

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030620\
 Data File : VL034826.D
 Acq On : 6 Mar 2020 22:29
 Operator : SY/AP
 Sample : L1698-04DL2 600X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL2

Manual Integrations
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MMDadoda
 3/9/2020 9:20:43 AM

Quant Time: Mar 07 05:57:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL030420AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Mar 0
 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	5.66	49	898438	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.19	114	2136803	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.12	117	2078584	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.46	95	1680181	9.69	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
5) Vinyl Chloride	3.22	62	185208	3.180	ppbv	99
9) Propene	2.97	41	47351	1.175	ppbv	90
10) Heptane	8.15	43	1752902	17.119	ppbv	98
13) Ethanol	3.60	45	5443m	0.394	ppbv	
15) Acetone	3.83	43	193524m	1.799	ppbv	
19) Isopropyl Alcohol	3.98	45	15207m	0.236	ppbv	
26) Hexane	5.69	57	5976280	73.581	ppbv #	42
30) Cyclohexane	7.15	84	1386621	22.316	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	9382	0.113	ppbv #	82
36) Benzene	6.90	78	1971244	10.796	ppbv	98
53) Toluene	9.83	91	564937	2.923	ppbv	98
58) Ethyl Benzene	12.75	91	43086m	0.168	ppbv	
59) m/p-Xylene	13.00	91	35243m	0.159	ppbv	

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

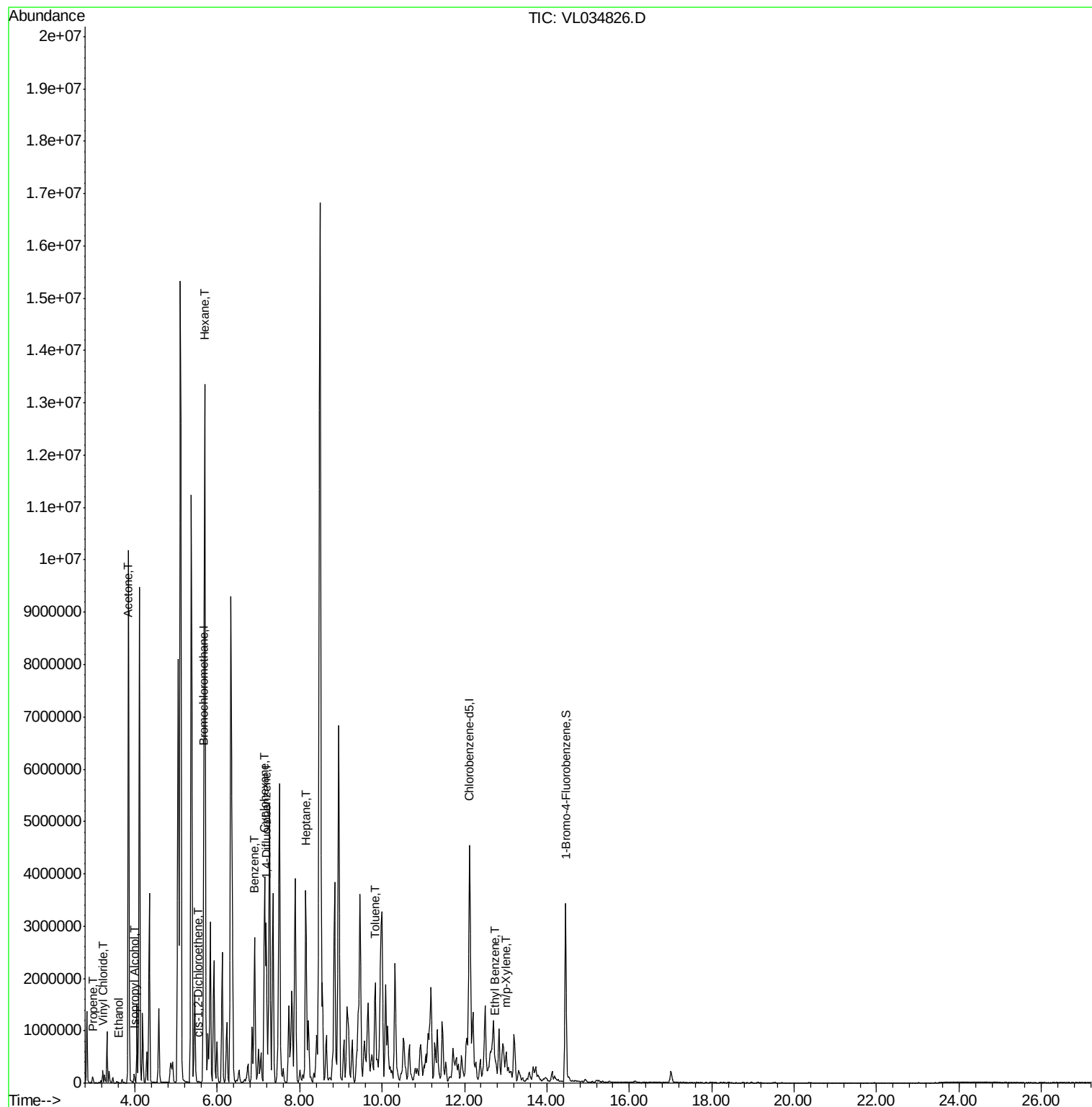
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL030620\
Data File : VL034826.D
Acq On : 6 Mar 2020 22:29
Operator : SY/AP
Sample : L1698-04DL2 600X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

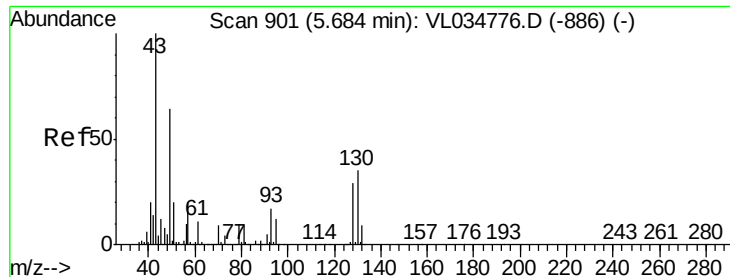
Instrument :
MSVOA_L
ClientSampleId :
SS-4-4DL2

Manual Integrations
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3/9/2020 9:20:43 AM

Quant Time: Mar 07 05:57:49 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: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

Instrument :

MSVOA_L

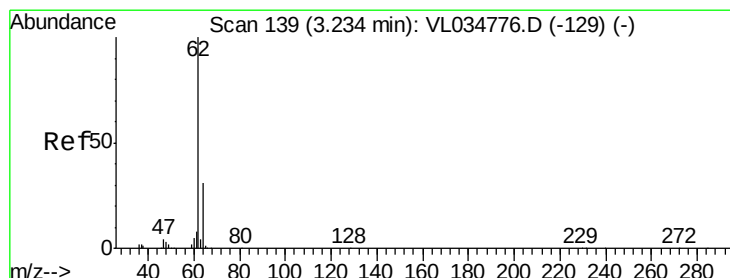
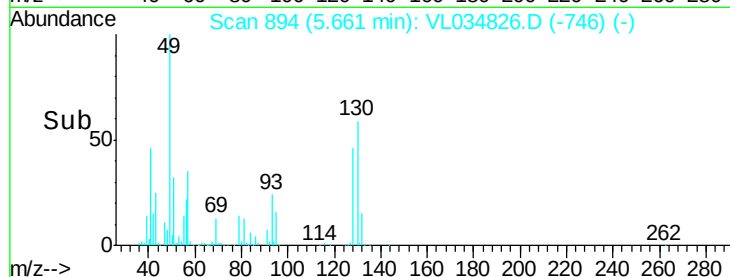
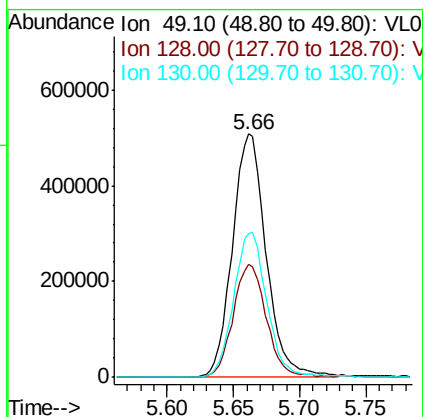
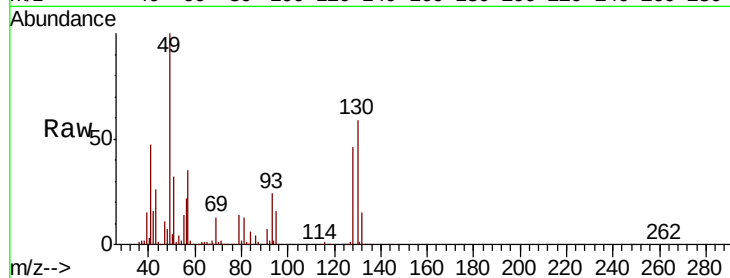
ClientSampleId :

SS-4-4DL2

Tot Ion:	49	Resp:	898438
Ion	Ratio	Lower	Upper
49	100		
128	45.9	21.6	64.6
130	58.9	27.4	82.2

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#5

Vinyl Chloride

Concen: 3.180 ppbv

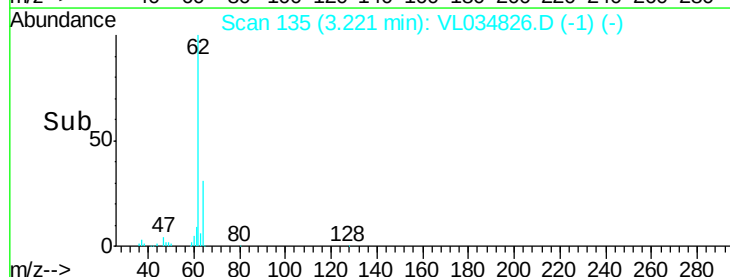
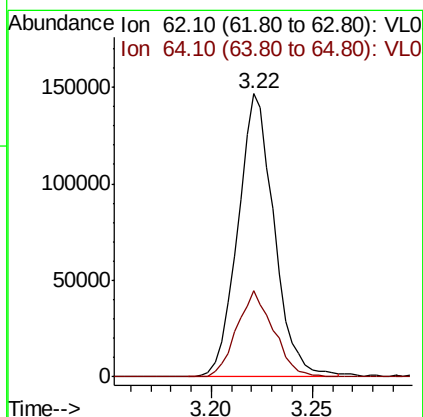
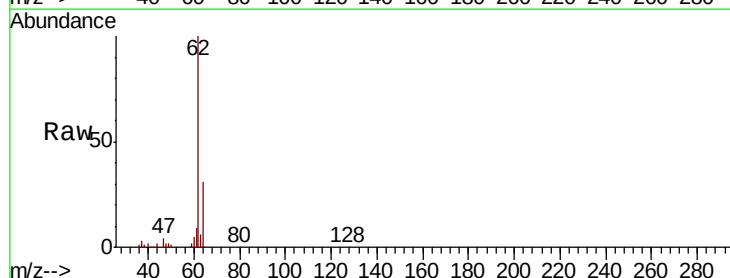
RT: 3.22 min Scan# 135

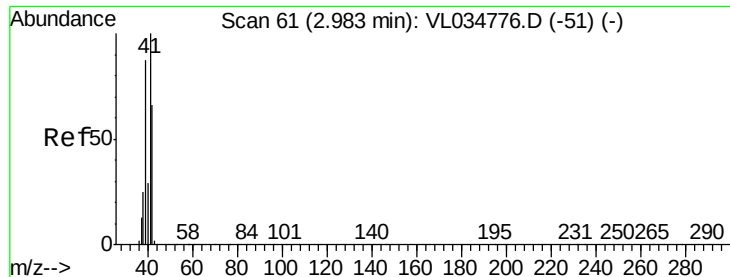
Delta R.T. -0.01 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

Tgt Ion:	62	Resp:	185208
Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.1	37.7





#9

Propene

Concen: 1.175 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

SS-4-4DL2

Tot Ion: 41 Resp: 47351

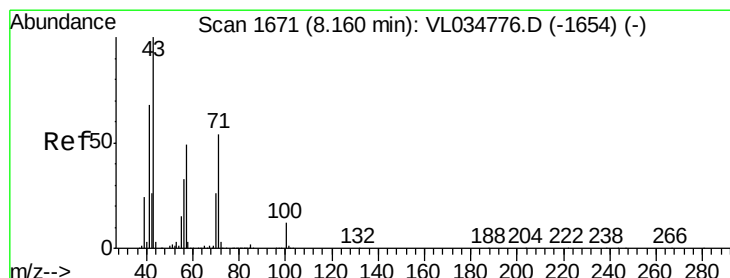
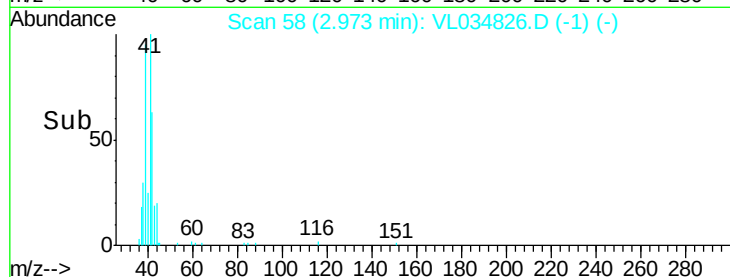
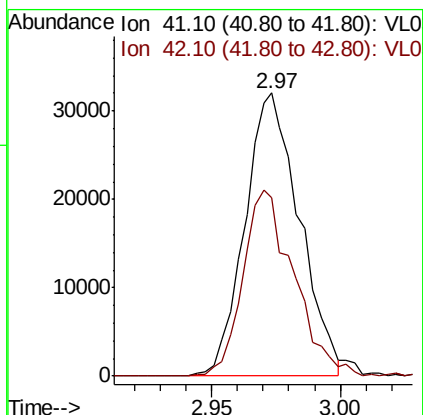
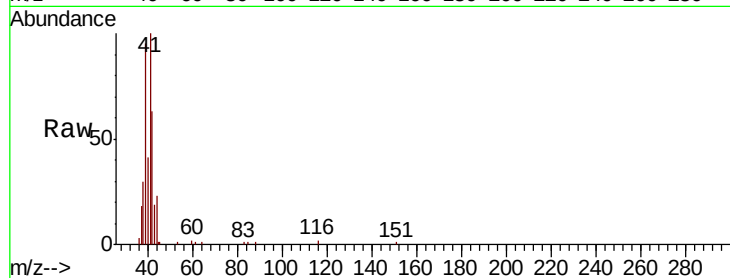
Ion Ratio Lower Upper

41 100

42 61.7 55.6 83.4

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#10

Heptane

Concen: 17.119 ppbv

RT: 8.15 min Scan# 1667

Delta R.T. -0.01 min

Lab File: VL034826.D

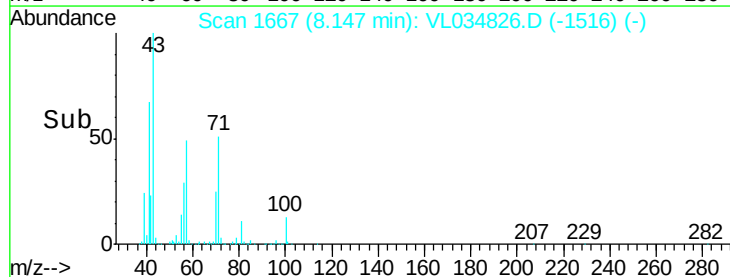
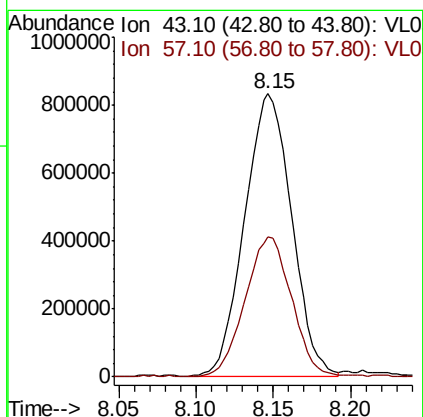
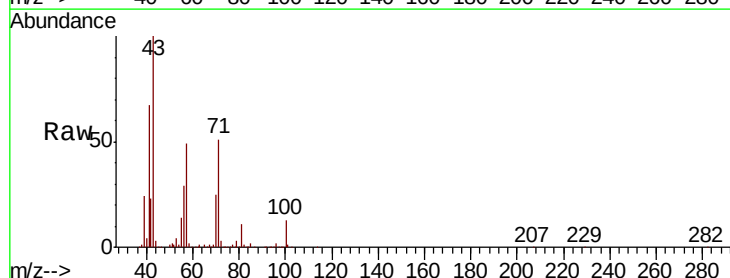
Acq: 6 Mar 2020 22:29

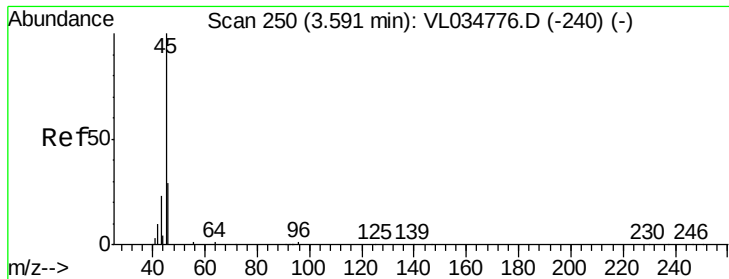
Tgt Ion: 43 Resp: 1752902

Ion Ratio Lower Upper

43 100

57 49.5 40.5 60.7





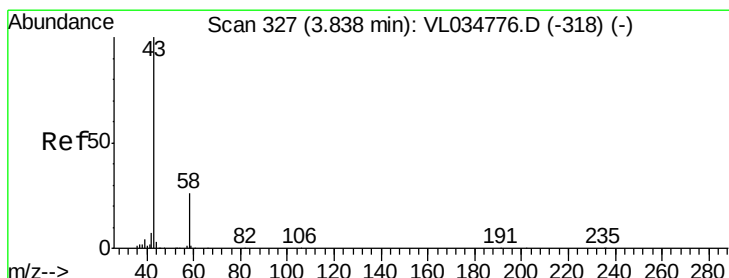
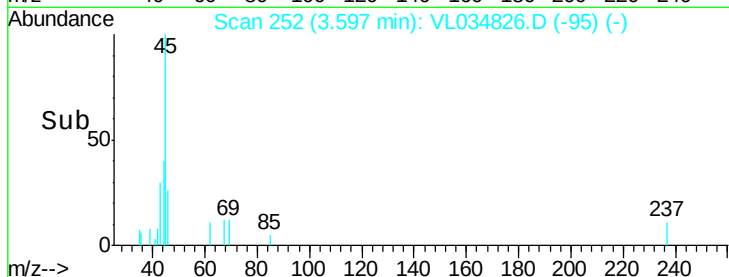
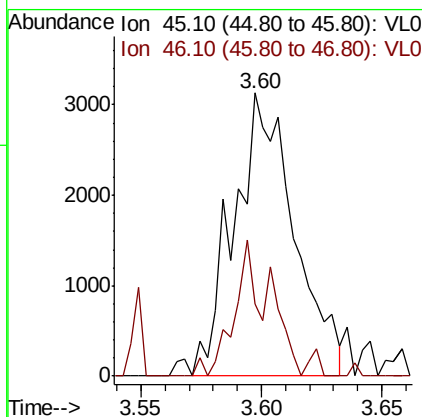
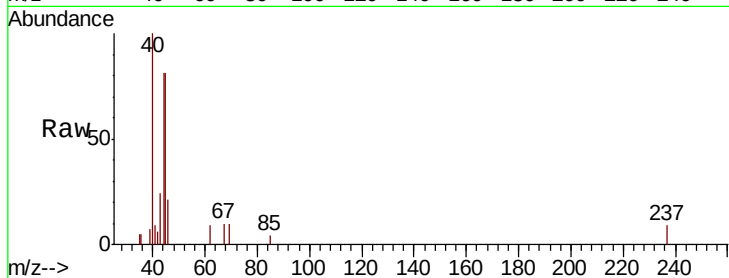
#13
Ethanol
Concen: 0.394 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. 0.01 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Instrument :
MSVOA_L
ClientSampleId :
SS-4-DL2

Tot Ion: 45 Resp: 5443
Ion Ratio Lower Upper
45 100
46 0.0 14.7 58.9#

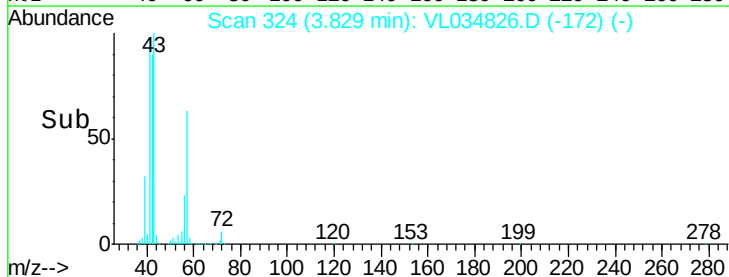
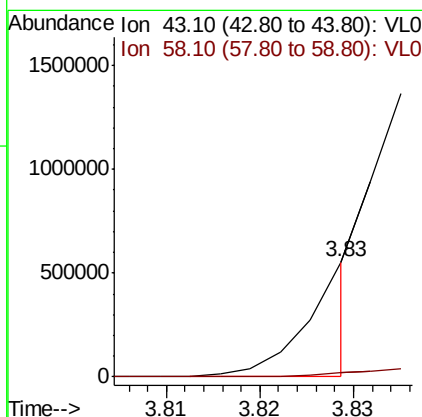
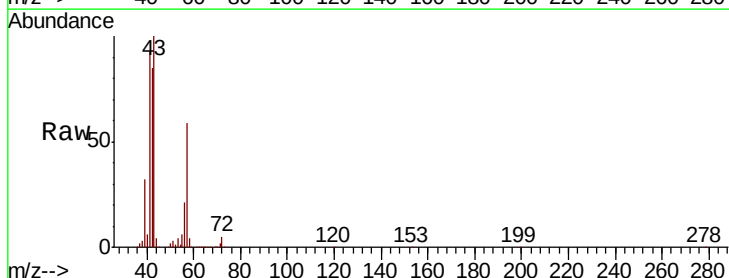
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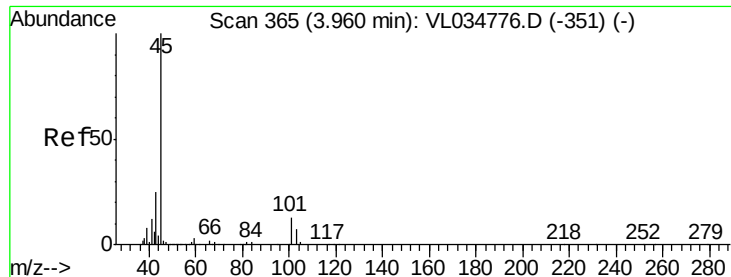
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#15
Acetone
Concen: 1.799 ppbv m
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Tgt Ion: 43 Resp: 193524
Ion Ratio Lower Upper
43 100
58 63.2 21.0 31.6#





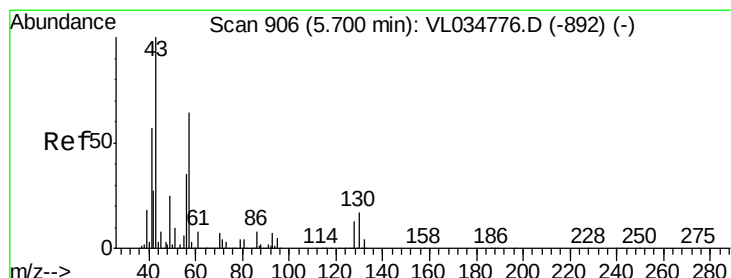
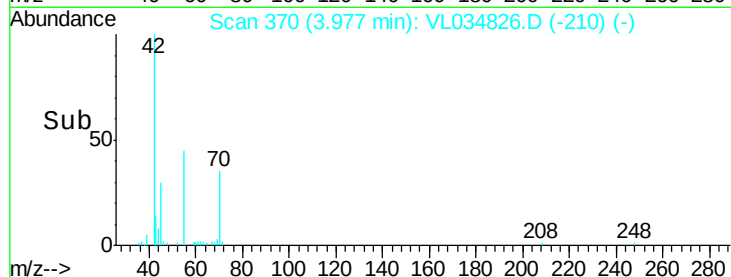
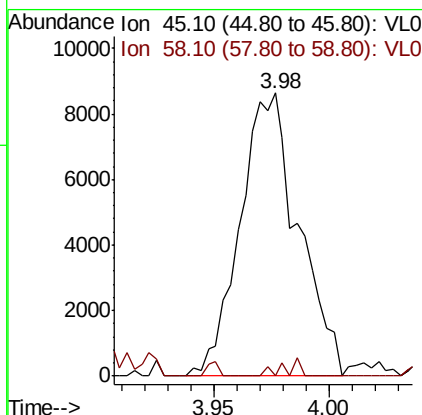
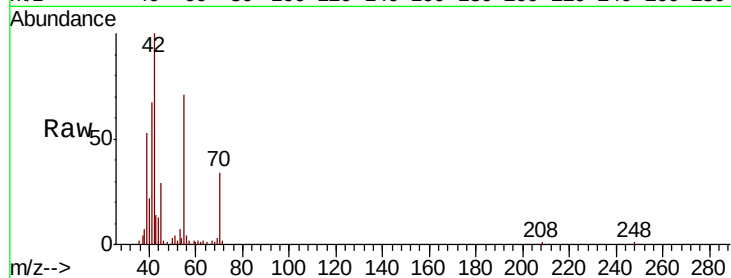
#19
Isopropyl Alcohol
Concen: 0.236 ppbv m
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Instrument :
MSVOA_L
ClientSampleId :
SS-4-4DL2

Tot Ion: 45 Resp: 15207
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.8#

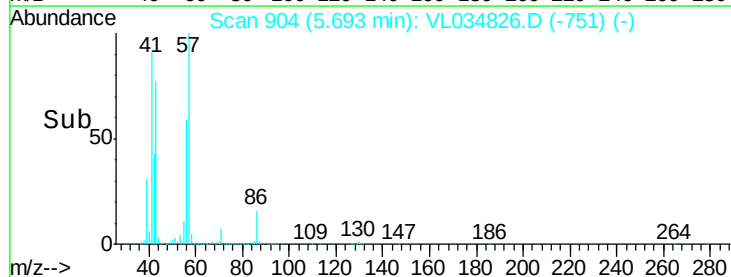
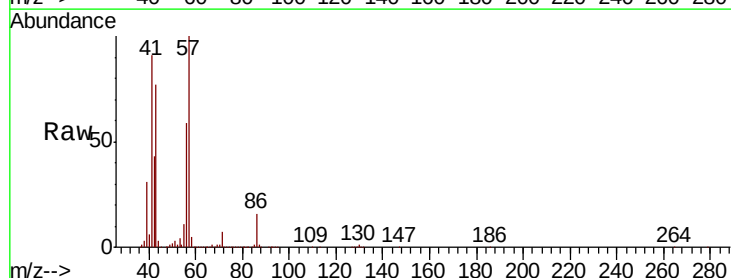
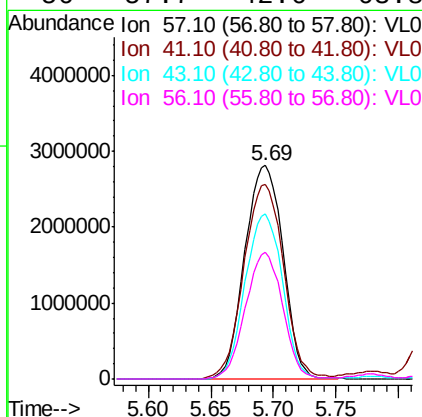
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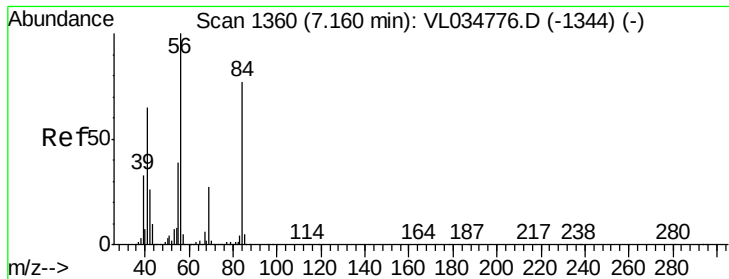
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#26
Hexane
Concen: 73.581 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Tgt Ion: 57 Resp: 5976280
Ion Ratio Lower Upper
57 100
41 94.7 72.0 108.0
43 75.5 179.1 268.7#
56 57.7 42.6 63.8





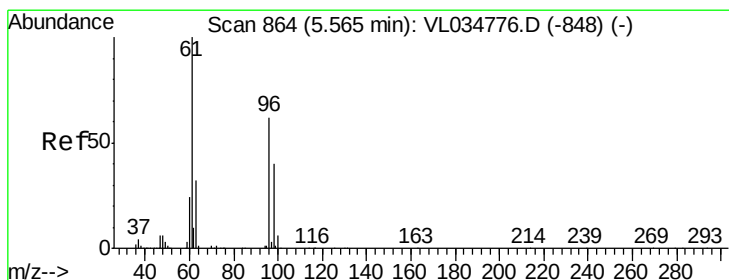
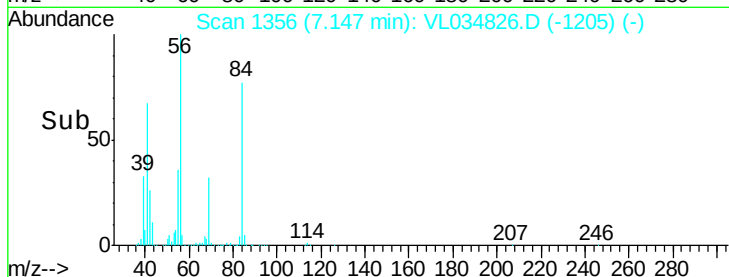
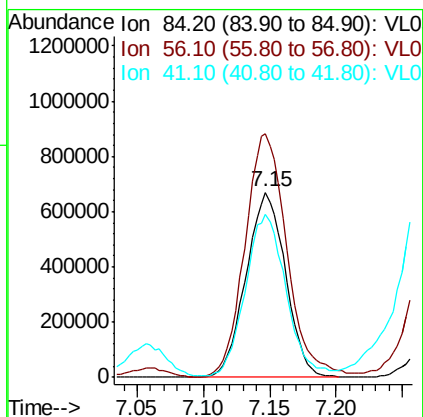
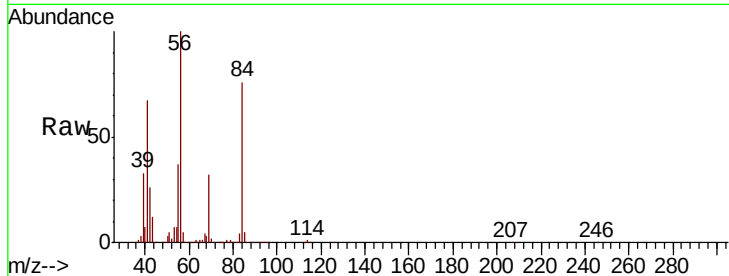
#30
Cyclohexane
Concen: 22.316 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.01 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Instrument :
MSVOA_L
ClientSampled :
SS-4-DL2

Tot Ion	Ratio	Lower	Upper
84	100		
56	140.2	113.2	169.8
41	90.1	70.2	105.4

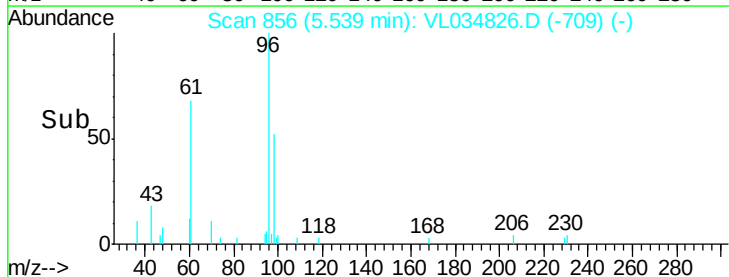
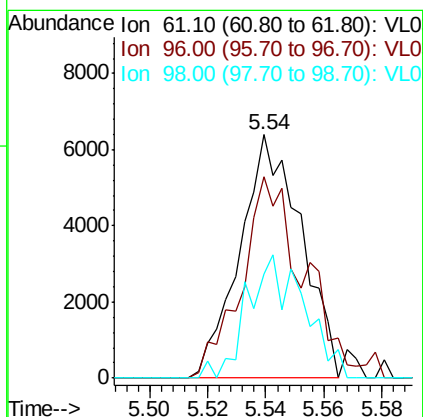
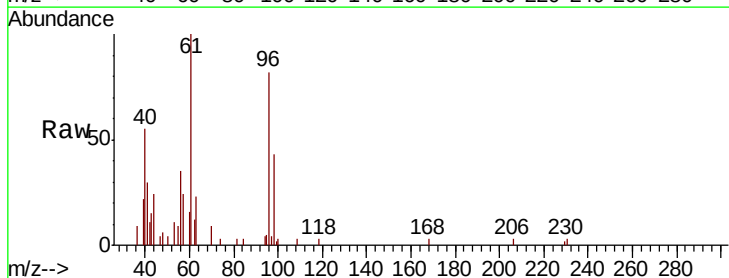
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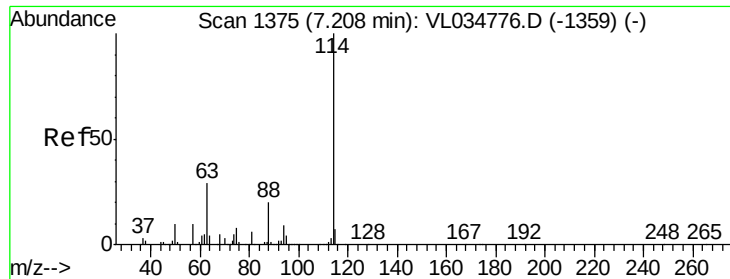
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#31
cis-1,2-Dichloroethene
Concen: 0.113 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL034826.D
Acq: 6 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
61	100		
96	82.5	49.7	74.5#
98	42.8	31.9	47.9





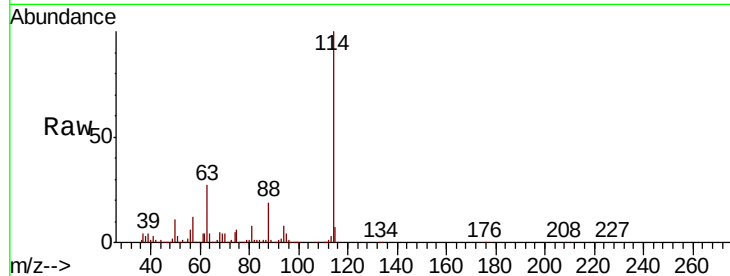
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.02 min
 Lab File: VL034826.D
 Acq: 6 Mar 2020 22:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL2

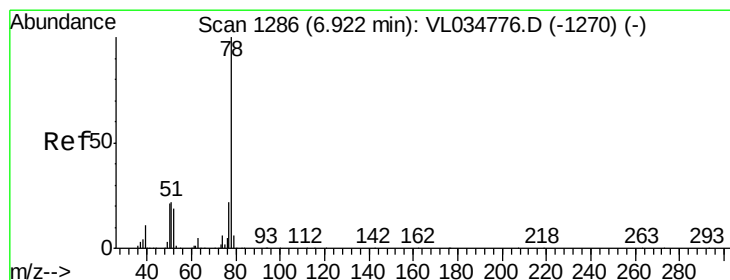
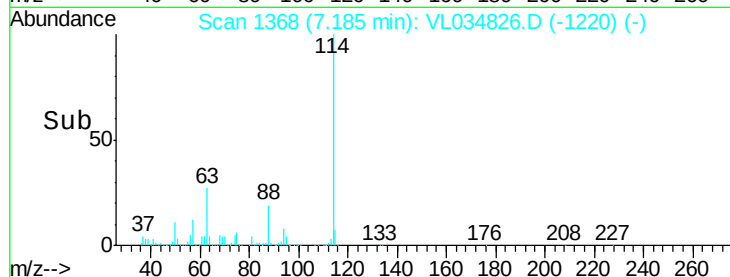
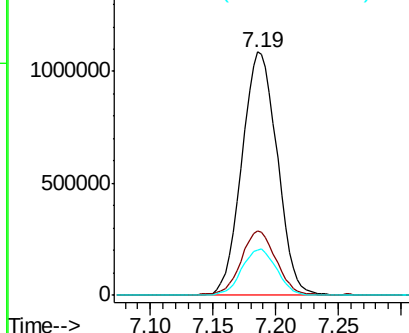
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.7	23.6	35.4
88	18.7	15.8	23.8

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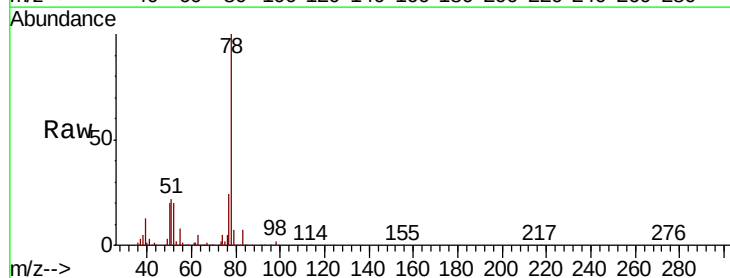


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

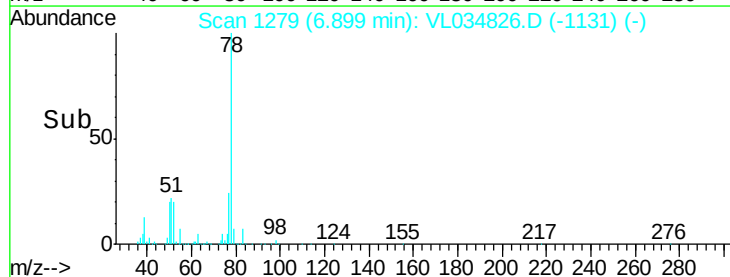
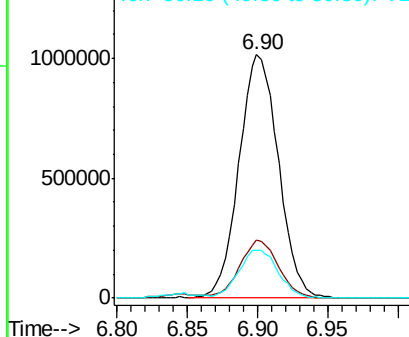


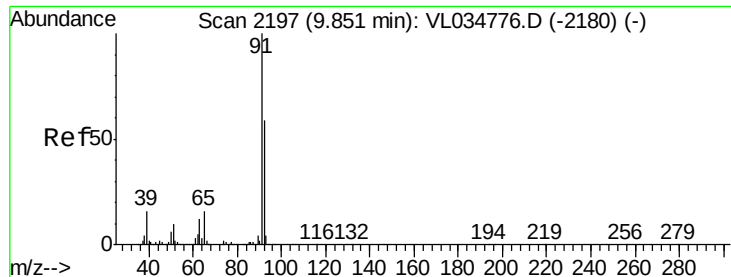
#36
 Benzene
 Concen: 10.796 ppbv
 RT: 6.90 min Scan# 1279
 Delta R.T. -0.02 min
 Lab File: VL034826.D
 Acq: 6 Mar 2020 22:29

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.0	27.0
50	19.8	16.9	25.3



Abundance Ion 78.10 (77.80 to 78.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0
 Ion 50.10 (49.80 to 50.80): VL0





#53

Toluene

Concen: 2.923 ppbv

RT: 9.83 min Scan# 2192

Delta R.T. -0.02 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

SS-4-DL2

Tot Ion: 91 Resp: 564937

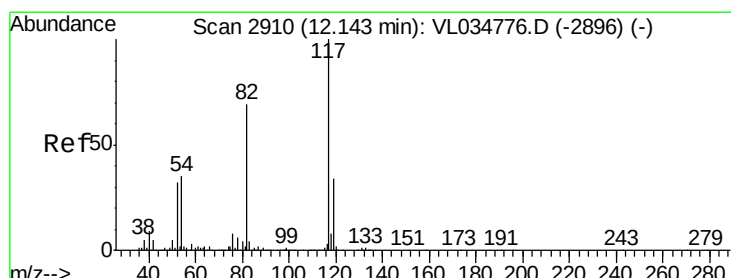
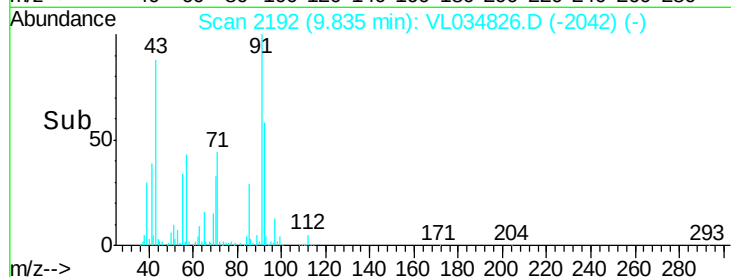
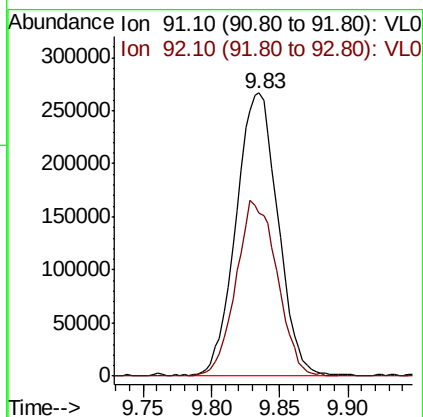
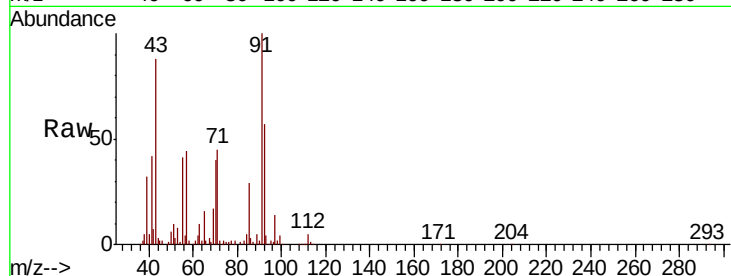
Ion Ratio Lower Upper

91 100

92 61.6 48.2 72.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.02 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

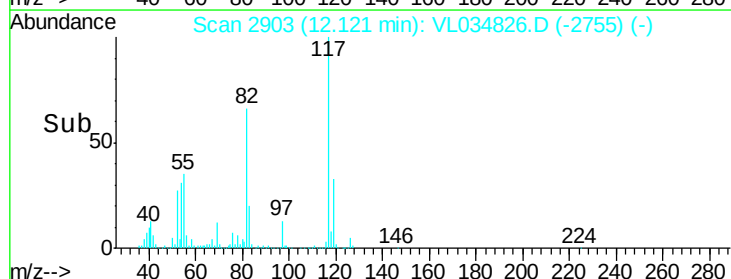
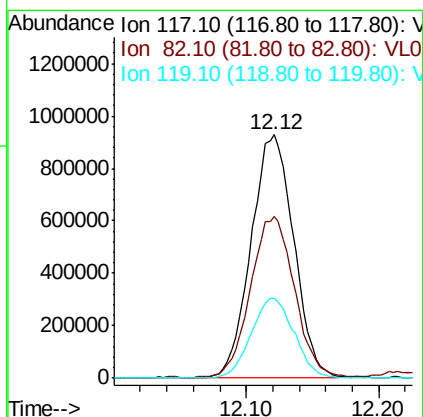
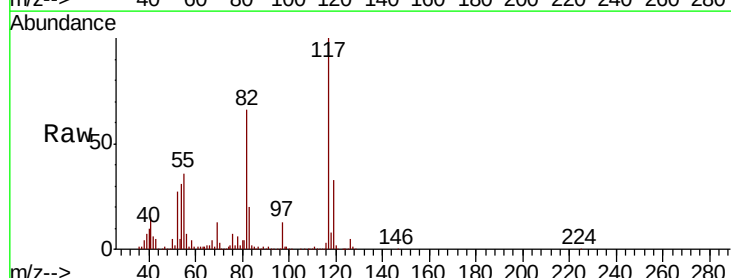
Tgt Ion: 117 Resp: 2078584

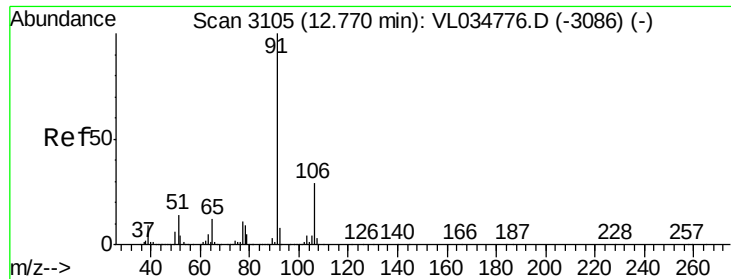
Ion Ratio Lower Upper

117 100

82 69.0 53.9 80.9

119 32.9 25.0 37.4





#58

Ethyl Benzene

Concen: 0.168 ppbv m

RT: 12.75 min Scan# 3098

Delta R.T. -0.02 min

Lab File: VL034826.D

Acq: 6 Mar 2020 22:29

Instrument :

MSVOA_L

ClientSampleId :

SS-4-DL2

Tot Ion: 91 Resp: 43086

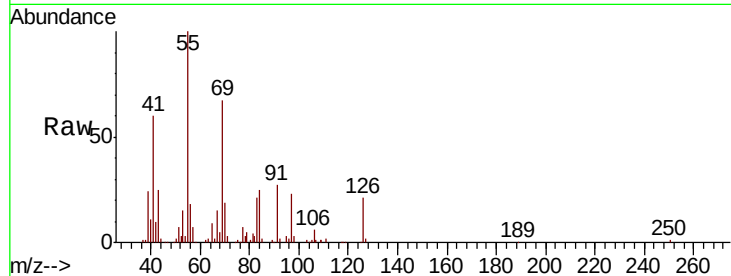
Ion Ratio Lower Upper

91 100

106 24.0 22.8 34.2

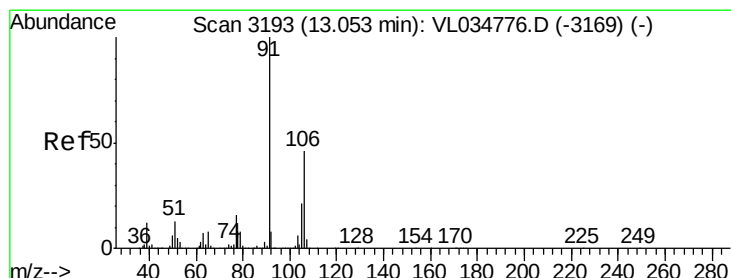
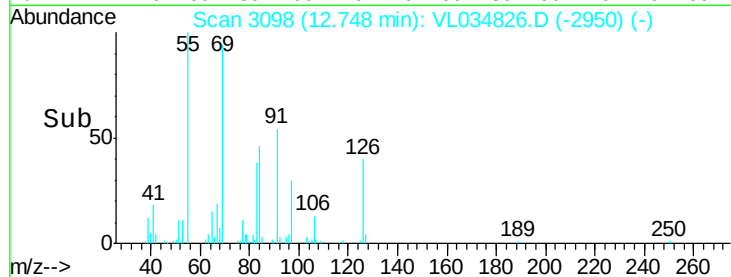
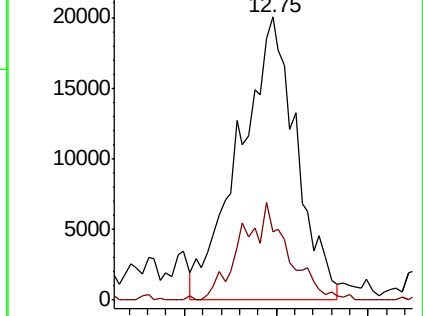
Manual Integrations
APPROVED

MMDadoda
3/9/2020 9:20:43 AM



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.159 ppbv m

RT: 13.00 min Scan# 3177

Delta R.T. -0.05 min

Lab File: VL034826.D

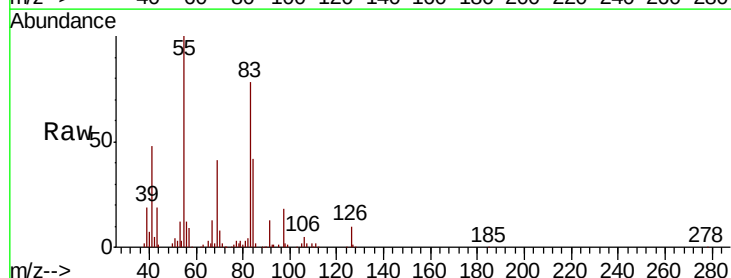
Acq: 6 Mar 2020 22:29

Tgt Ion: 91 Resp: 35243

Ion Ratio Lower Upper

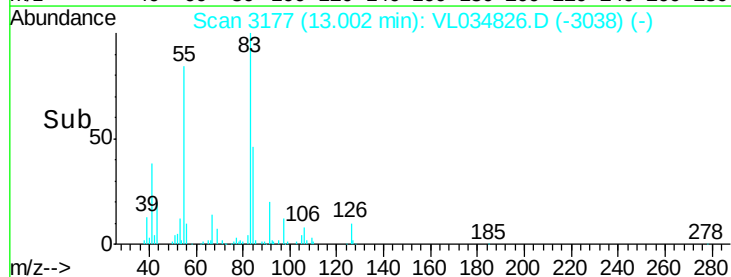
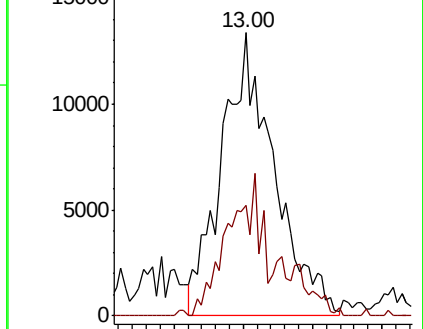
91 100

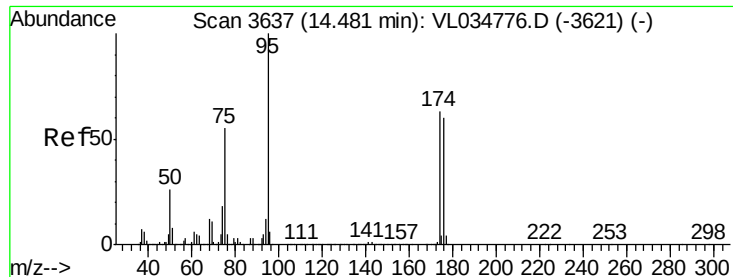
106 0.0 35.8 53.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.694 ppbv
 RT: 14.46 min Scan# 3629
 Delta R.T. -0.03 min
 Lab File: VL034826.D
 Acq: 6 Mar 2020 22:29

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-4-4DL2

Tot Ion	Ratio	Lower	Upper
95	100		
174	70.6	50.6	76.0
175	5.6	3.8	5.6

Manual Integrations
 APPROVED

MMDadoda
 3/9/2020 9:20:43 AM

