

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034334.D
 Acq On : 18 Oct 2019 2:39
 Operator : SY/AP
 Sample : K5409-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Manual Integrations
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 10/22/2019 2:56:13 PM

Quant Time: Oct 20 19:18:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 18 19:18:27 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	826671	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.21	114	1753942	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.15	117	1780373	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.49	95	1449289	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	93953	2.187	ppbv	89
13) Ethanol	3.62	45	11243m	1.169	ppbv	
15) Acetone	3.84	43	1685079	14.251	ppbv	98
30) Cyclohexane	7.17	84	16457m	0.263	ppbv	
31) cis-1,2-Dichloroethene	5.57	61	9611m	0.111	ppbv	
34) 2-Butanone	5.27	43	58209	0.406	ppbv	95
38) Trichloroethene	7.88	130	17192m	0.255	ppbv	
52) Tetrachloroethene	11.29	164	708497	10.741	ppbv	97
53) Toluene	9.86	91	107296	0.578	ppbv	97
58) Ethyl Benzene	12.78	91	27026m	0.109	ppbv	
59) m/p-Xylene	13.03	91	80766m	0.375	ppbv	
60) o-Xylene	13.75	91	28806m	0.134	ppbv	

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

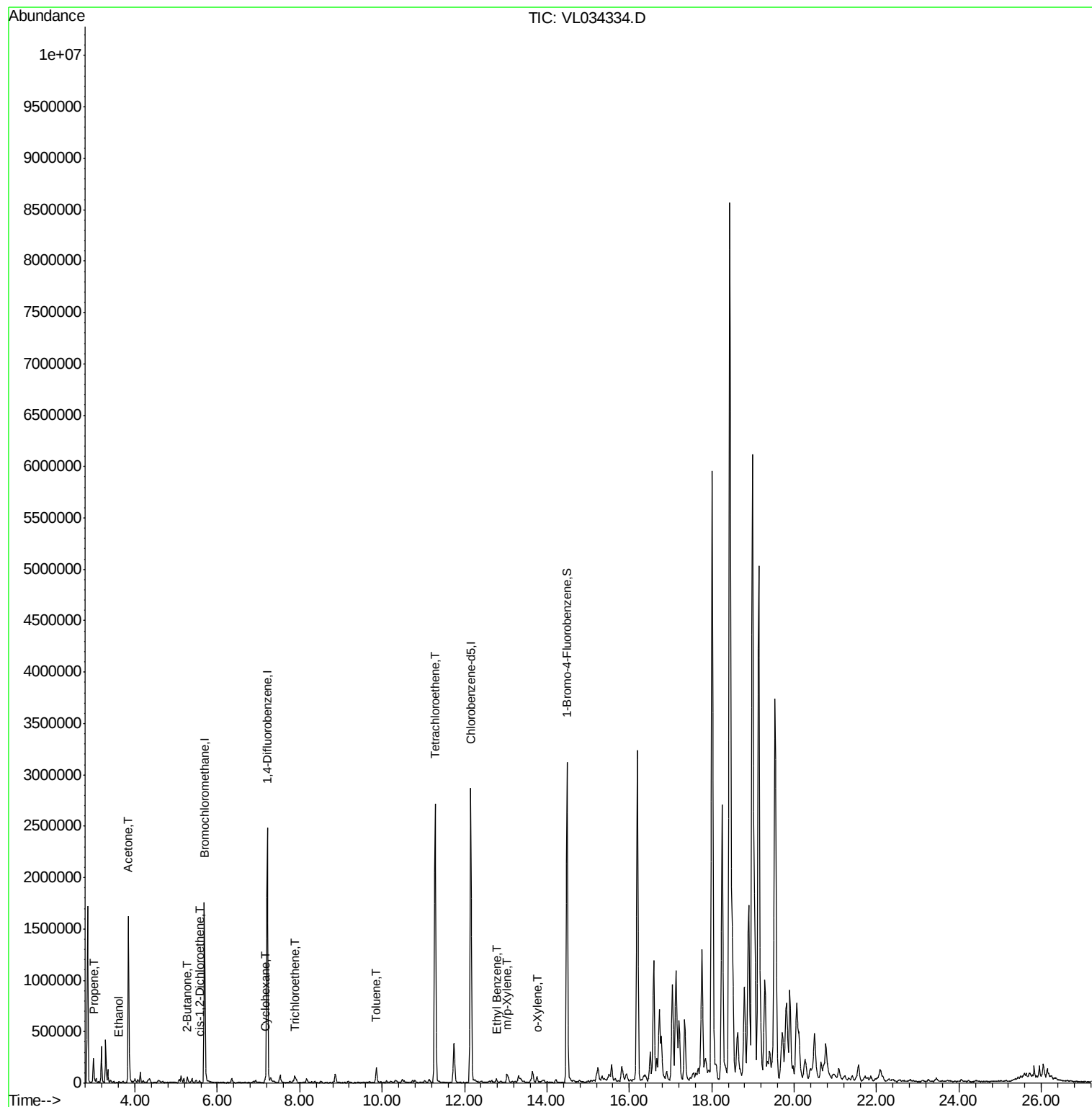
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034334.D
Acq On : 18 Oct 2019 2:39
Operator : SY/AP
Sample : K5409-04DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

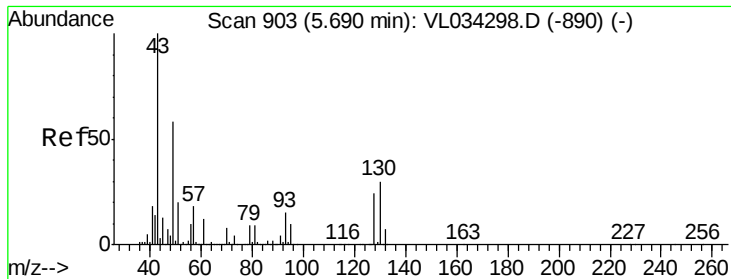
Instrument :
MSVOA_L
ClientSampleId :
SV4DL

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Quant Time: Oct 20 19:18:27 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. -0.00 min

Lab File: VL034334.D

Acq: 18 Oct 2019 2:39

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tot Ion: 49 Resp: 826671

Ion Ratio Lower Upper

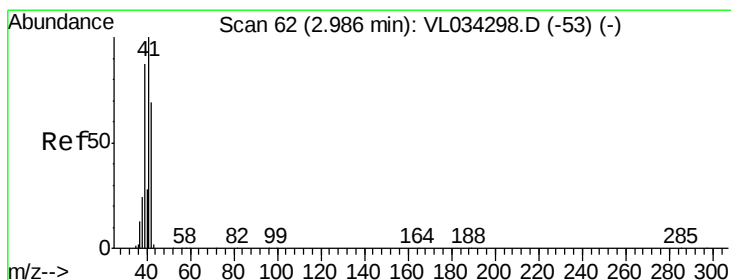
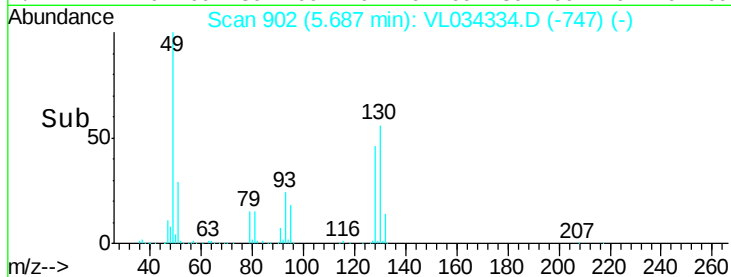
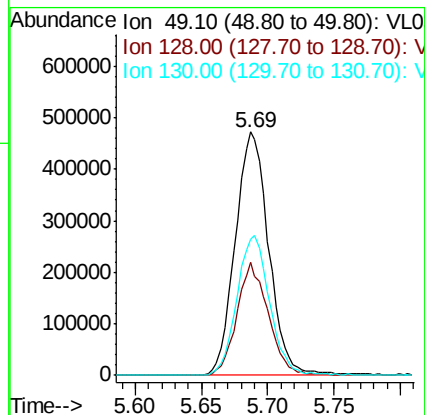
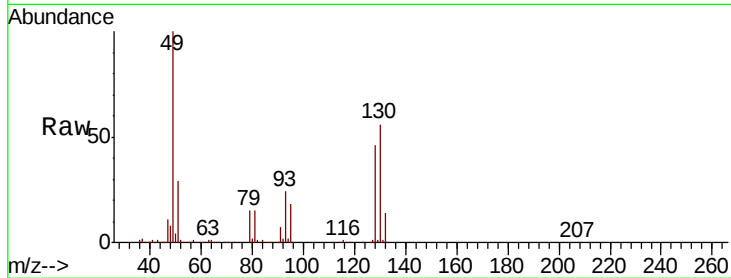
49 100

128 44.3 20.6 61.8

130 56.6 26.2 78.5

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#9

Propene

Concen: 2.187 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL034334.D

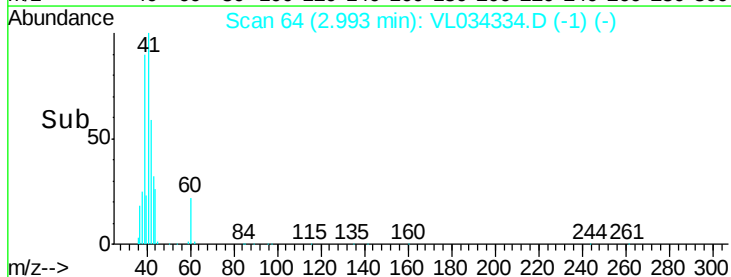
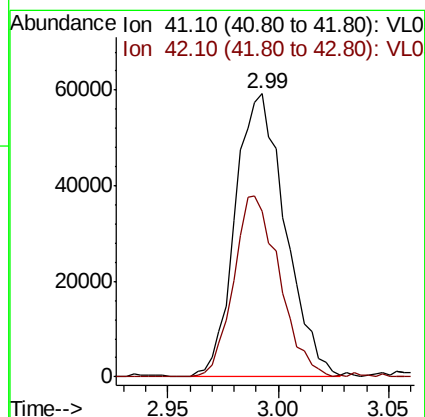
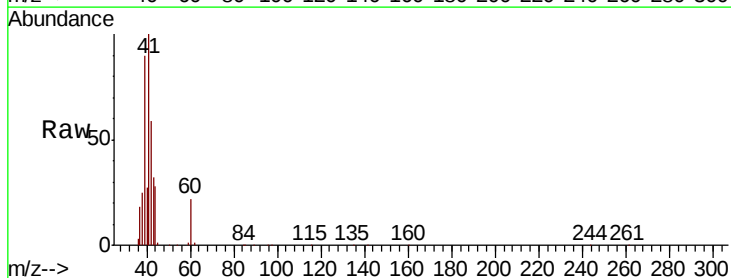
Acq: 18 Oct 2019 2:39

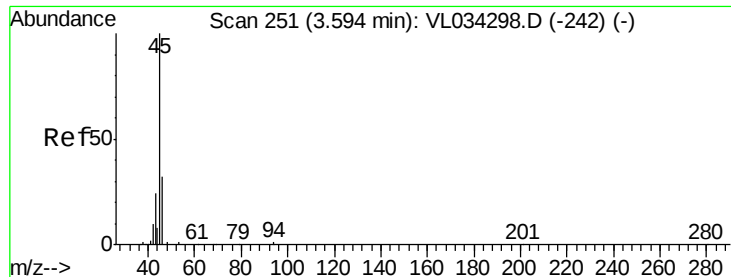
Tgt Ion: 41 Resp: 93953

Ion Ratio Lower Upper

41 100

42 58.9 53.9 80.9





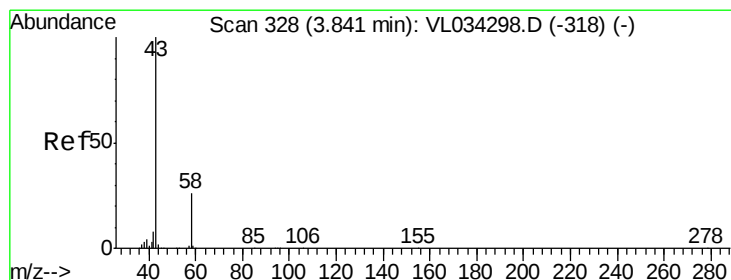
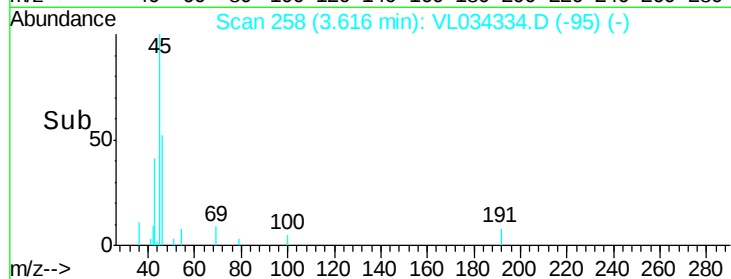
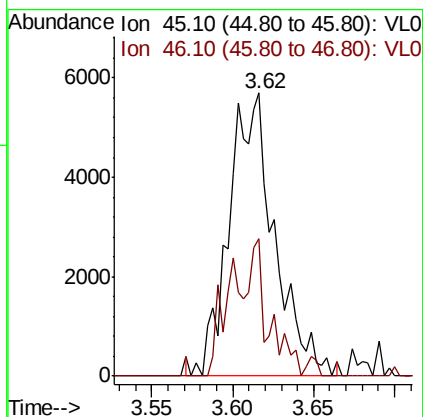
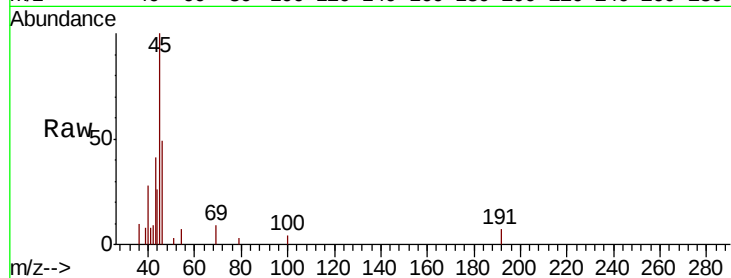
#13
Ethanol
Concen: 1.169 ppbv m
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Instrument :
MSVOA_L
ClientSampled :
SV4DL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.8	63.2#

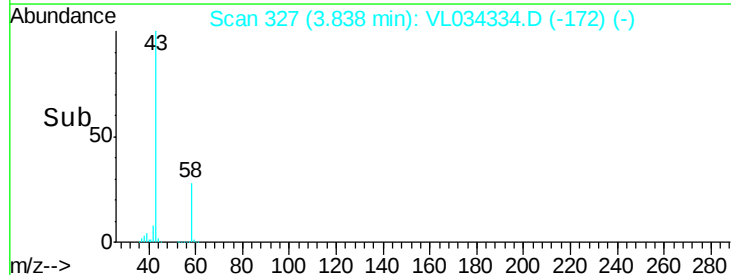
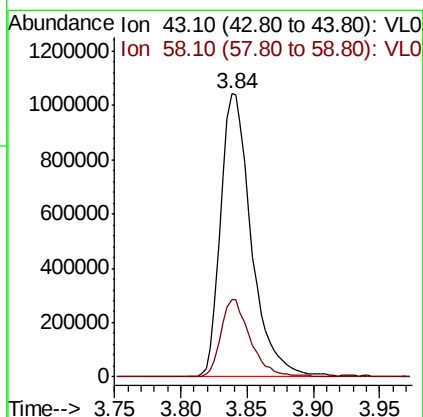
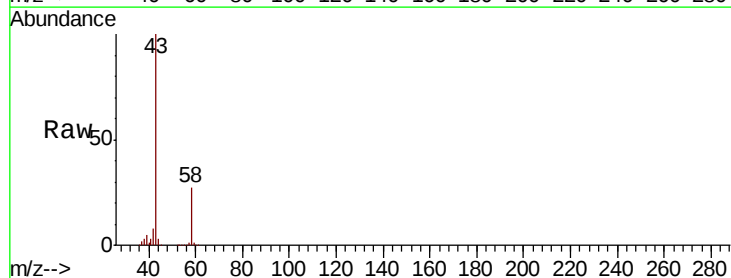
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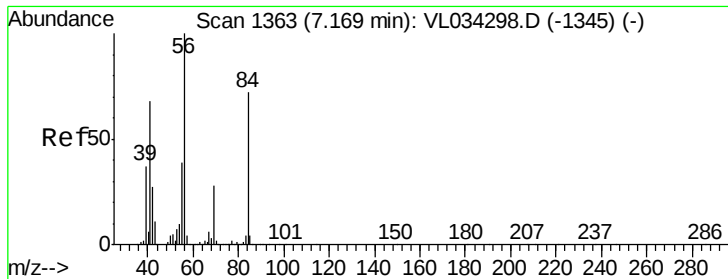
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#15
Acetone
Concen: 14.251 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.3	20.4	30.6





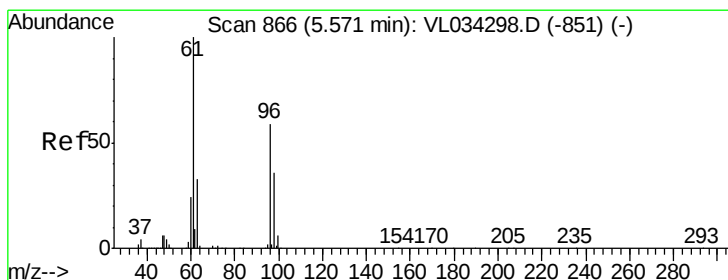
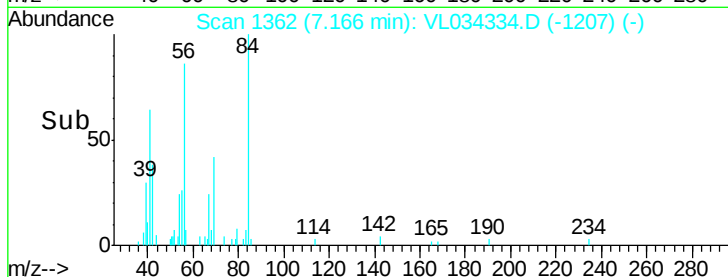
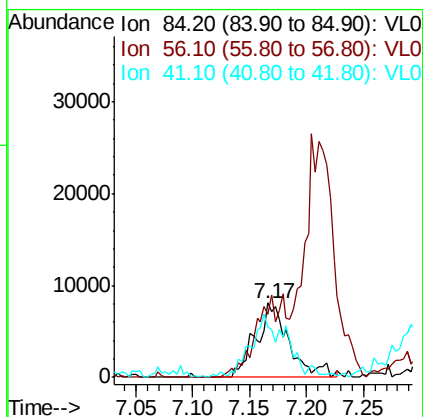
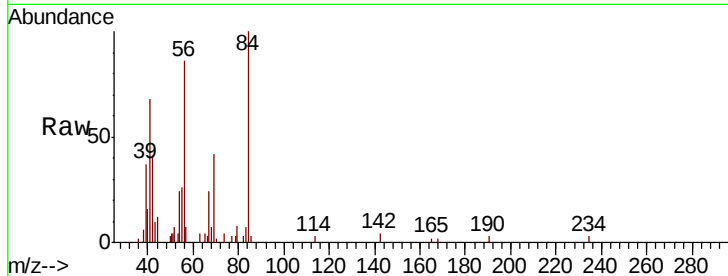
#30
Cvclohexane
Concen: 0.263 ppbv m
RT: 7.17 min Scan# 1362
Delta R.T. -0.00 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Instrument :
MSVOA_L
ClientSampled :
SV4DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	119.4	179.0#
41	93.0	78.7	118.1

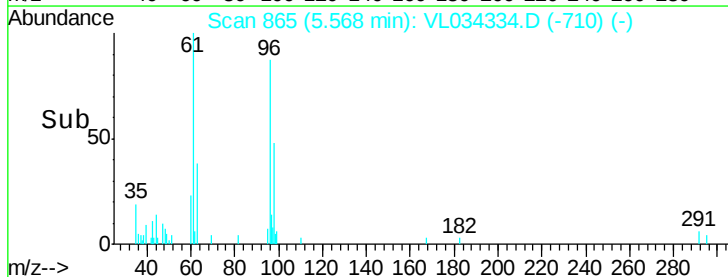
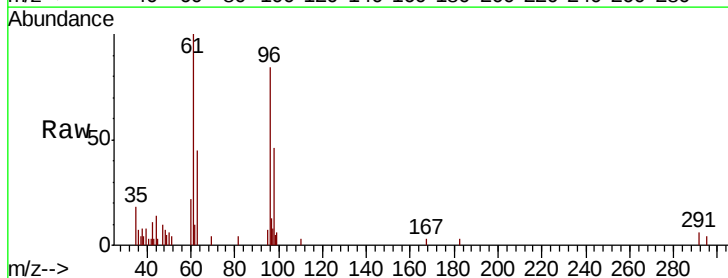
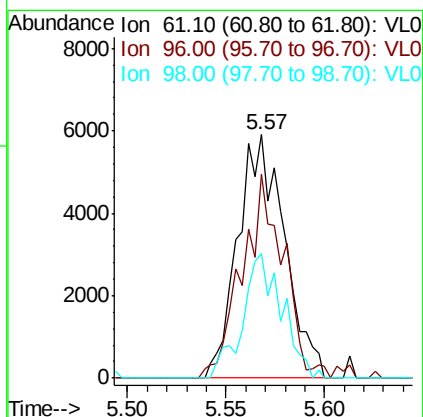
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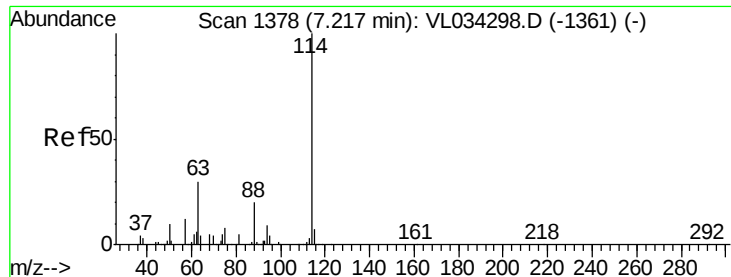
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#31
cis-1,2-Dichloroethene
Concen: 0.111 ppbv m
RT: 5.57 min Scan# 865
Delta R.T. -0.00 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
61	100		
96	83.9	47.5	71.3#
98	46.3	28.8	43.2#





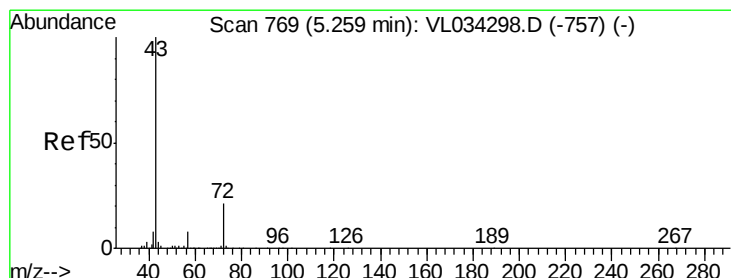
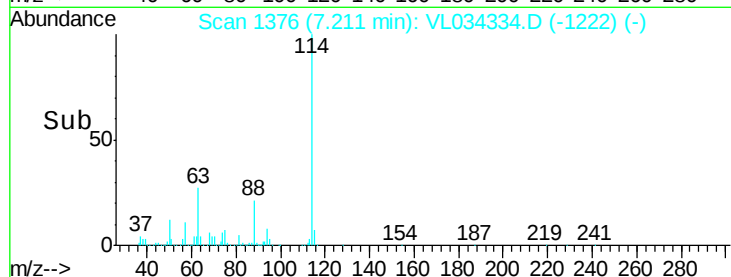
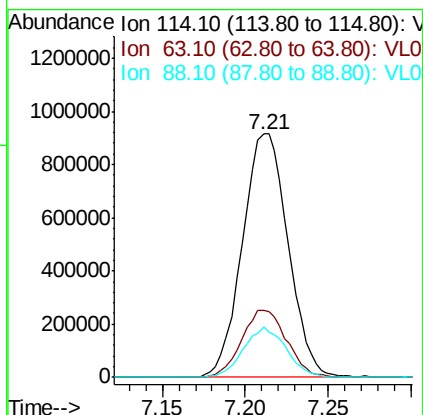
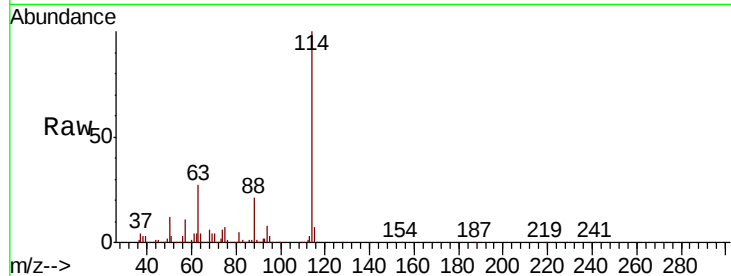
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1376
 Delta R.T. -0.01 min
 Lab File: VL034334.D
 Acq: 18 Oct 2019 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.4	25.2	37.8
88	19.3	16.0	24.0

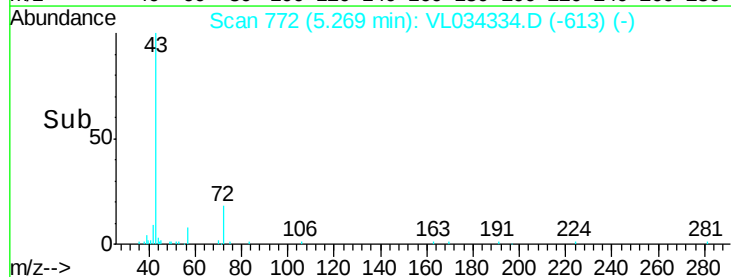
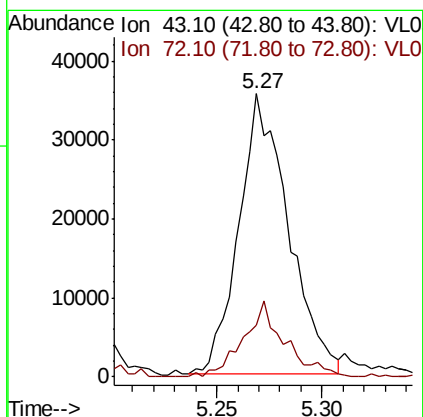
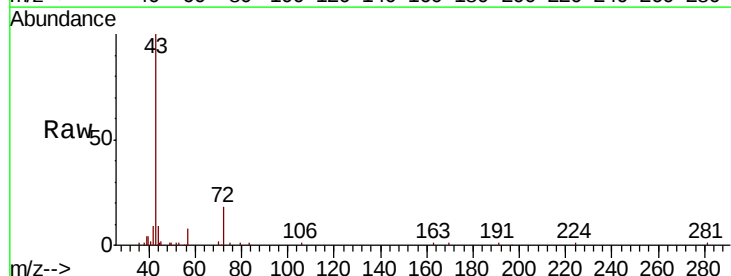
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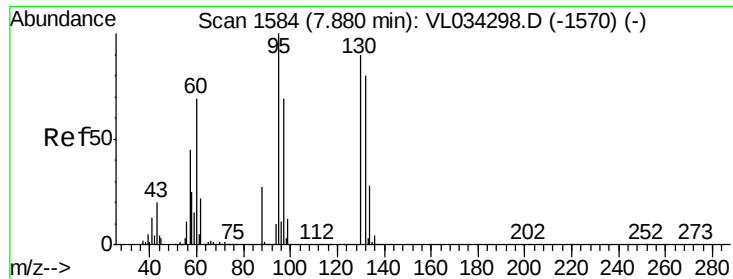
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#34
 2-Butanone
 Concen: 0.406 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. 0.01 min
 Lab File: VL034334.D
 Acq: 18 Oct 2019 2:39

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.7	16.3	24.5





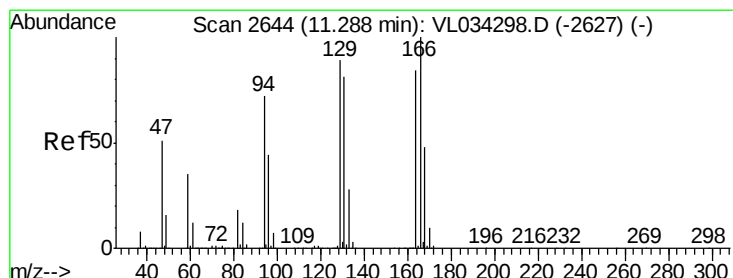
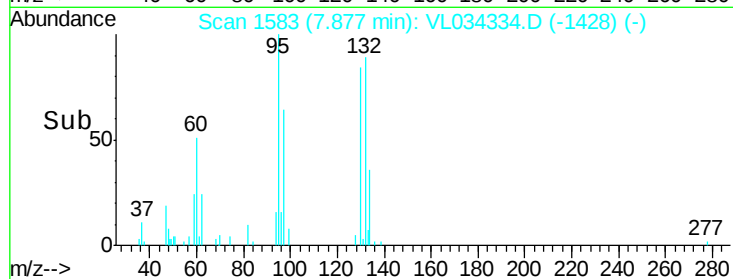
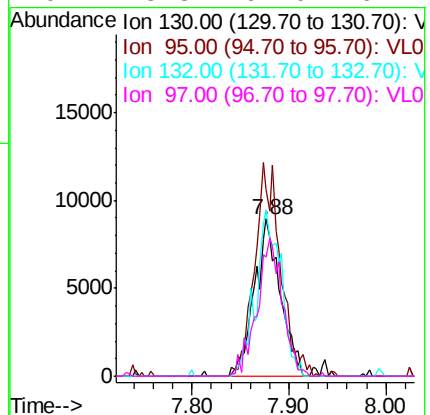
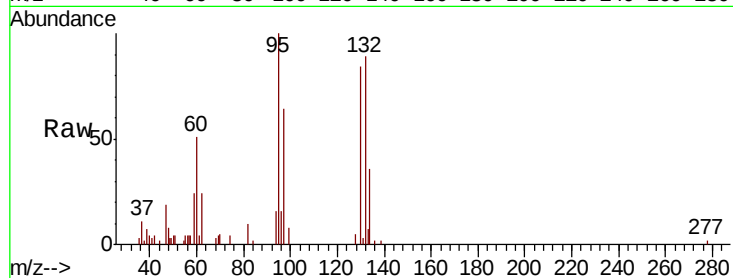
#38
 Trichloroethene
 Concen: 0.255 ppbv m
 RT: 7.88 min Scan# 1583
 Delta R.T. -0.00 min
 Lab File: VL034334.D
 Acq: 18 Oct 2019 2:39

Instrument :
 MSVOA_L
 ClientSampleId :
 SV4DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
130	100		17192		
95	119.0		88.6	132.8	
132	106.0		71.2	106.8	
97	75.8		61.0	91.4	

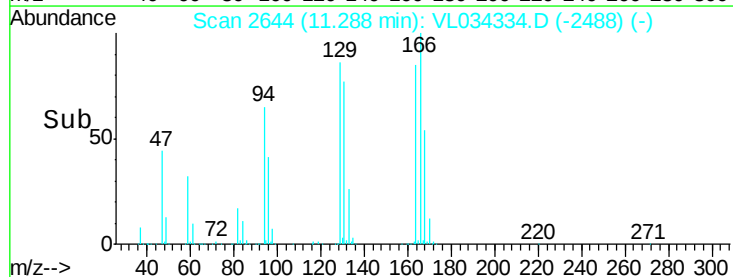
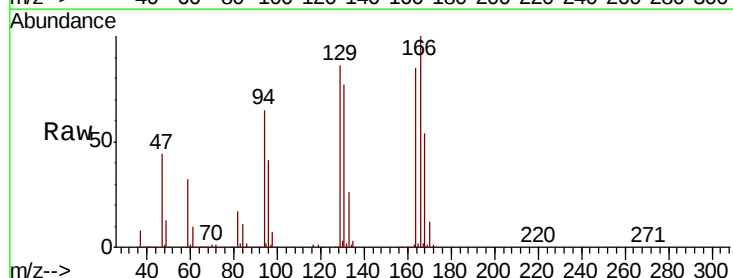
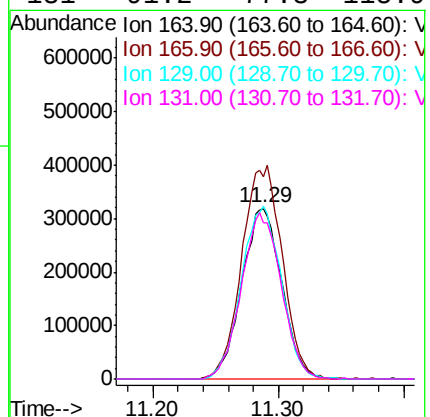
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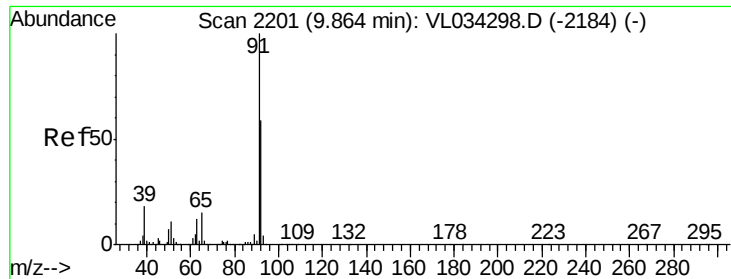
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#52
 Tetrachloroethene
 Concen: 10.741 ppbv
 RT: 11.29 min Scan# 2644
 Delta R.T. 0.00 min
 Lab File: VL034334.D
 Acq: 18 Oct 2019 2:39

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
164	100		708497		
166	118.2		95.3	142.9	
129	101.3		84.5	126.7	
131	91.2		77.3	115.9	





#53

Toluene

Concen: 0.578 ppbv

RT: 9.86 min Scan# 2200

Delta R.T. -0.00 min

Lab File: VL034334.D

Acq: 18 Oct 2019 2:39

Instrument :

MSVOA_L

ClientSampleId :

SV4DL

Tot Ion: 91 Resp: 107296

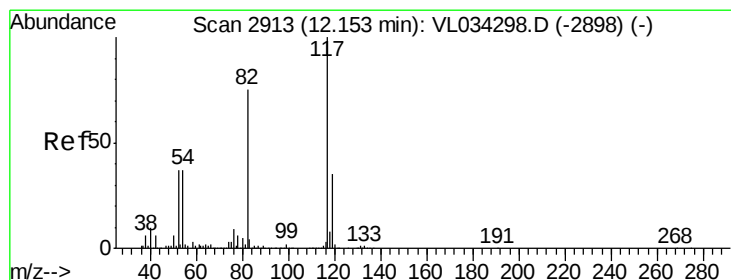
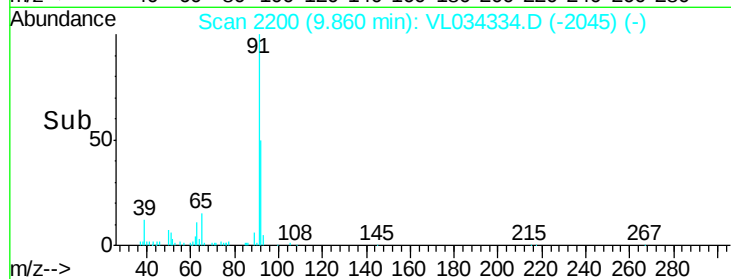
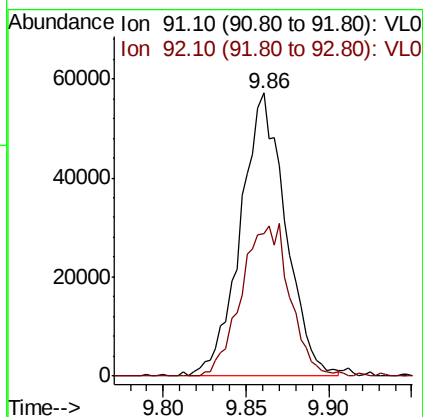
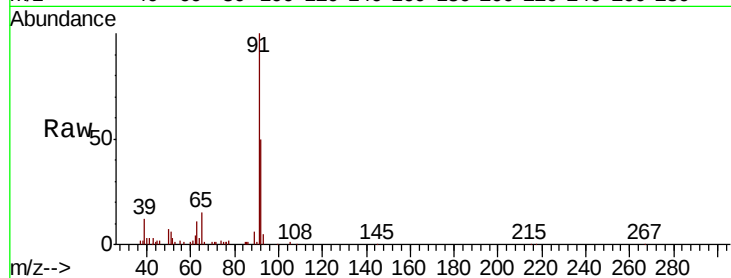
Ion Ratio Lower Upper

91 100

92 58.2 48.4 72.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.15 min Scan# 2912

Delta R.T. -0.00 min

Lab File: VL034334.D

Acq: 18 Oct 2019 2:39

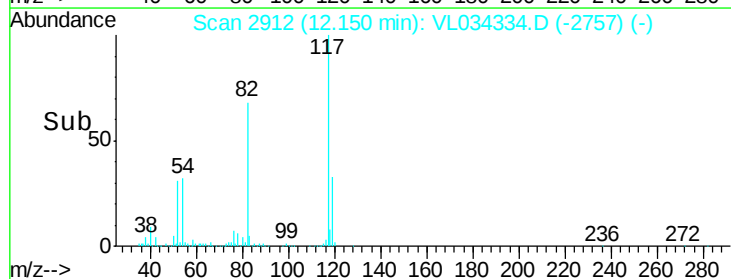
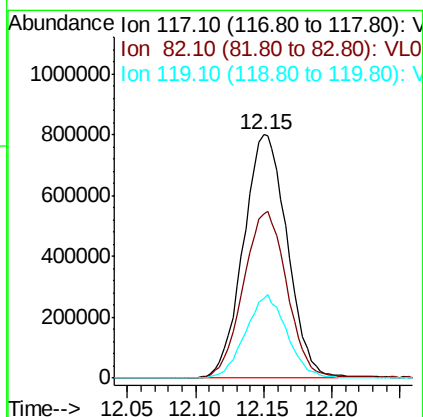
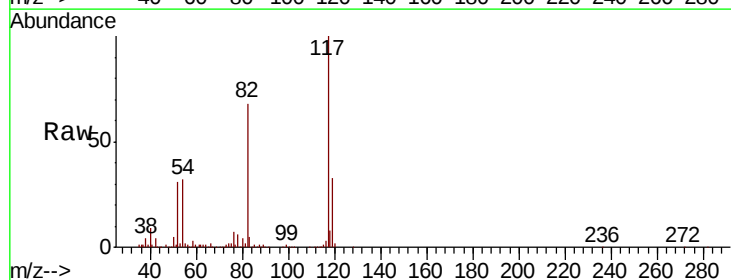
Tgt Ion: 117 Resp: 1780373

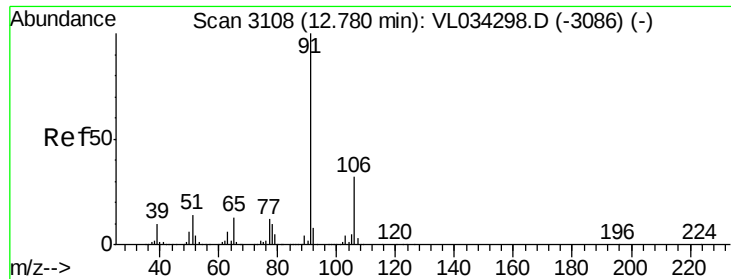
Ion Ratio Lower Upper

117 100

82 69.2 55.5 83.3

119 32.5 26.5 39.7





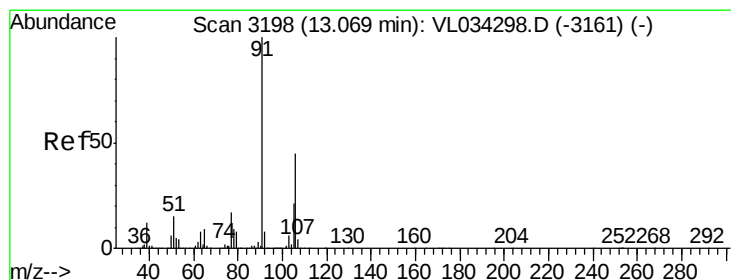
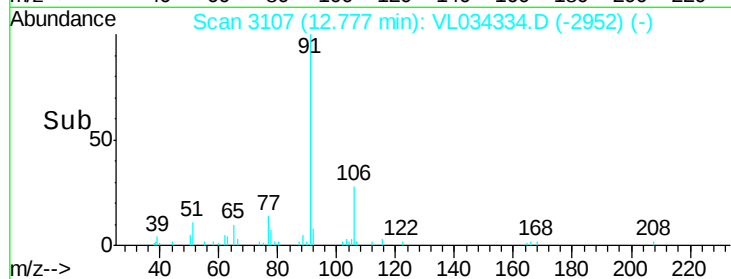
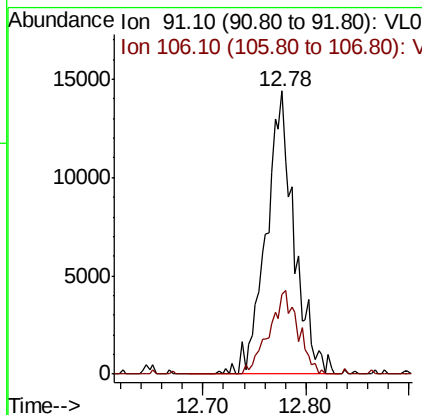
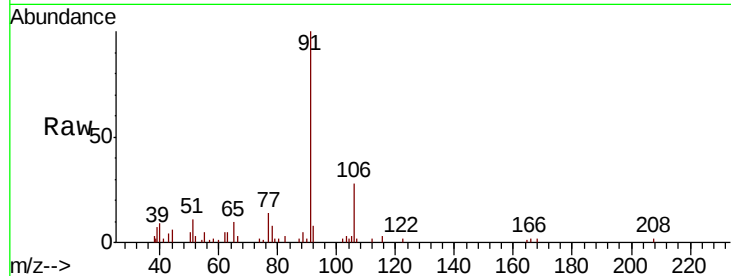
#58
Ethyl Benzene
Concen: 0.109 ppbv m
RT: 12.78 min Scan# 3107
Delta R.T. -0.00 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Instrument :
MSVOA_L
ClientSampled :
SV4DL

Tot Ion: 91 Resp: 27026
Ion Ratio Lower Upper
91 100
106 28.1 25.3 37.9

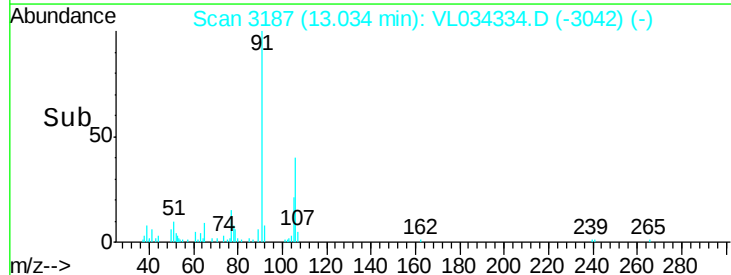
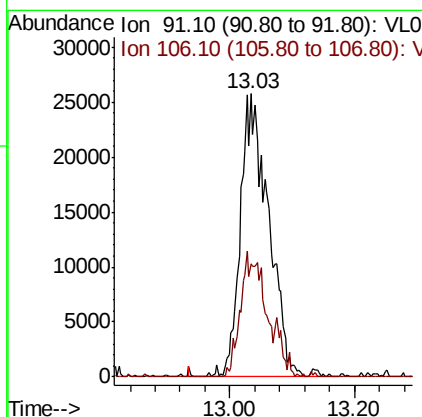
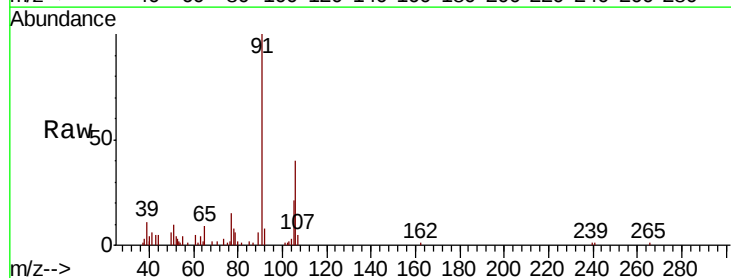
Manual Integrations
APPROVED

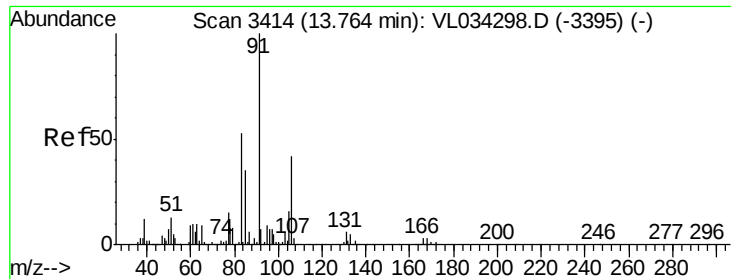
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#59
m/p-Xylene
Concen: 0.375 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. -0.04 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Tgt Ion: 91 Resp: 80766
Ion Ratio Lower Upper
91 100
106 0.0 35.4 53.2#





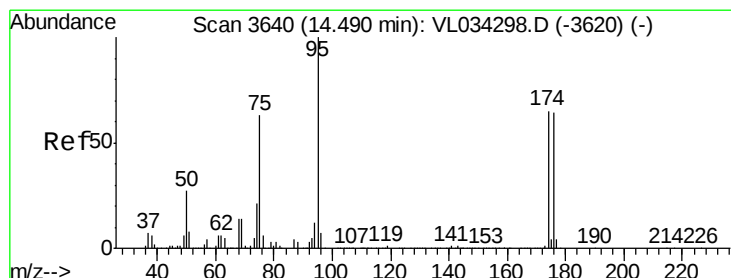
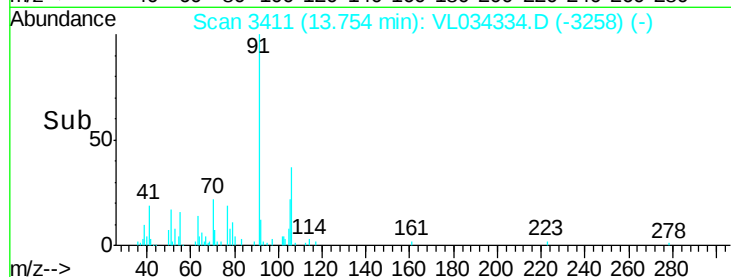
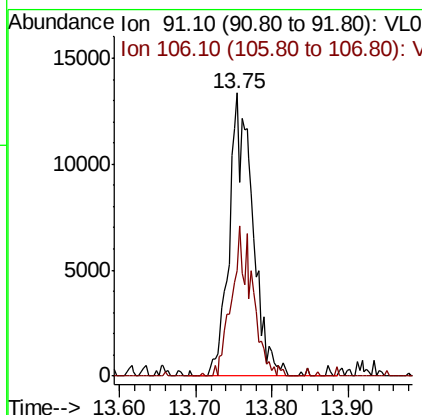
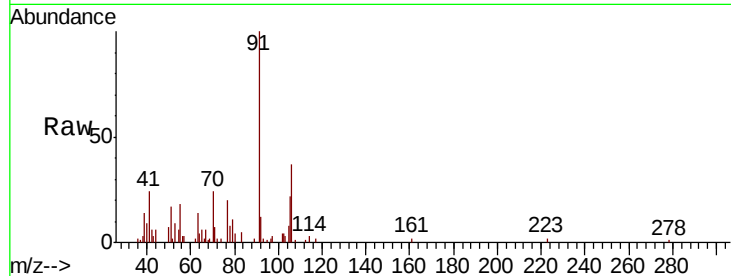
#60
o-Xylene
Concen: 0.134 ppbv m
RT: 13.75 min Scan# 3411
Delta R.T. -0.01 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Instrument :
MSVOA_L
ClientSampled :
SV4DL

Tot Ion: 91 Resp: 28806
Ion Ratio Lower Upper
91 100
106 46.5 21.6 64.6

Manual Integrations
APPROVED

MMDadoda
10/22/2019 2:56:13 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.612 ppbv
RT: 14.49 min Scan# 3639
Delta R.T. -0.00 min
Lab File: VL034334.D
Acq: 18 Oct 2019 2:39

Tgt Ion: 95 Resp: 1449289
Ion Ratio Lower Upper
95 100
174 70.7 52.6 78.8
175 5.4 3.8 5.6

