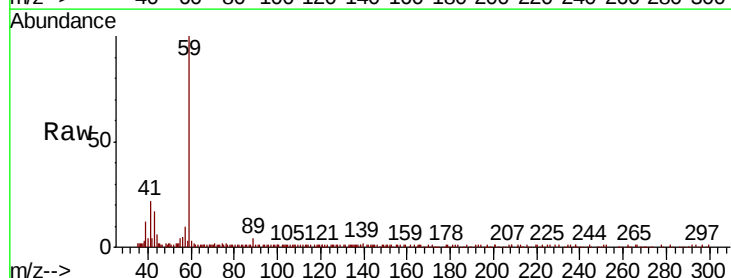
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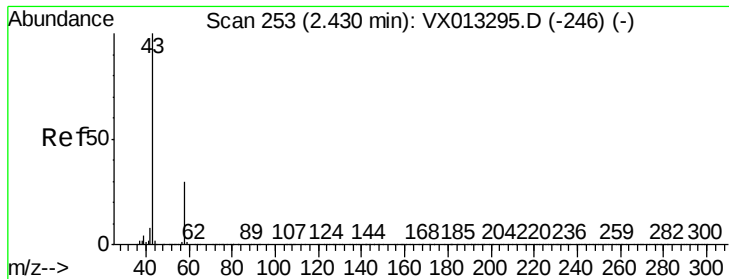


#11

Tert butyl alcohol
 Concen: 19.742 ug/l
 RT: 3.03 min Scan# 351
 Delta R.T. -0.01 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	44798		
57	9.3		8.0	12.0





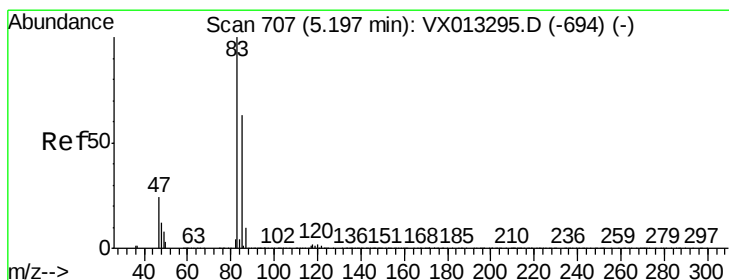
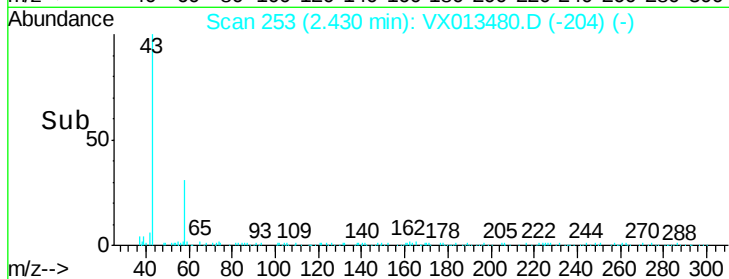
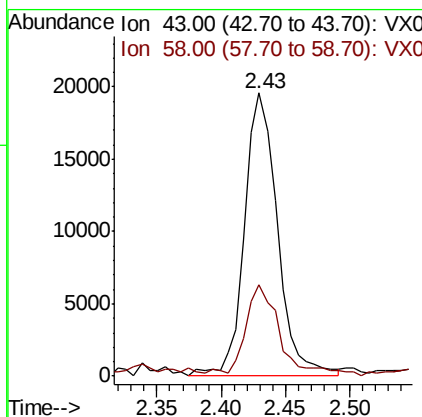
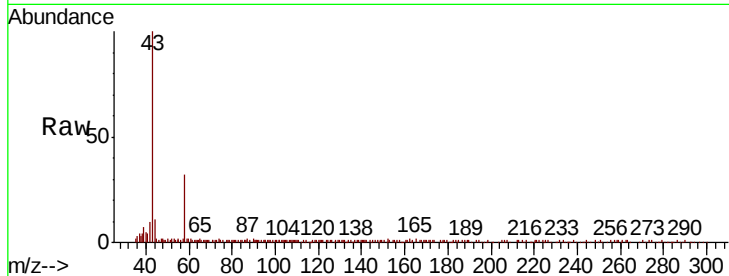
#16
Acetone
Concen: 8.093 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.3	36.5

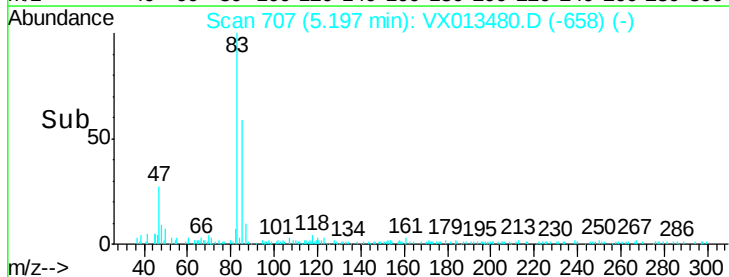
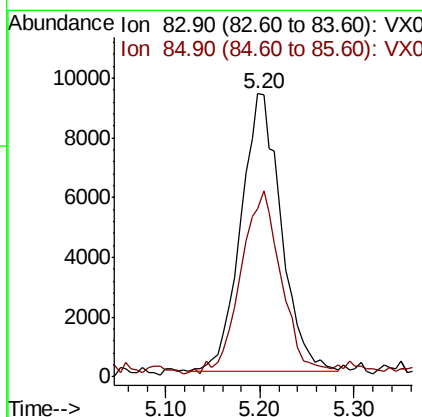
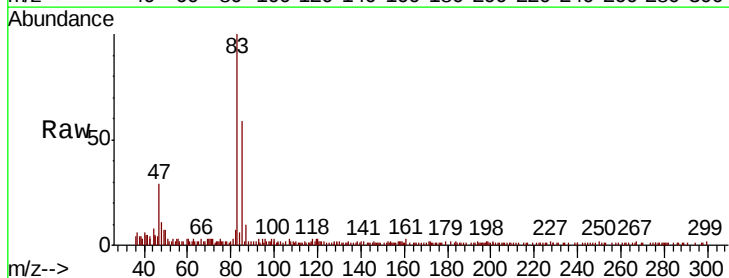
Manual Integrations
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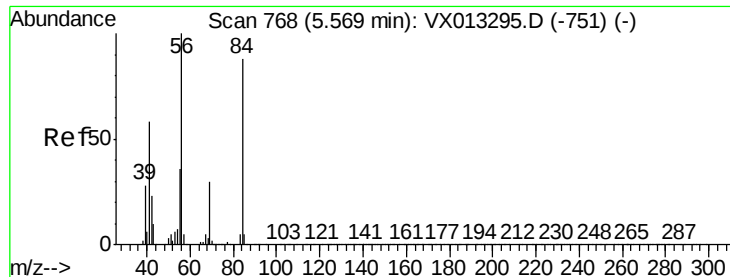
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#30
Chloroform
Concen: 2.139 ug/l
RT: 5.20 min Scan# 707
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
83	100		
85	59.1	50.2	75.4





#31

Cyclohexane

Concen: 1.777 ug/l

RT: 5.57 min Scan# 768

Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Instrument :

MSVOA_X

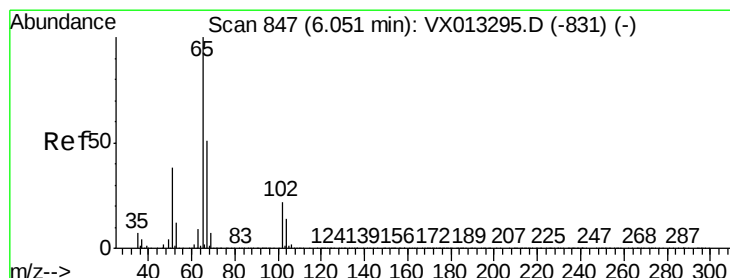
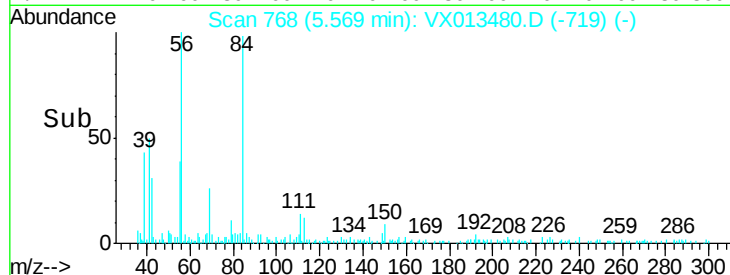
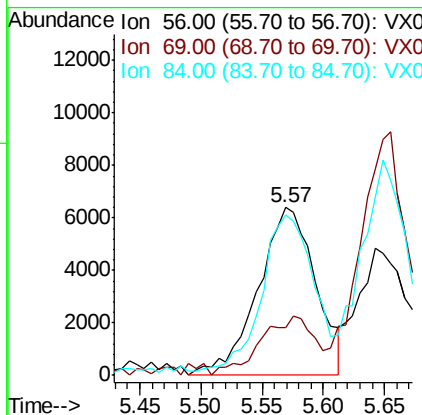
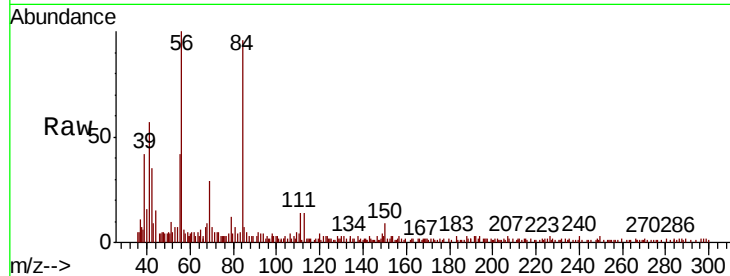
ClientSampled :

MW-3

Tot Ion:	56	Resp:	20912
Ion Ratio	Lower	Upper	
56	100		
69	21.4	23.7	35.5#
84	93.4	70.6	105.8

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#33

1,2-Dichloroethane-d4

Concen: 49.139 ug/l

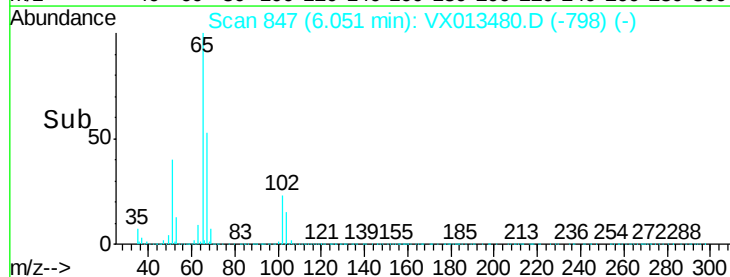
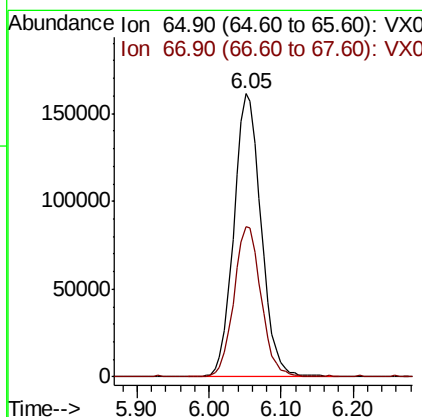
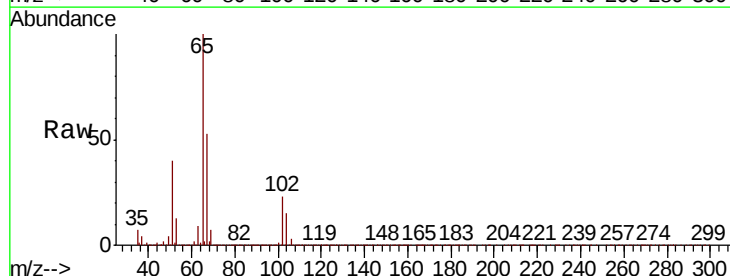
RT: 6.05 min Scan# 847

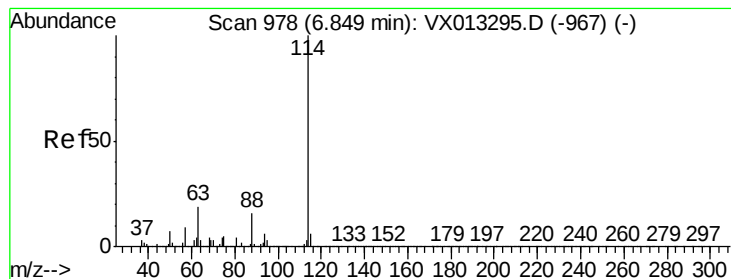
Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Tgt Ion:	65	Resp:	423047
Ion Ratio	Lower	Upper	
65	100		
67	52.9	0.0	104.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Instrument :

MSVOA_X

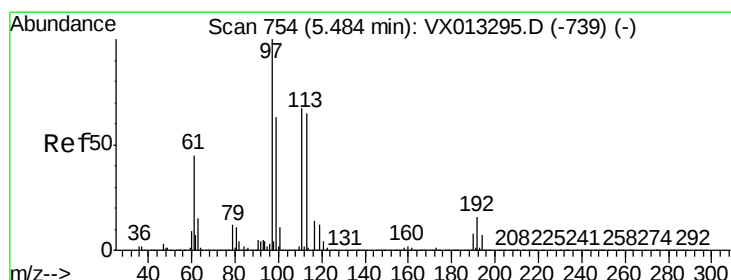
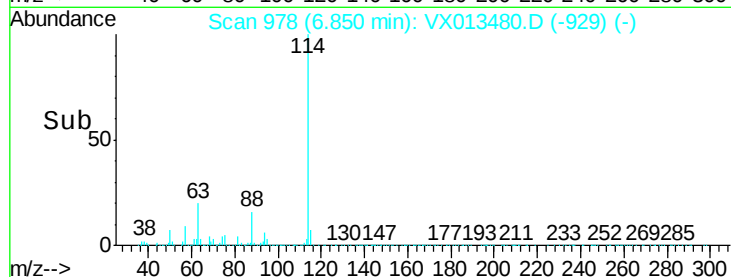
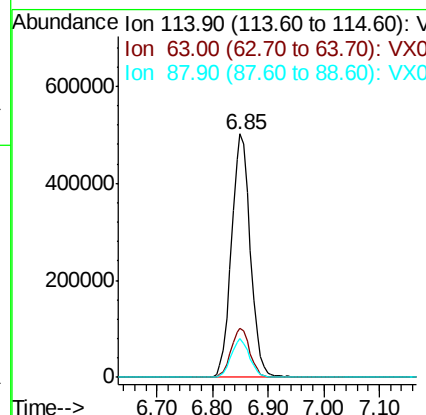
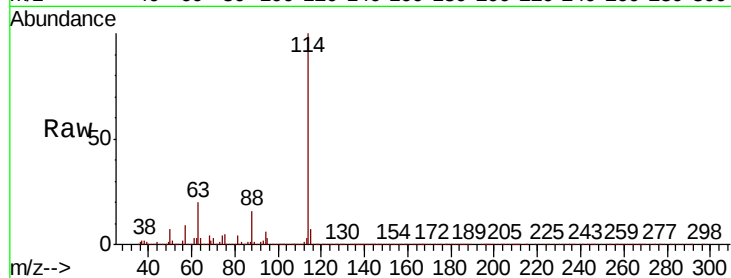
ClientSampleId :

MW-3

Tot Ion:	114	Resp:	1173541
Ion Ratio	Lower	Upper	
114	100		
63	20.0	0.0	38.4
88	15.7	0.0	32.2

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#35

Dibromofluoromethane

Concen: 48.324 ug/l

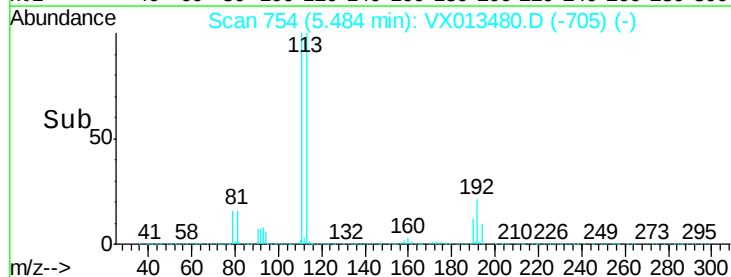
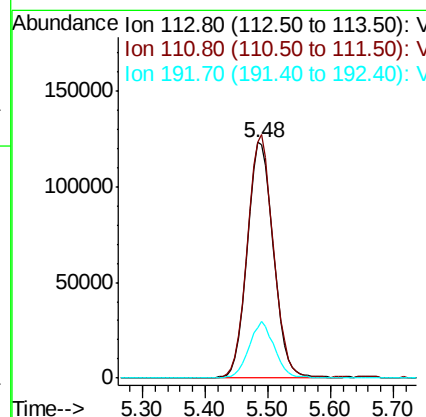
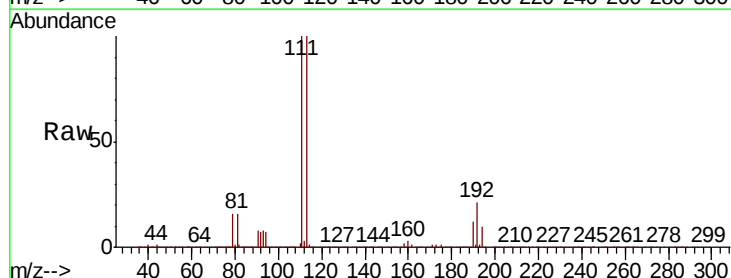
RT: 5.48 min Scan# 754

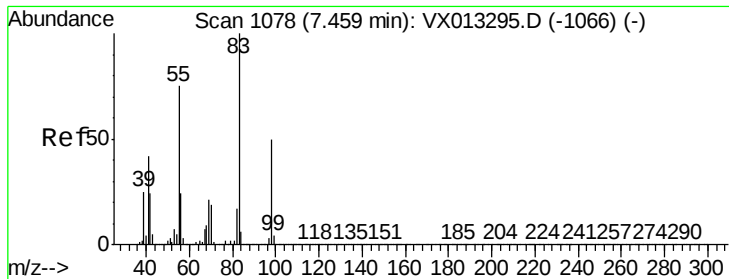
Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Tgt Ion:	113	Resp:	355693
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.9	122.9
192	23.5	19.1	28.7





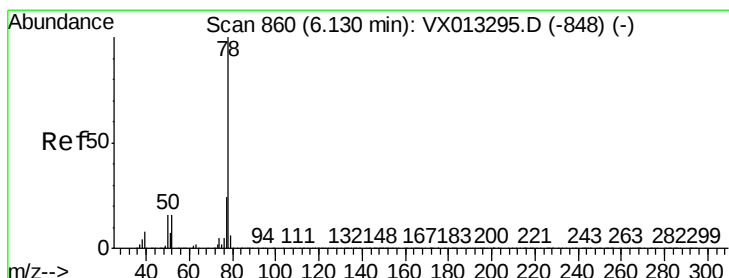
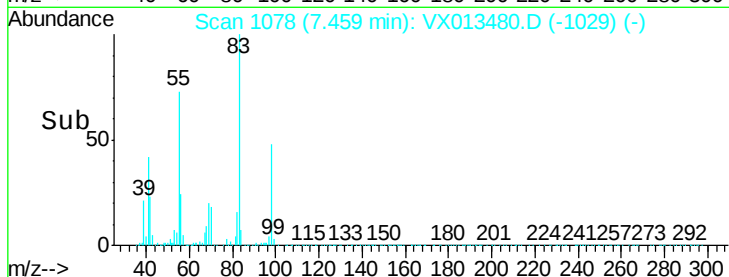
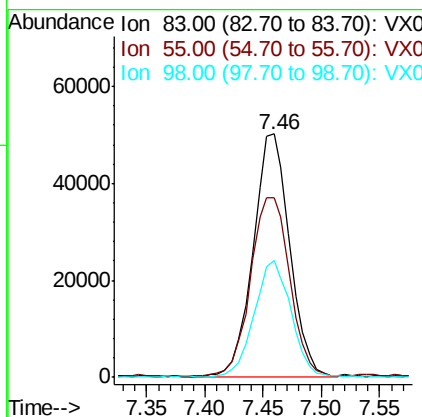
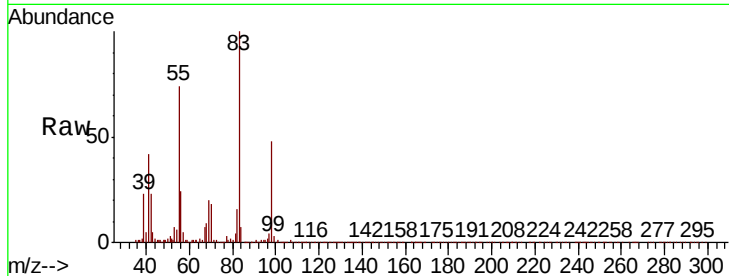
#39
Methvlcvclohexane
Concen: 8.641 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
83	100		
55	73.2	60.3	90.5
98	47.7	40.3	60.5

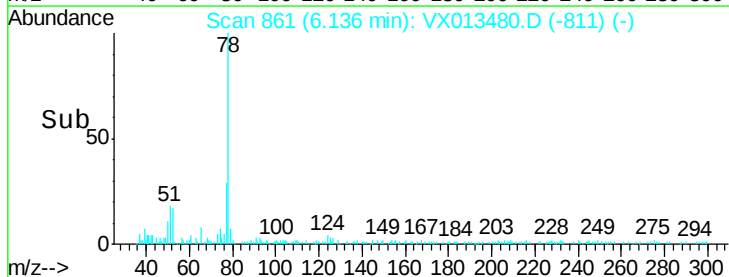
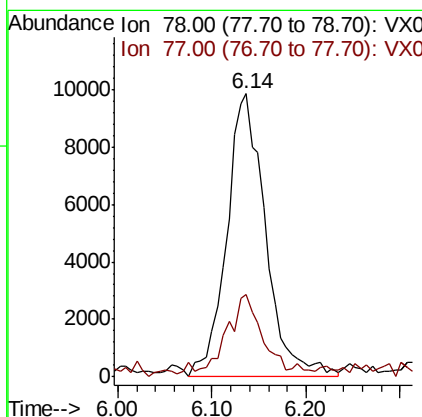
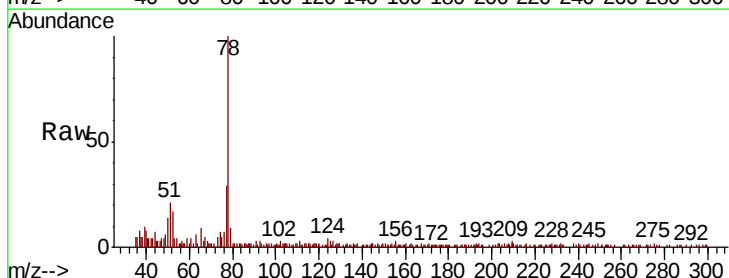
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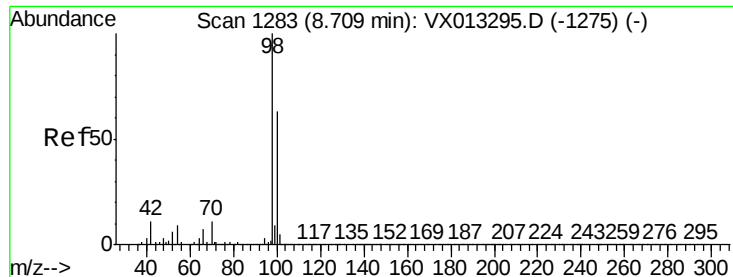
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#40
Benzene
Concen: 0.898 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	27.3	19.5	29.3





#50

Toluene-d8

Concen: 51.240 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 98 Resp: 1421854

Ion Ratio Lower Upper

98 100

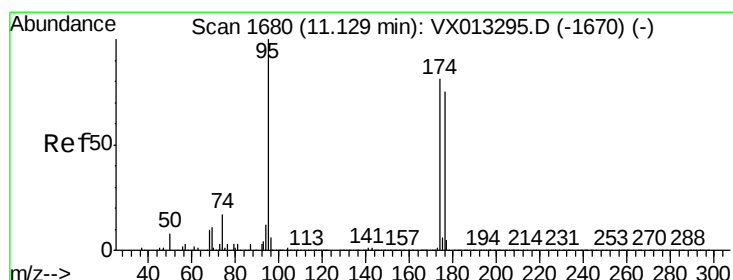
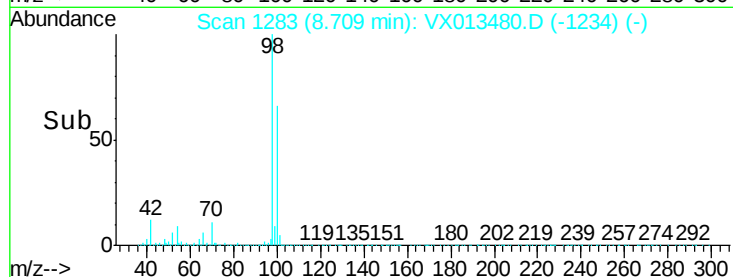
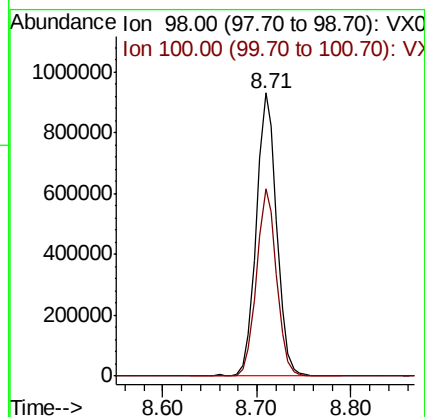
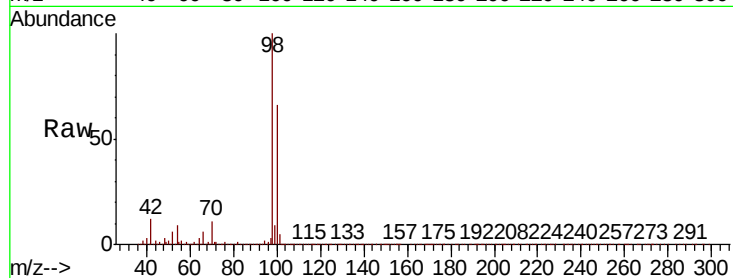
100 65.2 52.2 78.2

Manual Integrations

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11/21/2019 9:54:14 AM



#62

4-Bromofluorobenzene

Concen: 50.766 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. 0.01 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

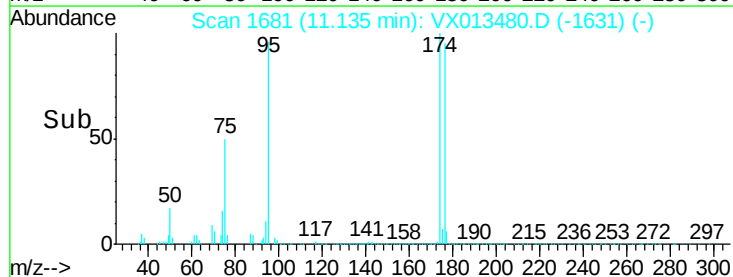
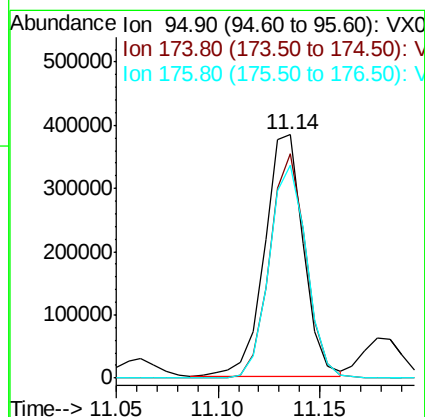
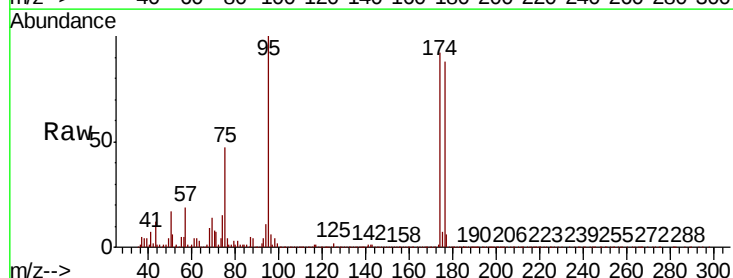
Tgt Ion: 95 Resp: 508400

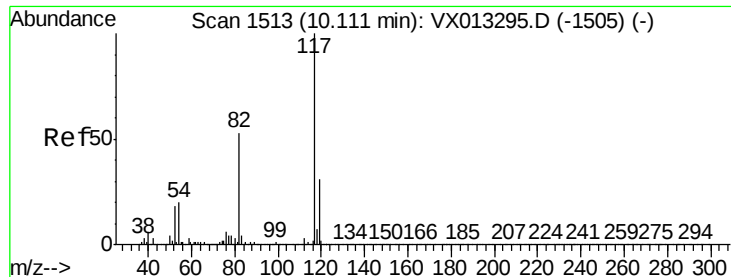
Ion Ratio Lower Upper

95 100

174 86.3 0.0 179.8

176 84.7 0.0 173.0





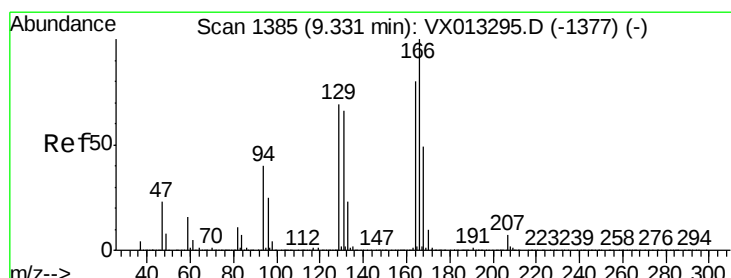
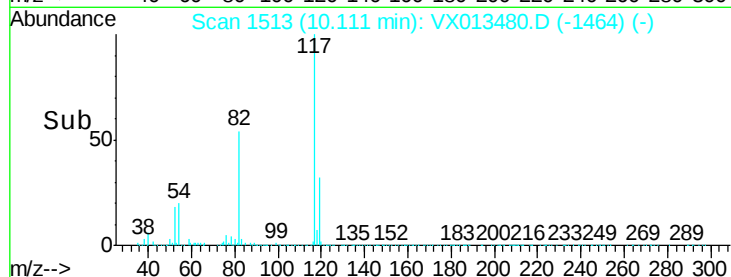
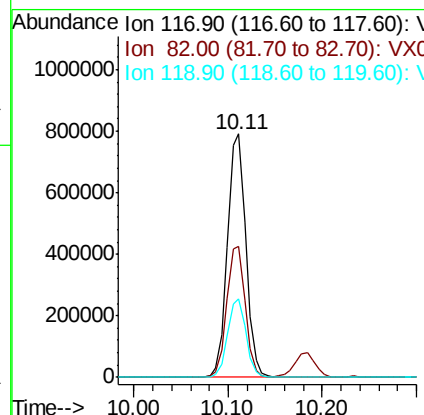
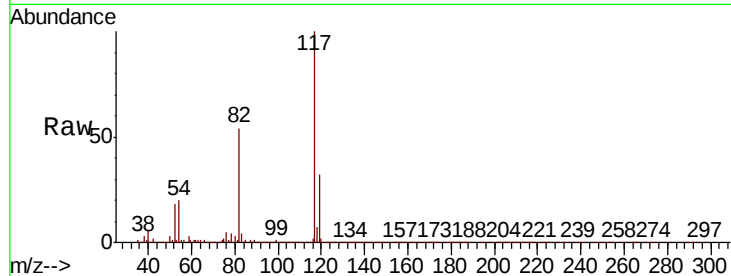
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Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.6	64.0
119	32.2	24.8	37.2

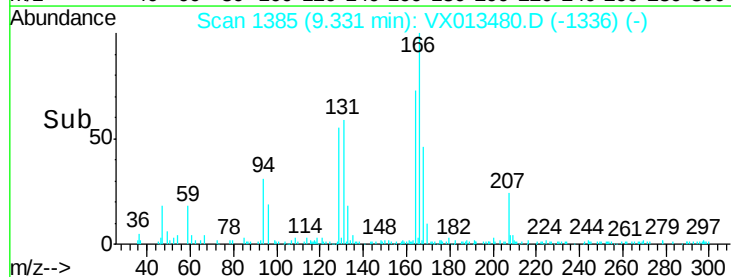
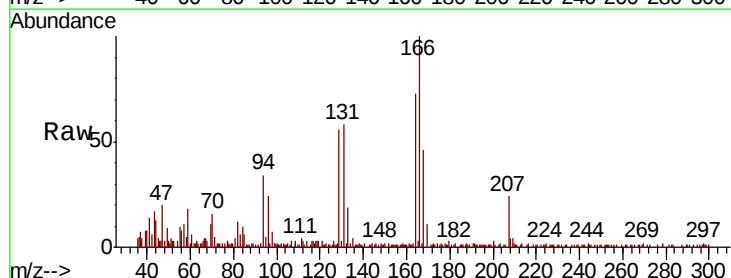
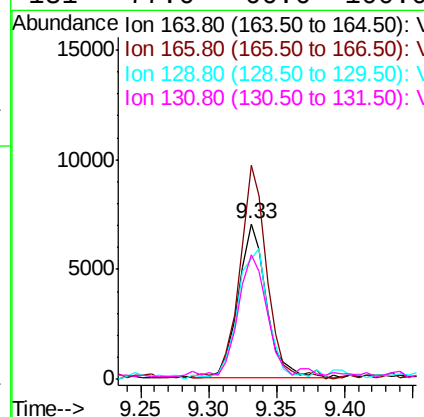
Manual Integrations
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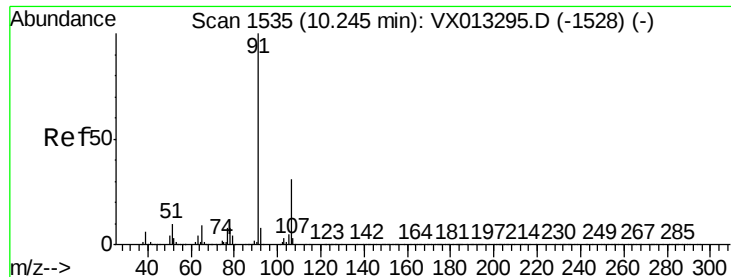
MMDadoda
11/21/2019 9:54:14 AM



#64
Tetrachloroethene
Concen: 1.321 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	137.3	100.4	150.6
129	75.7	69.4	104.2
131	77.6	66.6	100.0





#67

Ethyl Benzene

Concen: 143.462 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 91 Resp: 5371394

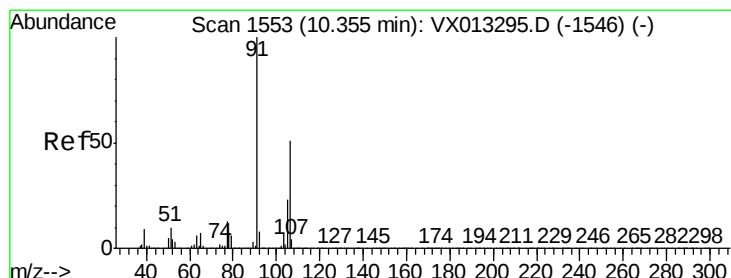
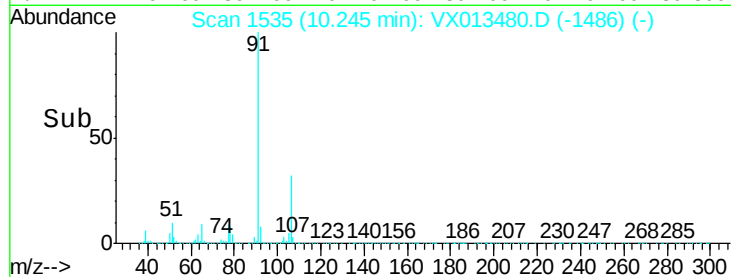
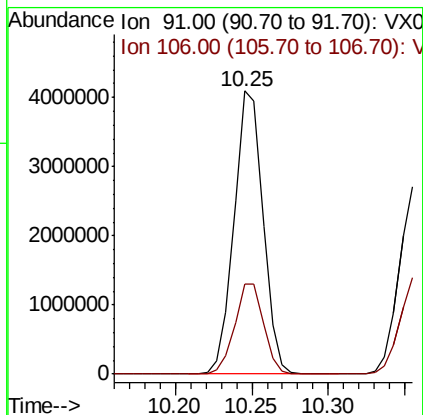
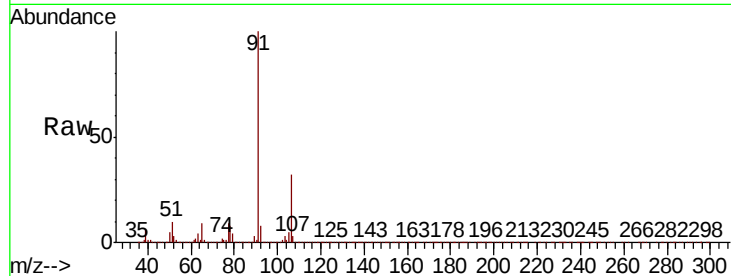
Ion Ratio Lower Upper

91 100

106 31.7 24.6 36.8

Manual Integrations
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#68

m/p-Xylenes

Concen: 126.596 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX013480.D

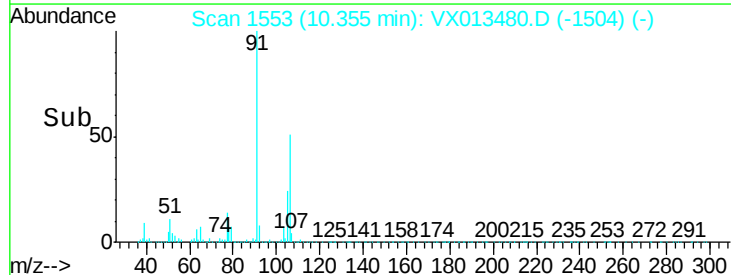
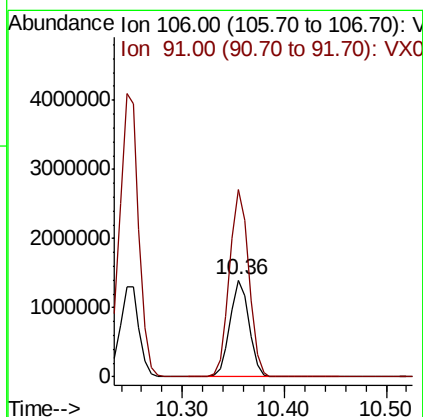
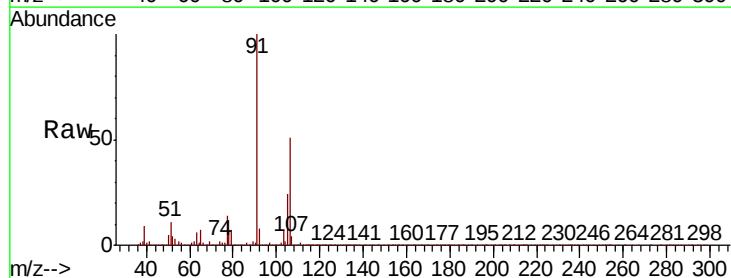
Acq: 20 Nov 2019 16:22

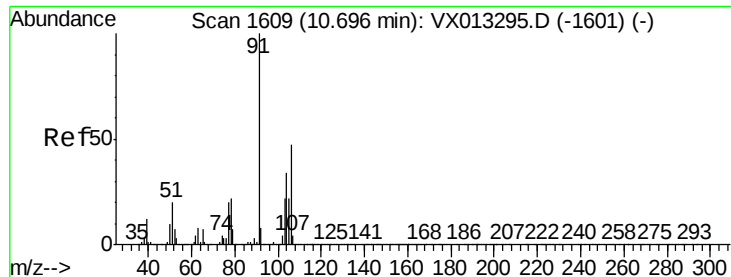
Tgt Ion: 106 Resp: 1792600

Ion Ratio Lower Upper

106 100

91 197.0 159.3 238.9





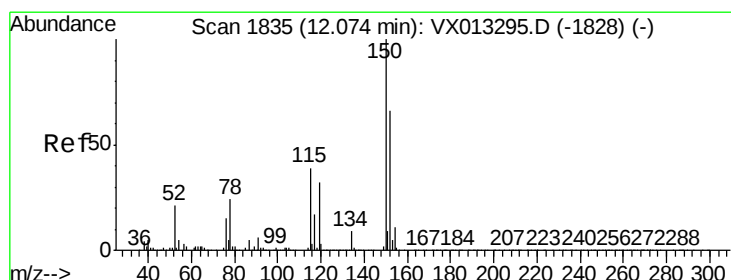
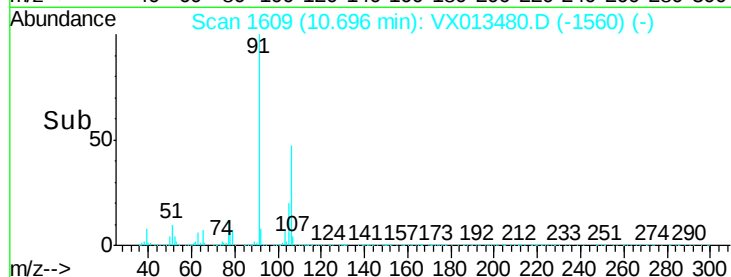
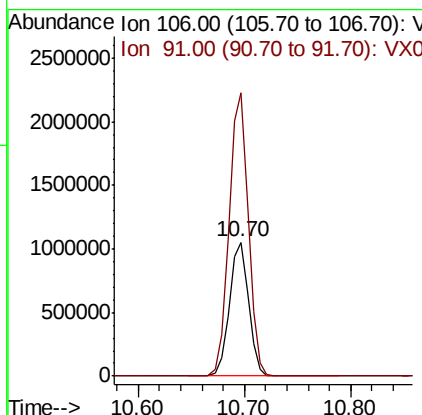
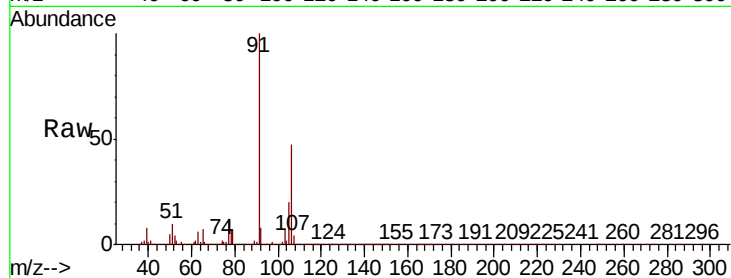
#69
o-Xylene
Concen: 95.641 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion:106 Resp: 1325879
Ion Ratio Lower Upper
106 100
91 213.2 105.7 317.0

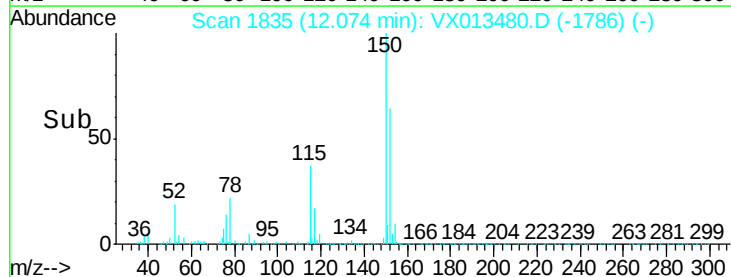
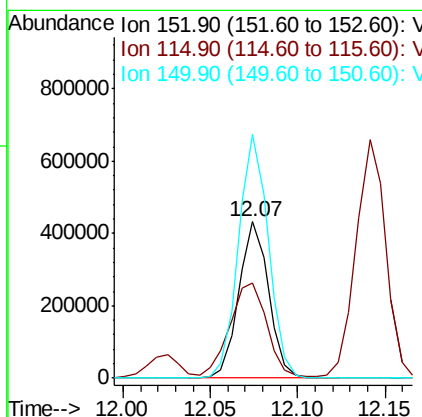
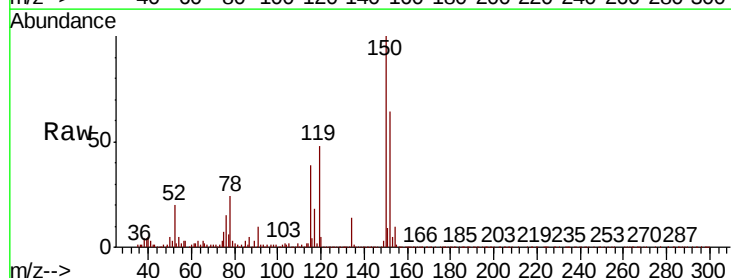
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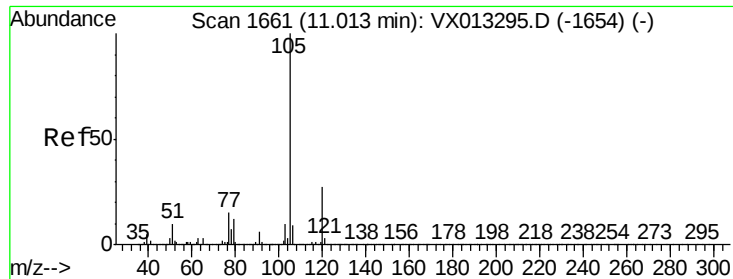
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Tgt Ion:152 Resp: 508419
Ion Ratio Lower Upper
152 100
115 74.1 39.5 118.3
150 157.8 0.0 344.4





#73

Isopropylbenzene

Concen: 188.754 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX013480.D

Acq: 20 Nov 2019 16:22

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:105 Resp: 6362677

Ion Ratio Lower Upper

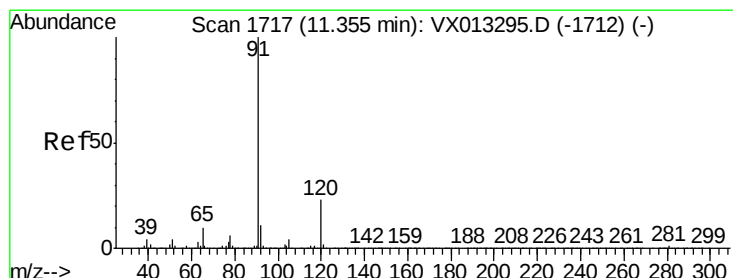
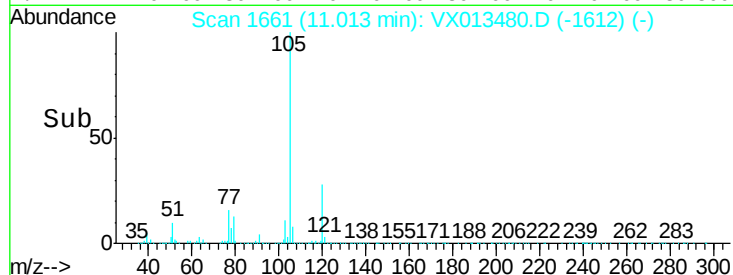
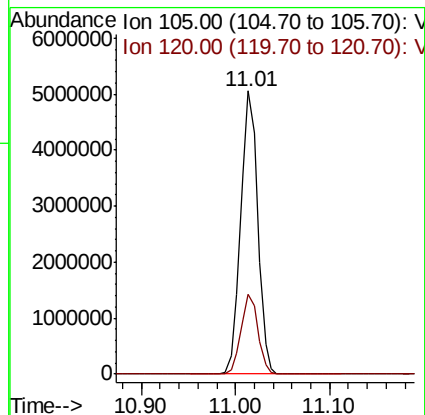
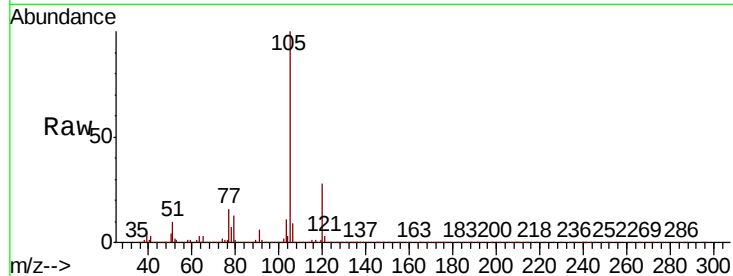
105 100

120 27.9 13.5 40.5

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#78

n-propylbenzene

Concen: 312.830 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX013480.D

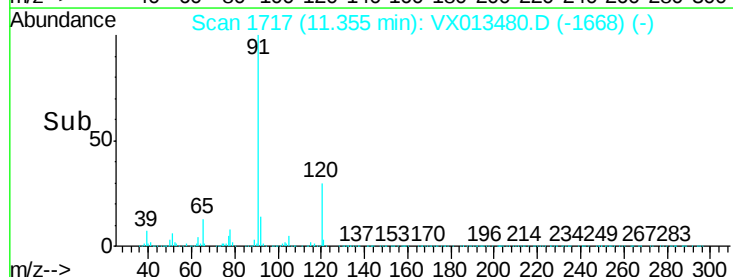
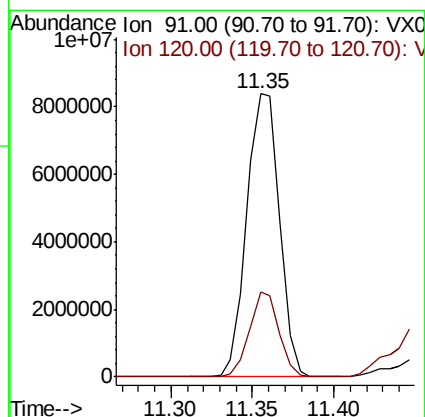
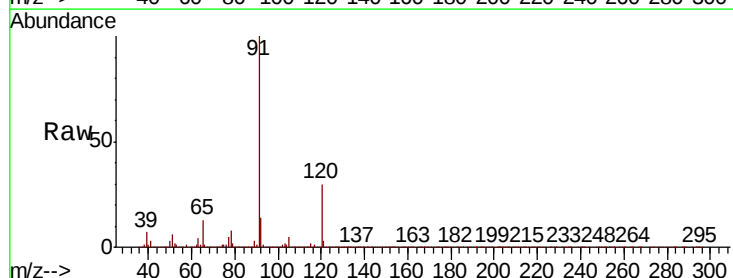
Acq: 20 Nov 2019 16:22

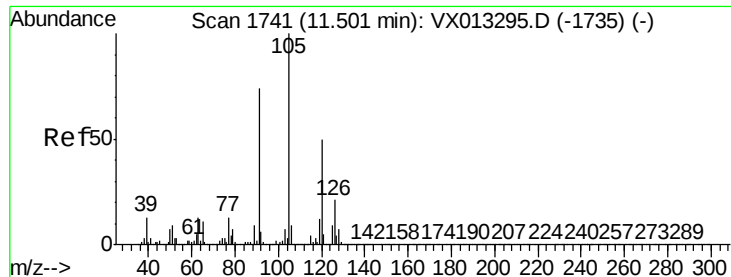
Tgt Ion: 91 Resp:11746718

Ion Ratio Lower Upper

91 100

120 27.0 11.6 34.8





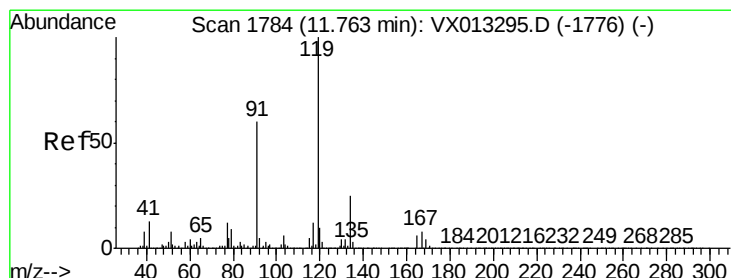
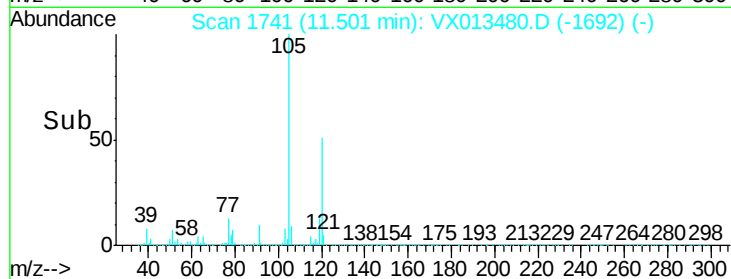
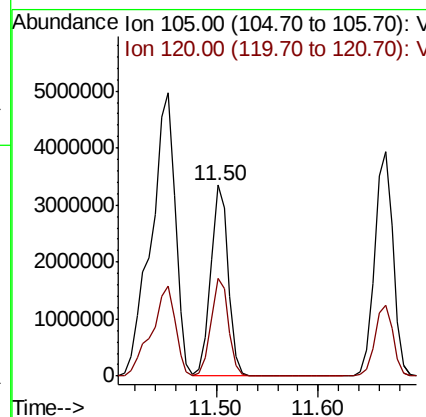
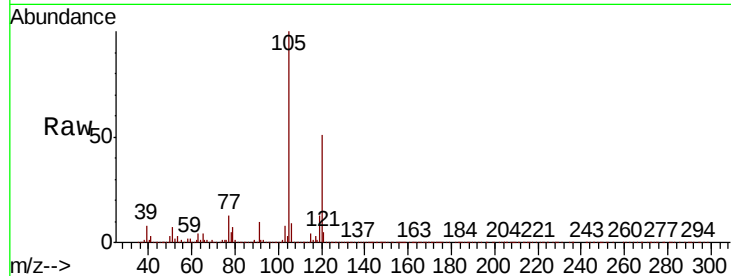
#80
 1,3,5-Trimethylbenzene
 Concen: 143.268 ug/l
 RT: 11.50 min Scan# 1741
 Delta R.T. 0.00 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion:105 Resp: 4022637
 Ion Ratio Lower Upper
 105 100
 120 51.0 24.9 74.8

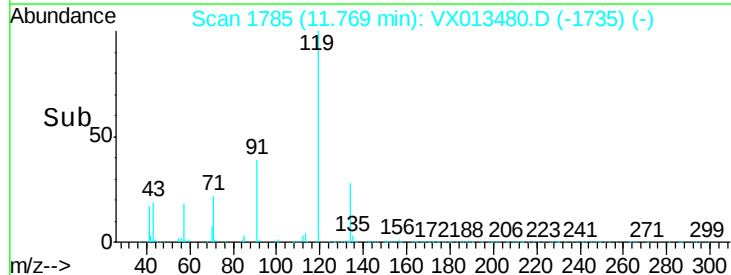
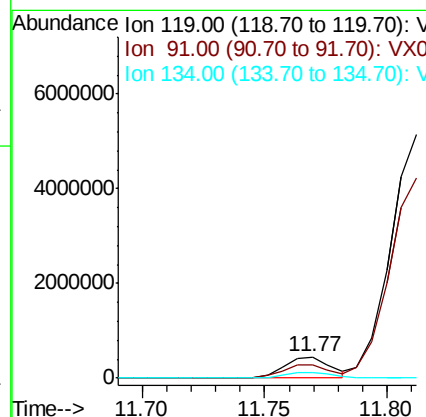
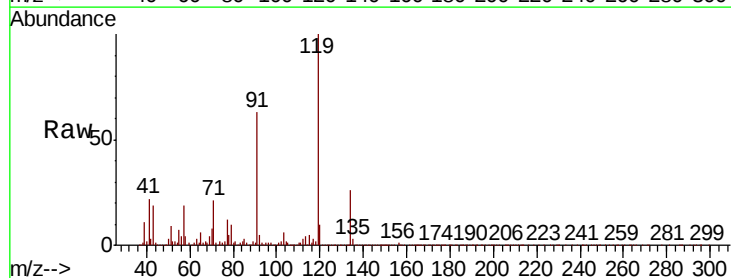
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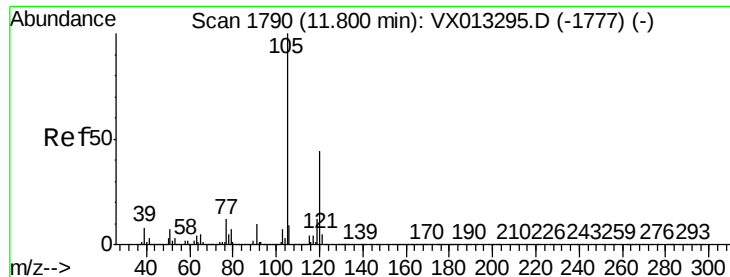
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#83
 tert-Butylbenzene
 Concen: 20.393 ug/l
 RT: 11.77 min Scan# 1785
 Delta R.T. 0.01 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Tgt Ion:119 Resp: 576394
 Ion Ratio Lower Upper
 119 100
 91 65.8 26.9 80.7
 134 26.4 11.7 35.1





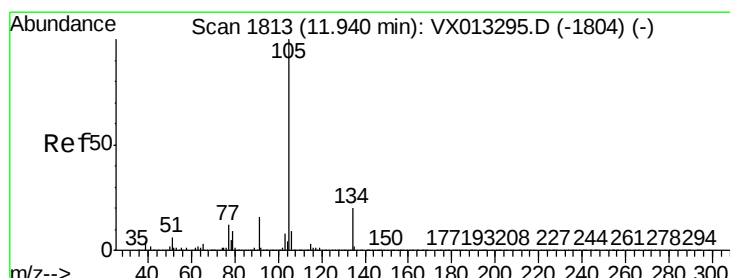
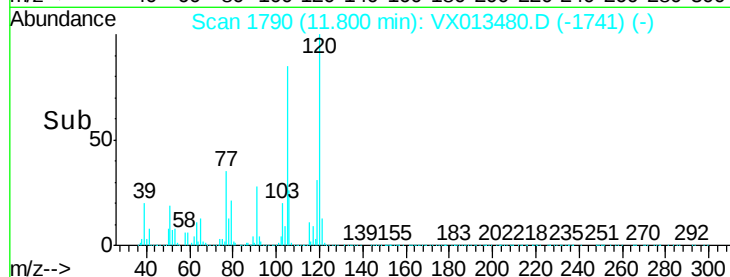
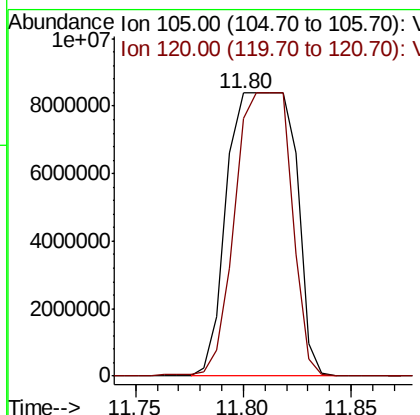
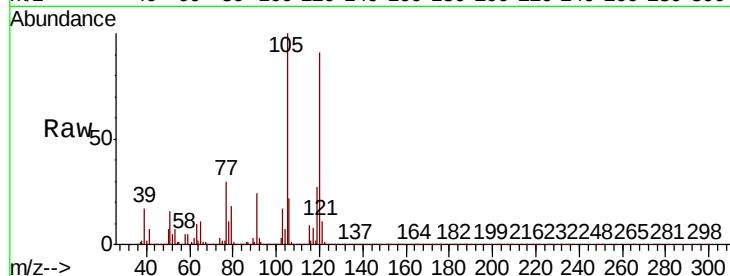
#84
 1,2,4-Trimethylbenzene
 Concen: 647.643 ug/l m
 RT: 11.80 min Scan# 1790
 Delta R.T. 0.00 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Tot Ion:105 Resp:18241559
 Ion Ratio Lower Upper
 105 100
 120 8.5 22.7 68.1#

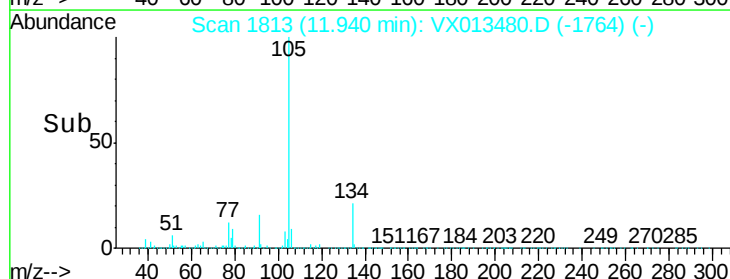
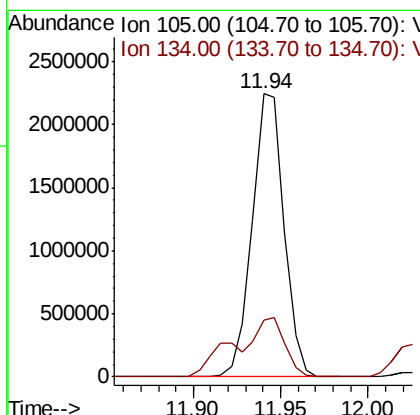
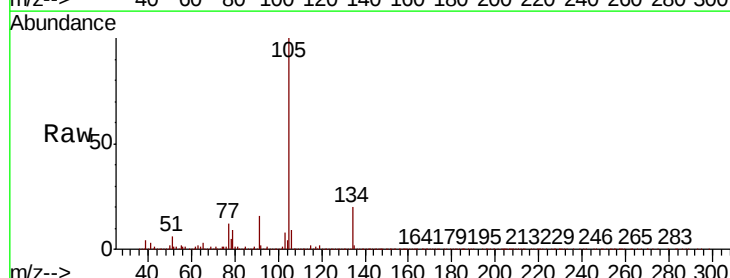
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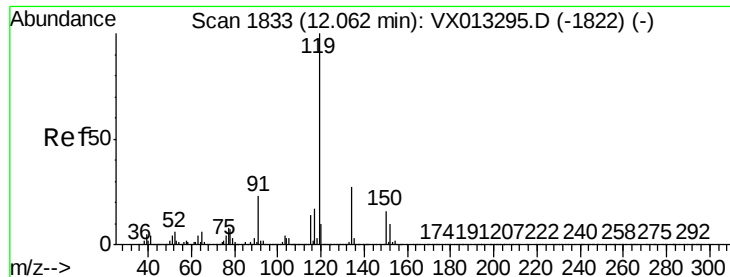
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#85
 sec-Butylbenzene
 Concen: 87.300 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. 0.00 min
 Lab File: VX013480.D
 Acq: 20 Nov 2019 16:22

Tgt Ion:105 Resp: 2835868
 Ion Ratio Lower Upper
 105 100
 134 32.5 10.3 30.9#





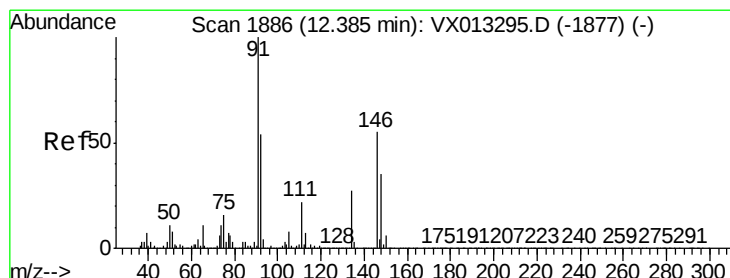
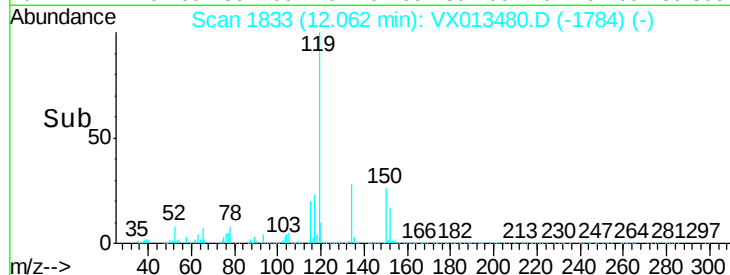
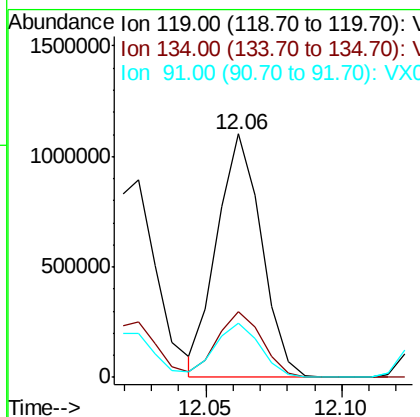
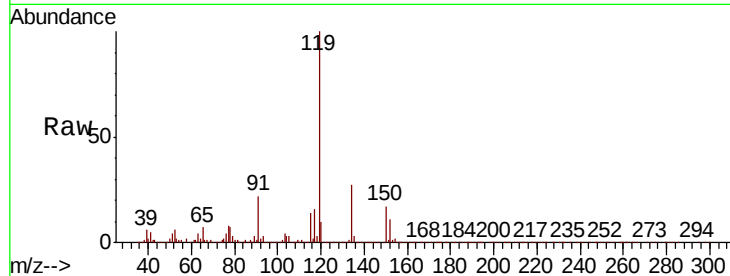
#86
p-Isopropyltoluene
Concen: 41.620 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.4	13.3	39.8
91	22.6	11.5	34.4

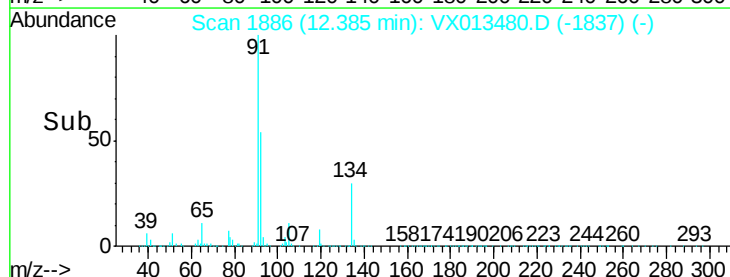
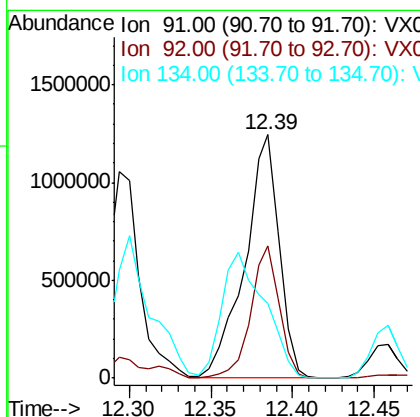
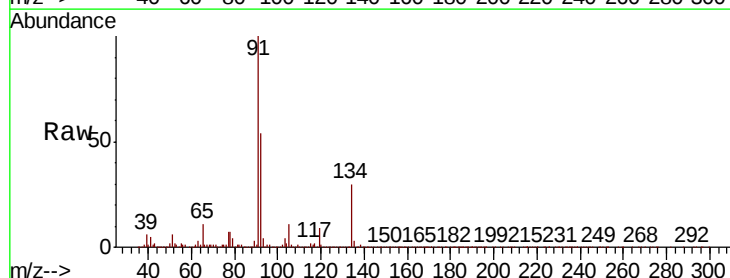
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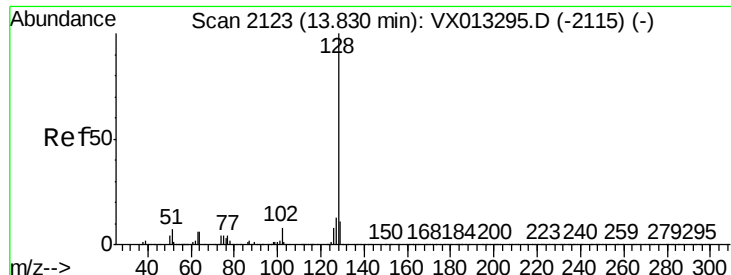
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#89
n-Butylbenzene
Concen: 69.766 ug/l
RT: 12.39 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.4	27.3	81.8
134	64.5	13.5	40.5





#95
Naphthalene
Concen: 53.875 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX013480.D
Acq: 20 Nov 2019 16:22

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.2	15.2
129	11.3	8.5	12.7

Manual Integrations
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