

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122019\
 Data File : VX014187.D
 Acq On : 20 Dec 2019 20:19
 Operator : JC/SP
 Sample : K6372-06
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-2

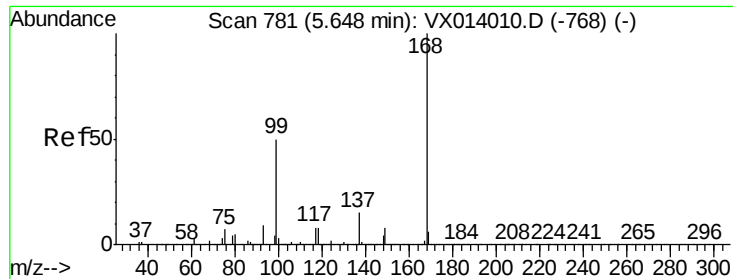
Manual Integrations
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 12/23/2019 10:25:47 AM

Quant Time: Dec 23 03:32:15 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	567024	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	862517	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	783745	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	378663	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	306267	47.66	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.32%	
35) Dibromofluoromethane	5.49	113	251991	48.06	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.12%	
50) Toluene-d8	8.71	98	1040829	50.99	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.98%	
62) 4-Bromofluorobenzene	11.13	95	374810	50.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.46%	
Target Compounds						
					Qvalue	
27) cis-1,2-Dichloroethene	4.59	96	10870	1.599	ug/l	82
31) Cyclohexane	5.58	56	277038	28.849	ug/l #	96
39) Methylcyclohexane	7.45	83	206843	21.167	ug/l #	85
40) Benzene	6.14	78	1840644	75.589	ug/l	99
44) Trichloroethene	7.22	130	11399	1.695	ug/l	100
52) Toluene	8.78	92	145545	9.456	ug/l	98
64) Tetrachloroethene	9.33	164	11096	1.600	ug/l #	86
67) Ethyl Benzene	10.25	91	3456990	120.663	ug/l	99
68) m/p-Xylenes	10.35	106	2633936	239.033	ug/l	98
69) o-Xylene	10.70	106	59416	5.498	ug/l	99
73) Isopropylbenzene	11.01	105	761505	28.563	ug/l	100
78) n-propylbenzene	11.35	91	1548873	51.794	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	387190	17.256	ug/l	99
83) tert-Butylbenzene	11.76	119	14881	0.681	ug/l	83
84) 1,2,4-Trimethylbenzene	11.80	105	3279675	145.957	ug/l	99
85) sec-Butylbenzene	11.94	105	118212	4.586	ug/l	98
86) p-Isopropyltoluene	12.06	119	22668	0.961	ug/l #	74
89) n-Butylbenzene	12.38	91	110606m	5.497	ug/l	
95) Naphthalene	13.83	128	3058053	123.741	ug/l	100

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



#1

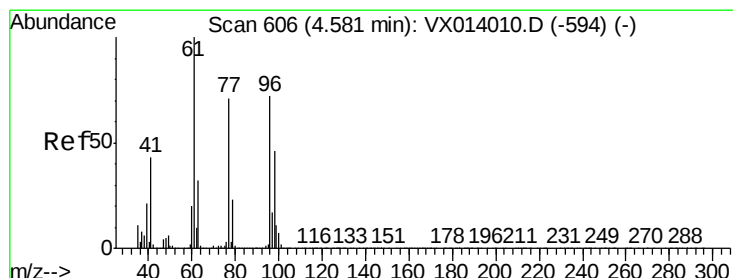
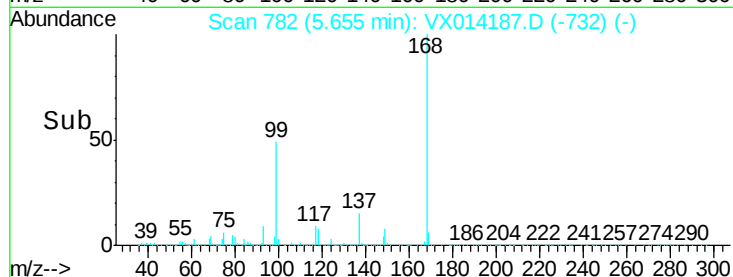
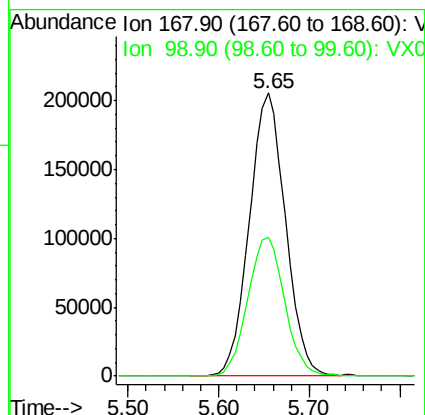
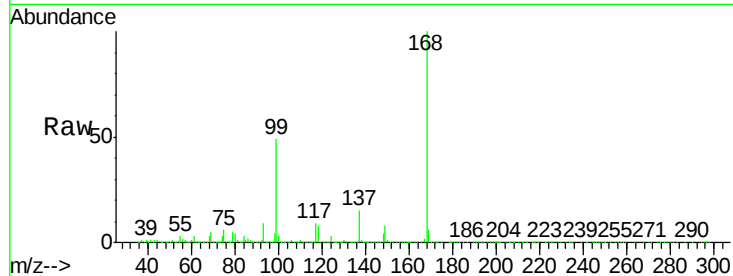
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 782
Delta R.T. 0.01 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Resp	Lower	Upper
168	100	567024		
99	49.0	40.3	60.5	

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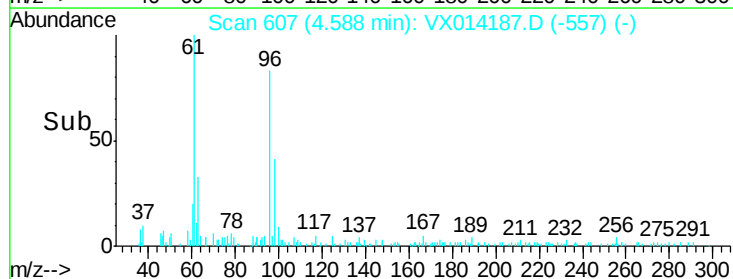
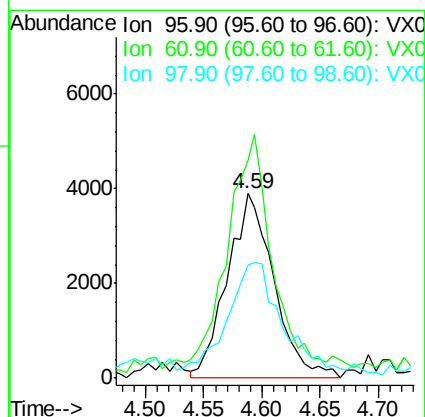
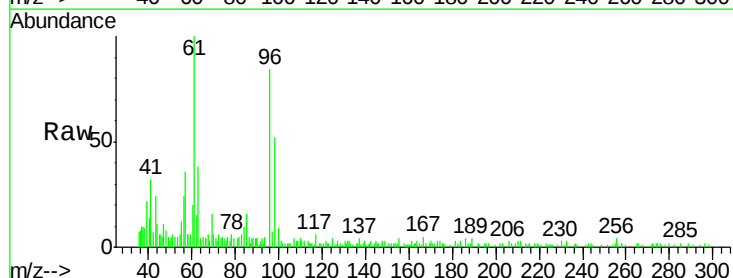
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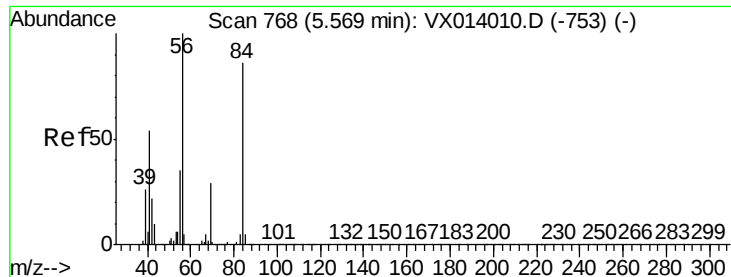


#27

cis-1,2-Dichloroethene
Concen: 1.599 ug/l
RT: 4.59 min Scan# 607
Delta R.T. 0.01 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	10870		
61	112.6	0.0	288.4	
98	66.5	0.0	129.6	





#31

Cyclohexane

Concen: 28.849 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 56 Resp: 277038

Ion Ratio Lower Upper

56 100

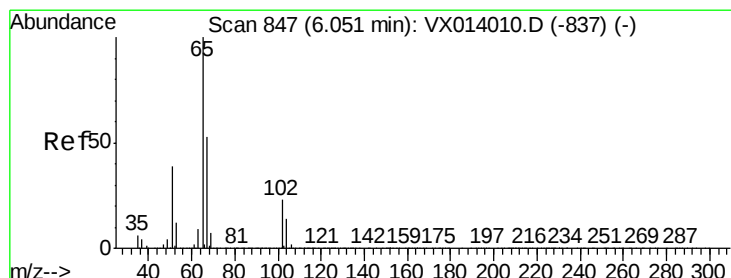
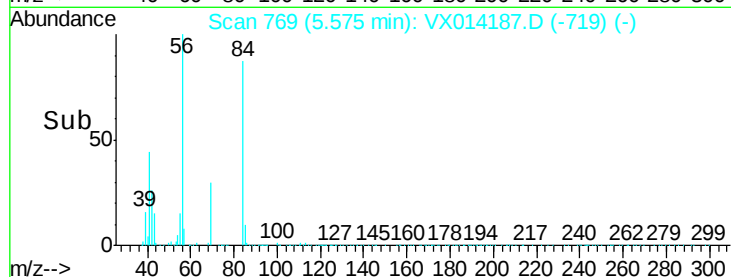
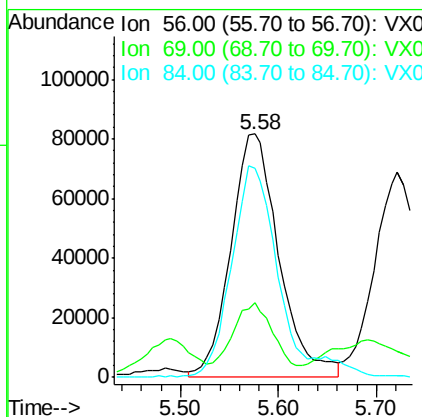
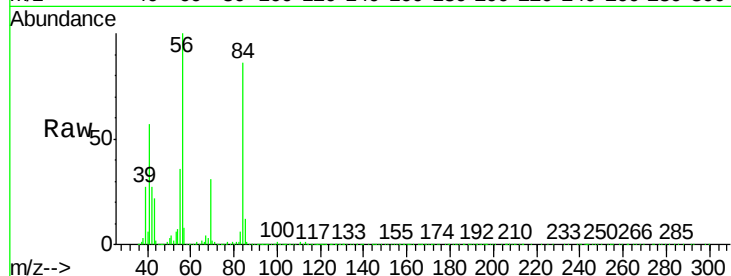
69 20.8 23.2 34.8#

84 87.1 69.2 103.8

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#33

1,2-Dichloroethane-d4

Concen: 47.657 ug/l

RT: 6.05 min Scan# 847

Delta R.T. 0.00 min

Lab File: VX014187.D

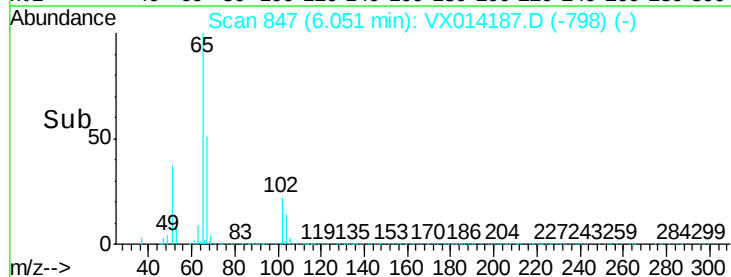
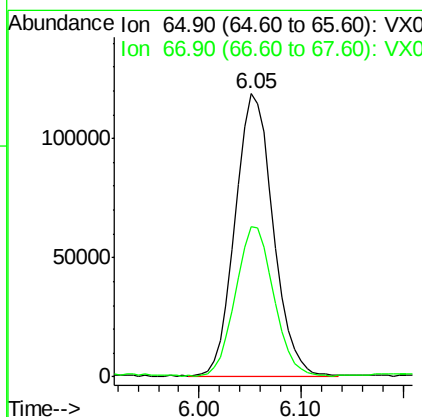
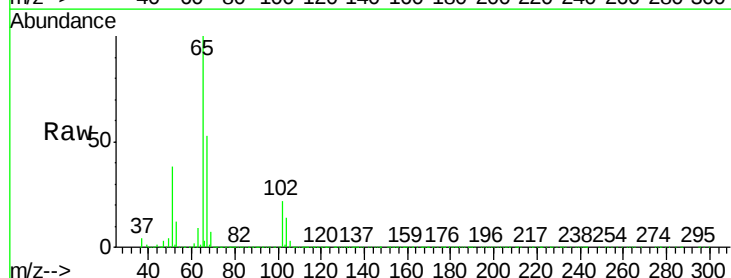
Acq: 20 Dec 2019 20:19

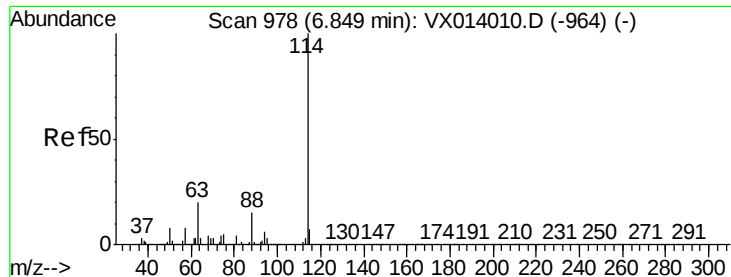
Tgt Ion: 65 Resp: 306267

Ion Ratio Lower Upper

65 100

67 53.0 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: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

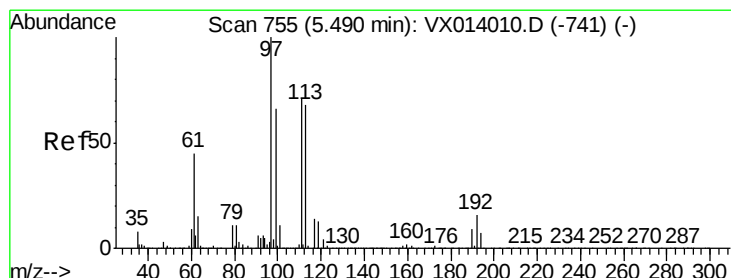
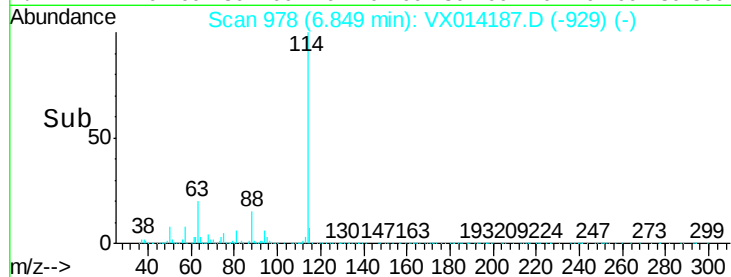
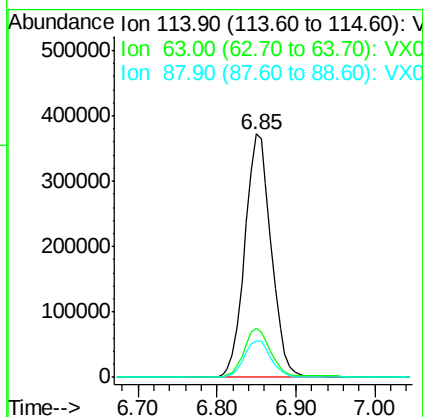
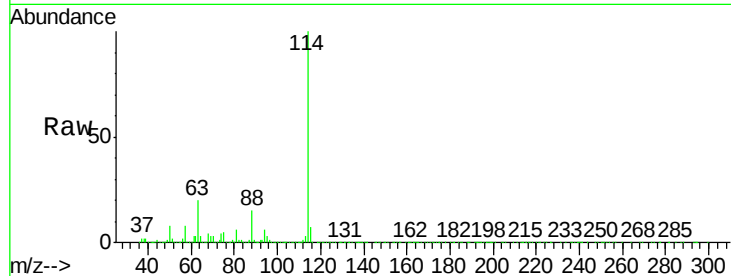
ClientSampled :

MW-2

Tot Ion:	114	Resp:	862517
Ion Ratio		Lower	Upper
114	100		
63	20.2	0.0	40.8
88	14.7	0.0	30.4

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#35

Dibromofluoromethane

Concen: 48.061 ug/l

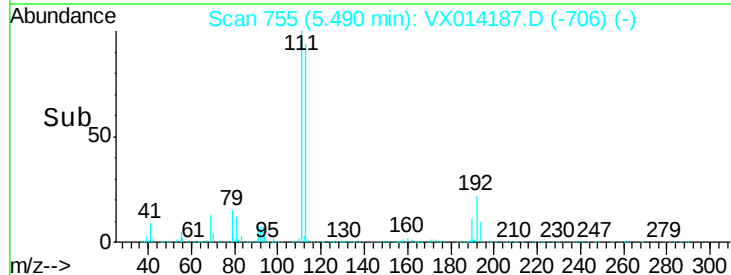
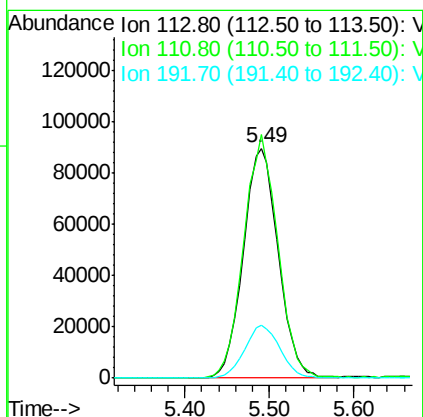
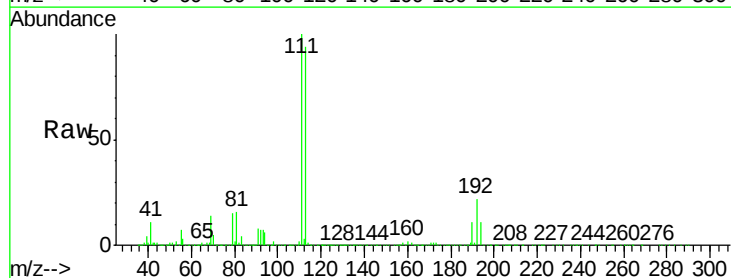
RT: 5.49 min Scan# 755

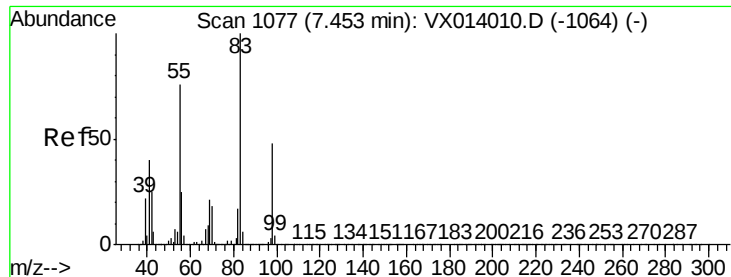
Delta R.T. 0.00 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Tgt Ion:	113	Resp:	251991
Ion Ratio		Lower	Upper
113	100		
111	103.3	82.0	123.0
192	23.4	19.3	28.9





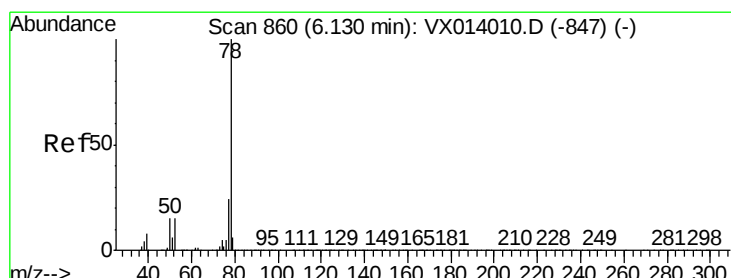
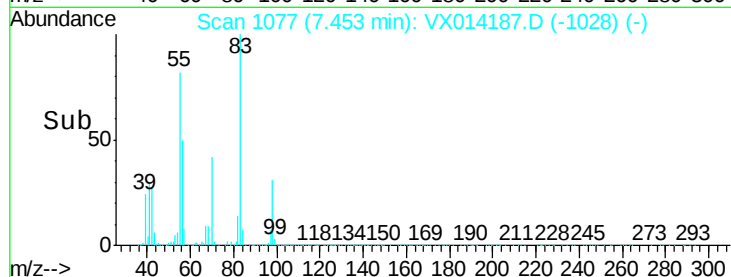
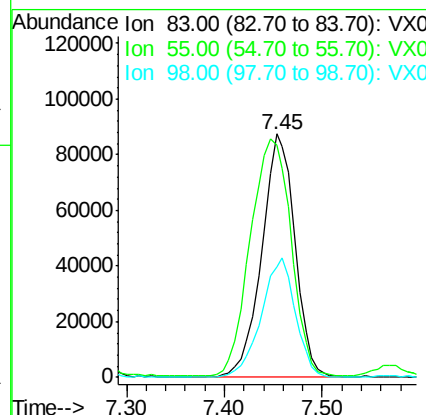
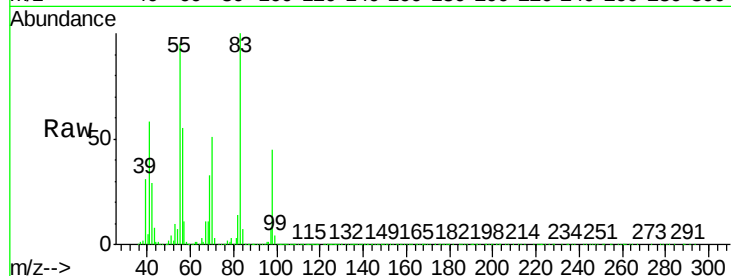
#39
Methvlcvclohexane
Concen: 21.167 ug/l
RT: 7.45 min Scan# 1077
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
83	100		
55	94.9	61.0	91.6#
98	45.2	38.6	57.8

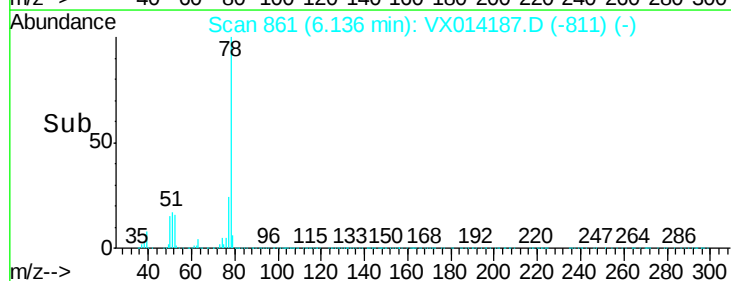
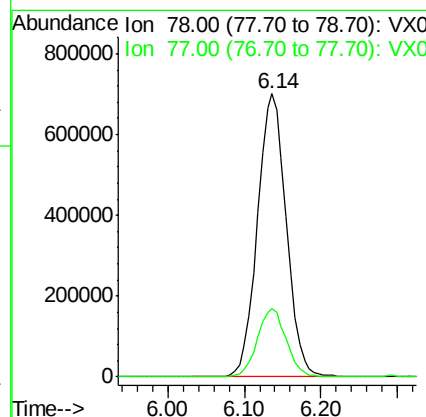
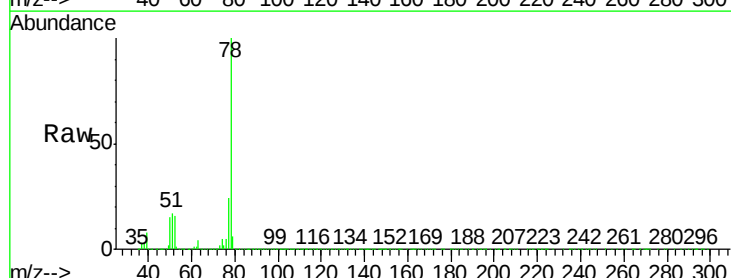
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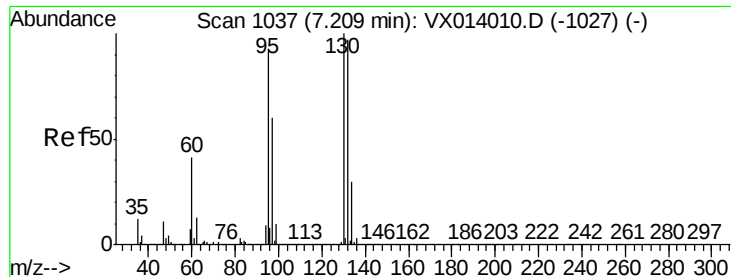
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#40
Benzene
Concen: 75.589 ug/l
RT: 6.14 min Scan# 861
Delta R.T. 0.01 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2





#44

Trichloroethene

Concen: 1.695 ug/l

RT: 7.22 min Scan# 1038

Delta R.T. 0.01 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion:130 Resp: 11399

Ion Ratio Lower Upper

130 100

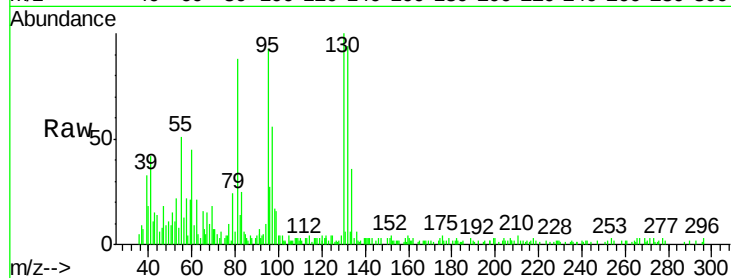
95 92.6 0.0 185.6

Manual Integrations

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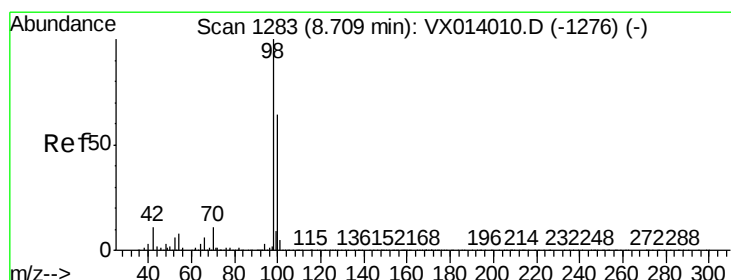
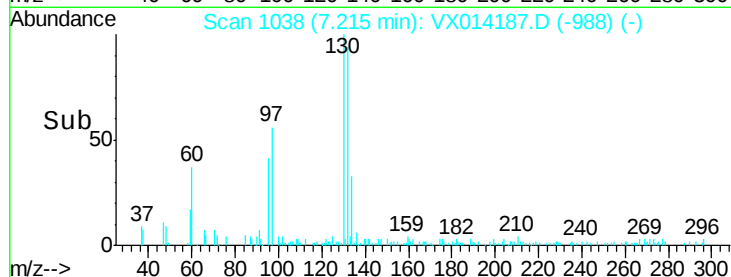
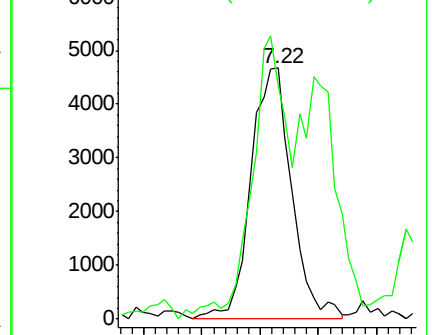
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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 50.989 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014187.D

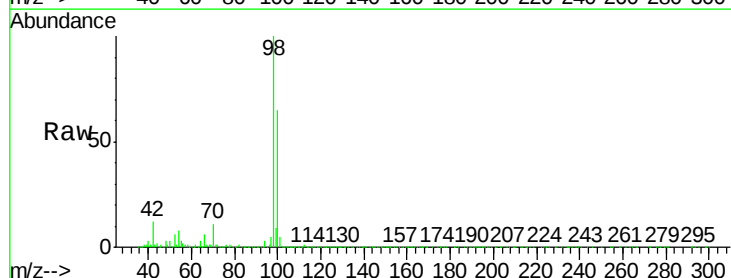
Acq: 20 Dec 2019 20:19

Tgt Ion: 98 Resp: 1040829

Ion Ratio Lower Upper

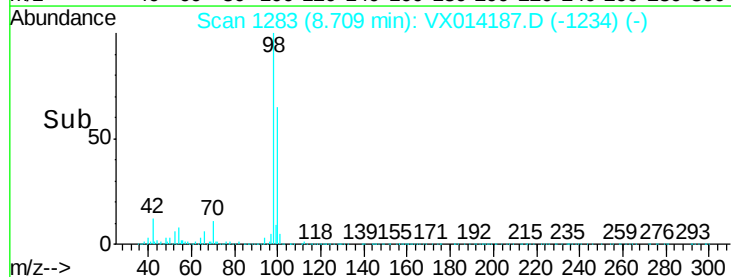
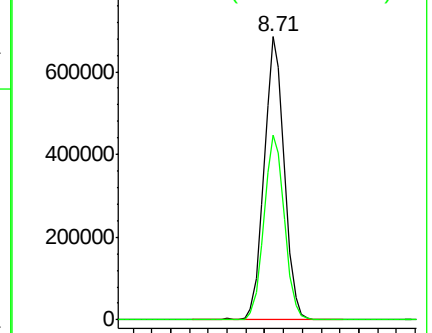
98 100

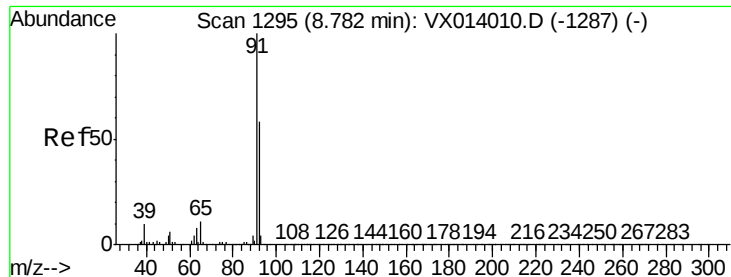
100 65.9 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0





#52

Toluene

Concen: 9.456 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 92 Resp: 145545

Ion Ratio Lower Upper

92 100

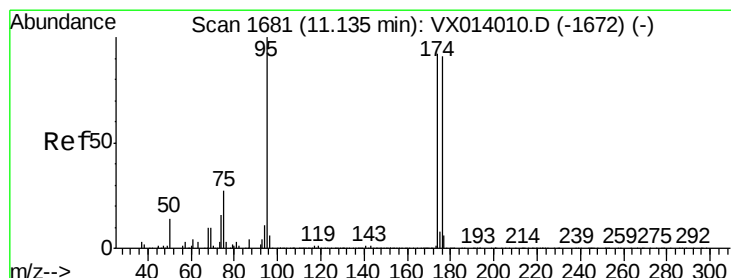
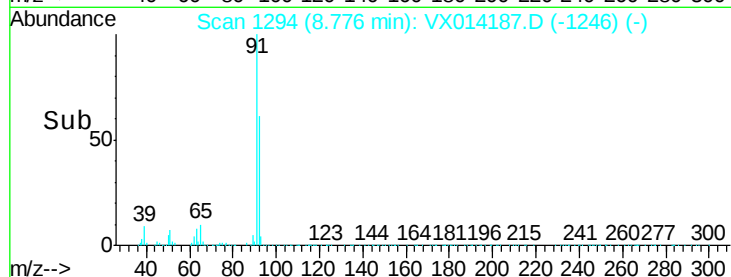
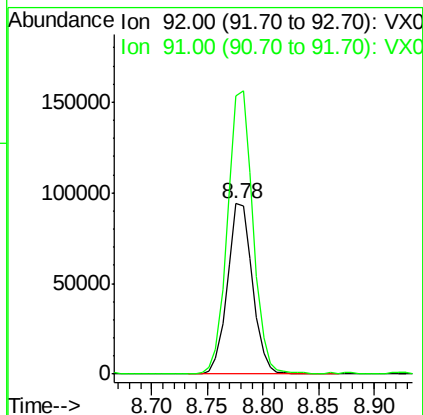
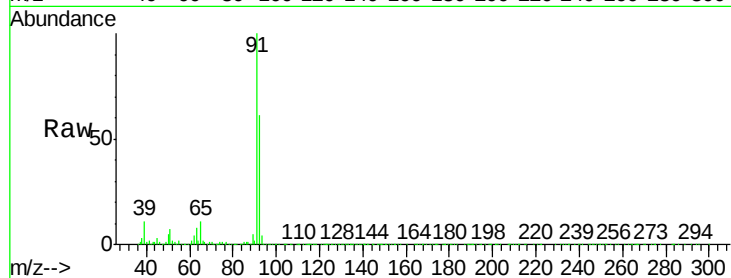
91 168.1 136.2 204.4

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#62

4-Bromofluorobenzene

Concen: 50.230 ug/l

RT: 11.13 min Scan# 1680

Delta R.T. -0.01 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

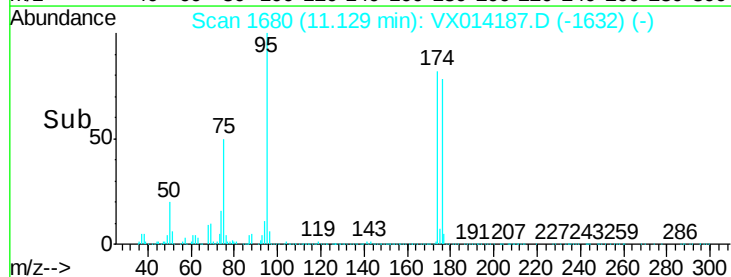
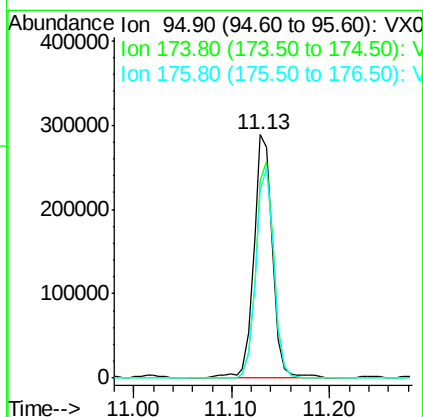
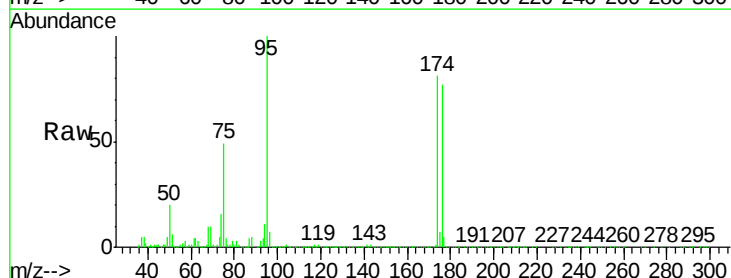
Tgt Ion: 95 Resp: 374810

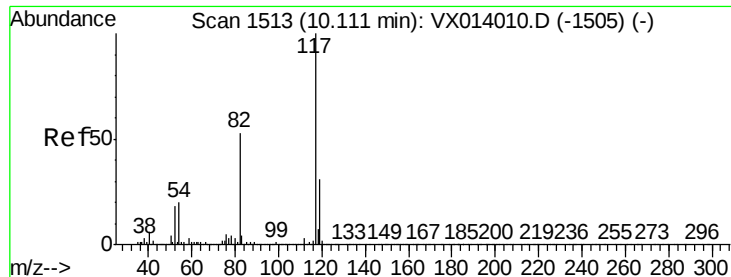
Ion Ratio Lower Upper

95 100

174 86.4 0.0 175.8

176 83.5 0.0 173.0





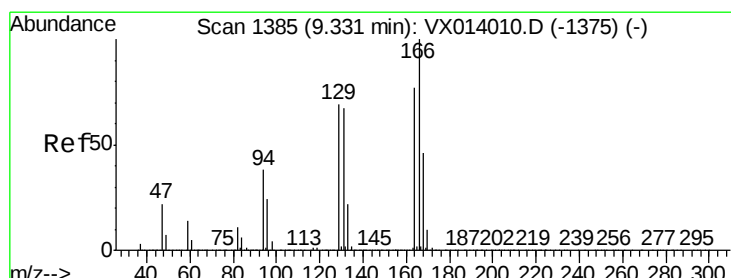
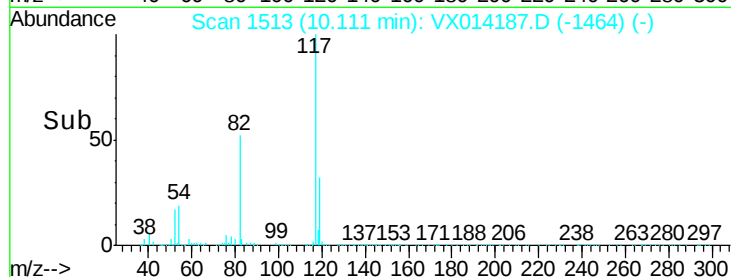
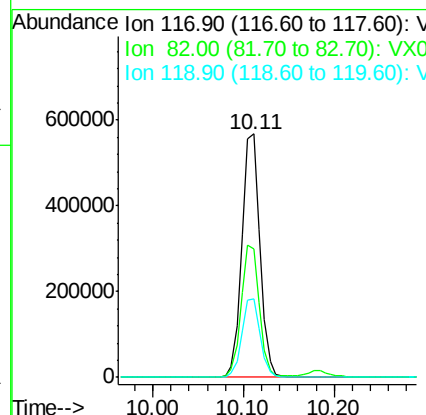
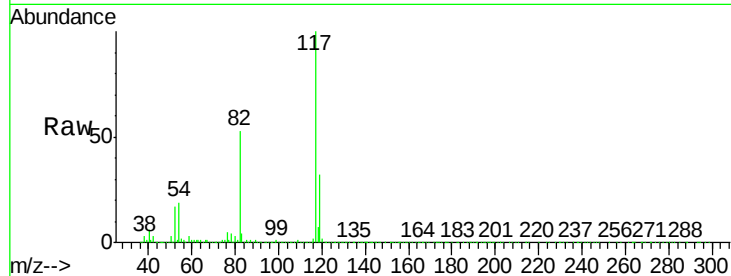
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.7	42.2	63.4
119	32.5	25.1	37.7

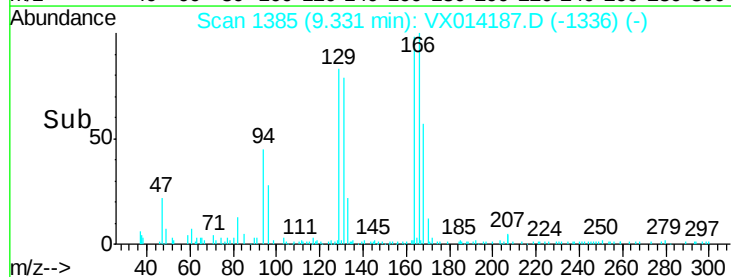
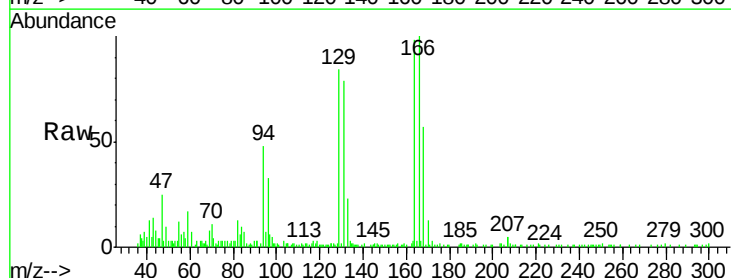
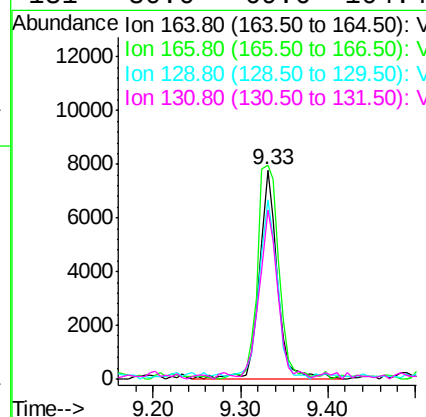
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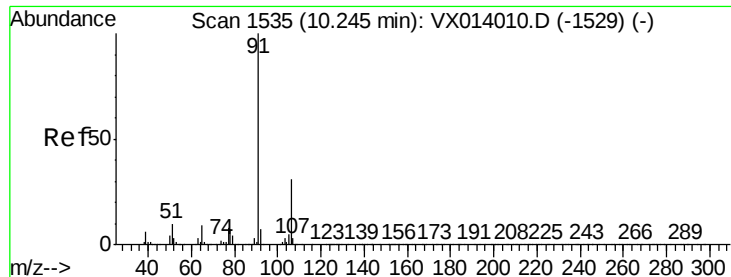
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12/23/2019 10:25:47 AM



#64
Tetrachloroethene
Concen: 1.600 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.9	104.0	156.0#
129	84.4	72.2	108.4
131	80.6	69.6	104.4





#67

Ethyl Benzene

Concen: 120.663 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion: 91 Resp: 3456990

Ion Ratio Lower Upper

91 100

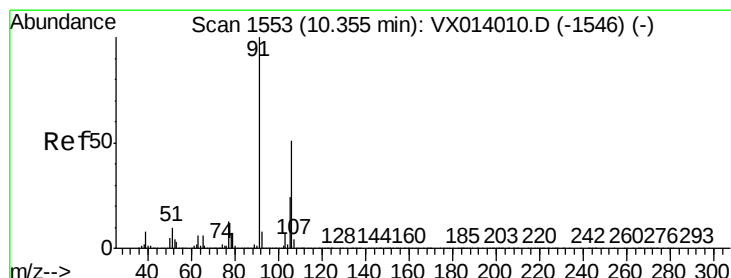
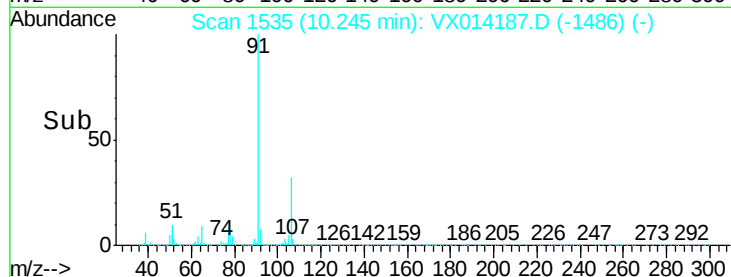
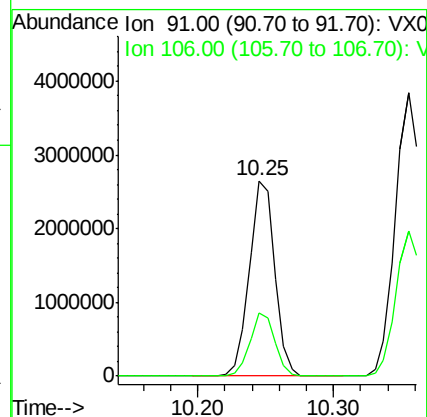
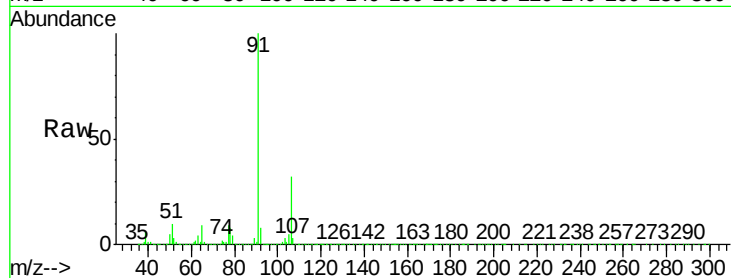
106 32.1 25.0 37.6

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#68

m/p-Xylenes

Concen: 239.033 ug/l

RT: 10.35 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014187.D

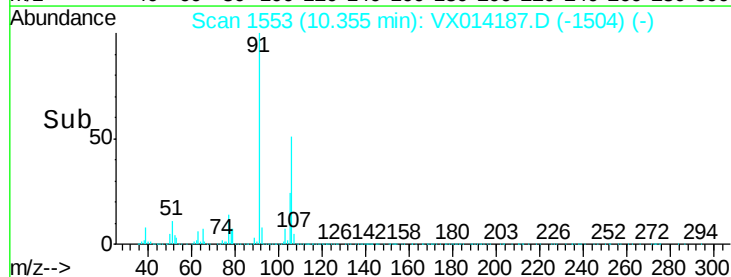
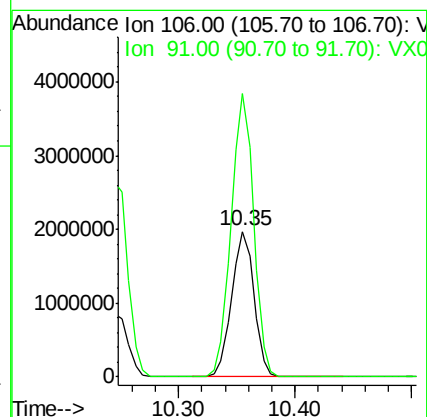
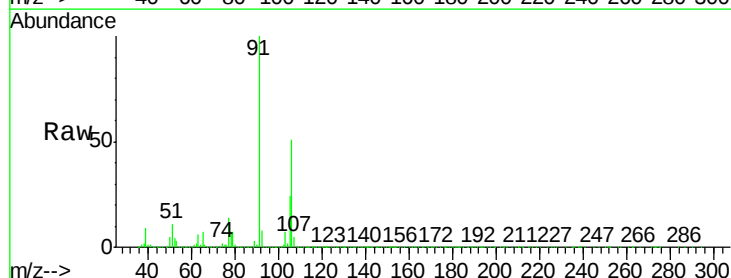
Acq: 20 Dec 2019 20:19

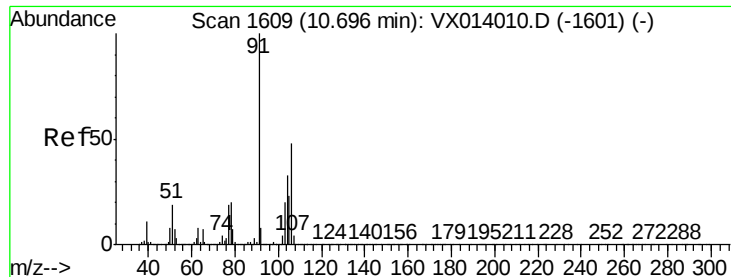
Tgt Ion: 106 Resp: 2633936

Ion Ratio Lower Upper

106 100

91 196.0 158.6 238.0





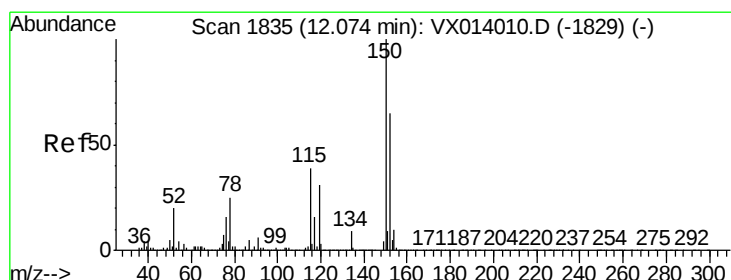
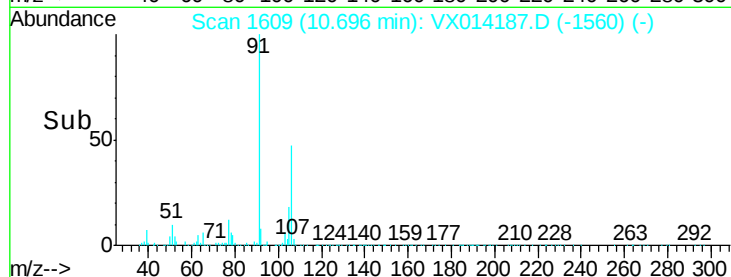
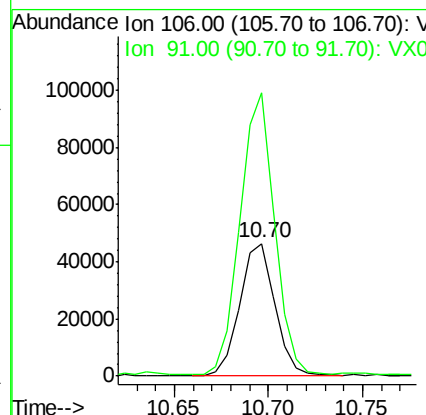
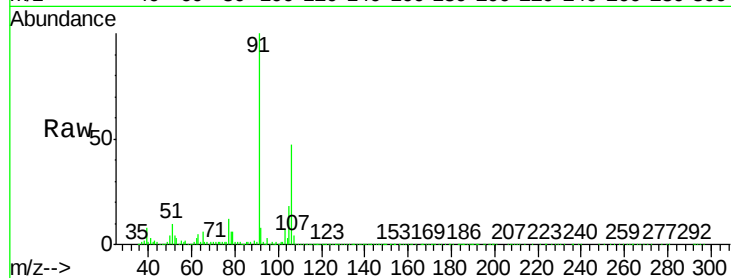
#69
o-Xylene
Concen: 5.498 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampleID :
MW-2

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	104.2	312.6

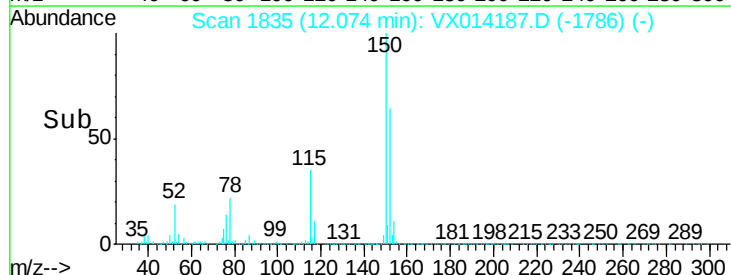
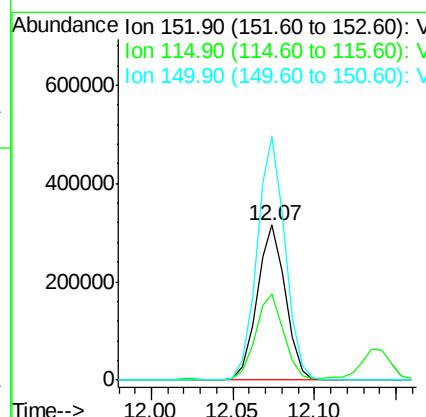
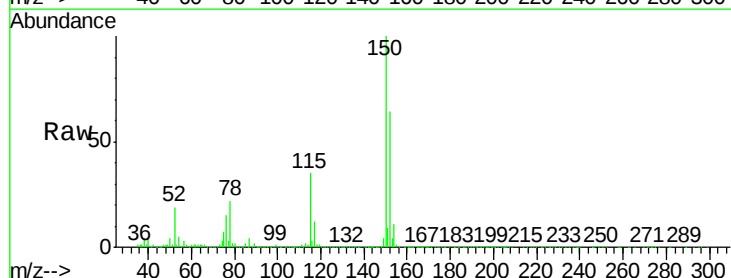
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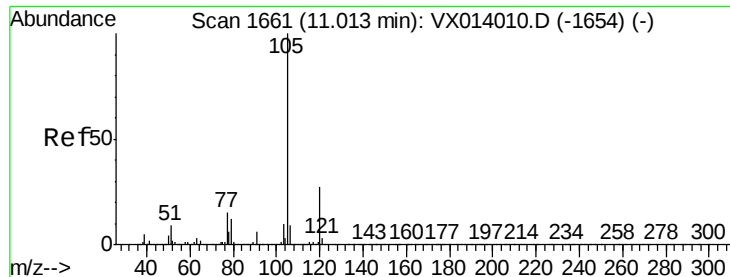
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.0	38.3	114.9
150	156.1	0.0	345.4





#73

Isopropylbenzene

Concen: 28.563 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. 0.00 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampleId :

MW-2

Tot Ion: 105 Resp: 761505

Ion Ratio Lower Upper

105 100

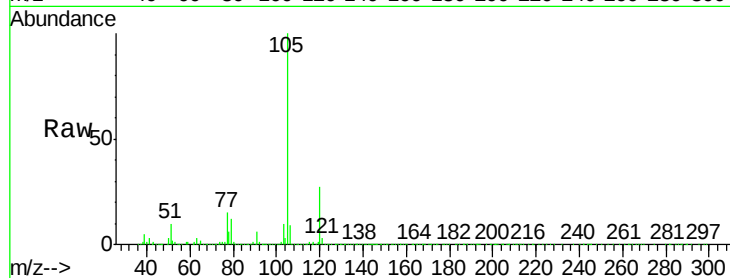
120 26.7 13.5 40.4

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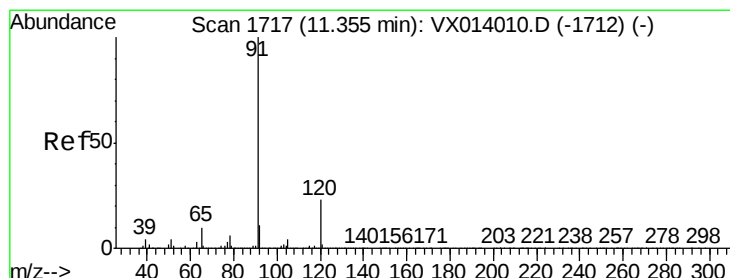
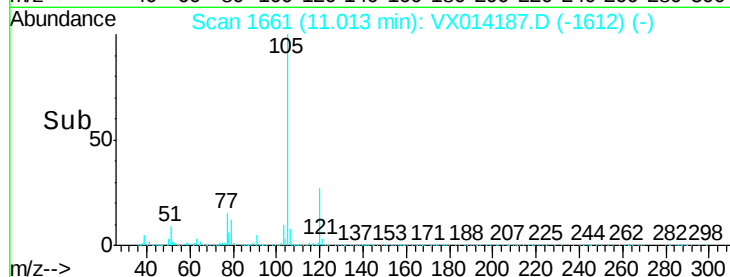
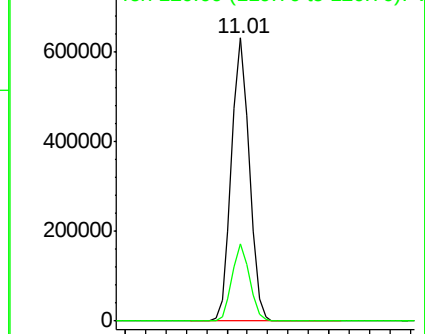
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 51.794 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014187.D

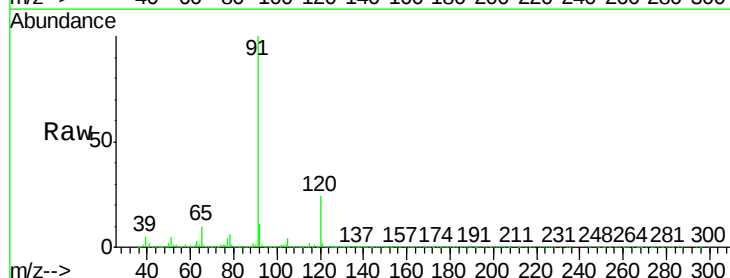
Acq: 20 Dec 2019 20:19

Tgt Ion: 91 Resp: 1548873

Ion Ratio Lower Upper

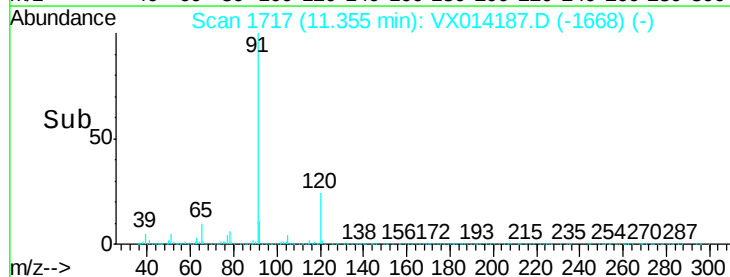
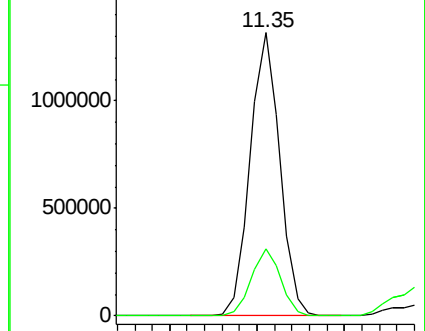
91 100

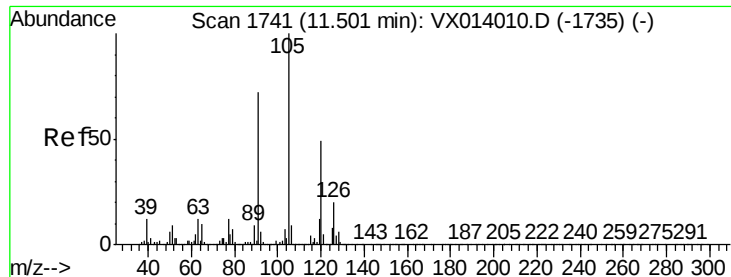
120 23.4 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 17.256 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

Instrument :

MSVOA_X

ClientSampled :

MW-2

Tot Ion:105 Resp: 387190

Ion Ratio Lower Upper

105 100

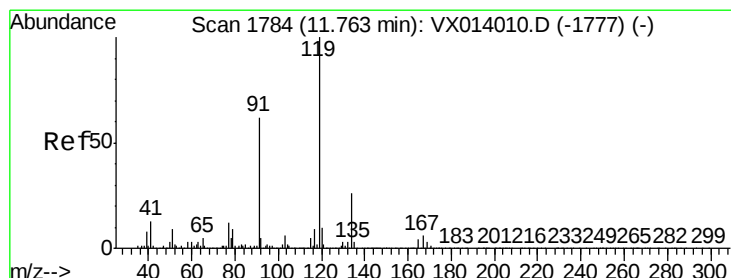
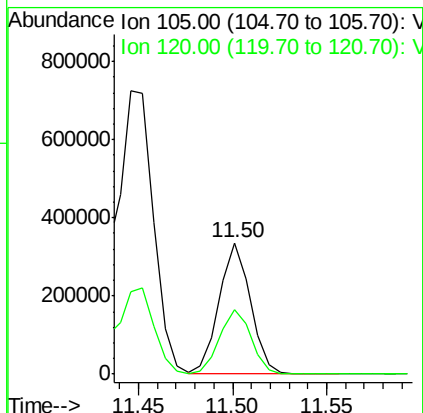
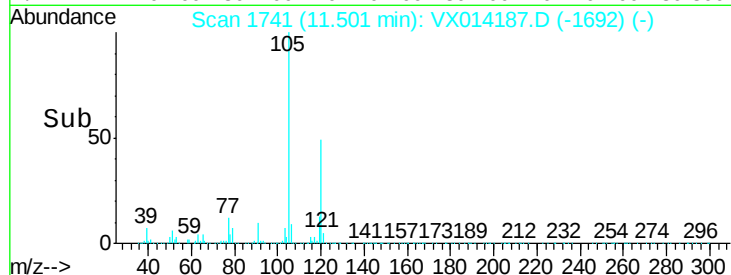
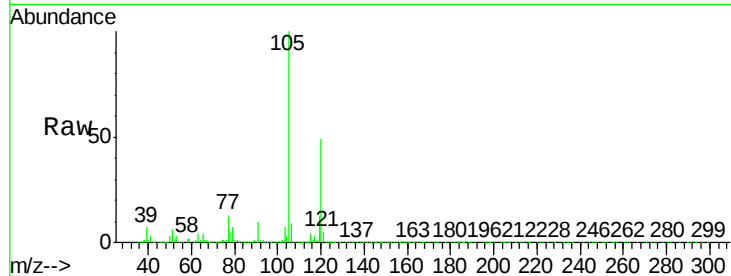
120 49.7 25.3 75.8

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#83

tert-Butylbenzene

Concen: 0.681 ug/l

RT: 11.76 min Scan# 1784

Delta R.T. 0.00 min

Lab File: VX014187.D

Acq: 20 Dec 2019 20:19

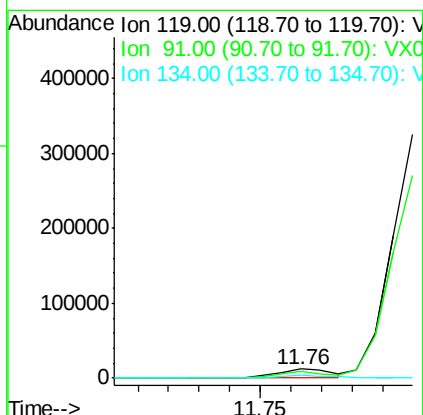
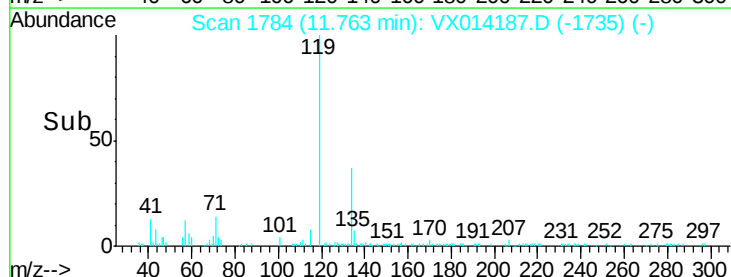
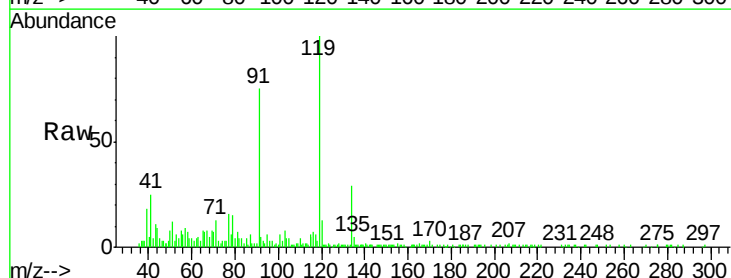
Tgt Ion:119 Resp: 14881

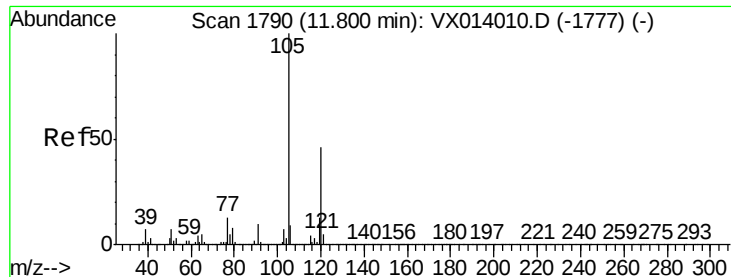
Ion Ratio Lower Upper

119 100

91 69.5 28.5 85.6

134 32.8 12.2 36.6





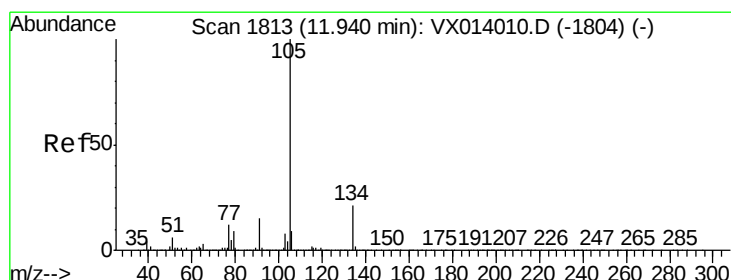
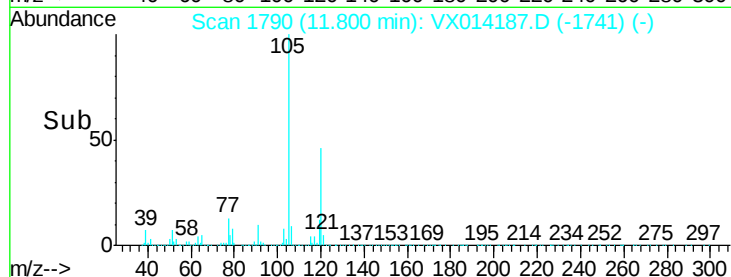
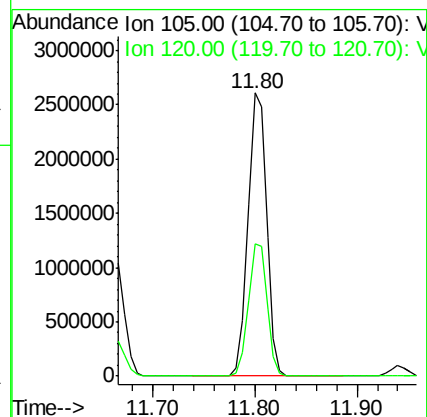
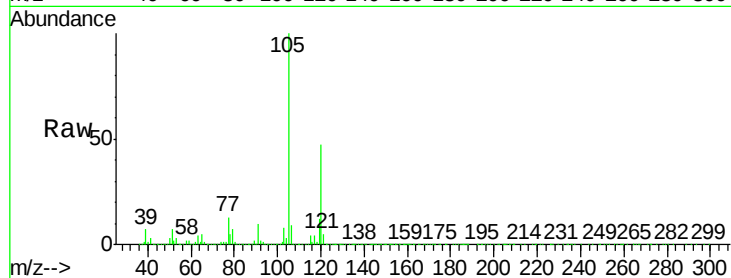
#84
1,2,4-Trimethylbenzene
Concen: 145.957 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion:105 Resp: 3279675
Ion Ratio Lower Upper
105 100
120 47.1 23.1 69.2

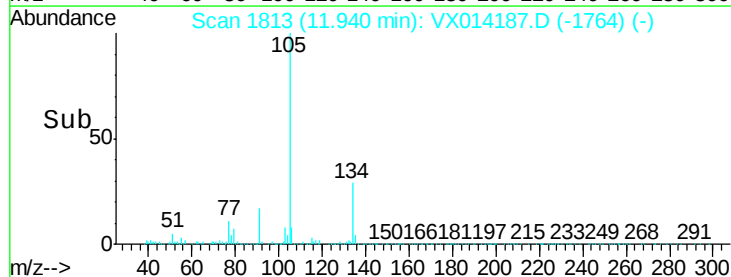
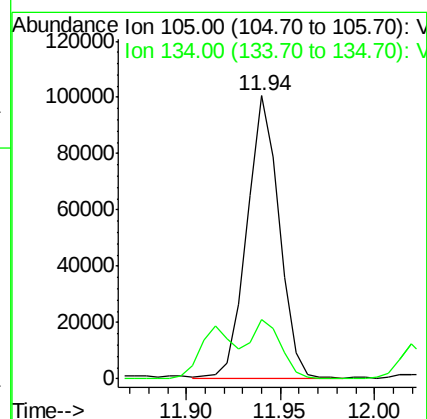
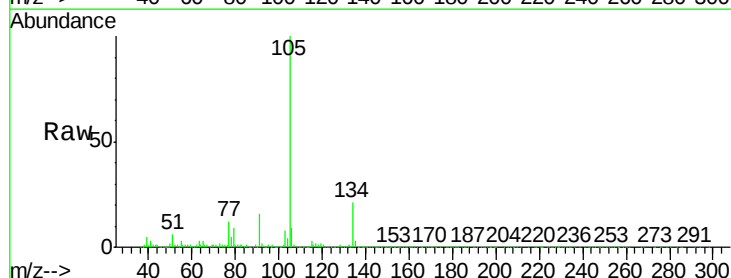
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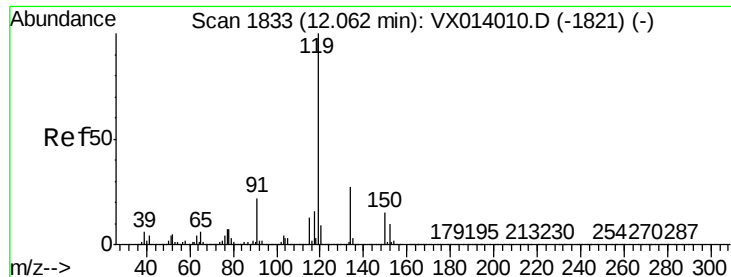
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#85
sec-Butylbenzene
Concen: 4.586 ug/l
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion:105 Resp: 118212
Ion Ratio Lower Upper
105 100
134 19.7 10.4 31.1





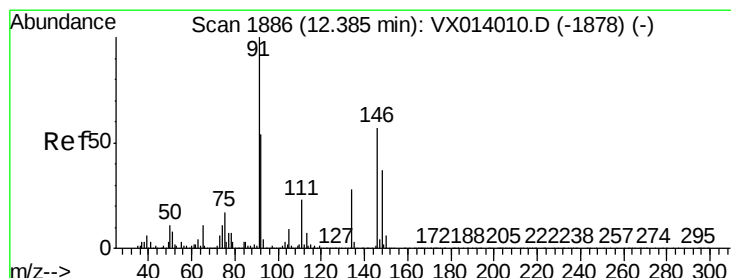
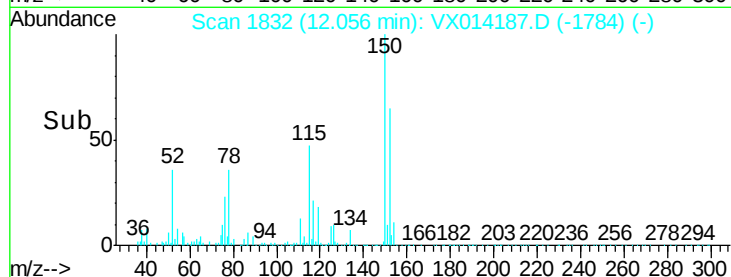
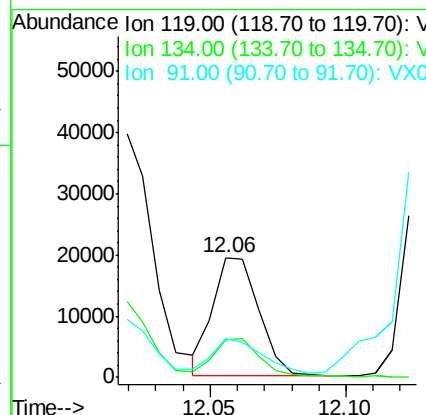
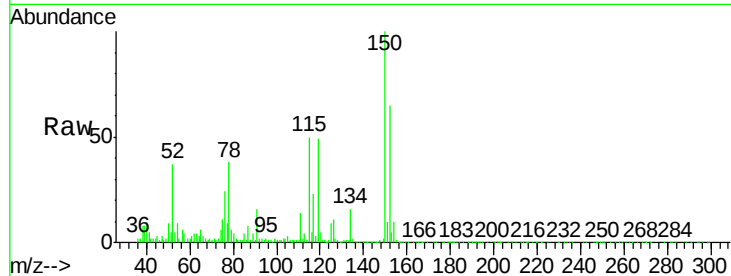
#86
p-Isopropyltoluene
Concen: 0.961 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampled :
MW-2

Tot Ion	Ratio	Lower	Upper
119	100		
134	31.3	13.4	40.1
91	0.0	11.4	34.1#

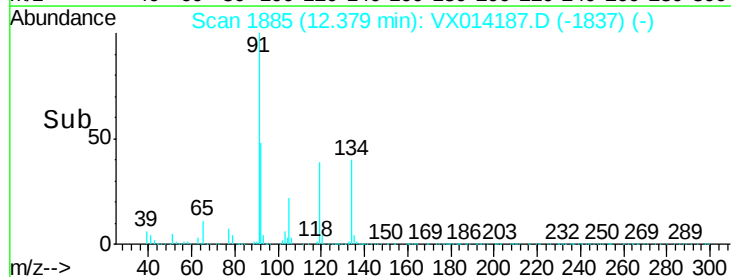
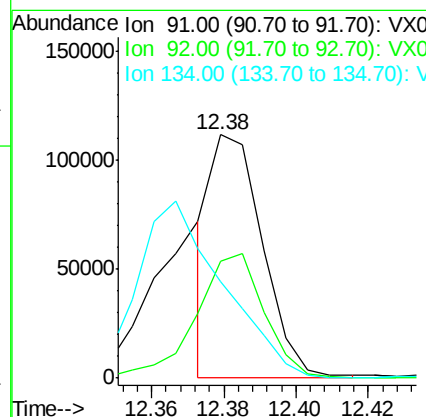
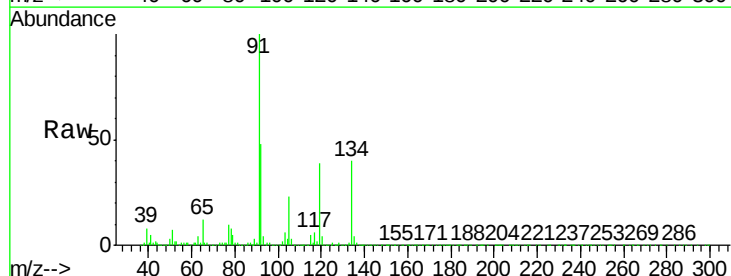
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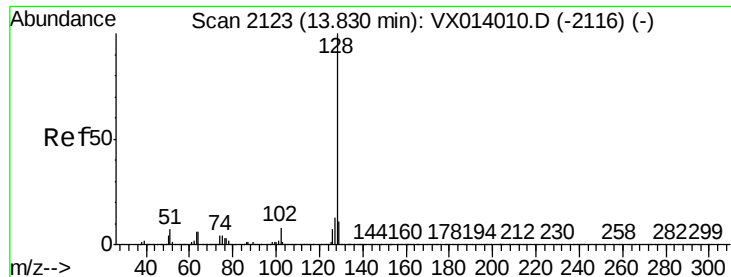
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#89
n-Butylbenzene
Concen: 5.497 ug/l m
RT: 12.38 min Scan# 1885
Delta R.T. -0.01 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.1	27.2	81.6
134	120.7	13.4	40.1#





#95
Naphthalene
Concen: 123.741 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014187.D
Acq: 20 Dec 2019 20:19

Instrument :
MSVOA_X
ClientSampleId :
MW-2

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.2	15.4
129	11.1	8.7	13.1

Manual Integrations
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