

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120919\
 Data File : VL034472.D
 Acq On : 9 Dec 2019 20:07
 Operator : SY/AP
 Sample : K6195-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-HW

Manual Integrations
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Quant Time: Dec 11 11:31:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Nov 19 14:15:35 2019
 QLast Update : Tue Nov 19 14:15:35 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	827428	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1674961	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.14	117	1699777	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.47	95	1443775	10.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	36075	0.241	ppbv	99
3) Chlorodifluoromethane	2.96	51	146718m	1.421	ppbv	
4) Chloromethane	3.11	50	29896m	0.491	ppbv	
9) Propene	2.99	41	37404m	0.816	ppbv	
11) Trichlorofluoromethane	3.93	101	38916	0.261	ppbv	92
13) Ethanol	3.58	45	1576309	123.462	ppbv	96
15) Acetone	3.83	43	546842	4.615	ppbv	100
19) Isopropyl Alcohol	3.96	45	284400	3.745	ppbv #	99
20) Methylene Chloride	4.33	84	31500	0.750	ppbv	92
26) Hexane	5.69	57	79441	0.874	ppbv #	43
34) 2-Butanone	5.25	43	37656	0.273	ppbv	97
35) Carbon Tetrachloride	7.04	117	10012m	0.070	ppbv	
36) Benzene	6.91	78	25528m	0.152	ppbv	
38) Trichloroethene	7.87	130	4279m	0.062	ppbv	
50) 4-Methyl-2-Pentanone	8.79	43	74177m	0.372	ppbv	
52) Tetrachloroethene	11.29	164	8625128	119.057	ppbv	86
53) Toluene	9.84	91	291119	1.531	ppbv	99
59) m/p-Xylene	13.02	91	33107m	0.145	ppbv	

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

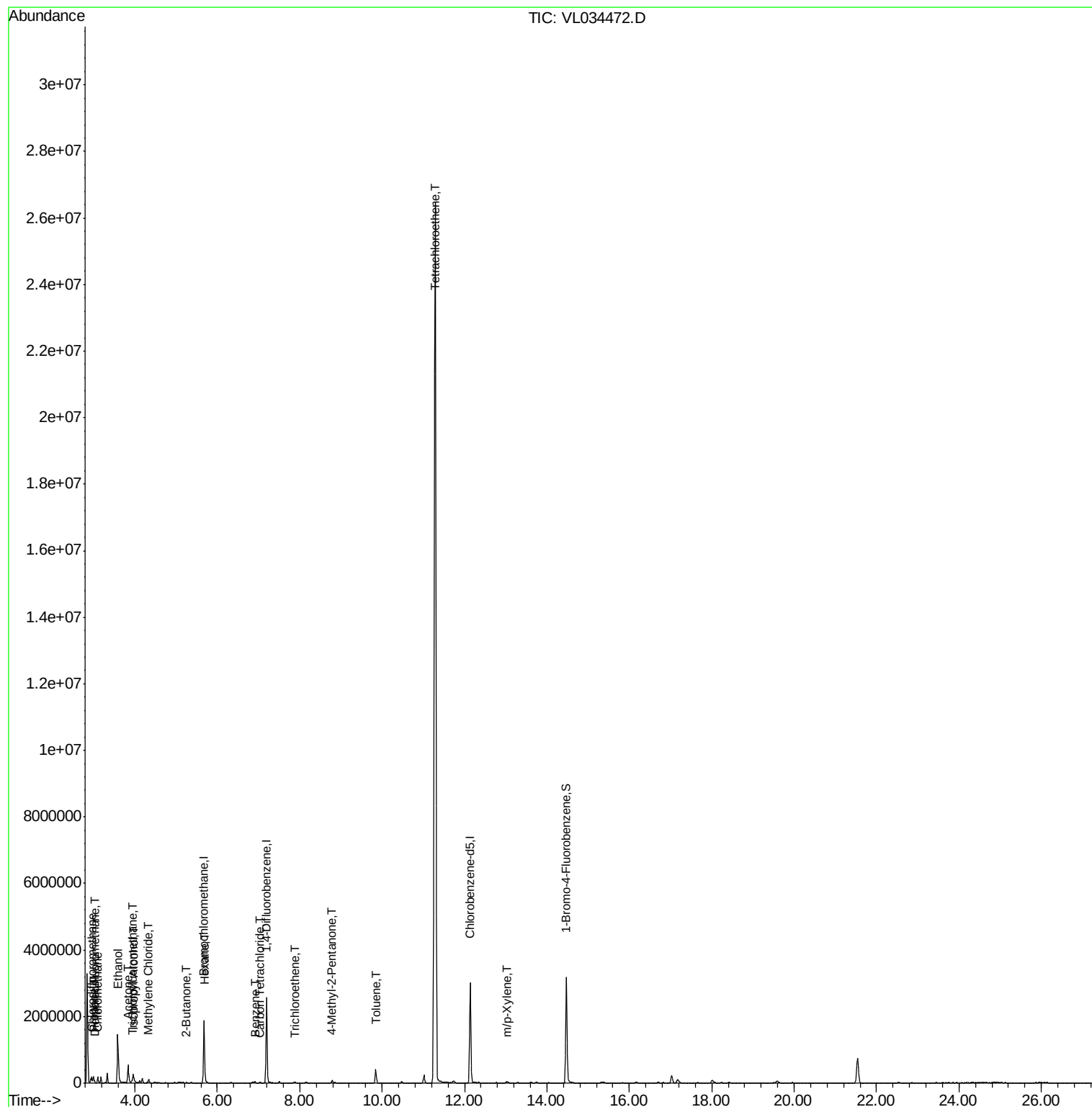
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120919\
Data File : VL034472.D
Acq On : 9 Dec 2019 20:07
Operator : SY/AP
Sample : K6195-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

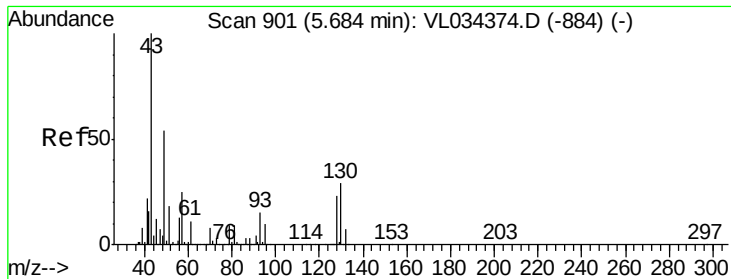
Instrument :
MSVOA_L
ClientSampleId :
IA-HW

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Quant Time: Dec 11 11:31:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111919AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Nov
QLast Update : Tue Nov 19 14:15:35 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Instrument :

MSVOA_L

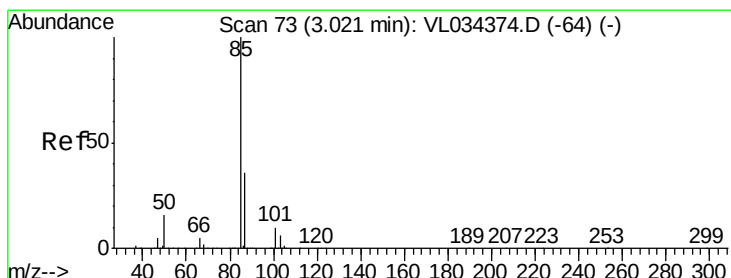
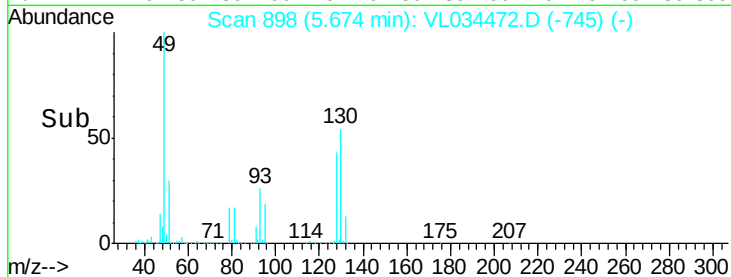
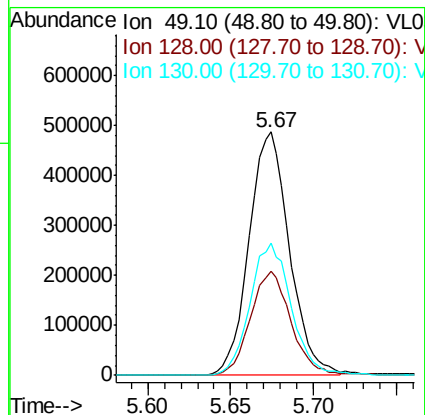
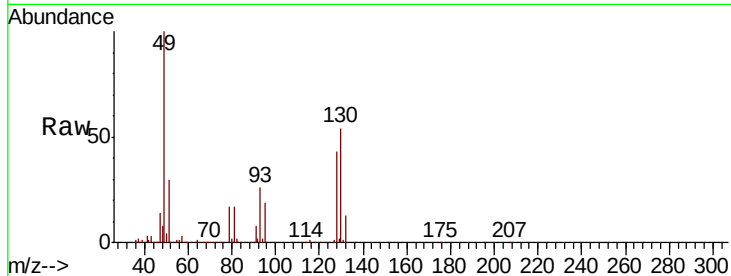
ClientSampled :

IA-HW

Tot Ion	Ratio	Lower	Upper
49	100		
128	43.4	21.8	65.3
130	56.0	28.0	84.0

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#2

Dichlorodifluoromethane

Concen: 0.241 ppbv

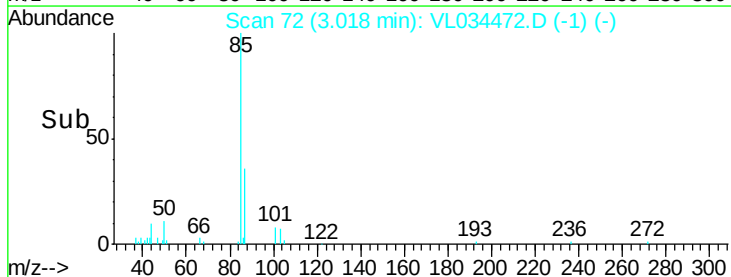
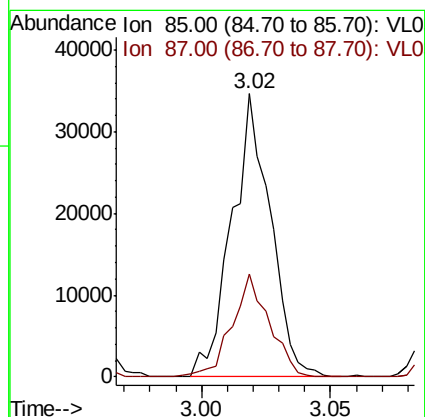
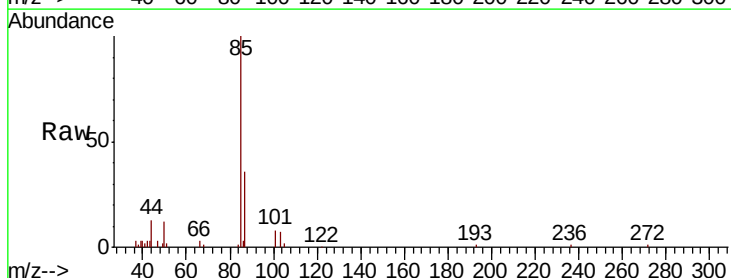
RT: 3.02 min Scan# 72

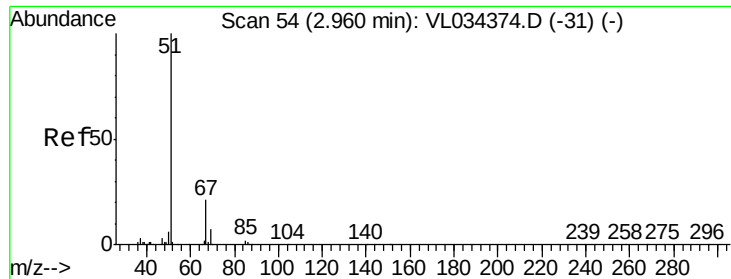
Delta R.T. -0.00 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
85	100		
87	36.4	28.5	42.7





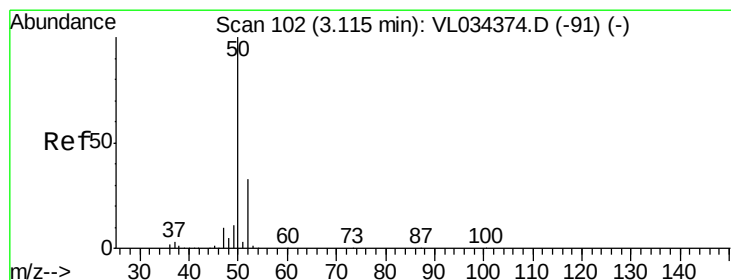
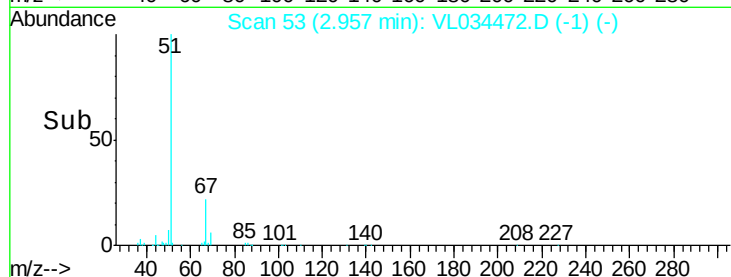
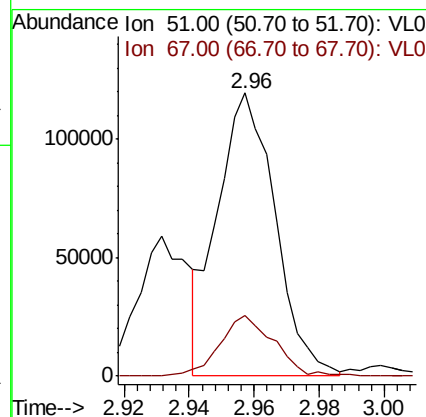
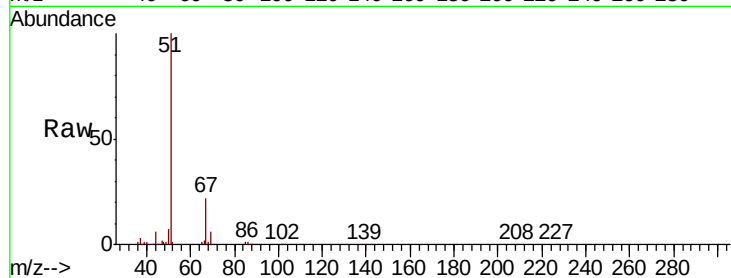
#3
Chlorodifluoromethane
Concen: 1.421 ppbv m
RT: 2.96 min Scan# 53
Delta R.T. -0.00 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampleId :
IA-HW

Tot Ion	Ratio	Lower	Upper
51	100		
67	20.4	16.2	24.2

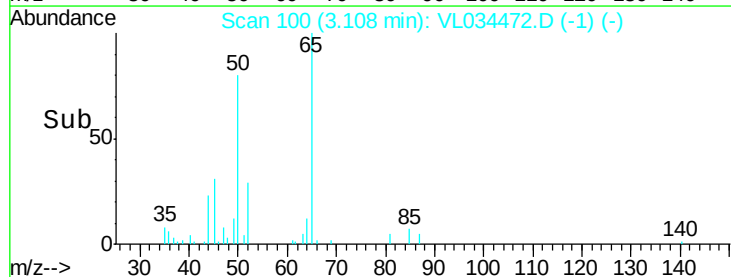
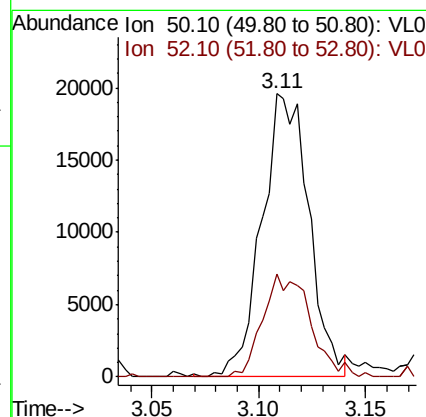
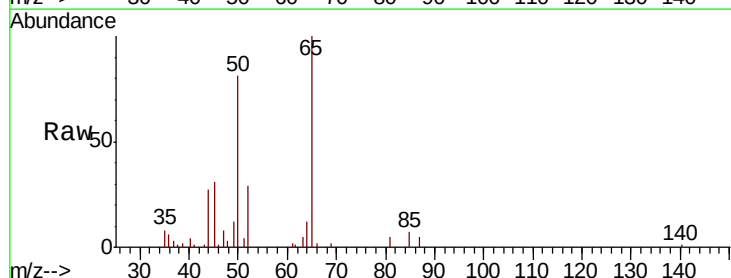
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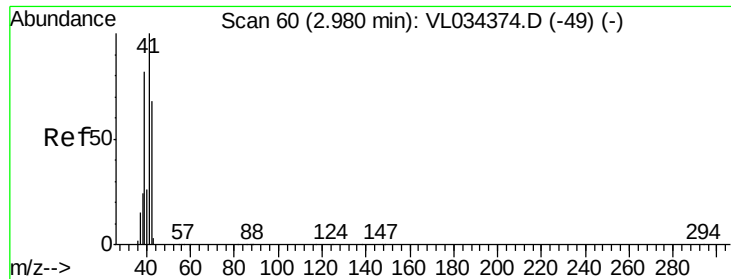
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#4
Chloromethane
Concen: 0.491 ppbv m
RT: 3.11 min Scan# 100
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
50	100		
52	36.2	26.8	40.2





#9

Propene

Concen: 0.816 ppbv m

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Instrument :

MSVOA_L

ClientSampleId :

IA-HW

Tot Ion: 41 Resp: 37404

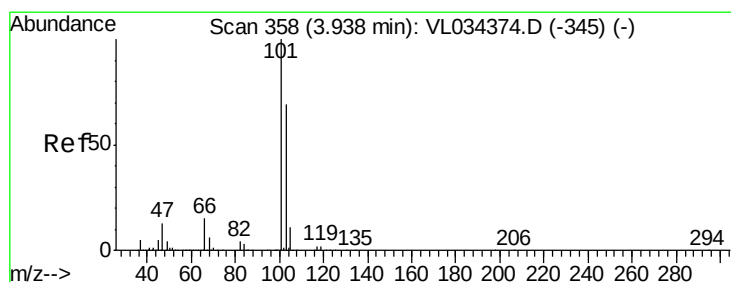
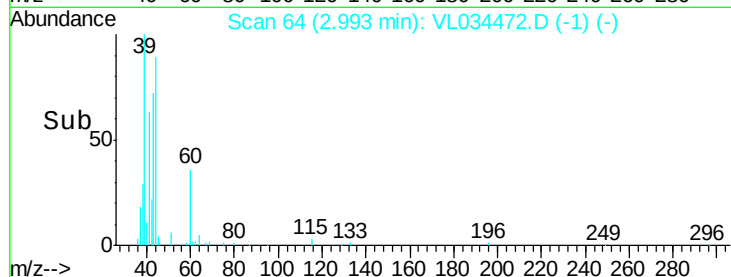
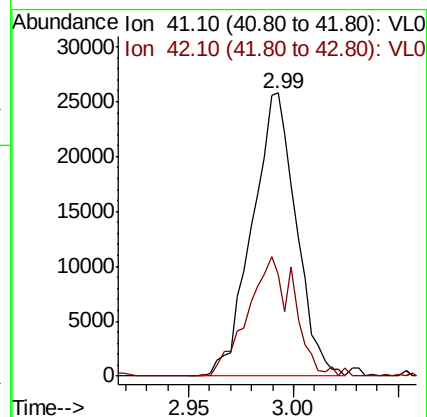
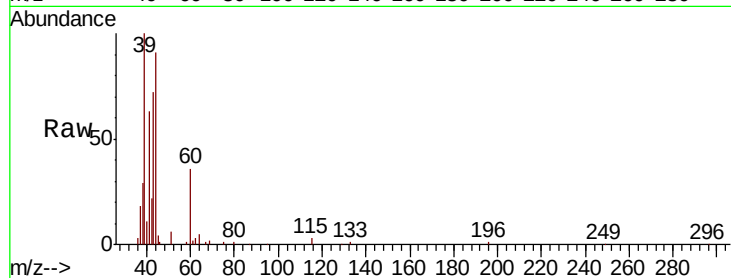
Ion Ratio Lower Upper

41 100

42 79.8 54.6 82.0

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#11

Trichlorofluoromethane

Concen: 0.261 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.01 min

Lab File: VL034472.D

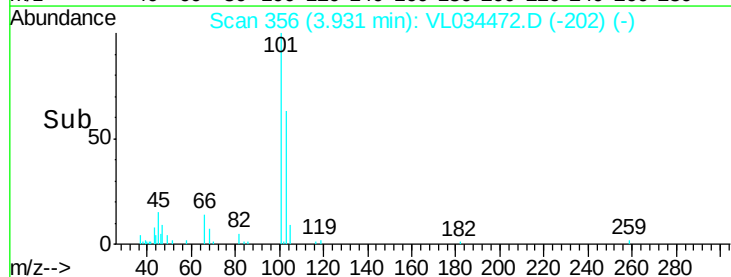
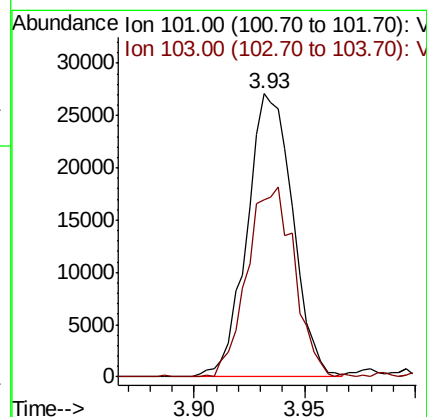
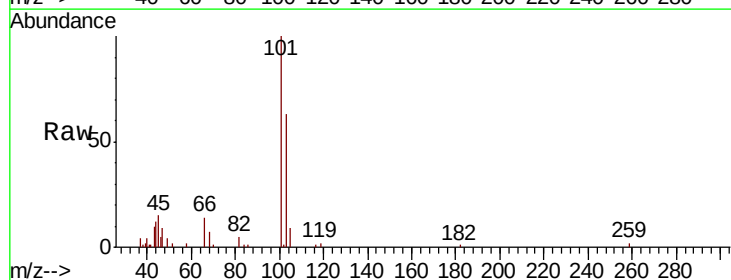
Acq: 9 Dec 2019 20:07

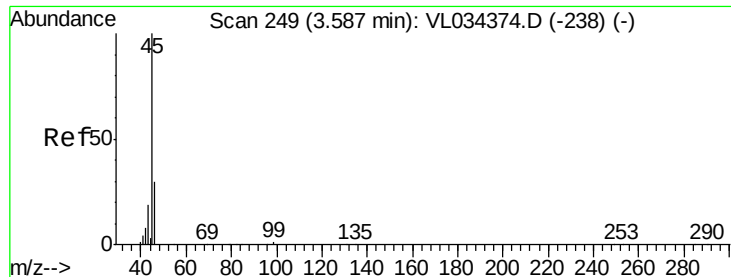
Tgt Ion: 101 Resp: 38916

Ion Ratio Lower Upper

101 100

103 62.7 55.4 83.0





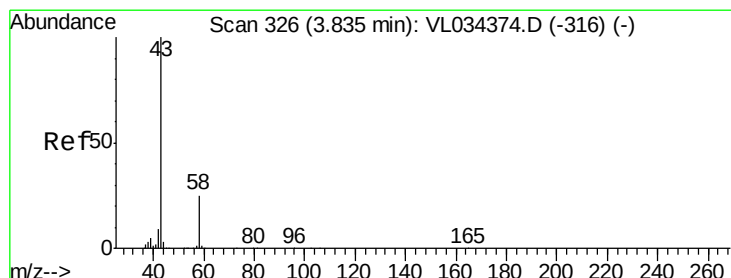
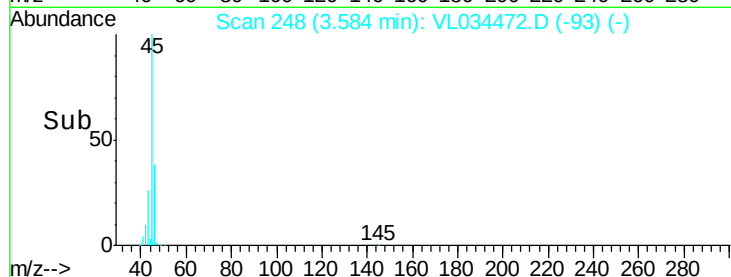
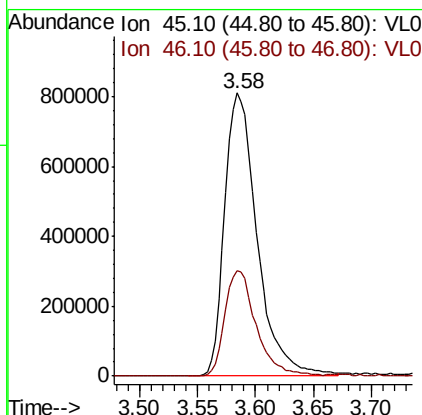
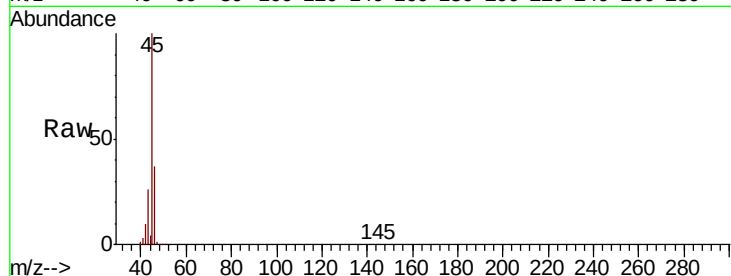
#13
Ethanol
Concen: 123.462 ppbv
RT: 3.58 min Scan# 248
Delta R.T. -0.00 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampled :
IA-HW

Tot Ion: 45 Resp: 1576309
Ion Ratio Lower Upper
45 100
46 36.8 13.8 55.4

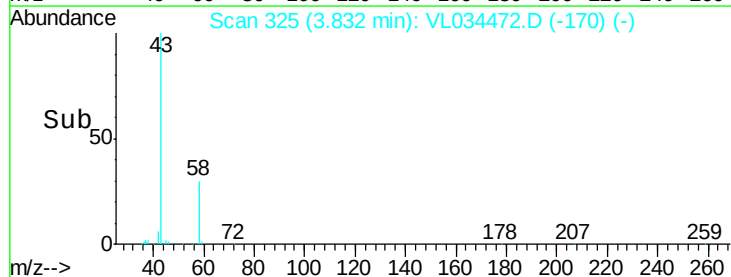
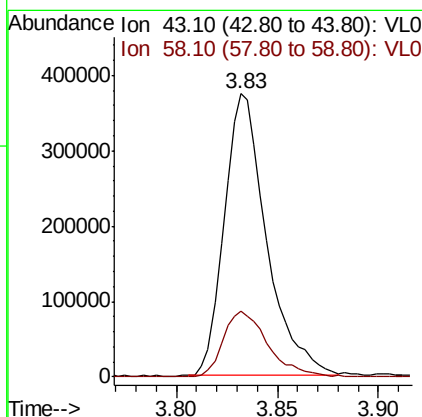
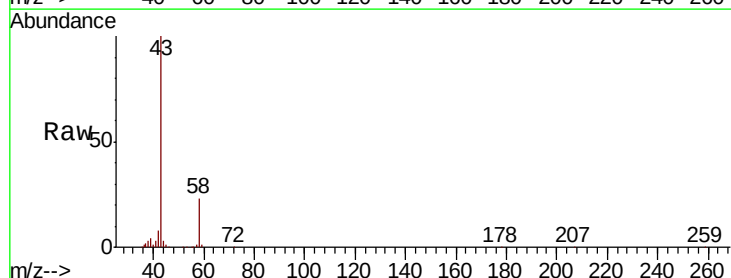
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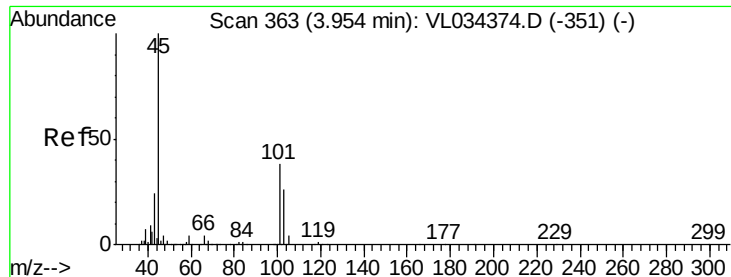
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#15
Acetone
Concen: 4.615 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.00 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion: 43 Resp: 546842
Ion Ratio Lower Upper
43 100
58 25.2 20.2 30.4





#19

Isopropyl Alcohol

Concen: 3.745 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Instrument :

MSVOA_L

ClientSampled :

IA-HW

Tot Ion: 45 Resp: 284400

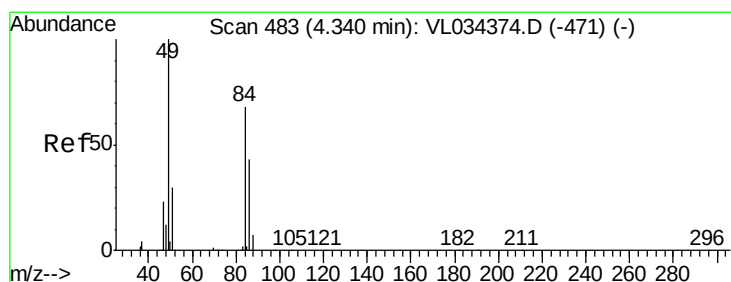
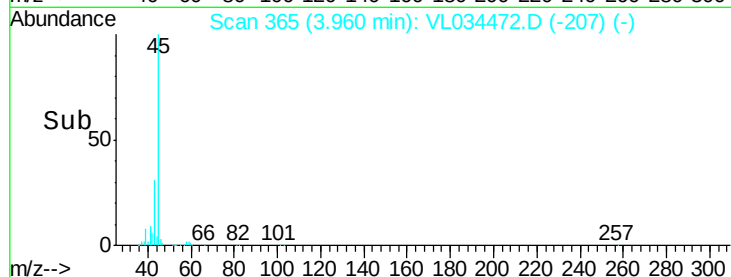
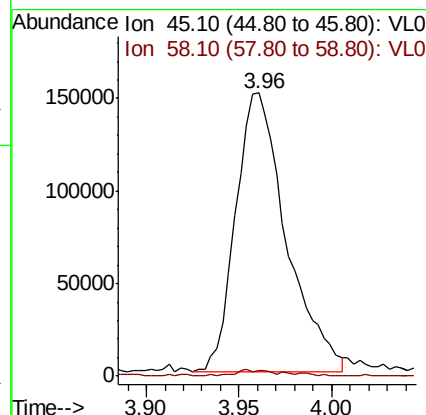
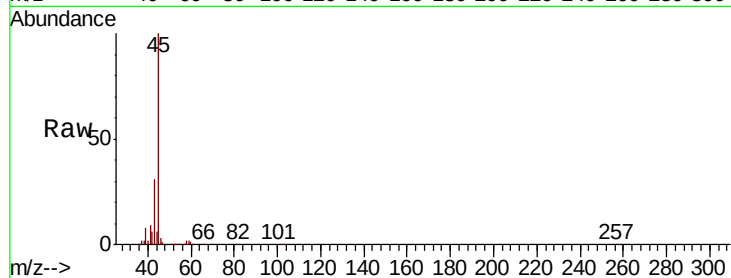
Ion Ratio Lower Upper

45 100

58 2.1 1.3 1.9#

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#20

Methylene Chloride

Concen: 0.750 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.01 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Tgt Ion: 84 Resp: 31500

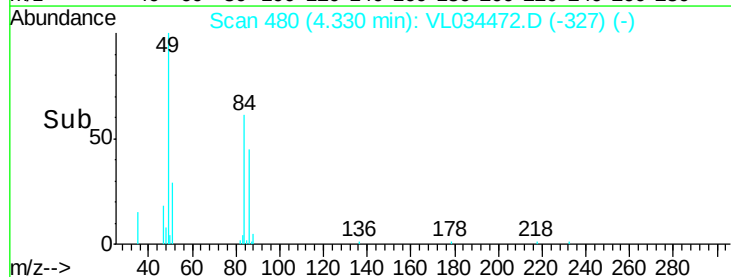
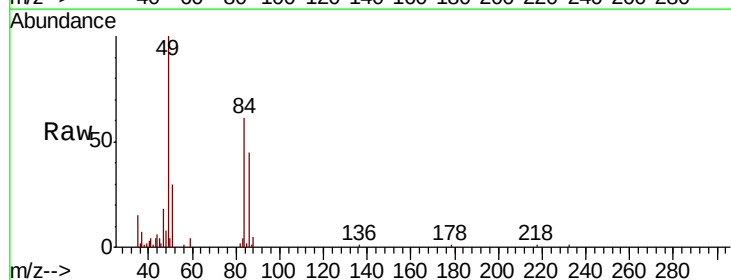
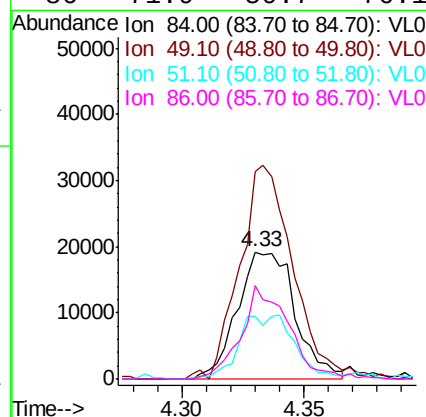
Ion Ratio Lower Upper

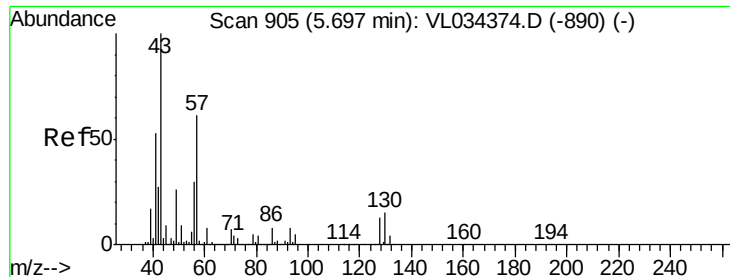
84 100

49 155.5 116.8 175.2

51 47.0 35.6 53.4

86 71.9 50.7 76.1





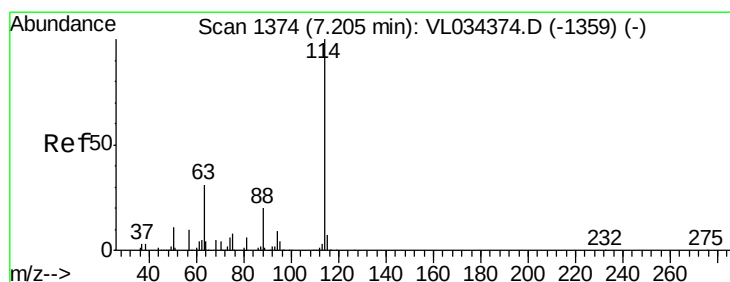
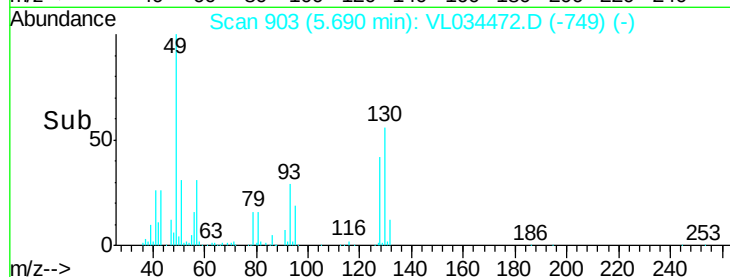
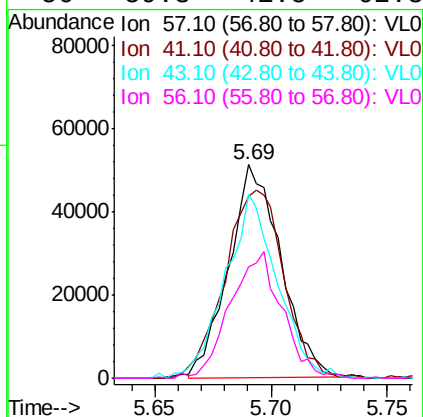
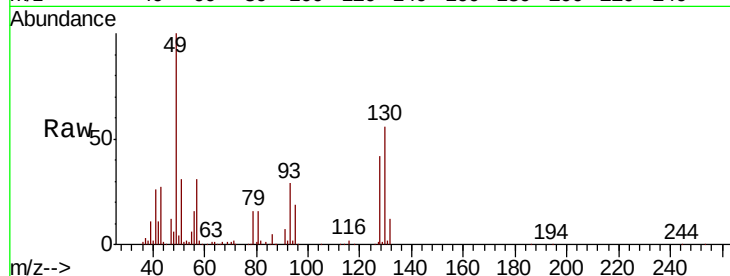
#26
Hexane
Concen: 0.874 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampled :
IA-HW

Tot Ion	Ratio	Lower	Upper
57	100		
41	101.7	75.0	112.4
43	87.7	186.6	279.8#
56	59.3	41.5	62.3

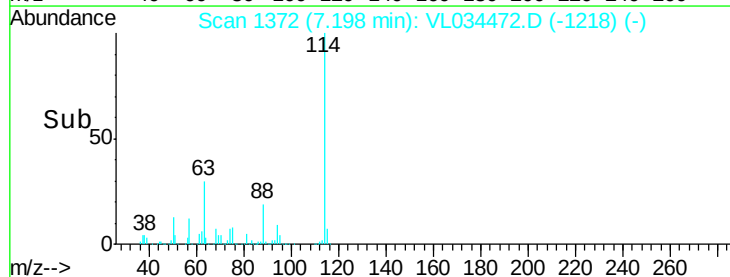
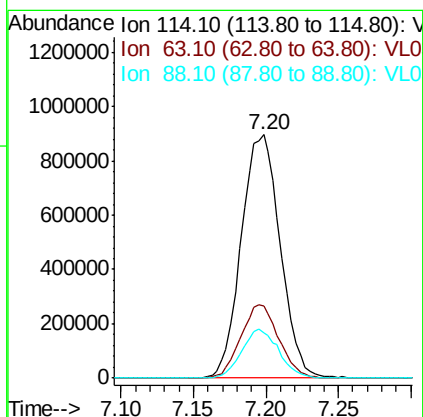
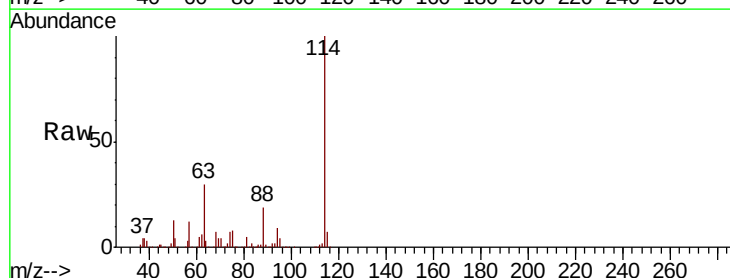
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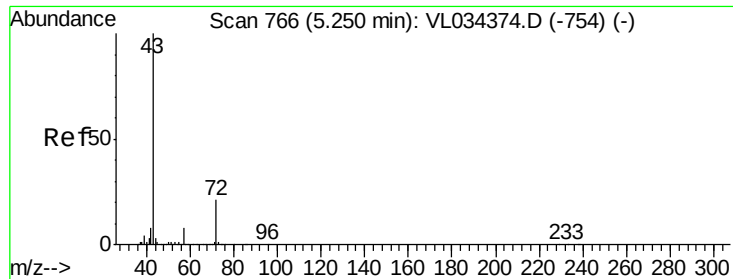
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.20 min Scan# 1372
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	29.5	24.2	36.4
88	19.2	15.9	23.9





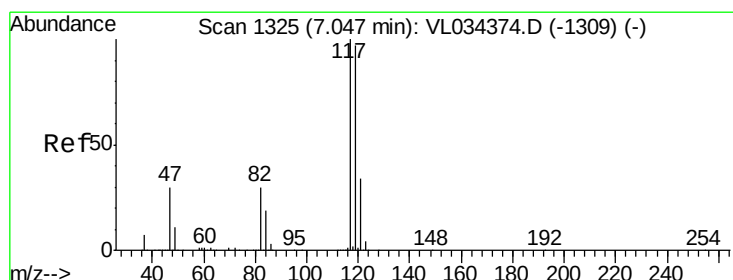
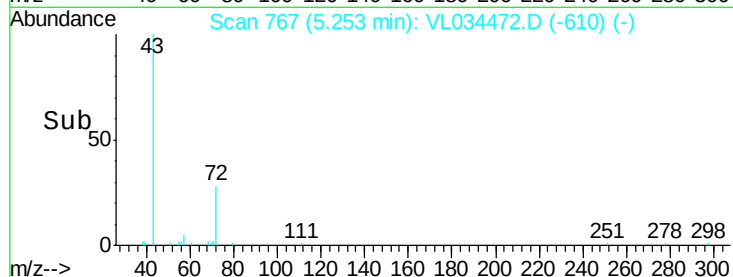
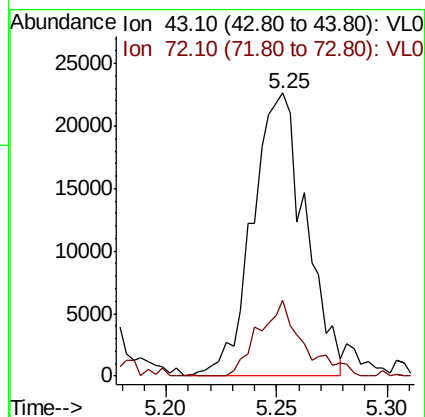
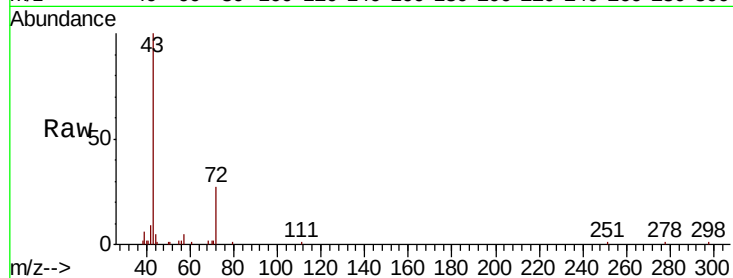
#34
2-Butanone
Concen: 0.273 ppbv
RT: 5.25 min Scan# 767
Delta R.T. 0.00 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampled :
IA-HW

Tot Ion: 43 Resp: 37656
Ion Ratio Lower Upper
43 100
72 22.9 17.0 25.6

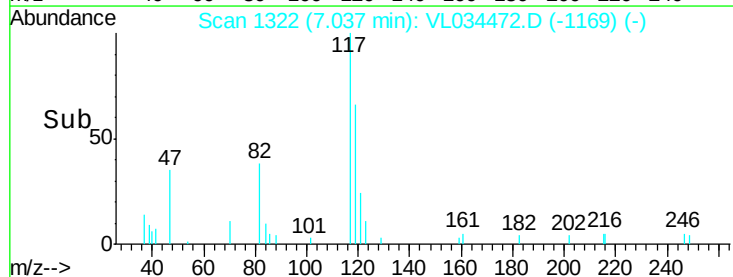
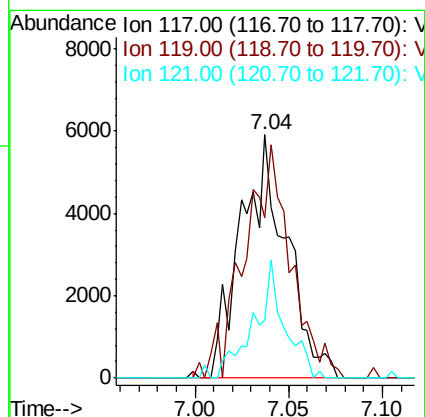
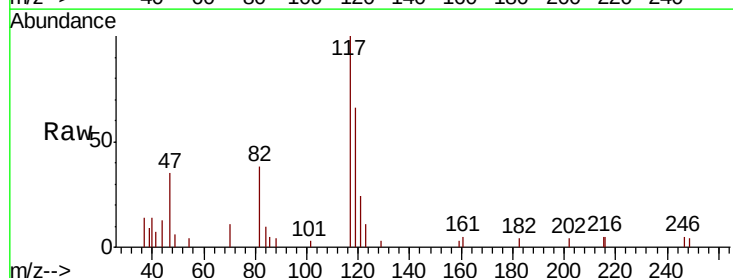
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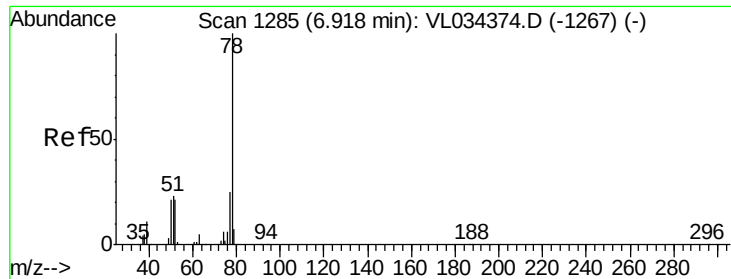
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#35
Carbon Tetrachloride
Concen: 0.070 ppbv m
RT: 7.04 min Scan# 1322
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion: 117 Resp: 10012
Ion Ratio Lower Upper
117 100
119 66.1 77.3 115.9#
121 24.0 27.4 41.2#





#36

Benzene

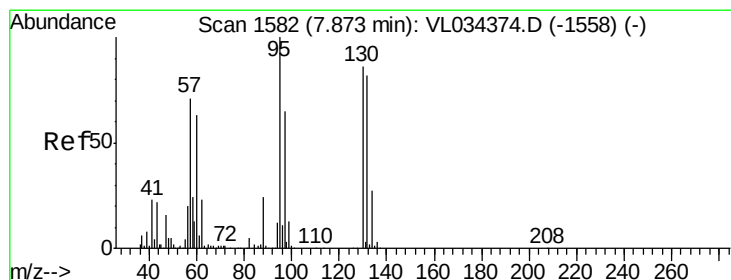
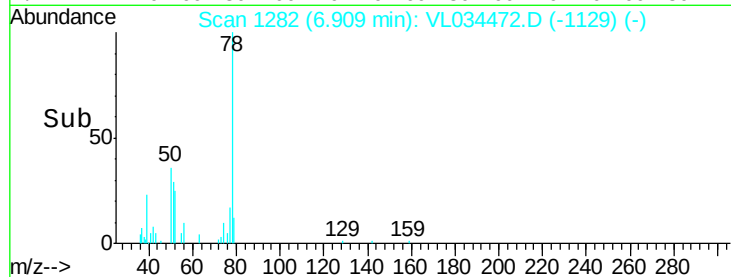
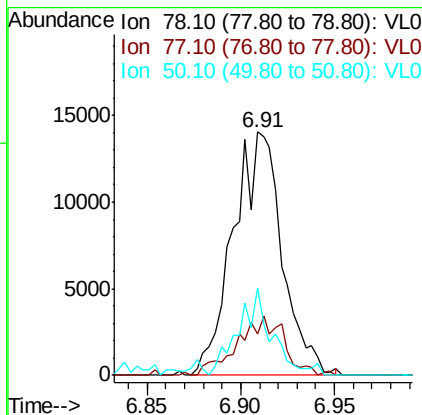
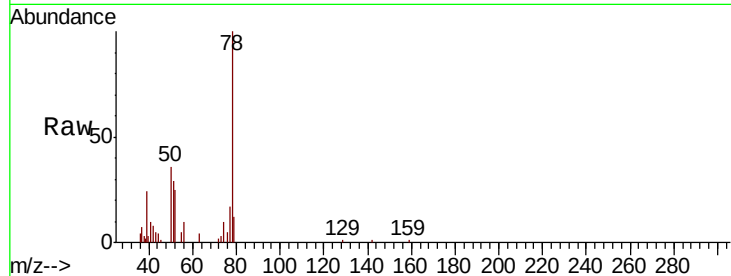
Concen: 0.152 ppbv m
RT: 6.91 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampleId :
IA-HW

Tot Ion	Ratio	Lower	Upper
78	100		
77	16.7	20.2	30.4#
50	36.0	17.1	25.7#

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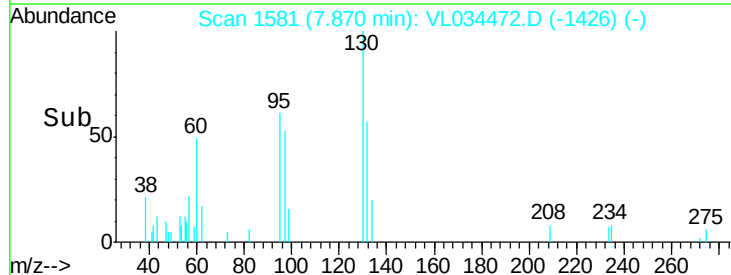
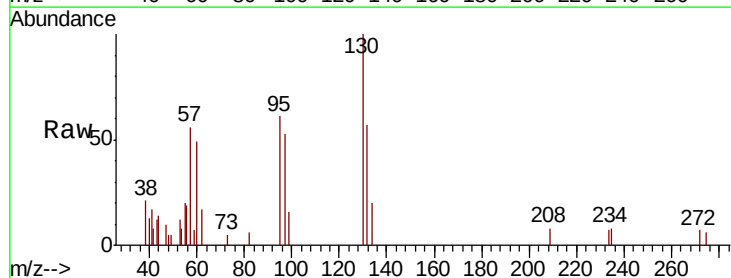
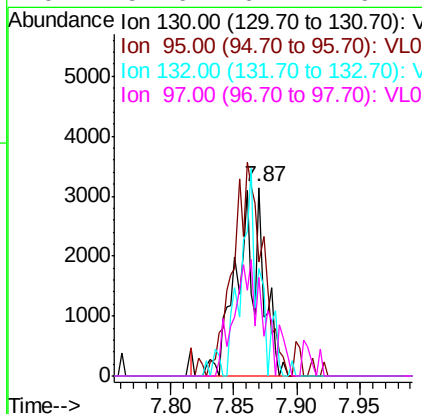


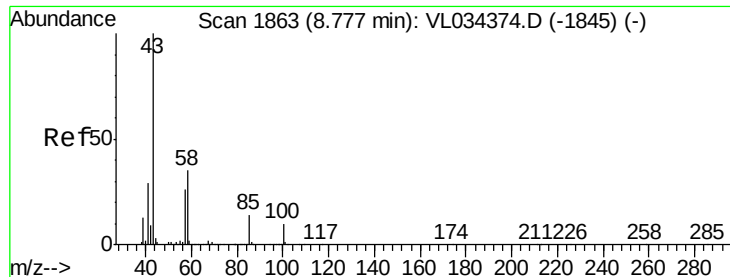
#38

Trichloroethene

Concen: 0.062 ppbv m
RT: 7.87 min Scan# 1581
Delta R.T. -0.00 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion	Ratio	Lower	Upper
130	100		
95	60.8	93.4	140.0#
132	57.1	76.4	114.6#
97	52.6	61.1	91.7#





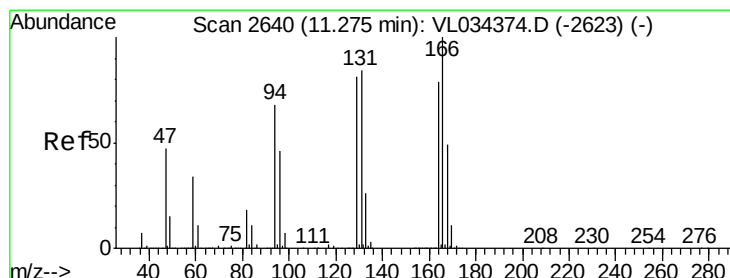
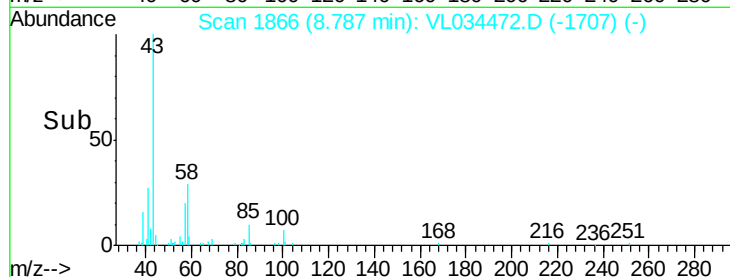
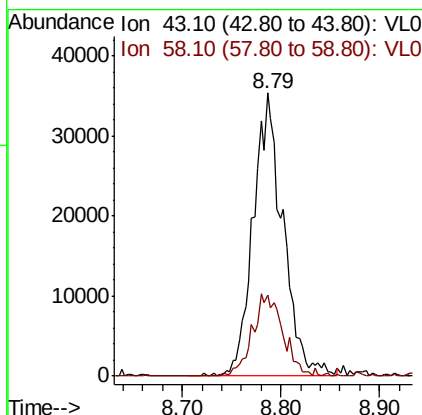
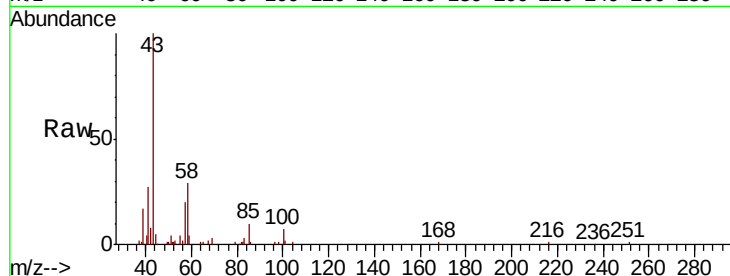
#50
4-Methyl-2-Pentanone
Concen: 0.372 ppbv m
RT: 8.79 min Scan# 1866
Delta R.T. 0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampleId :
IA-HW

Tot Ion: 43 Resp: 74177
Ion Ratio Lower Upper
43 100
58 29.8 27.9 41.9

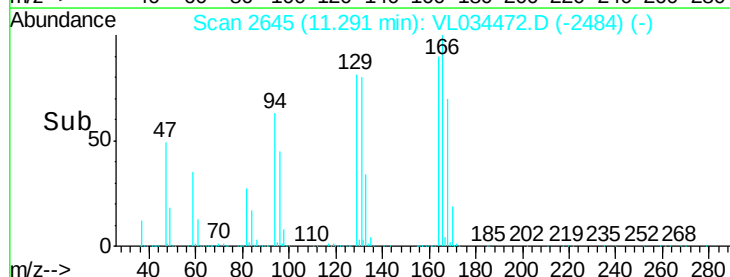
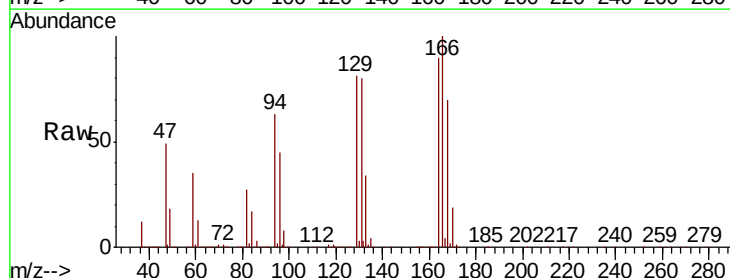
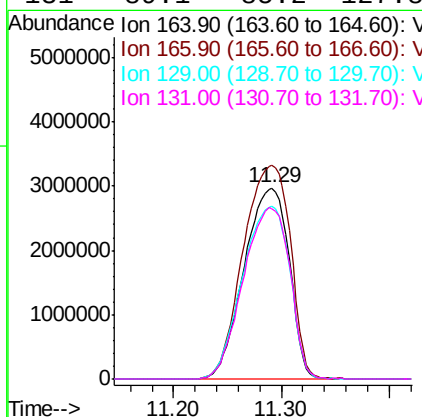
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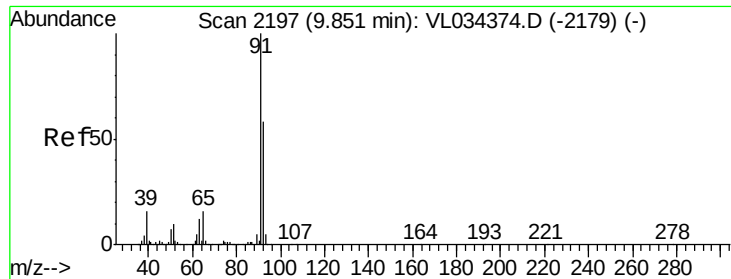
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#52
Tetrachloroethene
Concen: 119.057 ppbv
RT: 11.29 min Scan# 2645
Delta R.T. 0.02 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion: 164 Resp: 8625128
Ion Ratio Lower Upper
164 100
166 111.7 101.7 152.5
129 90.1 82.6 123.8
131 89.1 85.2 127.8





#53

Toluene

Concen: 1.531 ppbv

RT: 9.84 min Scan# 2195

Delta R.T. -0.01 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

Instrument :

MSVOA_L

ClientSampled :

IA-HW

Tot Ion: 91 Resp: 291119

Ion Ratio Lower Upper

91 100

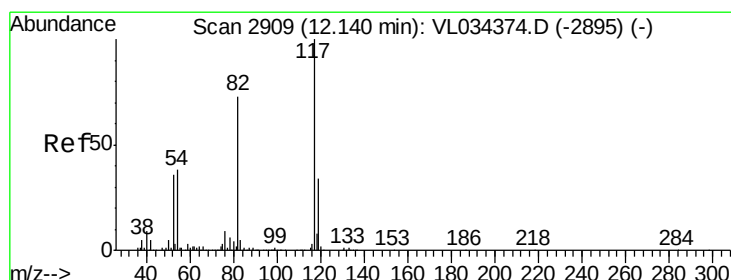
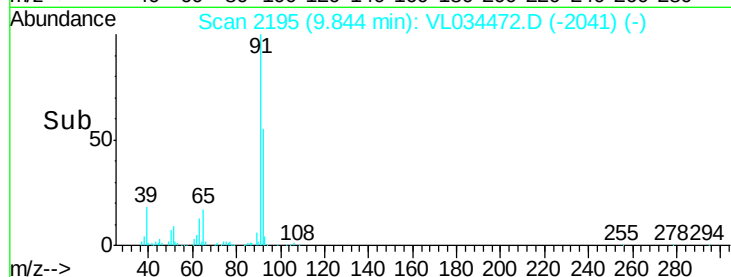
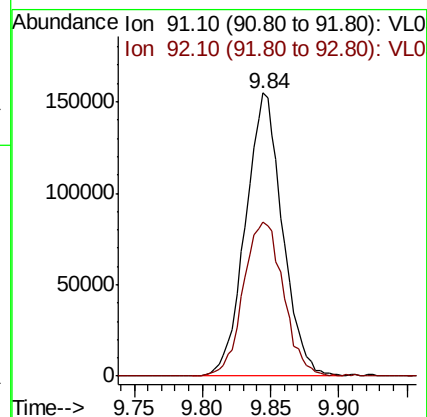
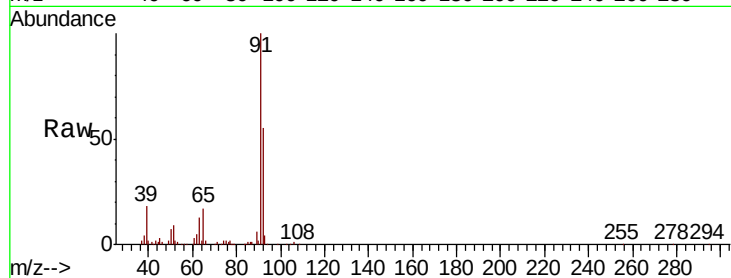
92 59.0 47.9 71.9

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2909

Delta R.T. 0.00 min

Lab File: VL034472.D

Acq: 9 Dec 2019 20:07

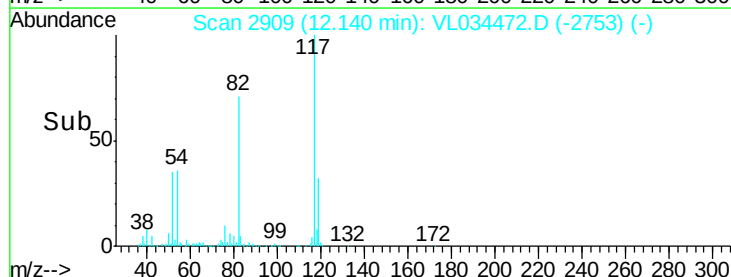
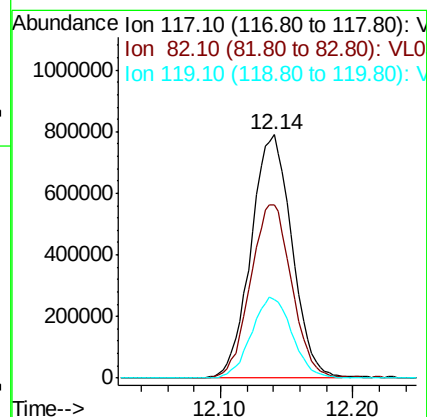
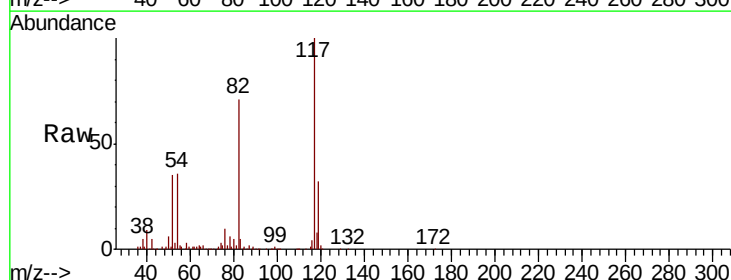
Tgt Ion: 117 Resp: 1699777

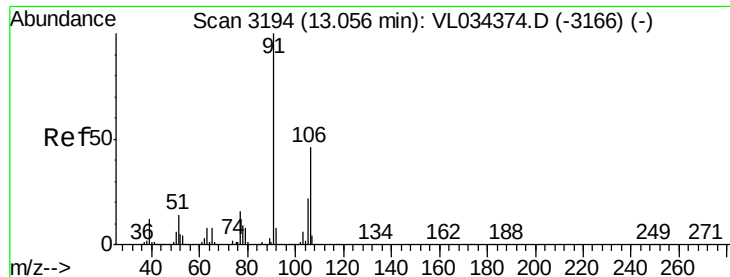
Ion Ratio Lower Upper

117 100

82 72.0 57.5 86.3

119 33.1 25.4 38.2





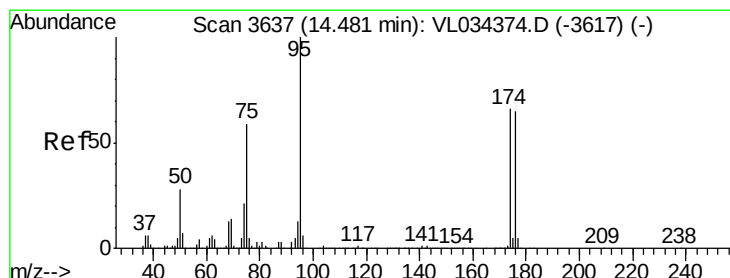
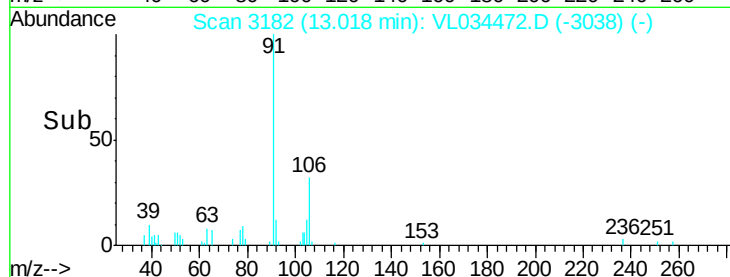
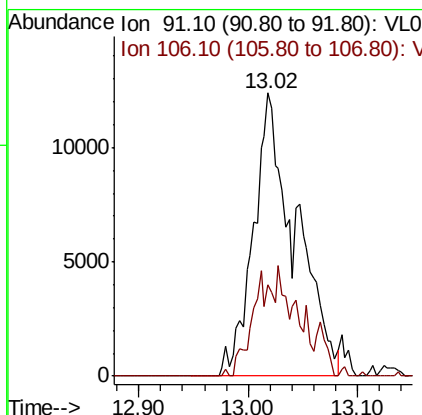
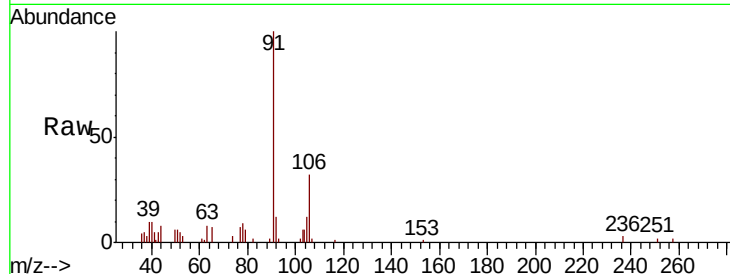
#59
m/p-Xylene
Concen: 0.145 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. -0.04 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Instrument :
MSVOA_L
ClientSampled :
IA-HW

Tot Ion: 91 Resp: 33107
Ion Ratio Lower Upper
91 100
106 0.0 34.6 51.8#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.096 ppbv
RT: 14.47 min Scan# 3634
Delta R.T. -0.01 min
Lab File: VL034472.D
Acq: 9 Dec 2019 20:07

Tgt Ion: 95 Resp: 1443775
Ion Ratio Lower Upper
95 100
174 64.6 52.2 78.2
175 4.6 3.8 5.8

