

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091019\
 Data File : VL034152.D
 Acq On : 10 Sep 2019 21:07
 Operator : SY/AP
 Sample : K4775-04DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:05 AM

Quant Time: Sep 11 04:01:51 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 0
 QLast Update : Thu Sep 05 10:21:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	658467	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.22	114	1298632	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1277957	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1070498	10.25	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	46791	1.139	ppbv	98
13) Ethanol	3.61	45	14631m	1.819	ppbv	
15) Acetone	3.85	43	1774535	22.361	ppbv	98
17) tert-Butyl alcohol	4.32	59	14148m	0.246	ppbv	
19) Isopropyl Alcohol	3.99	45	35692	0.666	ppbv #	97
26) Hexane	5.72	57	15458m	0.200	ppbv	
34) 2-Butanone	5.28	43	137849	1.104	ppbv	100
51) 2-Hexanone	10.21	43	28574m	0.174	ppbv	
52) Tetrachloroethene	11.30	164	12240m	0.234	ppbv	
53) Toluene	9.88	91	42321m	0.258	ppbv	
59) m/p-Xylene	13.05	91	19652m	0.115	ppbv	

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

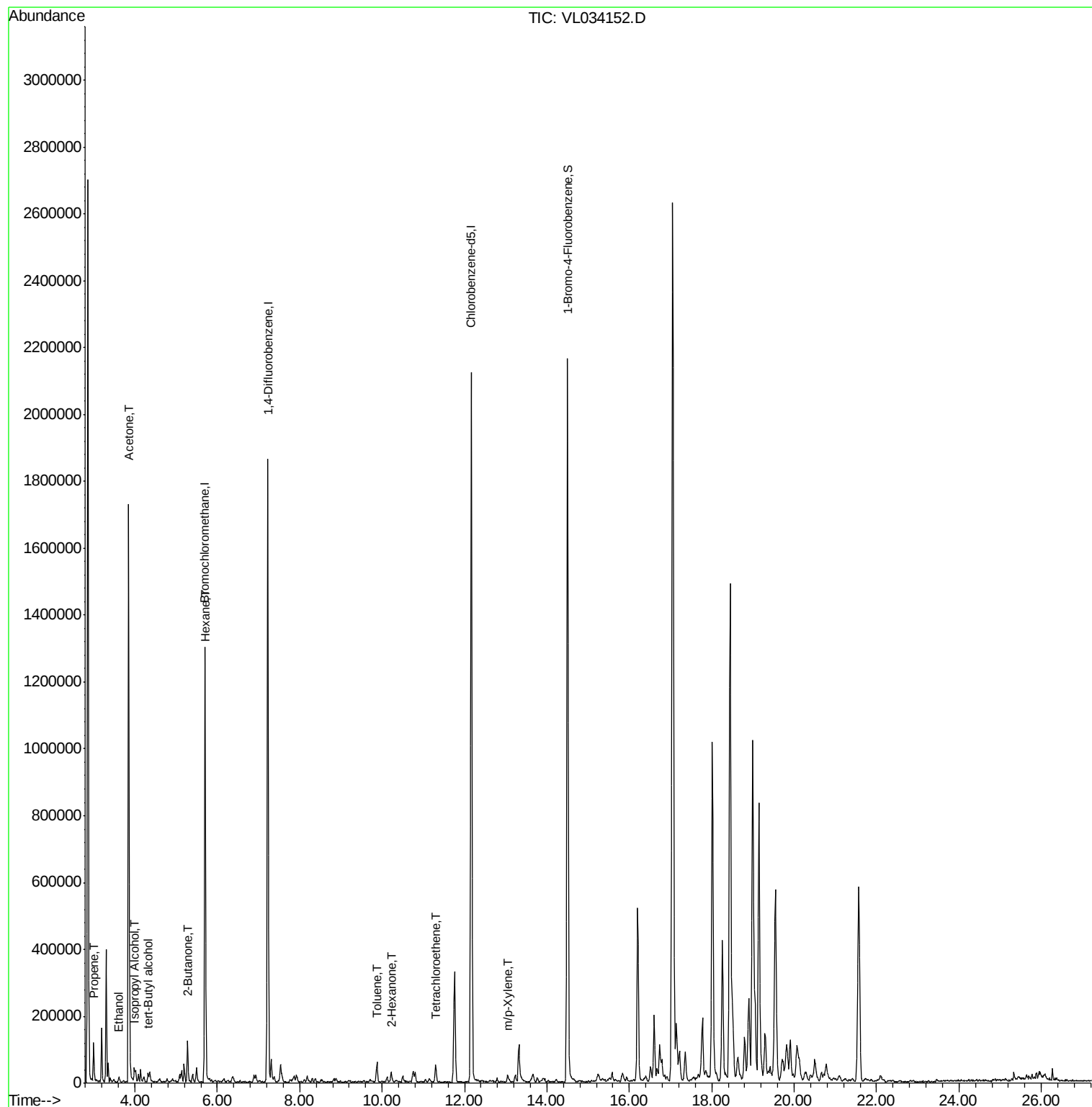
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091019\
Data File : VL034152.D
Acq On : 10 Sep 2019 21:07
Operator : SY/AP
Sample : K4775-04DL2 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

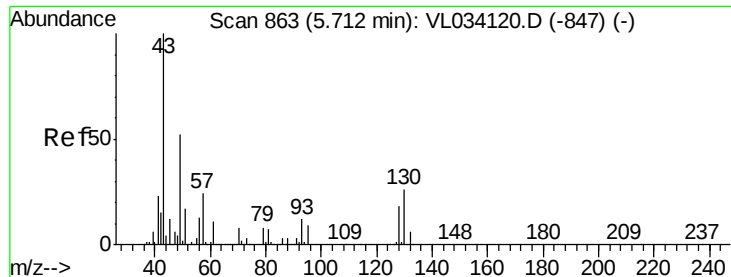
Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Manual Integrations
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9/12/2019 5:17:05 AM

Quant Time: Sep 11 04:01:51 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL090519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep
QLast Update : Thu Sep 05 10:21:45 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 906

Delta R.T. -0.01 min

Lab File: VL034152.D

Acq: 10 Sep 2019 21:07

Instrument :

MSVOA_L

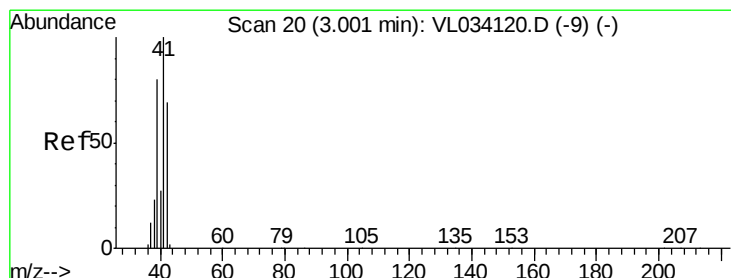
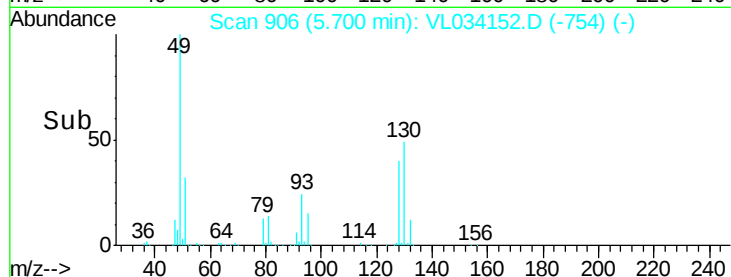
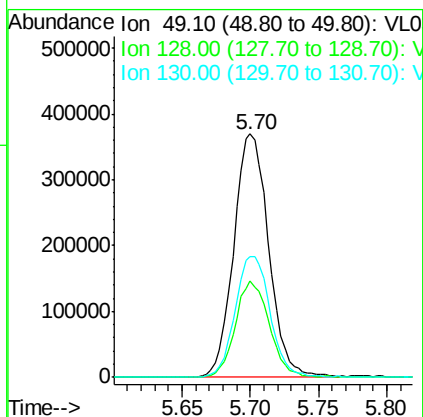
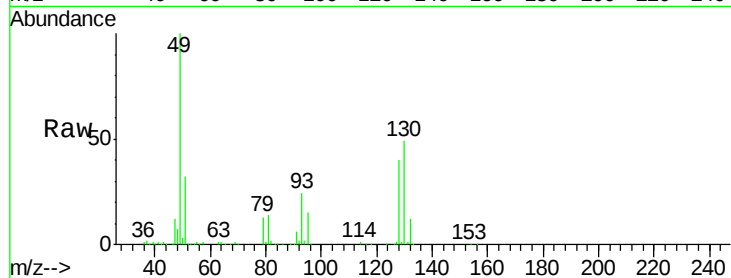
ClientSampled :

SV4DL2

Tot Ion:	49	Resp:	658467
Ion	Ratio	Lower	Upper
49	100		
128	39.0	18.4	55.0
130	50.3	23.5	70.6

Manual Integrations
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#9

Propene

Concen: 1.139 ppbv

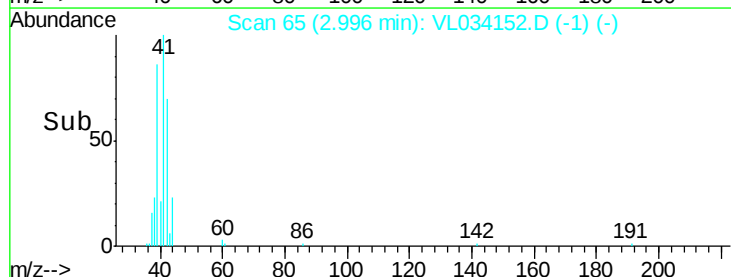
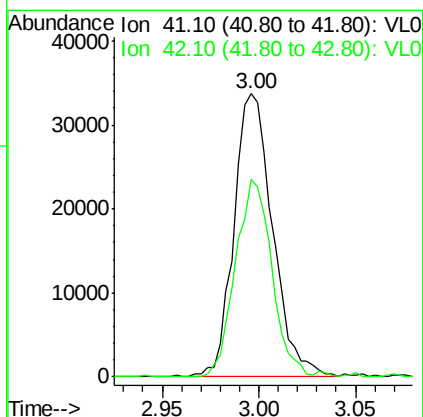
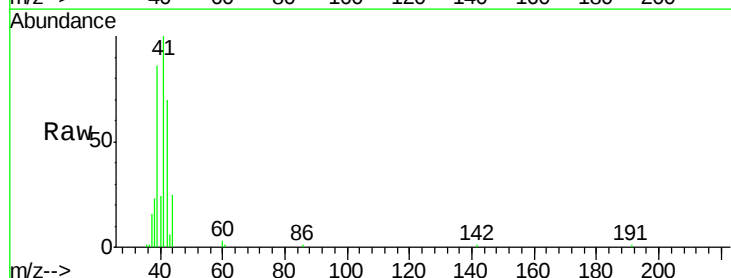
RT: 3.00 min Scan# 65

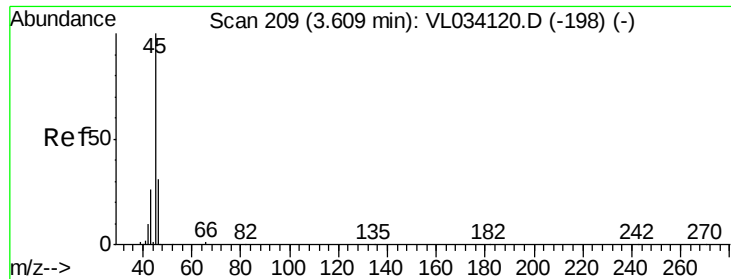
Delta R.T. -0.01 min

Lab File: VL034152.D

Acq: 10 Sep 2019 21:07

Tgt Ion:	41	Resp:	46791
Ion	Ratio	Lower	Upper
41	100		
42	66.2	54.6	81.8





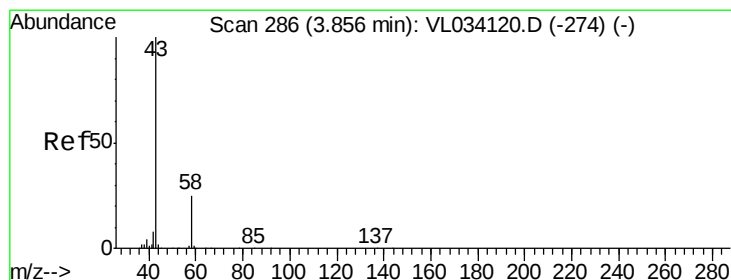
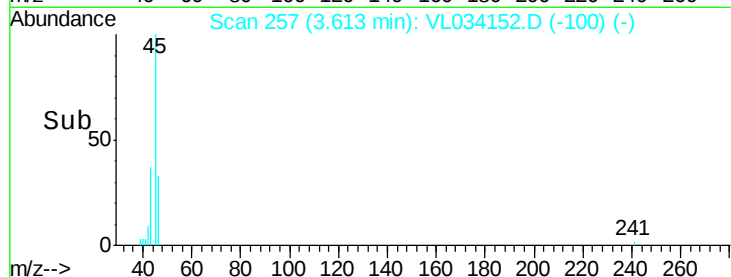
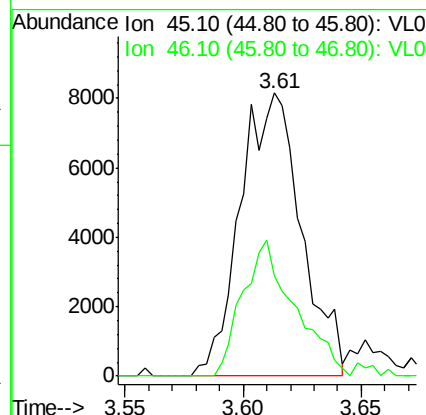
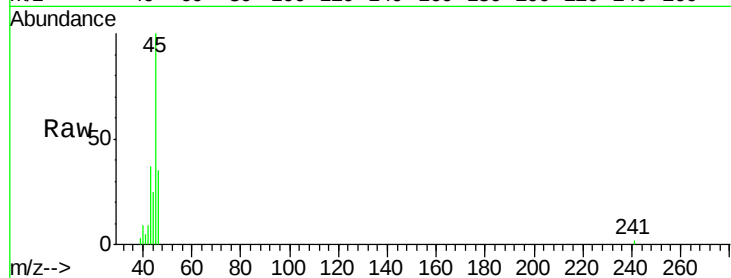
#13
Ethanol
Concen: 1.819 ppbv m
RT: 3.61 min Scan# 257
Delta R.T. 0.00 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	45	Resp	14631
Ion Ratio	100	Lower	Upper
46	0.0	15.0	60.0#

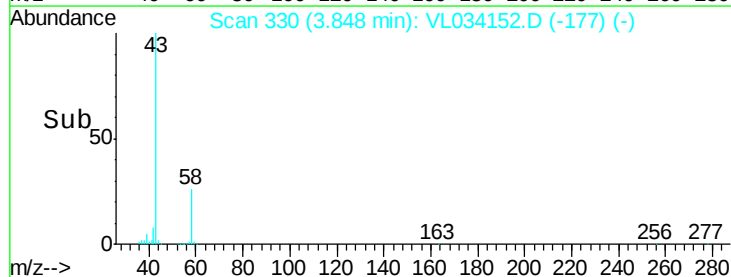
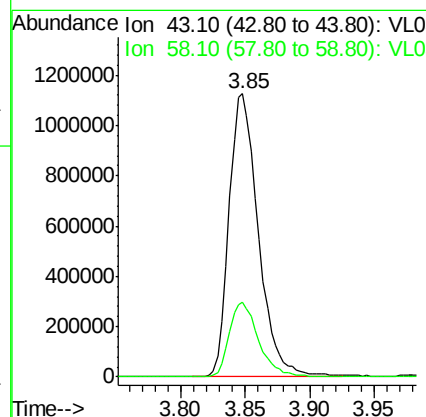
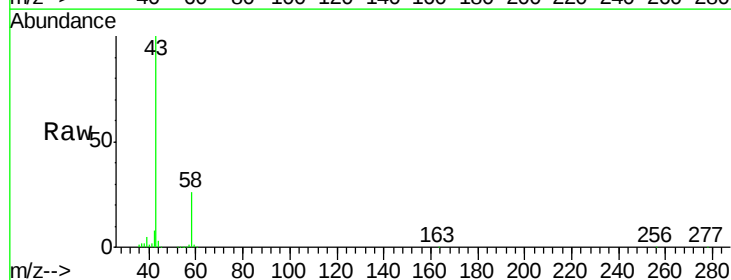
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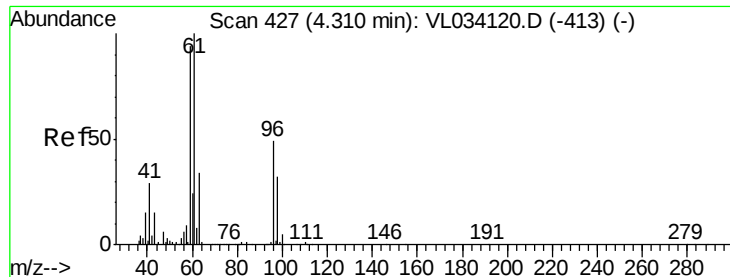
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#15
Acetone
Concen: 22.361 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.01 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Tgt Ion	43	Resp	1774535
Ion Ratio	100	Lower	Upper
58	26.7	20.6	30.8





#17

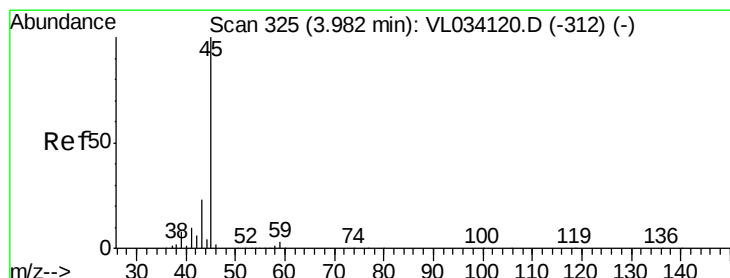
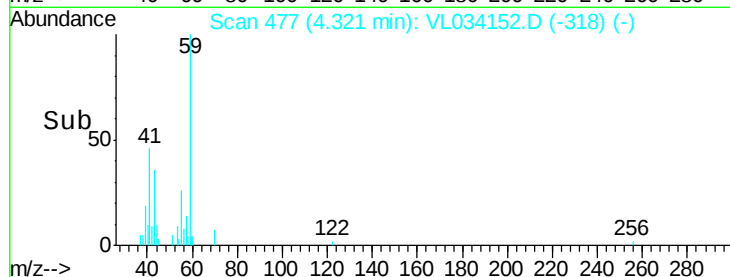
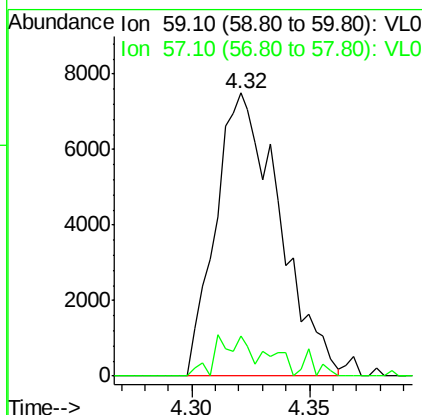
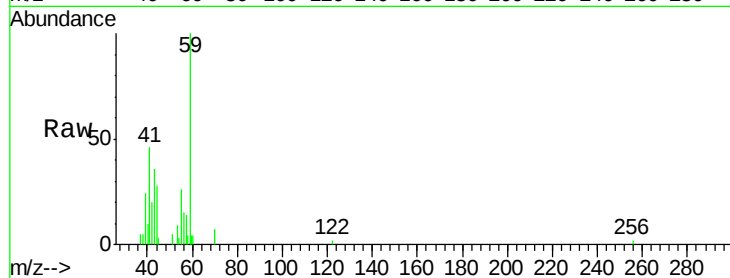
tert-Butyl alcohol
 Concen: 0.246 ppbv
 RT: 4.32 min Scan# 477
 Delta R.T. 0.01 min
 Lab File: VL034152.D
 Acq: 10 Sep 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.6	8.6	12.8

Manual Integrations
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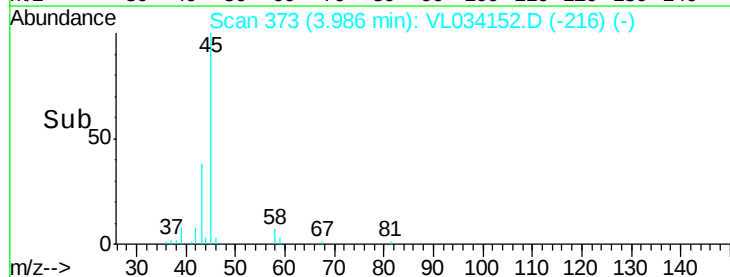
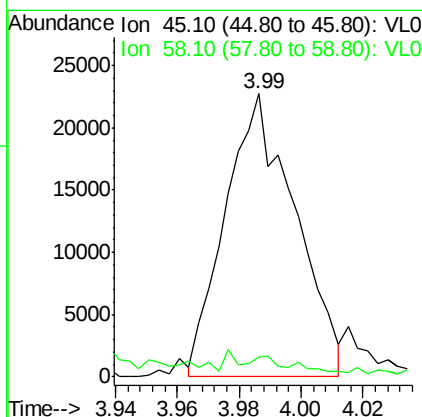
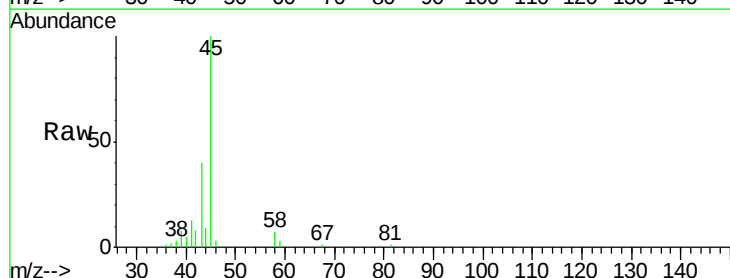
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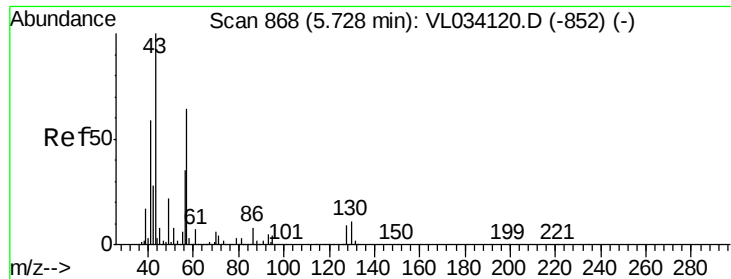


#19

Isopropyl Alcohol
 Concen: 0.666 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.00 min
 Lab File: VL034152.D
 Acq: 10 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	1.0	1.6#





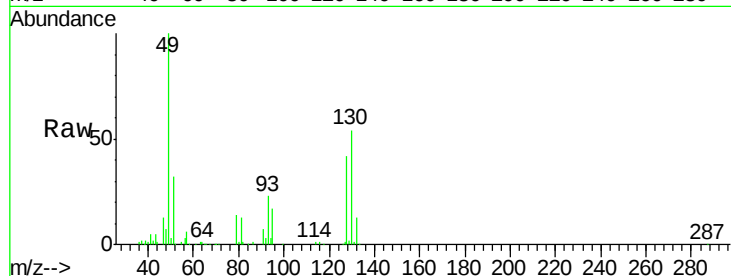
#26
Hexane
Concen: 0.200 ppbv m
RT: 5.72 min Scan# 911
Delta R.T. -0.01 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	Ratio	Lower	Upper
57	100		
41	0.0	76.6	115.0#
43	91.8	189.2	283.8#
56	0.0	43.0	64.4#

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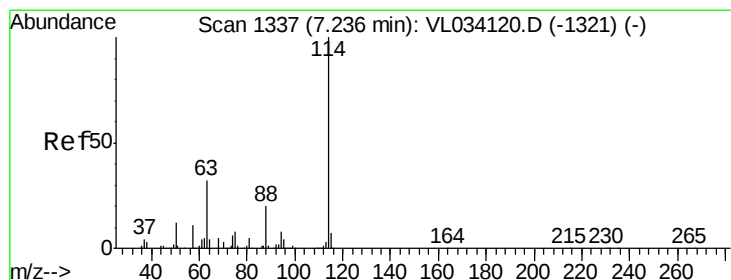
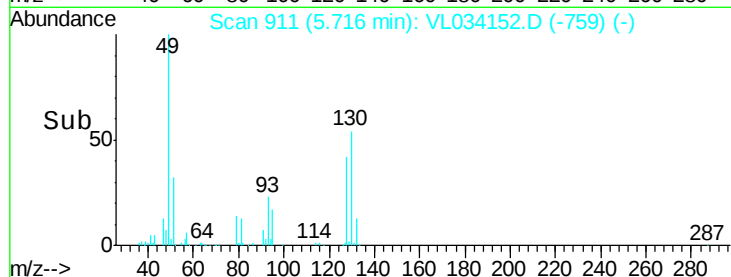
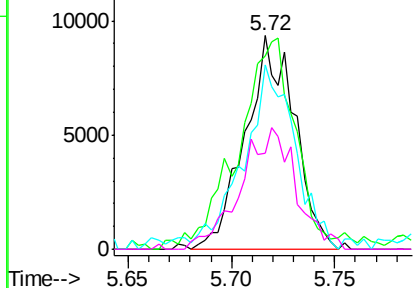


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

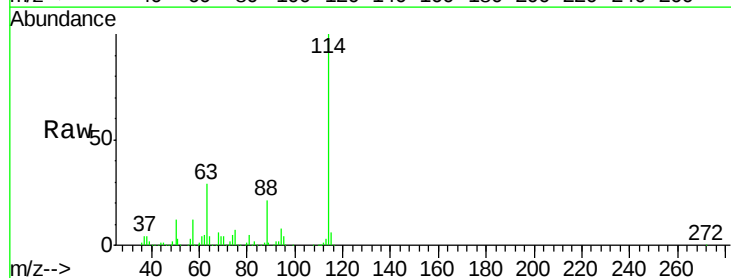
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1380
Delta R.T. -0.01 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

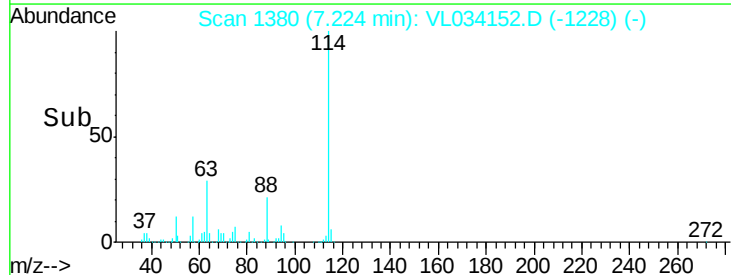
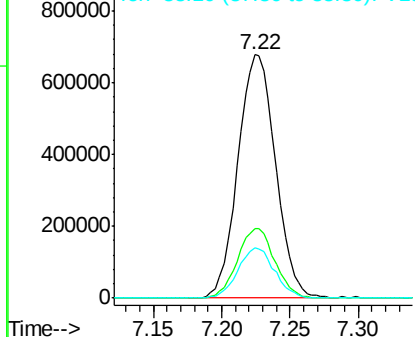
Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.6	25.5	38.3
88	20.1	16.8	25.2

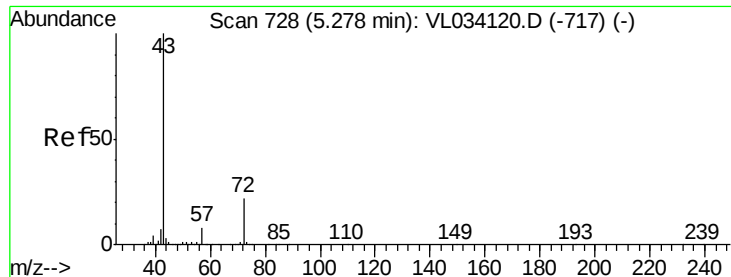


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





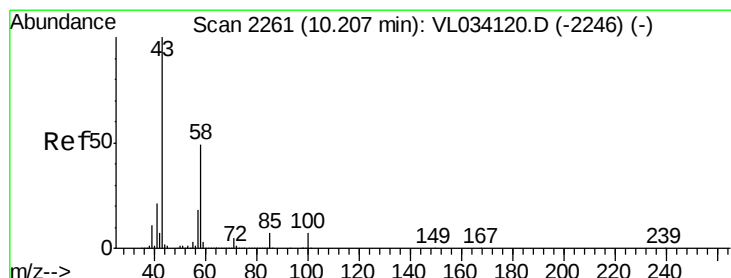
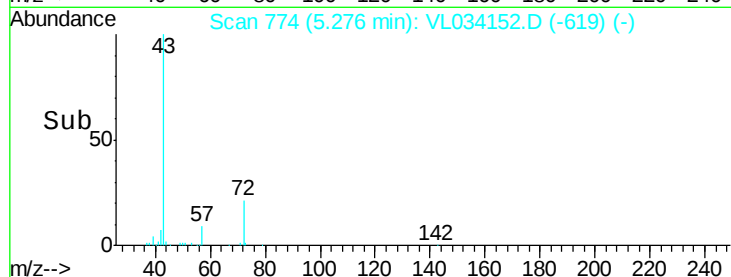
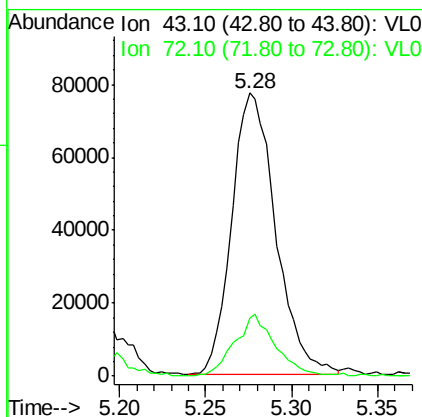
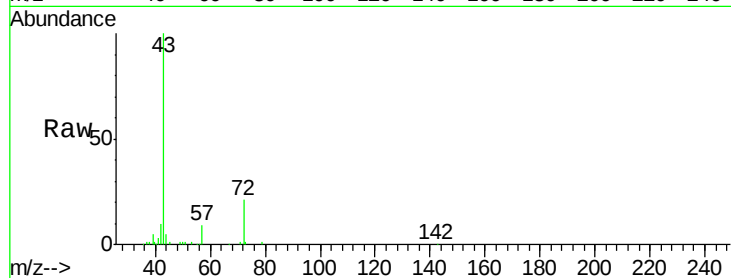
#34
2-Butanone
Concen: 1.104 ppbv
RT: 5.28 min Scan# 774
Delta R.T. -0.00 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	43	Resp	137849
Ion Ratio	Lower	Upper	
43	100		
72	20.7	16.5	24.7

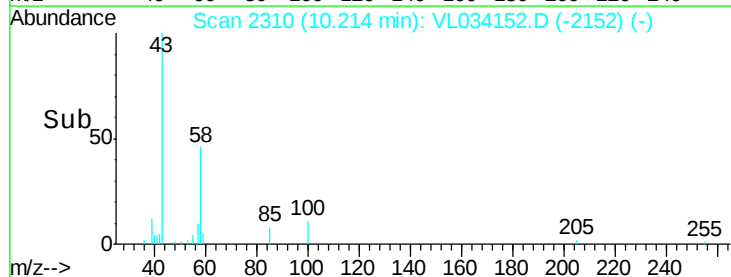
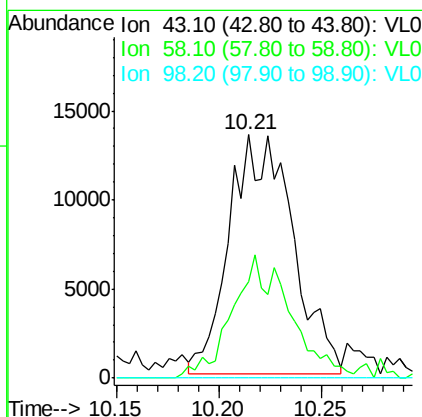
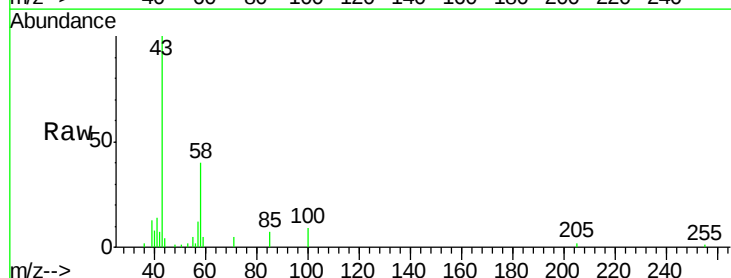
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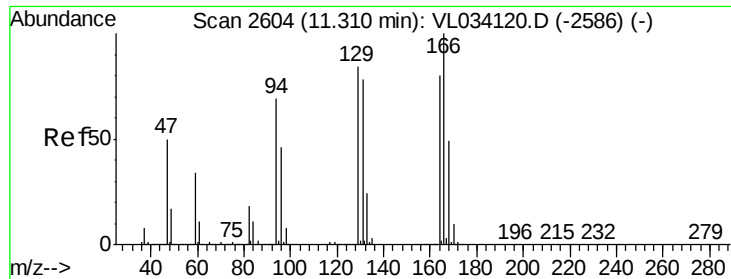
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#51
2-Hexanone
Concen: 0.174 ppbv m
RT: 10.21 min Scan# 2310
Delta R.T. 0.01 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Tgt Ion	43	Resp	28574
Ion Ratio	Lower	Upper	
43	100		
58	0.0	38.2	57.2#
98	0.0	0.1	0.1#





#52

Tetrachloroethene

Concen: 0.234 ppbv m

RT: 11.30 min Scan# 2647

Delta R.T. -0.01 min

Lab File: VL034152.D

Acq: 10 Sep 2019 21:07

Instrument :

MSVOA_L

ClientSampleId :

SV4DL2

Tot Ion:164 Resp: 12240

Ion Ratio Lower Upper

164 100

166 112.8 99.5 149.3

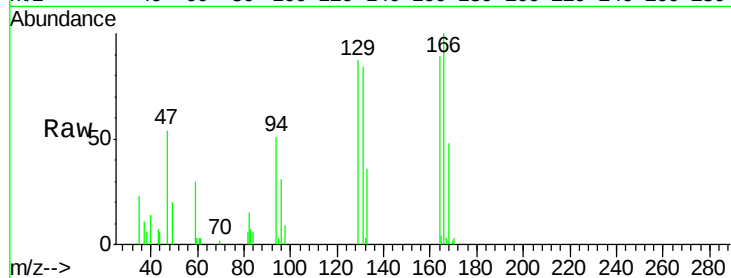
129 97.7 83.6 125.4

131 94.3 77.9 116.9

Manual Integrations
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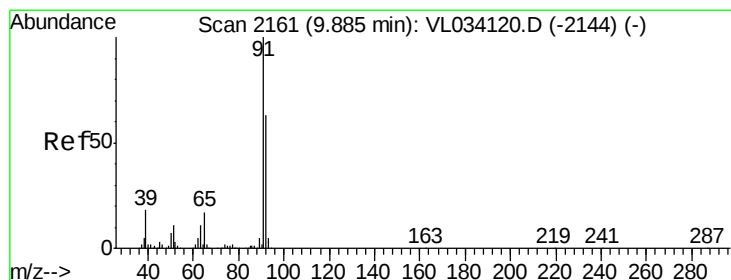
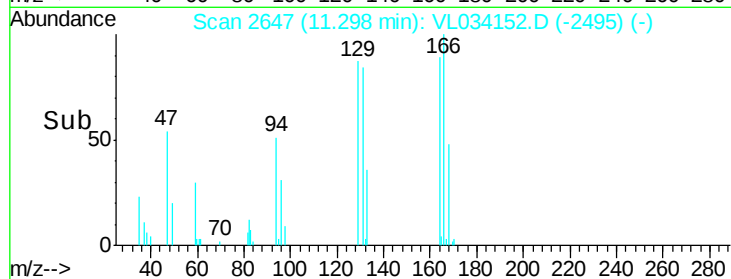
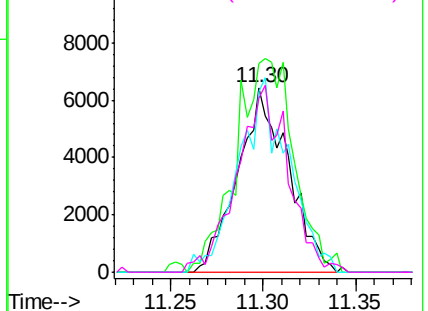


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.258 ppbv m

RT: 9.88 min Scan# 2205

Delta R.T. -0.01 min

Lab File: VL034152.D

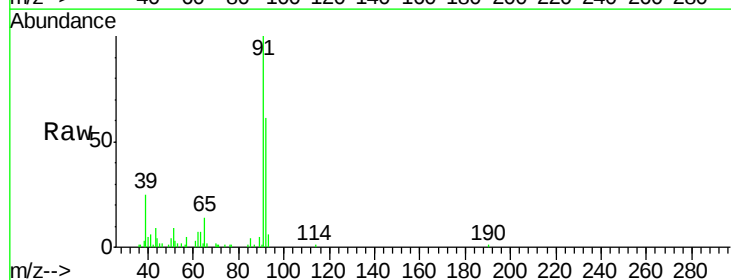
Acq: 10 Sep 2019 21:07

Tgt Ion: 91 Resp: 42321

Ion Ratio Lower Upper

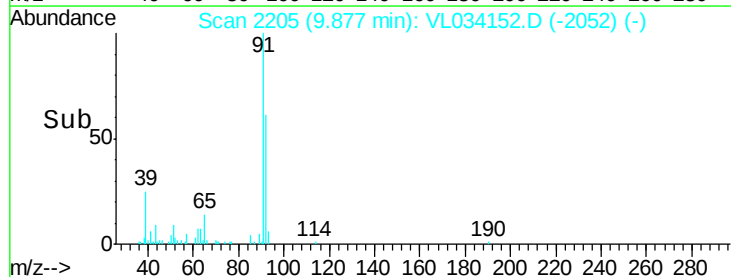
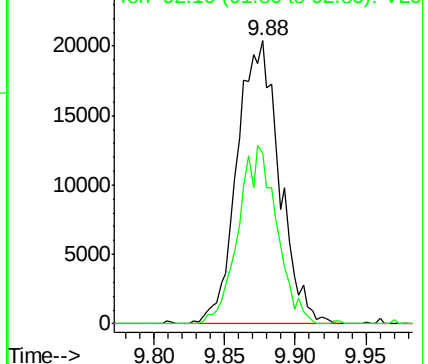
91 100

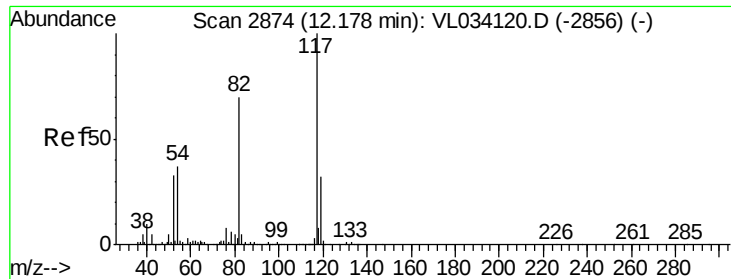
92 57.2 49.3 73.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





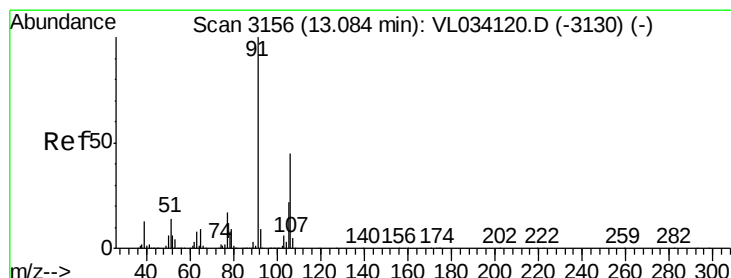
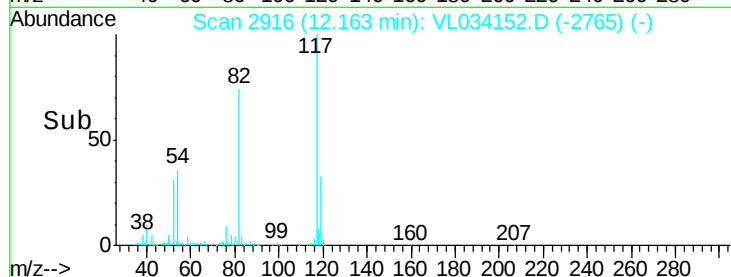
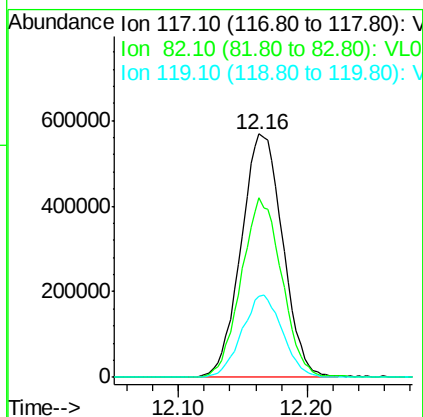
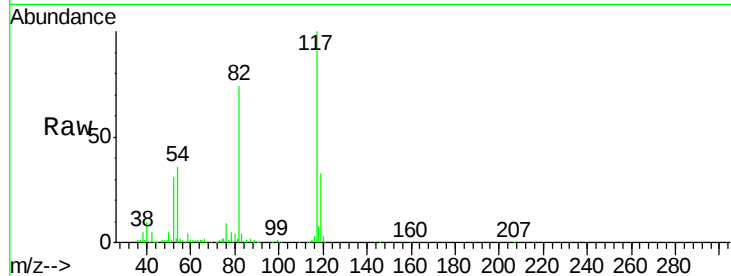
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Instrument :
MSVOA_L
ClientSampleId :
SV4DL2

Tot Ion	Ratio	Lower	Upper
117	100		
82	72.4	55.8	83.6
119	32.9	43.1	64.7#

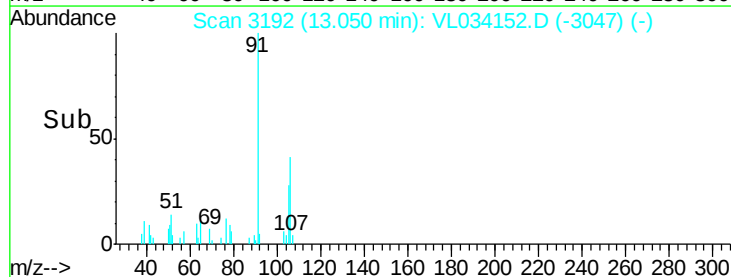
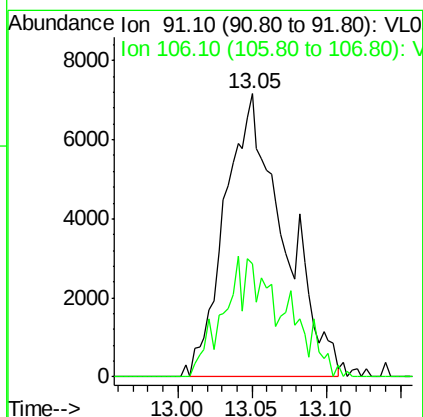
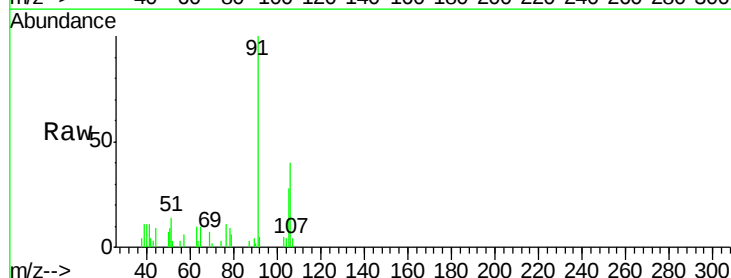
Manual Integrations
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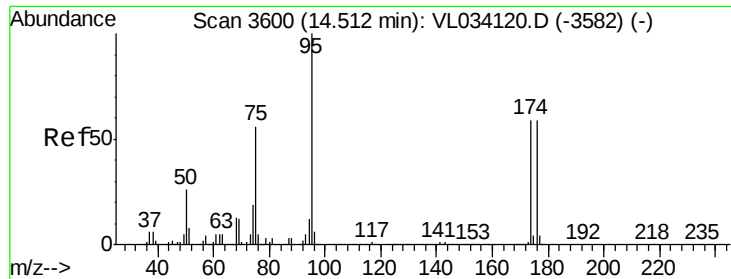
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#59
m/p-Xylene
Concen: 0.115 ppbv m
RT: 13.05 min Scan# 3192
Delta R.T. -0.03 min
Lab File: VL034152.D
Acq: 10 Sep 2019 21:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.4	53.2#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.246 ppbv
 RT: 14.50 min Scan# 3644
 Delta R.T. -0.01 min
 Lab File: VL034152.D
 Acq: 10 Sep 2019 21:07

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL2

Tot Ion: 95 Resp: 1070498
 Ion Ratio Lower Upper
 95 100
 174 62.5 48.1 72.1
 175 4.5 3.5 5.3

Manual Integrations
 APPROVED

MMDadoda
 9/12/2019 5:17:05 AM

