

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034825.D
 Acq On : 6 Mar 2020 21:51
 Operator : SY/AP
 Sample : L1698-04DL 300X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL

Manual Integrations
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 3/9/2020 9:20:39 AM

Quant Time: Mar 07 09:11:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 07 09:11:14 2020
 QLast Update : Wed Mar 04 06:36:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	821892	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	1971169	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	1910802	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	1553708	9.75	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	327160	6.140	ppbv	98
9) Propene	2.98	41	82751	2.245	ppbv	89
10) Heptane	8.16	43	2965144	31.656	ppbv	99
19) Isopropyl Alcohol	3.97	45	26610	0.451	ppbv #	93
26) Hexane	5.70	57	8343549	112.295	ppbv #	42
30) Cyclohexane	7.16	84	2320363	40.821	ppbv	97
31) cis-1,2-Dichloroethene	5.54	61	17774m	0.233	ppbv	
36) Benzene	6.91	78	3306587	19.631	ppbv	98
53) Toluene	9.84	91	993110	5.571	ppbv	99
58) Ethyl Benzene	12.75	91	68930	0.293	ppbv	96
59) m/p-Xylene	13.00	91	61280m	0.301	ppbv	

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

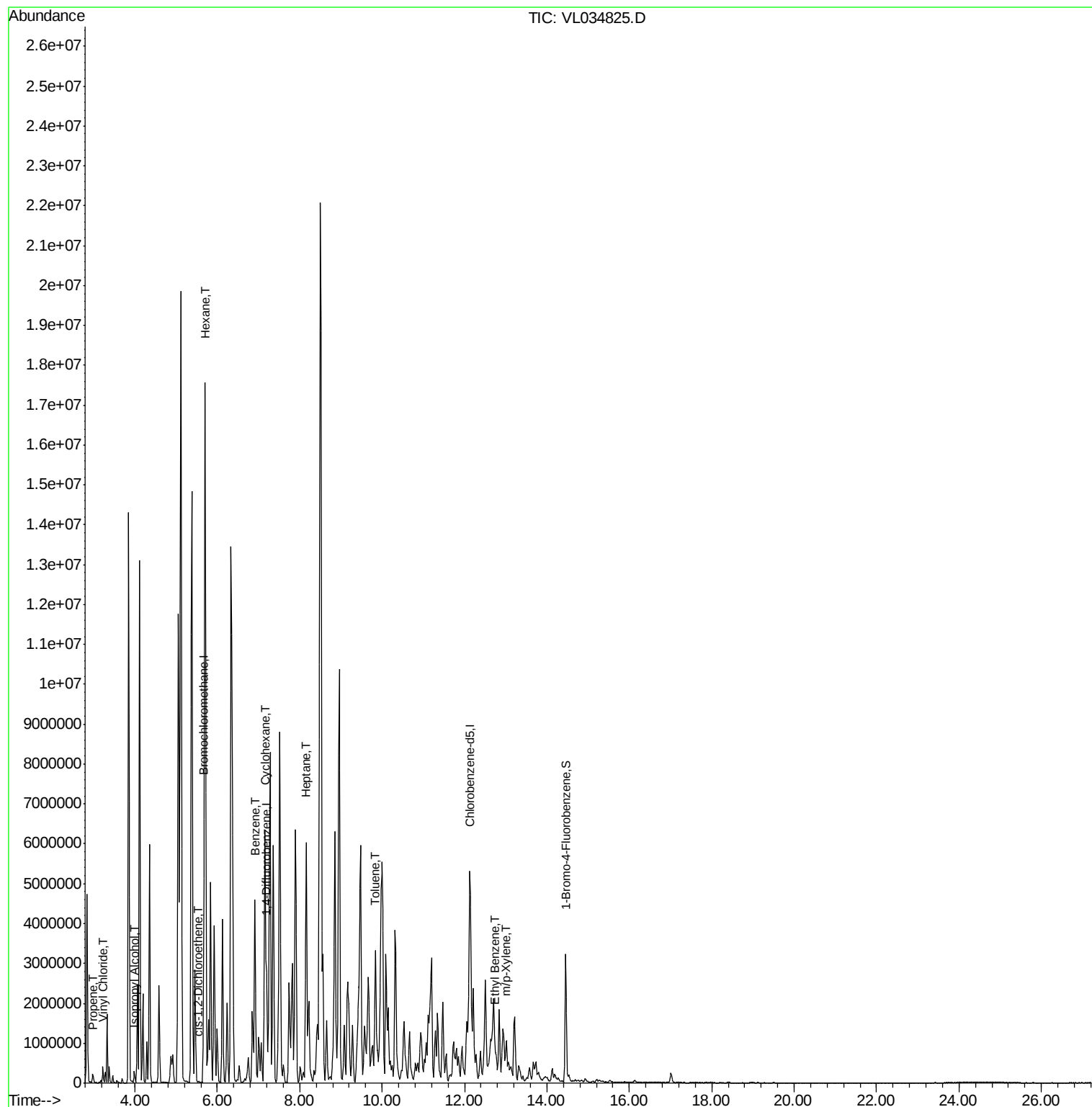
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034825.D
Acq On : 6 Mar 2020 21:51
Operator : SY/AP
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Misc : 400ml/MSVOA L
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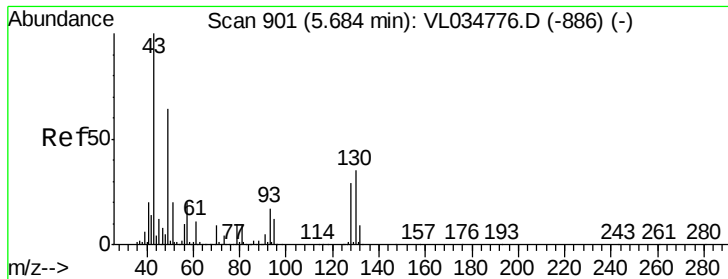
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4DL

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Quant Time: Mar 07 09:11:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar
QLast Update : Wed Mar 04 06:36:39 2020
Response via : Initial Calibration





#1

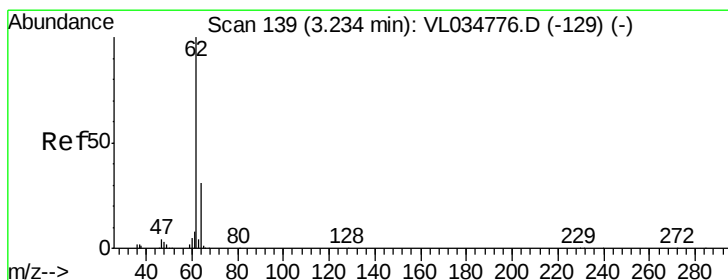
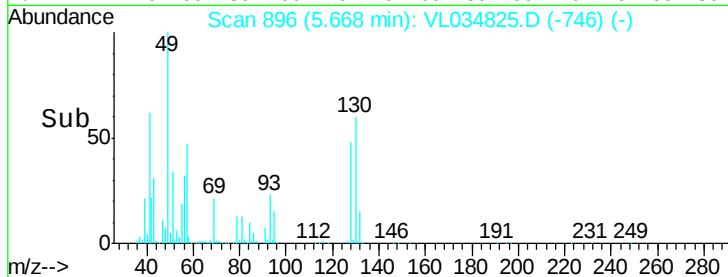
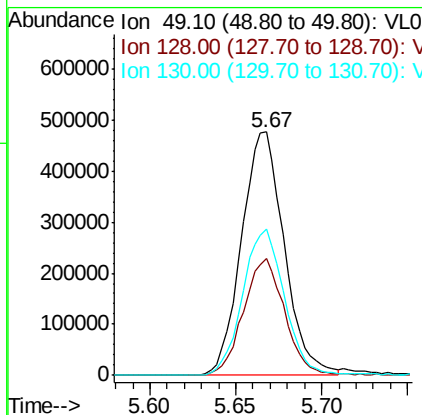
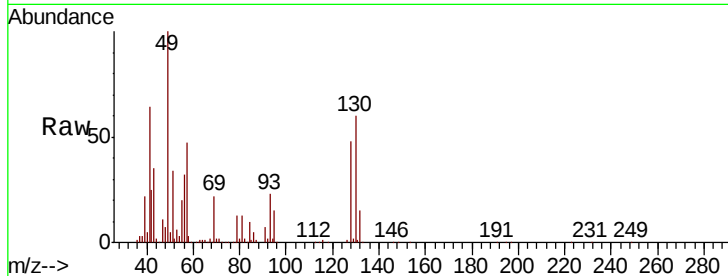
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. -0.02 min
 Lab File: VL034825.D
 Acq: 6 Mar 2020 21:51

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4-4DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	46.7	21.6	64.6
130	59.6	27.4	82.2

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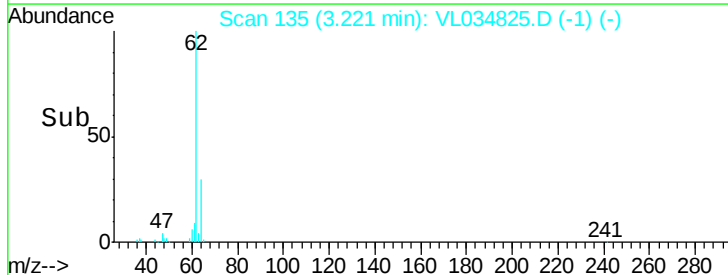
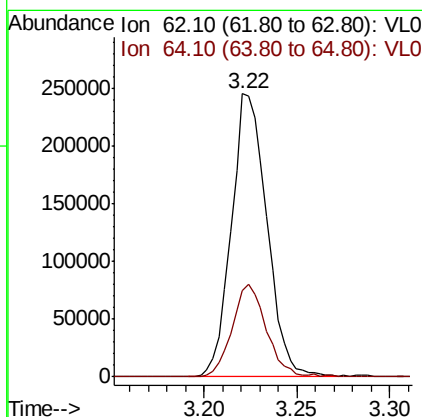
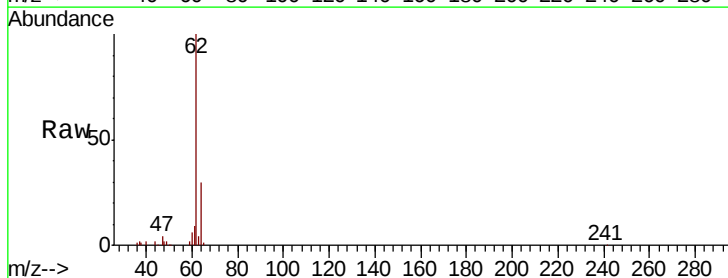
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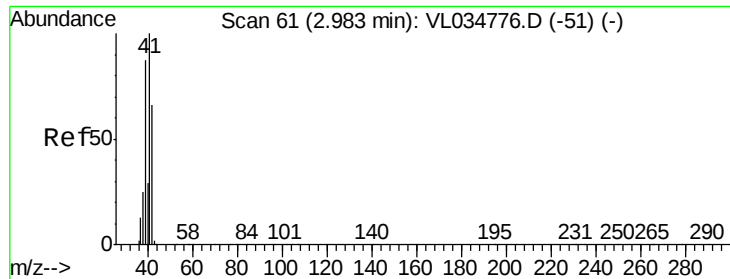


#5

Vinyl Chloride
 Concen: 6.140 ppbv
 RT: 3.22 min Scan# 135
 Delta R.T. -0.01 min
 Lab File: VL034825.D
 Acq: 6 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
62	100		
64	30.5	25.1	37.7





#9

Propene

Concen: 2.245 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL

Tot Ion: 41 Resp: 82751

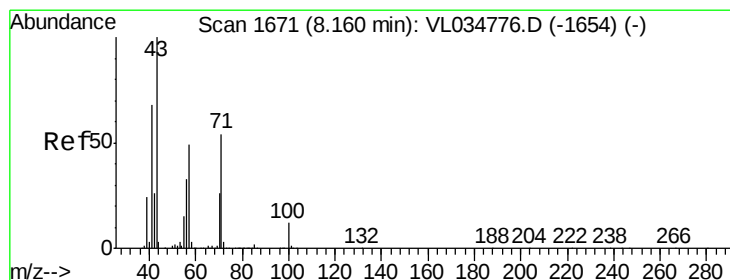
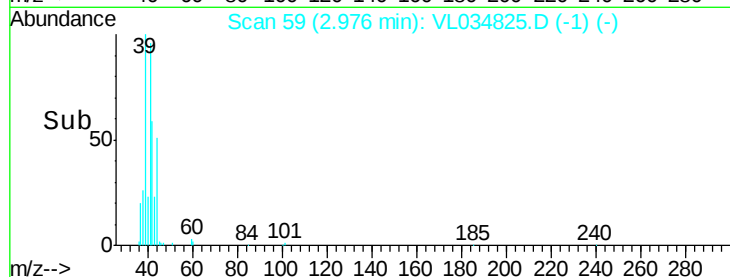
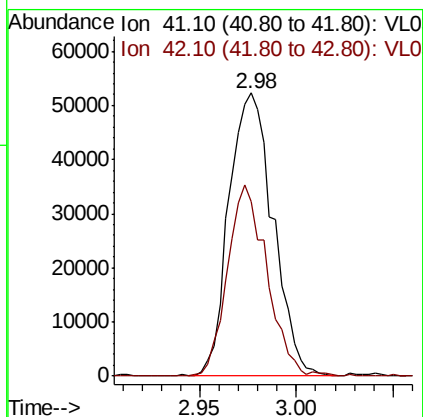
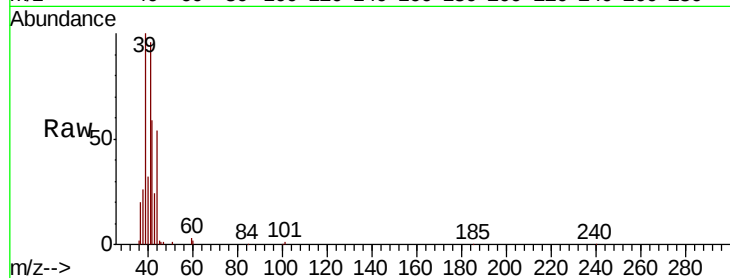
Ion Ratio Lower Upper

41 100

42 60.4 55.6 83.4

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#10

Heptane

Concen: 31.656 ppbv

RT: 8.16 min Scan# 1670

Delta R.T. -0.00 min

Lab File: VL034825.D

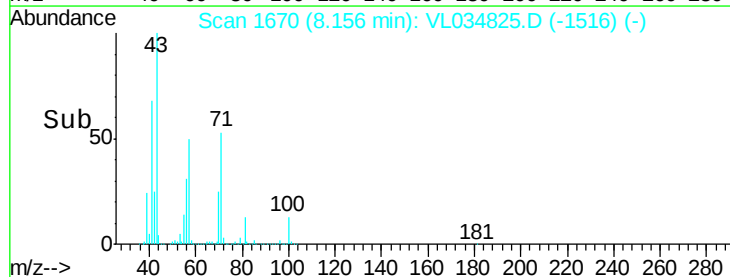
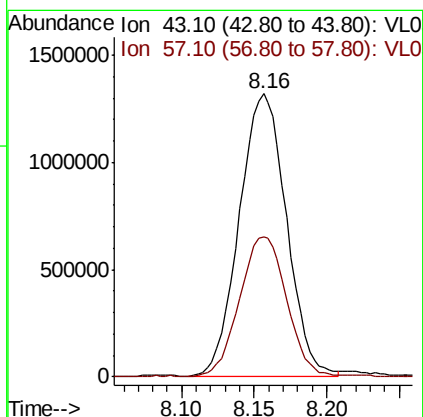
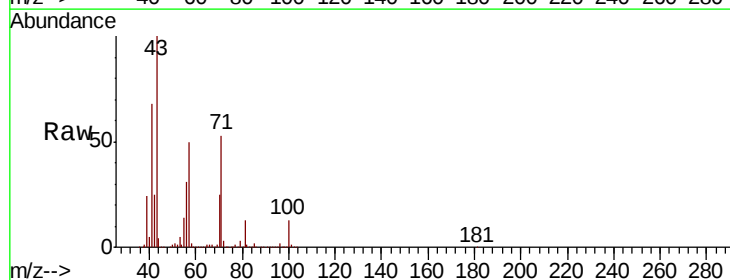
Acq: 6 Mar 2020 21:51

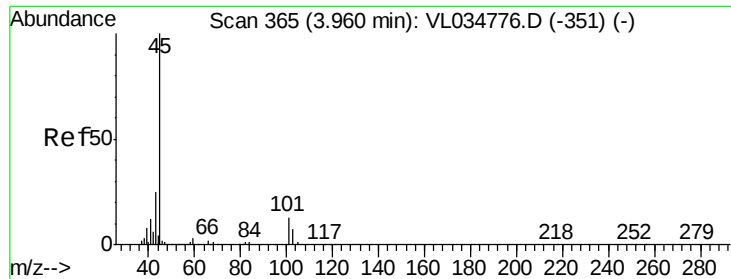
Tgt Ion: 43 Resp: 2965144

Ion Ratio Lower Upper

43 100

57 50.2 40.5 60.7





#19

Isopropyl Alcohol

Concen: 0.451 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL

Tot Ion: 45 Resp: 26610

Ion Ratio Lower Upper

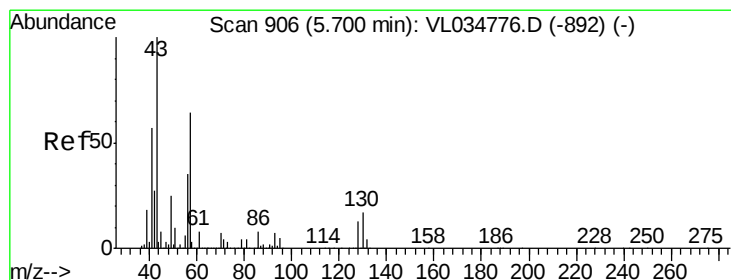
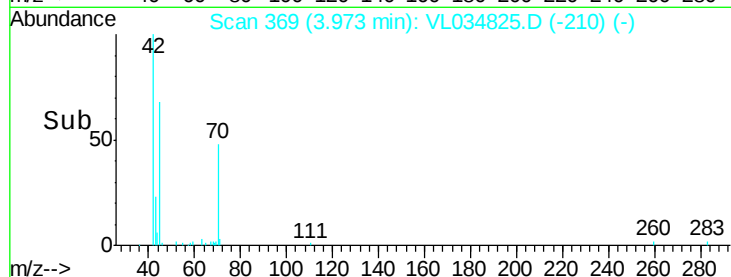
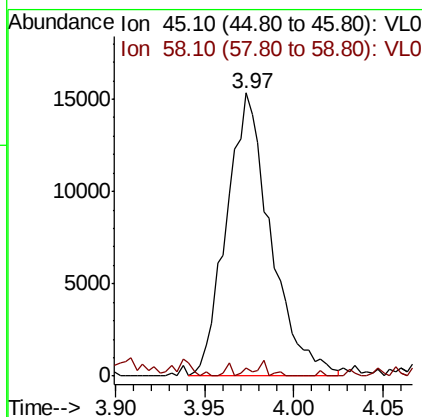
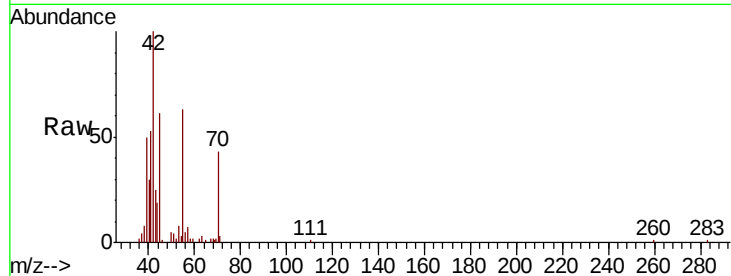
45 100

58 0.0 1.8 2.8#

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#26

Hexane

Concen: 112.295 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

Tgt Ion: 57 Resp: 8343549

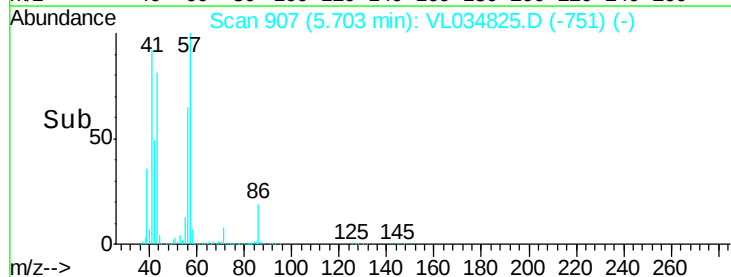
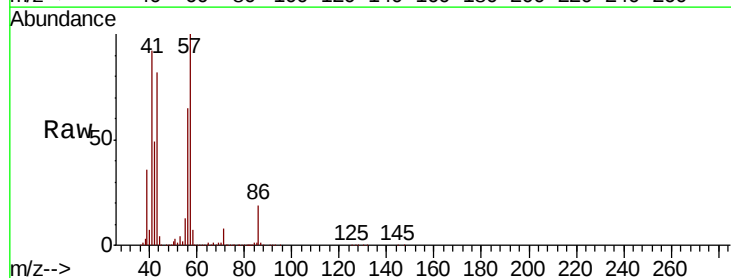
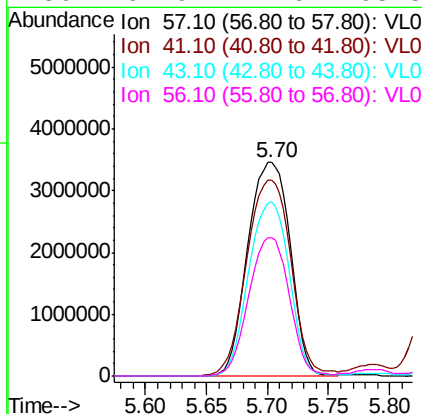
Ion Ratio Lower Upper

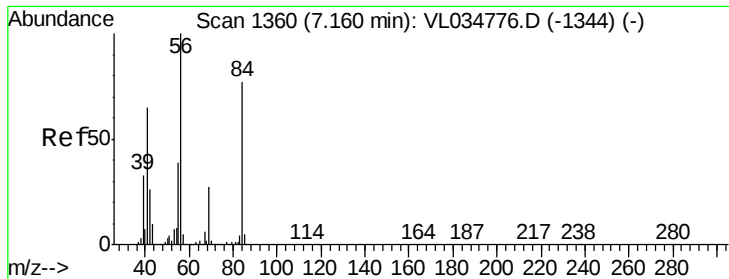
57 100

41 95.7 72.0 108.0

43 77.8 179.1 268.7#

56 61.9 42.6 63.8





#30

Cvclohexane

Concen: 40.821 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.00 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL

Tot Ion: 84 Resp: 2320363

Ion Ratio Lower Upper

84 100

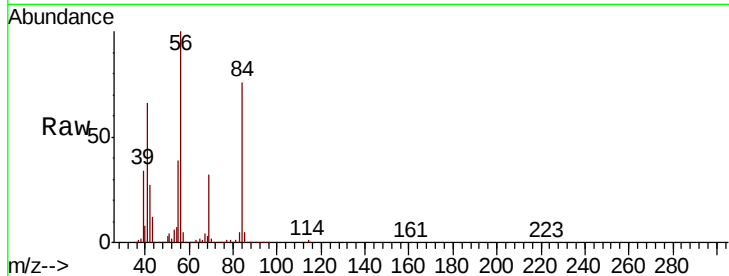
56 137.8 113.2 169.8

41 89.9 70.2 105.4

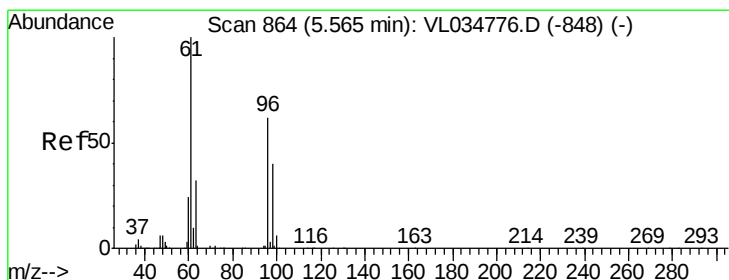
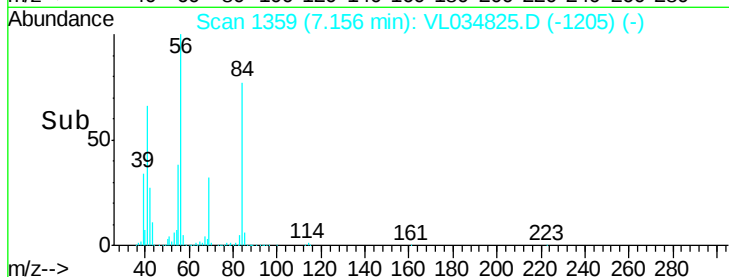
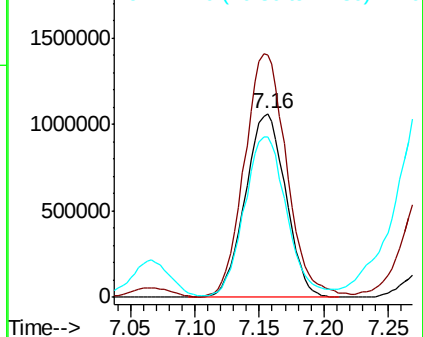
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Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



#31

cis-1,2-Dichloroethene

Concen: 0.233 ppbv m

RT: 5.54 min Scan# 857

Delta R.T. -0.02 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

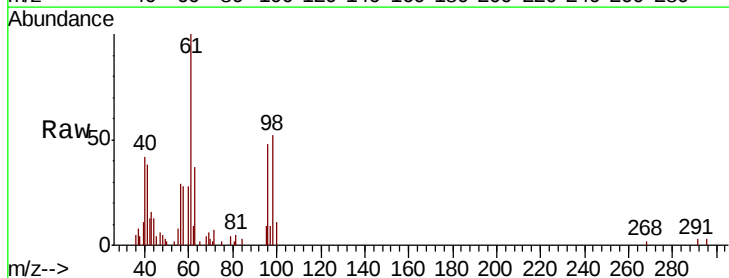
Tgt Ion: 61 Resp: 17774

Ion Ratio Lower Upper

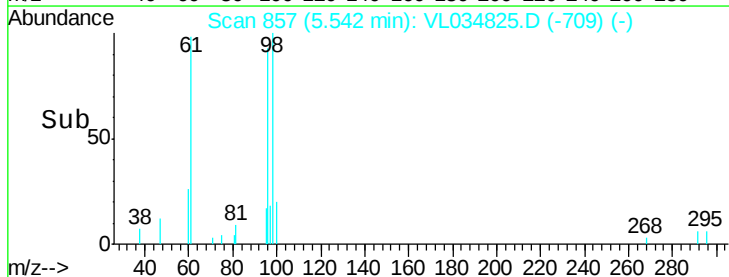
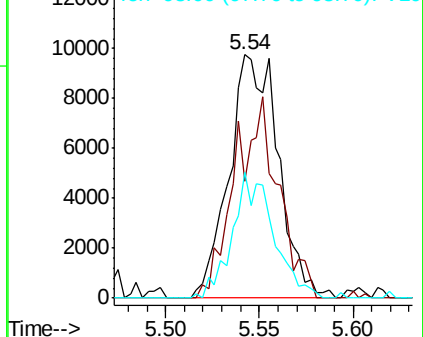
61 100

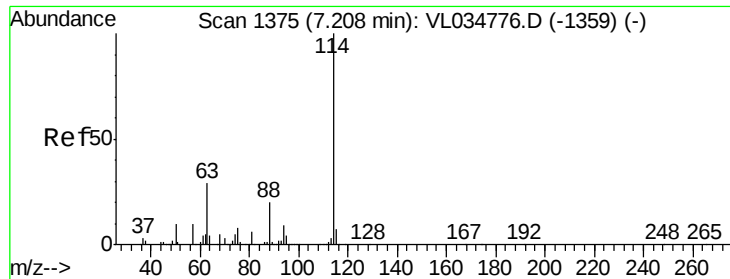
96 48.0 49.7 74.5#

98 51.9 31.9 47.9#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0





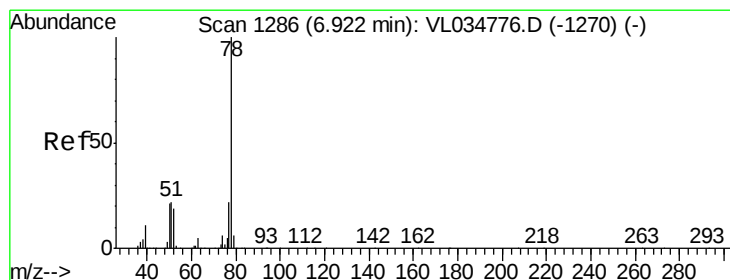
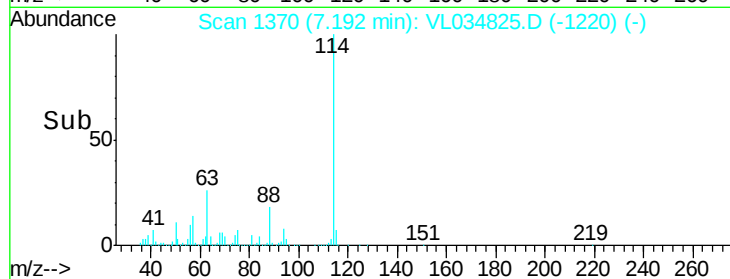
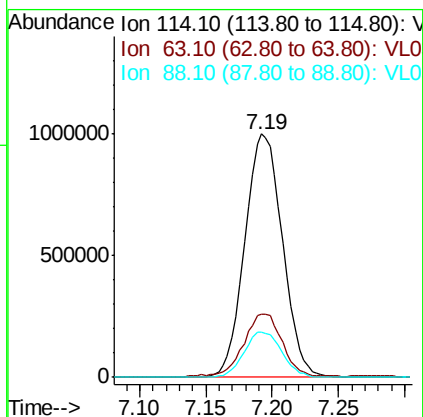
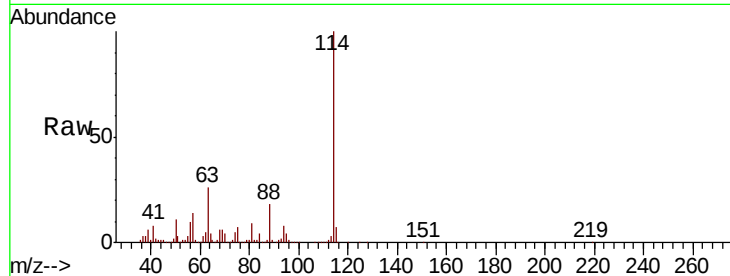
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. -0.02 min
 Lab File: VL034825.D
 Acq: 6 Mar 2020 21:51

Instrument :
 MSVOA_L
 ClientSampled :
 SS-4-4DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.3	23.6	35.4
88	18.8	15.8	23.8

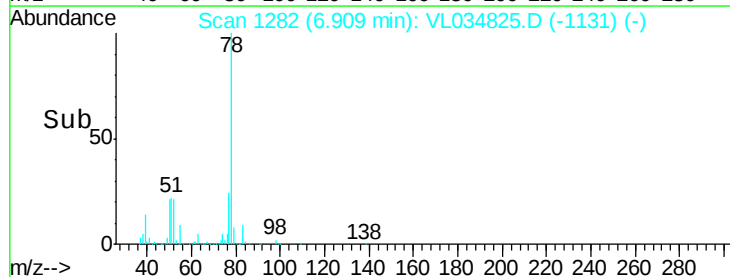
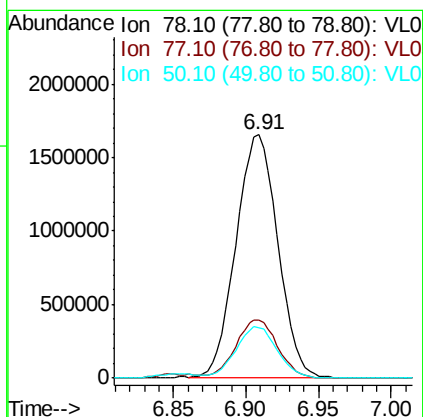
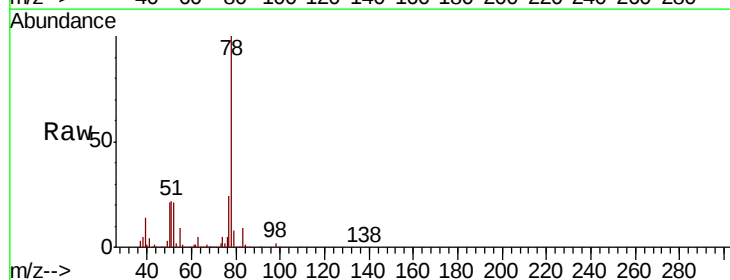
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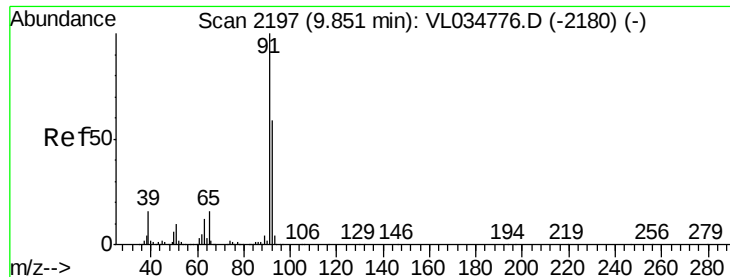
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#36
 Benzene
 Concen: 19.631 ppbv
 RT: 6.91 min Scan# 1282
 Delta R.T. -0.01 min
 Lab File: VL034825.D
 Acq: 6 Mar 2020 21:51

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.0	18.0	27.0
50	20.5	16.9	25.3





#53

Toluene

Concen: 5.571 ppbv

RT: 9.84 min Scan# 2194

Delta R.T. -0.01 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL

Tot Ion: 91 Resp: 993110

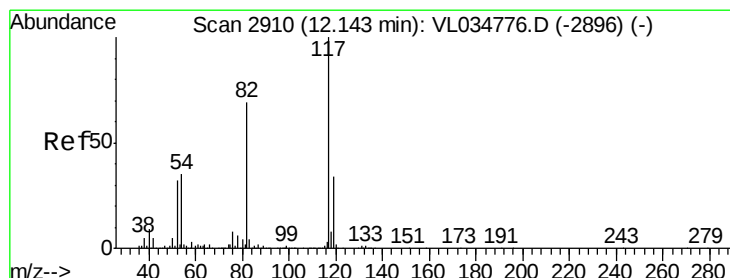
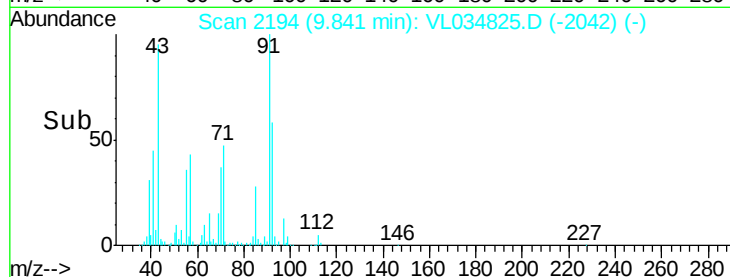
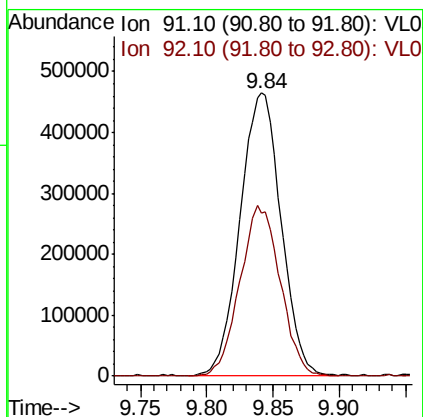
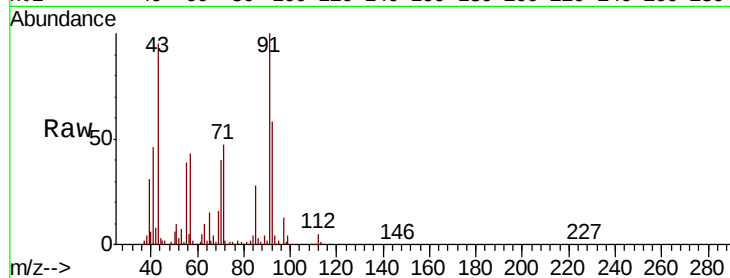
Ion Ratio Lower Upper

91 100

92 59.6 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.02 min

Lab File: VL034825.D

Acq: 6 Mar 2020 21:51

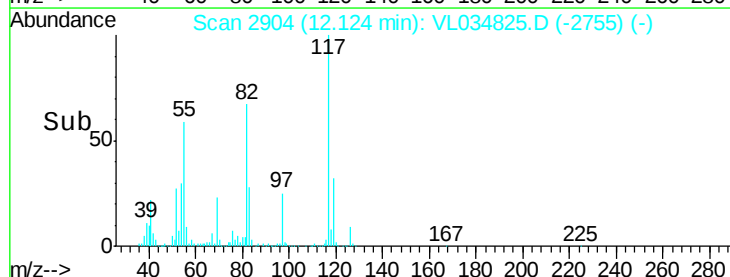
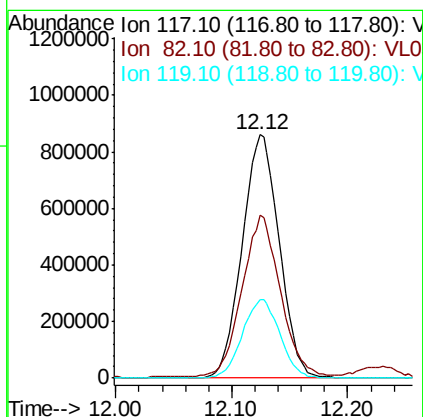
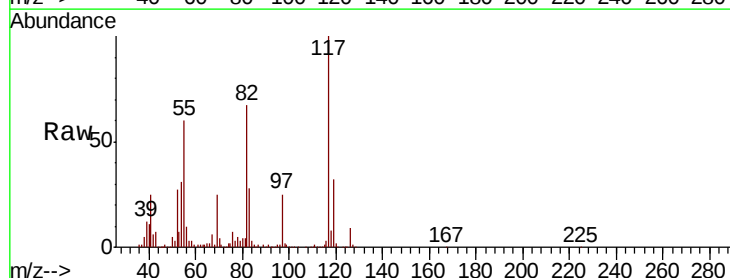
Tgt Ion: 117 Resp: 1910802

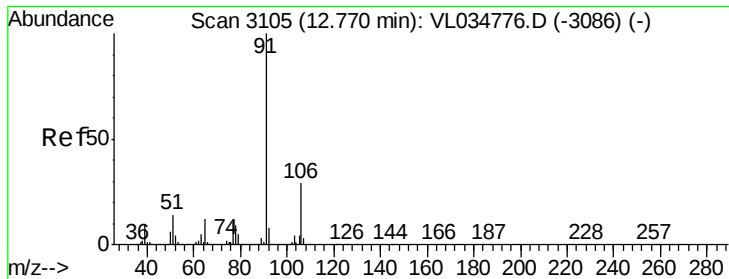
Ion Ratio Lower Upper

117 100

82 70.4 53.9 80.9

119 32.8 25.0 37.4





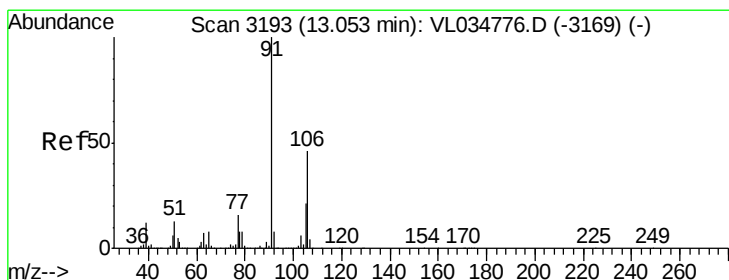
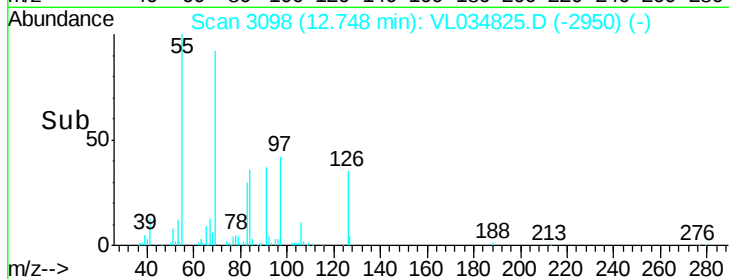
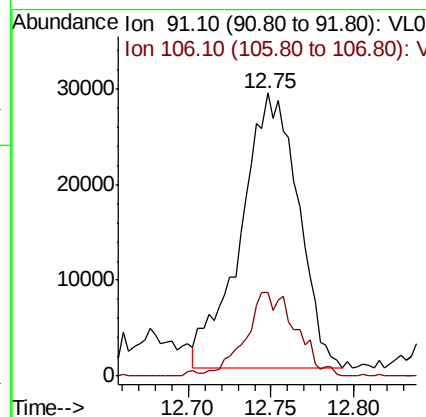
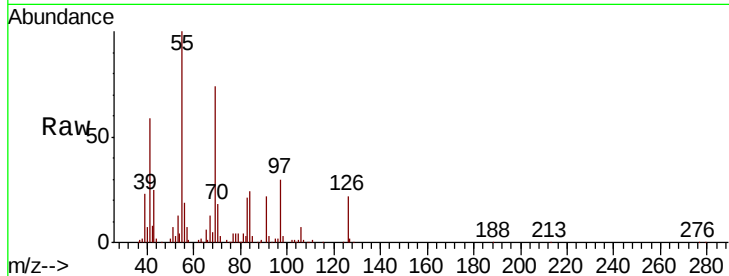
#58
Ethyl Benzene
Concen: 0.293 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. -0.02 min
Lab File: VL034825.D
Acq: 6 Mar 2020 21:51

Instrument :
MSVOA_L
ClientSampleId :
SS-4-4DL

Tot Ion: 91 Resp: 68930
Ion Ratio Lower Upper
91 100
106 30.6 22.8 34.2

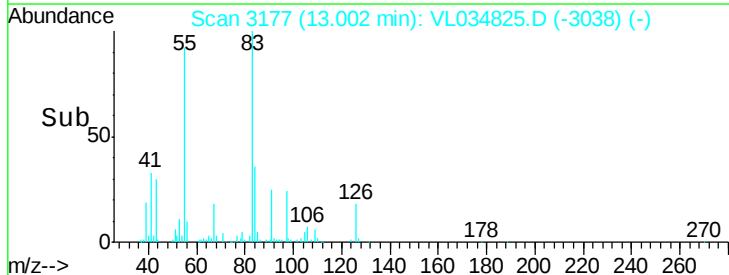
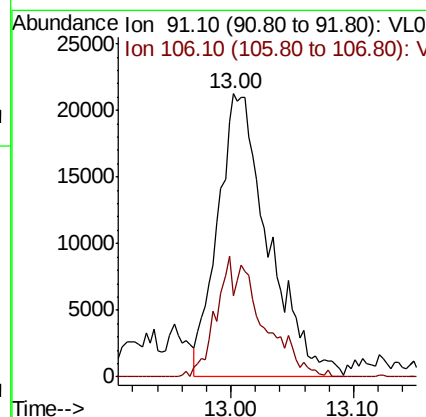
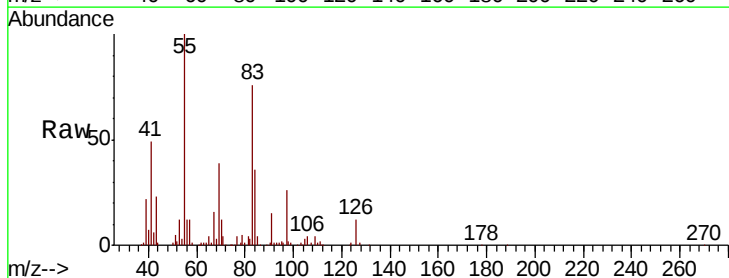
Manual Integrations
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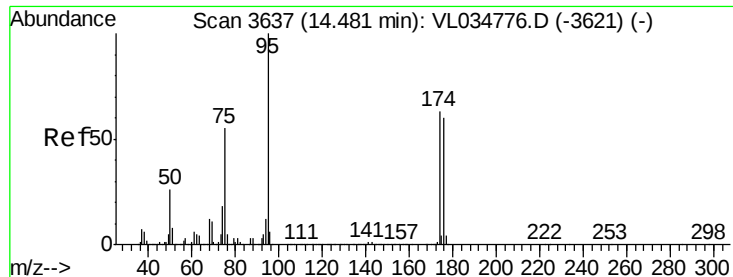
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#59
m/p-Xylene
Concen: 0.301 ppbv m
RT: 13.00 min Scan# 3177
Delta R.T. -0.05 min
Lab File: VL034825.D
Acq: 6 Mar 2020 21:51

Tgt Ion: 91 Resp: 61280
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.751 ppbv
 RT: 14.46 min Scan# 3630
 Delta R.T. -0.02 min
 Lab File: VL034825.D
 Acq: 6 Mar 2020 21:51

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	71.7	50.6	76.0
175	5.5	3.8	5.6

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:39 AM

