

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035601.D
 Acq On : 14 Sep 2020 16:36
 Operator : SY/AP
 Sample : L3983-07DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL

Manual Integrations
 APPROVED

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 9/17/2020 5:40:08 PM

Quant Time: Sep 15 16:05:12 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Sep 14 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1142844	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4798596	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4829814	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	3639708	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	58475	1.200	ppbv #	75
10) Heptane	8.13	43	88768	0.678	ppbv	99
15) Acetone	3.84	43	1980500	15.713	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	730709	5.645	ppbv	99
34) 2-Butanone	5.25	43	150050	1.054	ppbv	99
38) Trichloroethene	7.83	130	2532759	14.037	ppbv	95
52) Tetrachloroethene	11.23	164	8859611m	48.823	ppbv	
53) Toluene	9.81	91	590360	1.511	ppbv	97
58) Ethyl Benzene	12.72	91	50152	0.101	ppbv	95
59) m/p-Xylene	12.98	91	158762	0.381	ppbv	95
60) o-Xylene	13.70	91	61502	0.147	ppbv	96
74) 1,2,4-Trimethylbenzene	16.78	105	78284	0.145	ppbv #	67

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

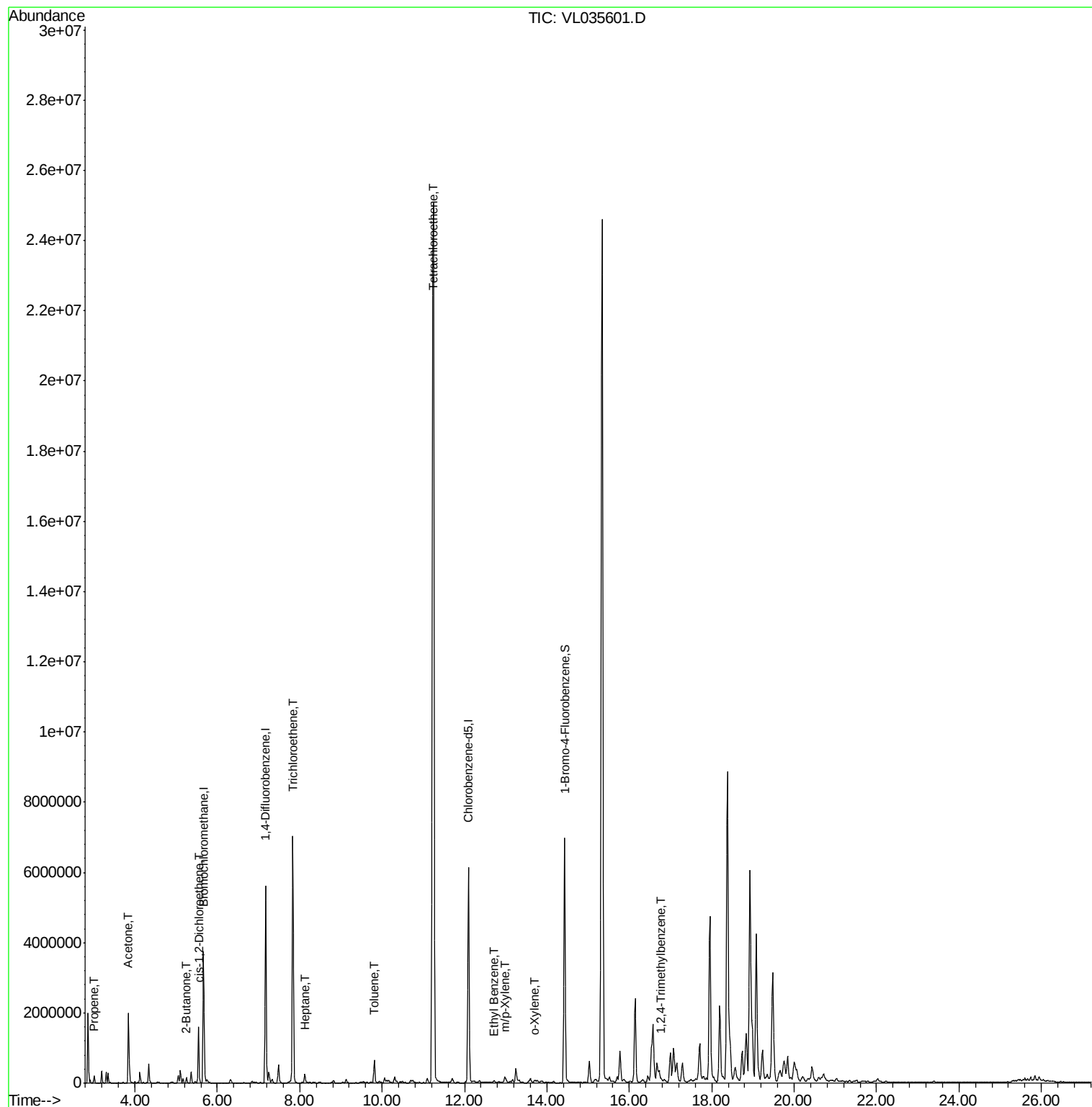
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091420\
Data File : VL035601.D
Acq On : 14 Sep 2020 16:36
Operator : SY/AP
Sample : L3983-07DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-10DL

Manual Integrations
APPROVED

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9/17/2020 5:40:08 PM

Quant Time: Sep 15 16:05:12 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep
QLast Update : Mon Sep 14 15:19:50 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL035601.D

Acq: 14 Sep 2020 16:36

Instrument :

MSVOA_L

ClientSampled :

SV-10DL

Tot Ion: 49 Resp: 1142844

Ion Ratio Lower Upper

49 100

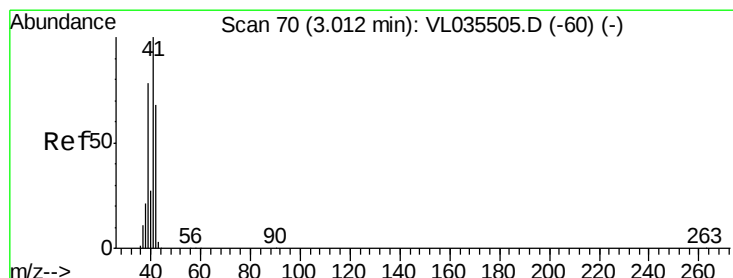
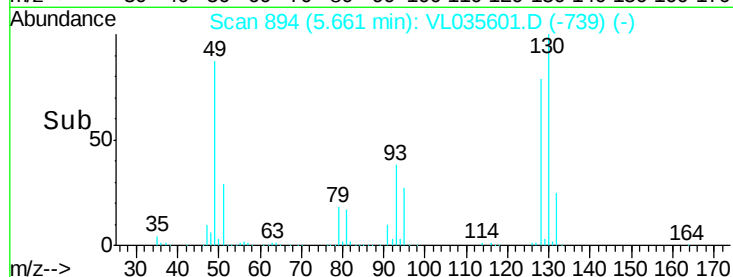
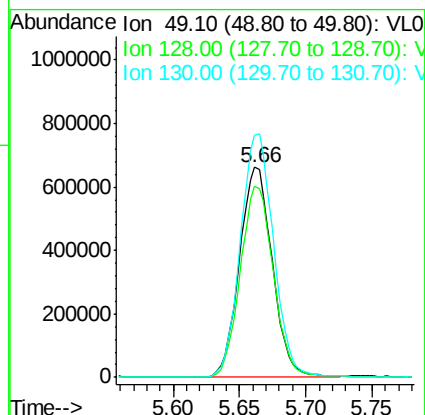
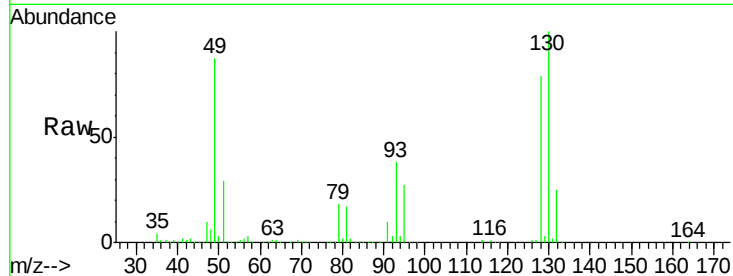
128 92.3 50.0 150.1

130 118.0 64.4 193.2

Manual Integrations
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#9

Propene

Concen: 1.200 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL035601.D

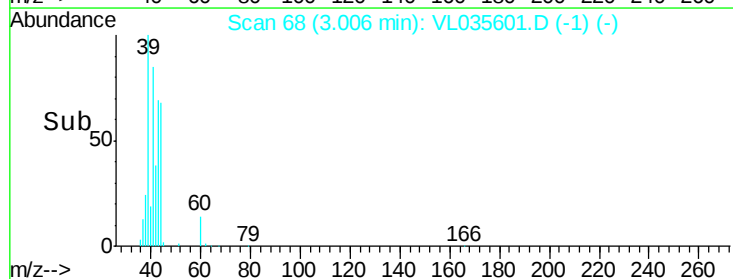
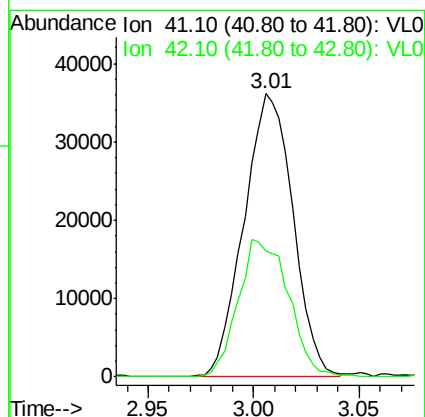
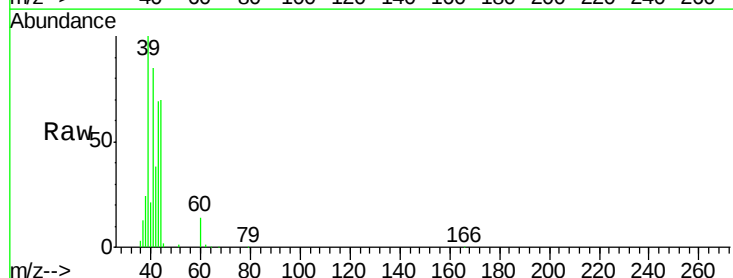
Acq: 14 Sep 2020 16:36

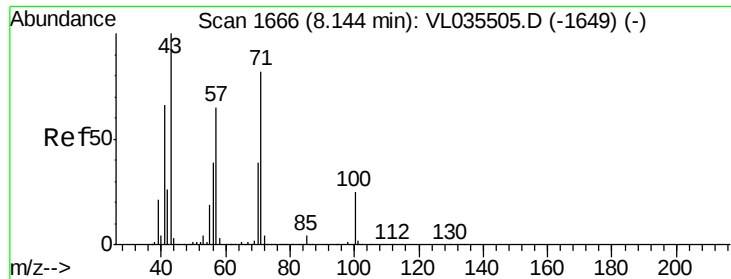
Tgt Ion: 41 Resp: 58475

Ion Ratio Lower Upper

41 100

42 49.7 56.3 84.5#





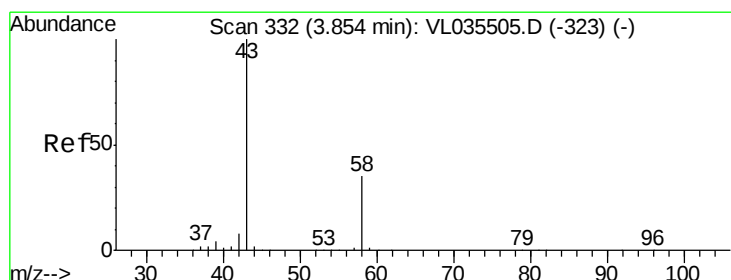
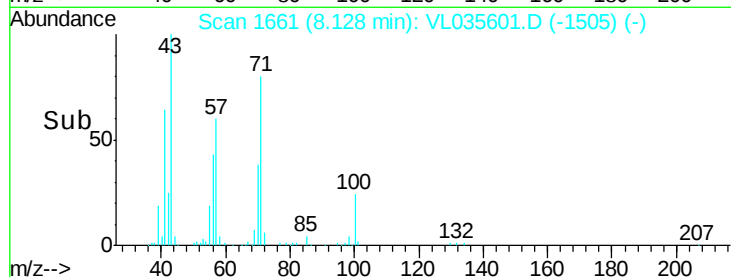
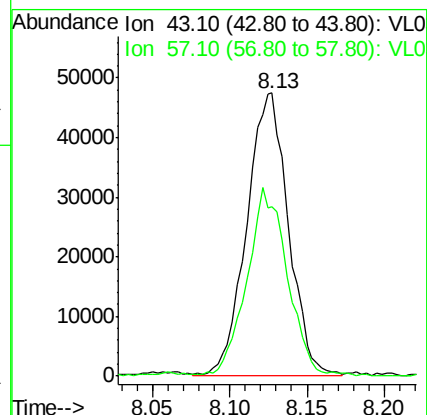
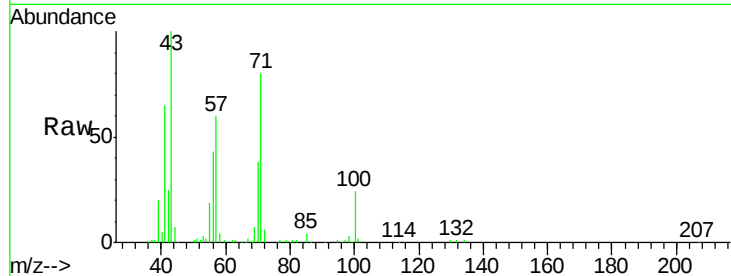
#10
Heptane
Concen: 0.678 ppbv
RT: 8.13 min Scan# 1661
Delta R.T. 0.00 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Instrument :
MSVOA_L
ClientSampled :
SV-10DL

Tot Ion: 43 Resp: 88768
Ion Ratio Lower Upper
43 100
57 65.2 51.4 77.0

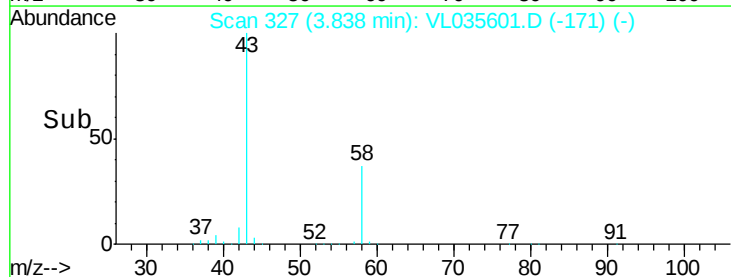
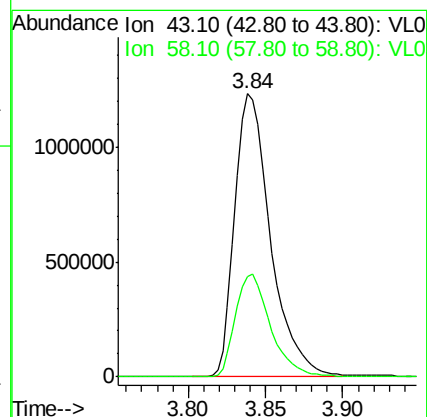
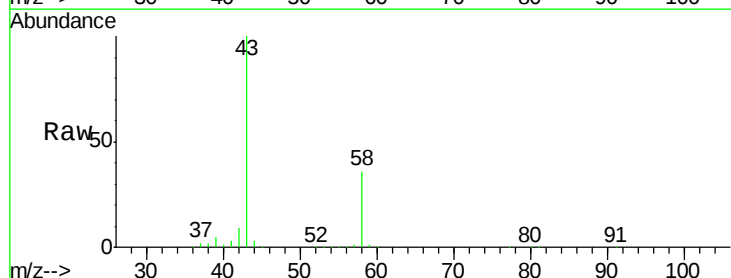
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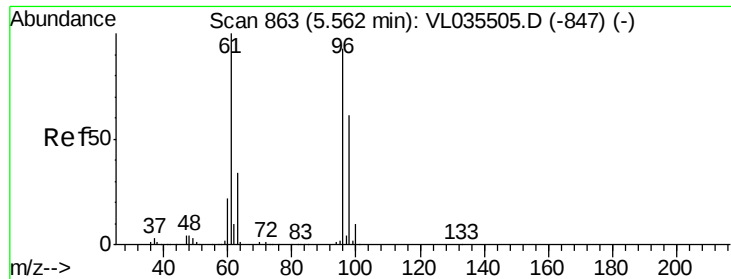
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#15
Acetone
Concen: 15.713 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Tgt Ion: 43 Resp: 1980500
Ion Ratio Lower Upper
43 100
58 35.9 28.4 42.6





#31

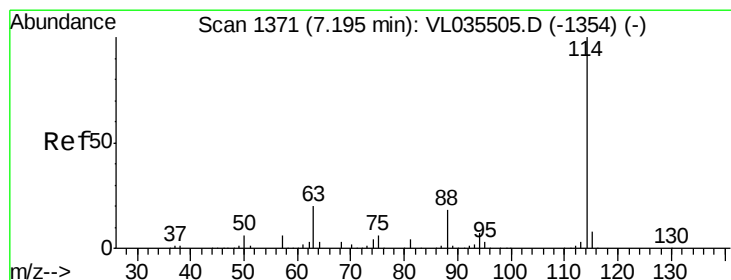
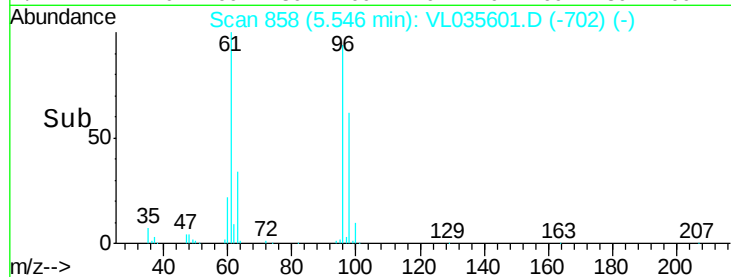
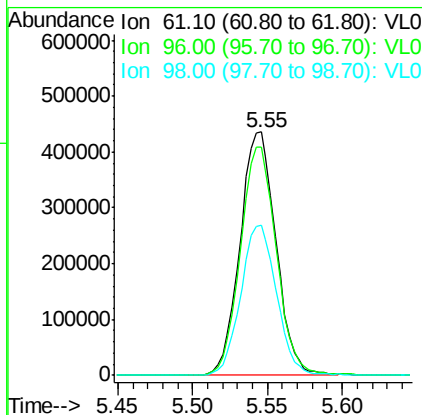
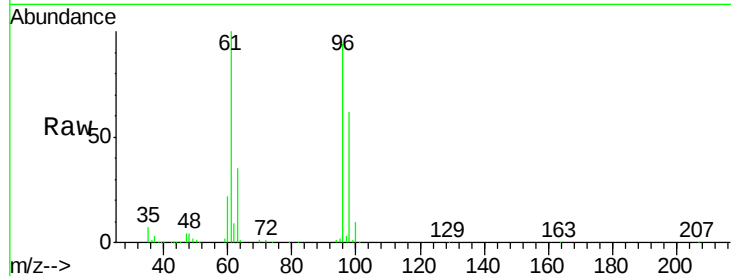
cis-1,2-Dichloroethene
 Concen: 5.645 ppbv
 RT: 5.55 min Scan# 858
 Delta R.T. 0.00 min
 Lab File: VL035601.D
 Acq: 14 Sep 2020 16:36

Instrument :
 MSVOA_L
 ClientSampled :
 SV-10DL

Tot Ion	Ratio	Resp	Lower	Upper
61	100	730709		
96	93.7		74.4	111.6
98	61.9		49.2	73.8

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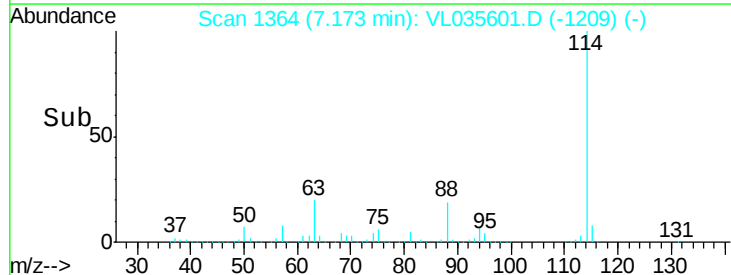
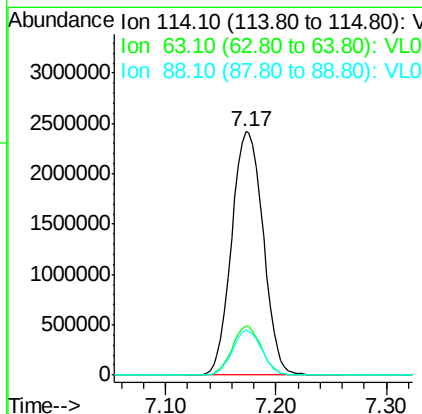
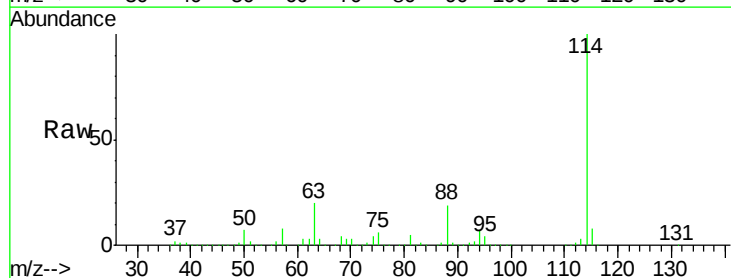
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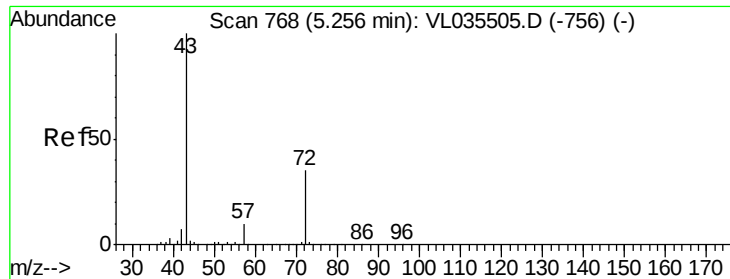


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.00 min
 Lab File: VL035601.D
 Acq: 14 Sep 2020 16:36

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	4798596		
63	18.8		14.7	22.1
88	17.2		13.4	20.2





#34

2-Butanone

Concen: 1.054 ppbv

RT: 5.25 min Scan# 767

Delta R.T. 0.01 min

Lab File: VL035601.D

Acq: 14 Sep 2020 16:36

Instrument :

MSVOA_L

ClientSampleId :

SV-10DL

Tot Ion: 43 Resp: 150050

Ion Ratio Lower Upper

43 100

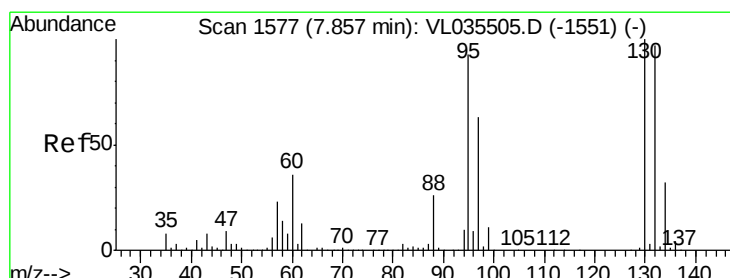
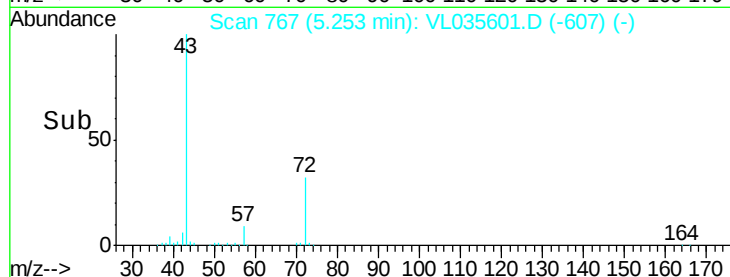
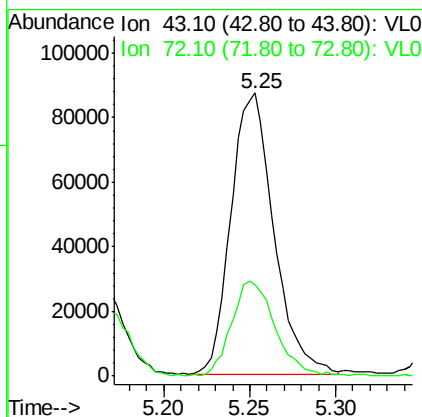
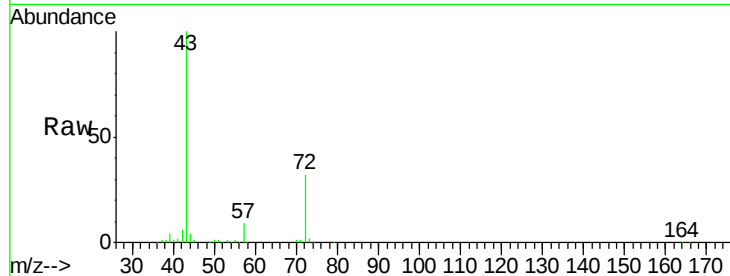
72 34.9 27.7 41.5

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#38

Trichloroethene

Concen: 14.037 ppbv

RT: 7.83 min Scan# 1570

Delta R.T. -0.00 min

Lab File: VL035601.D

Acq: 14 Sep 2020 16:36

Tgt Ion: 130 Resp: 2532759

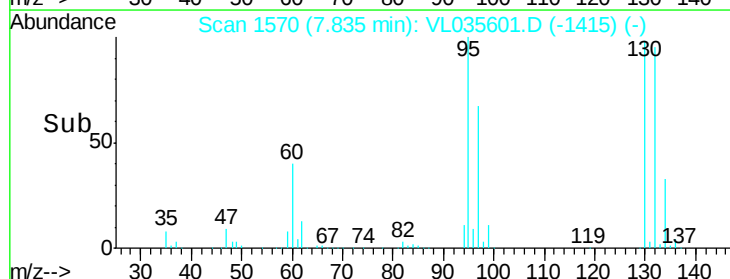
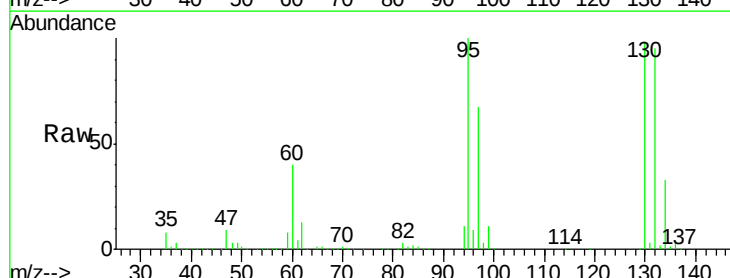
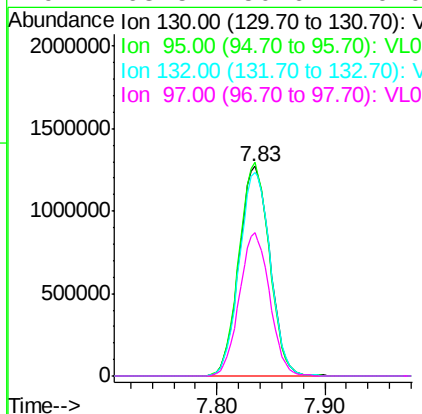
Ion Ratio Lower Upper

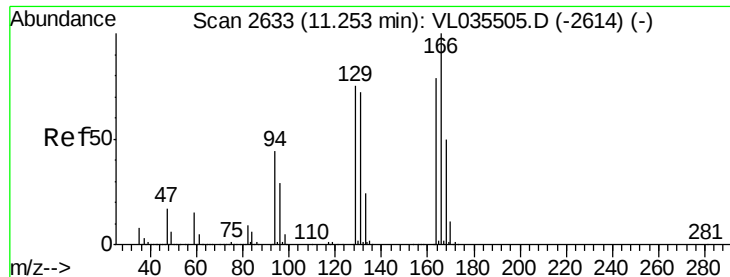
130 100

95 102.0 74.6 112.0

132 97.0 77.6 116.4

97 68.5 50.6 76.0





#52

Tetrachloroethene

Concen: 48.823 ppbv m

RT: 11.23 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL035601.D

Acq: 14 Sep 2020 16:36

Instrument :

MSVOA_L

ClientSampleId :

SV-10DL

Tot Ion:164 Resp: 8859611

Ion Ratio Lower Upper

164 100

166 114.4 100.9 151.3

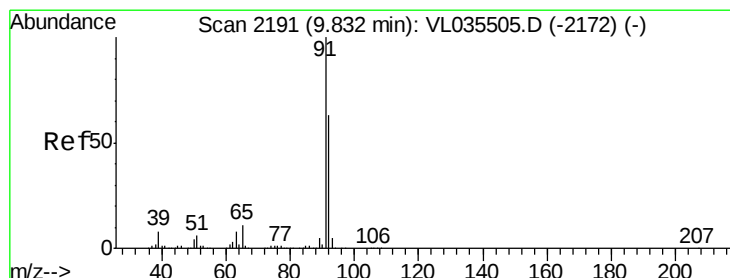
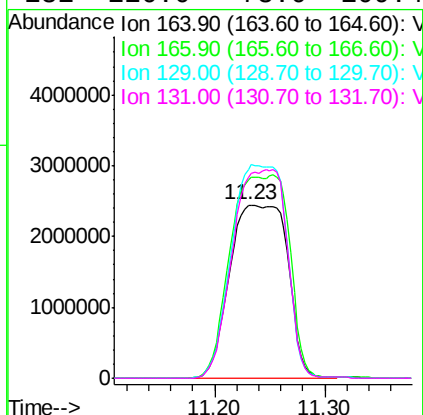
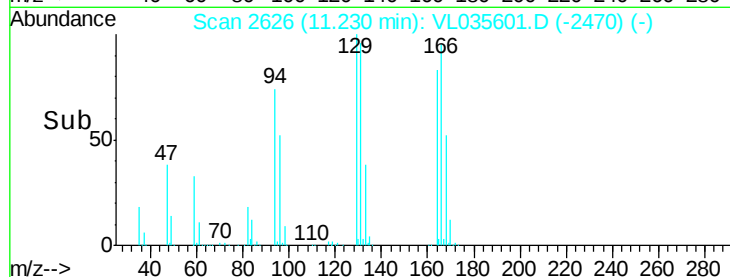
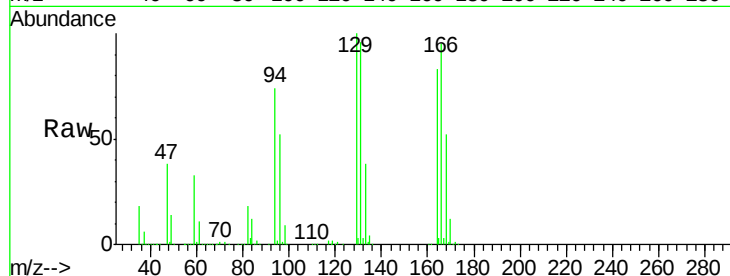
129 120.7 75.3 112.9#

131 116.0 73.0 109.4#

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#53

Toluene

Concen: 1.511 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL035601.D

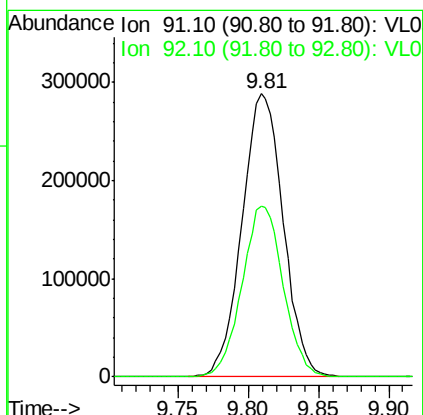
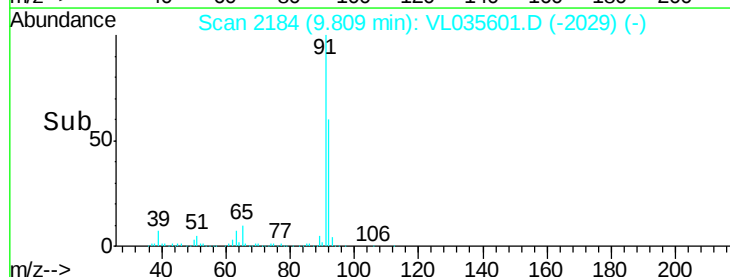
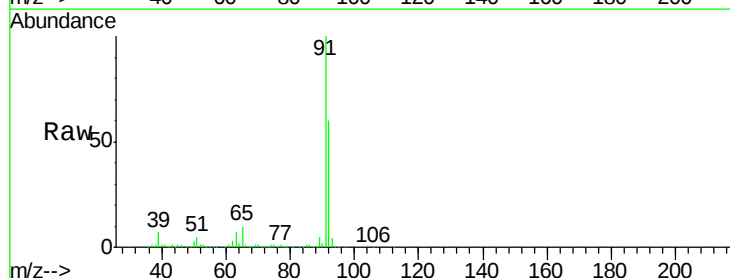
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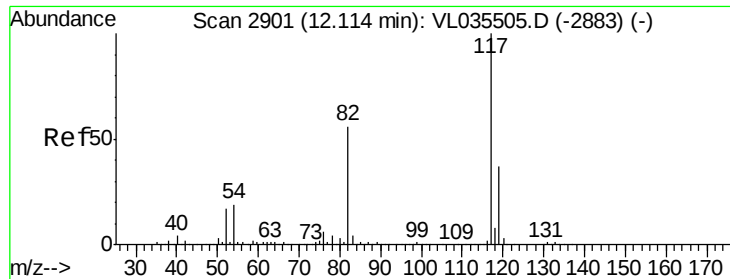
Tgt Ion: 91 Resp: 590360

Ion Ratio Lower Upper

91 100

92 60.4 49.8 74.8





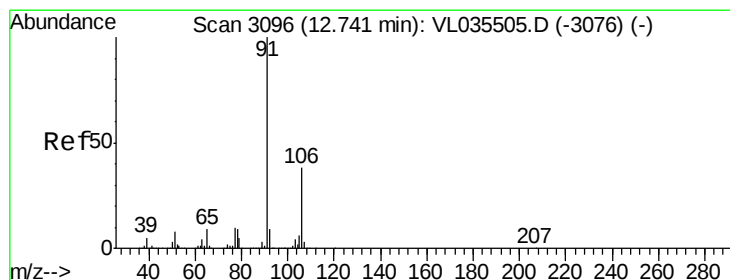
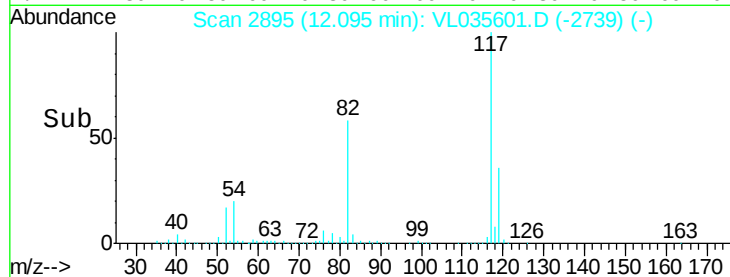
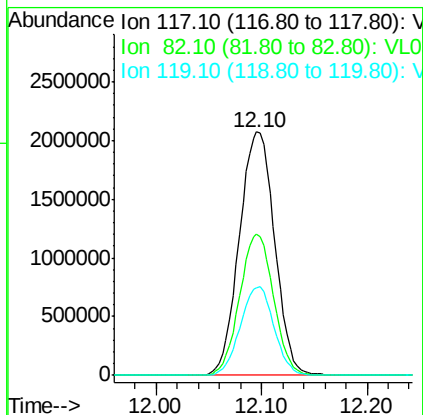
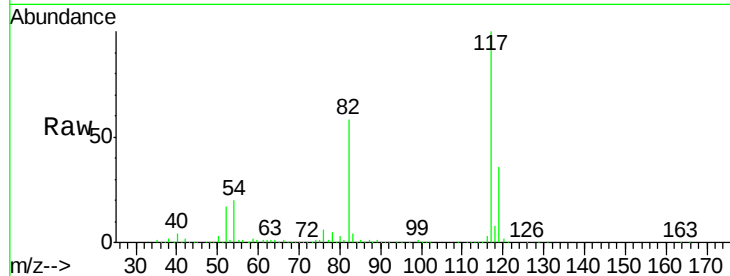
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. 0.00 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Instrument :
MSVOA_L
ClientSampled :
SV-10DL

Tot Ion:117 Resp: 4829814
Ion Ratio Lower Upper
117 100
82 55.8 41.6 62.4
119 35.0 29.3 43.9

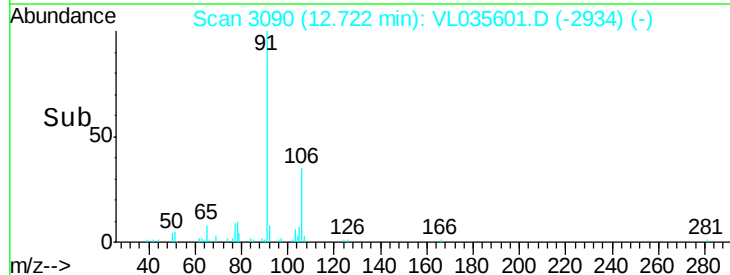
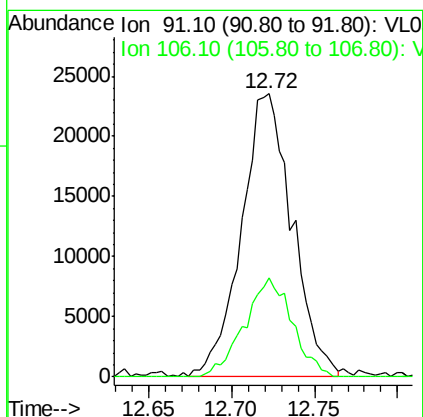
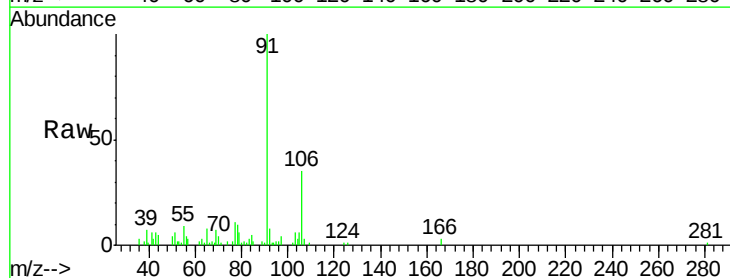
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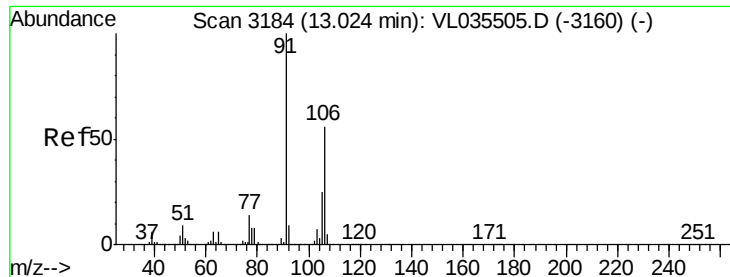
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#58
Ethyl Benzene
Concen: 0.101 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. 0.00 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Tgt Ion: 91 Resp: 50152
Ion Ratio Lower Upper
91 100
106 34.8 30.3 45.5





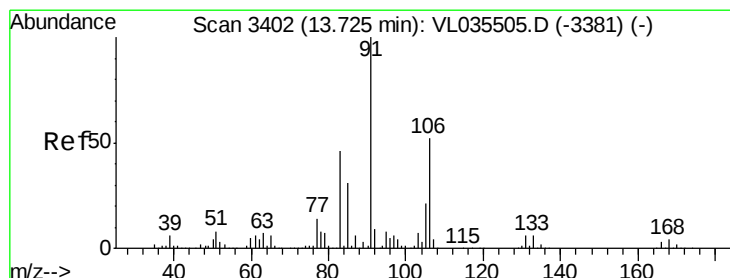
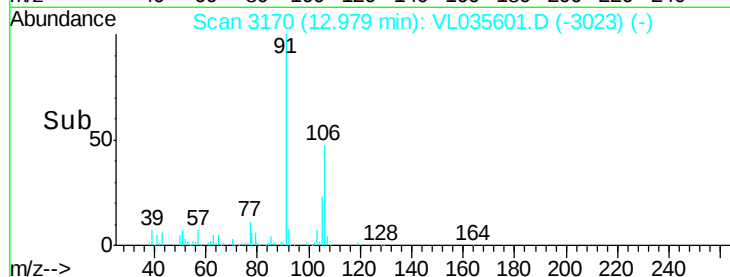
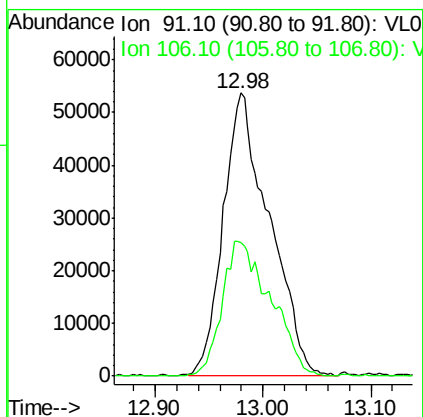
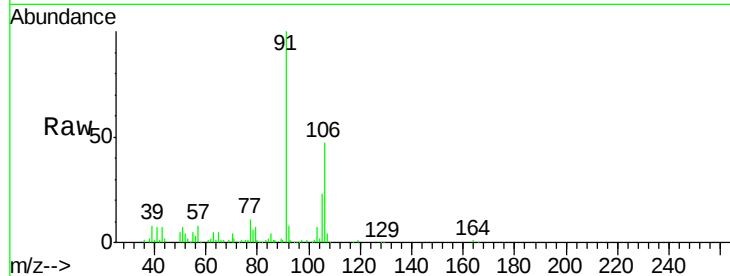
#59
m/p-Xylene
Concen: 0.381 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.03 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Instrument :
MSVOA_L
ClientSampleId :
SV-10DL

Tot Ion: 91 Resp: 158762
Ion Ratio Lower Upper
91 100
106 50.5 43.4 65.2

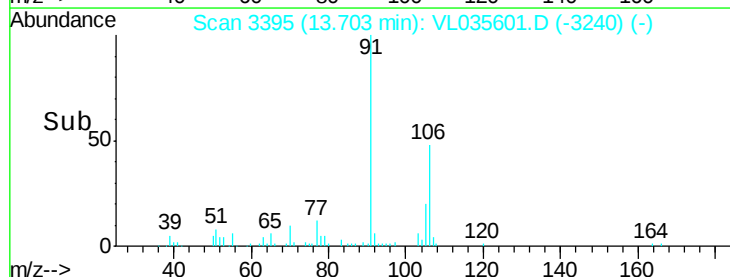
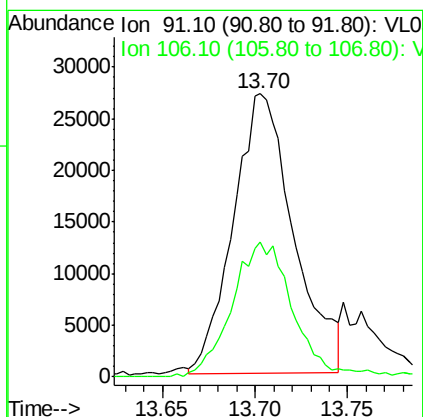
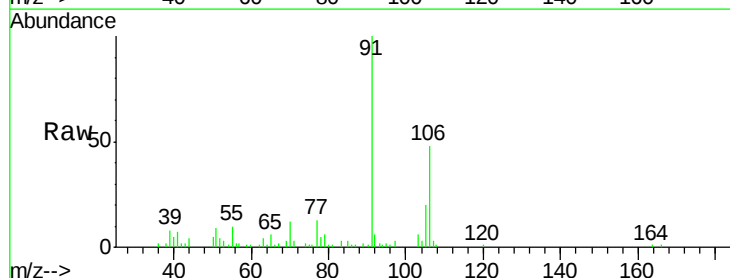
Manual Integrations
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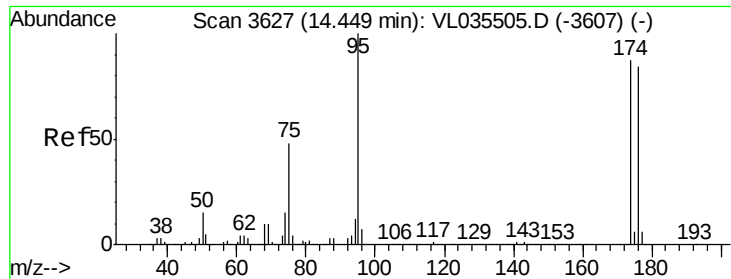
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#60
o-Xylene
Concen: 0.147 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.00 min
Lab File: VL035601.D
Acq: 14 Sep 2020 16:36

Tgt Ion: 91 Resp: 61502
Ion Ratio Lower Upper
91 100
106 48.9 25.8 77.4





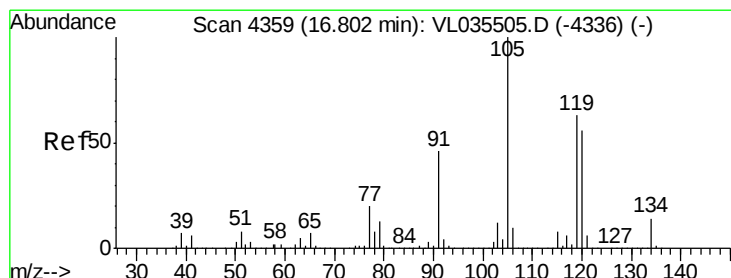
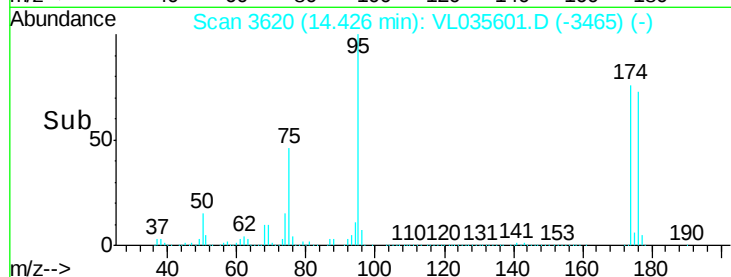
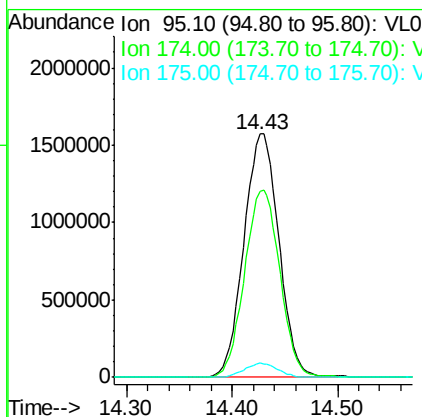
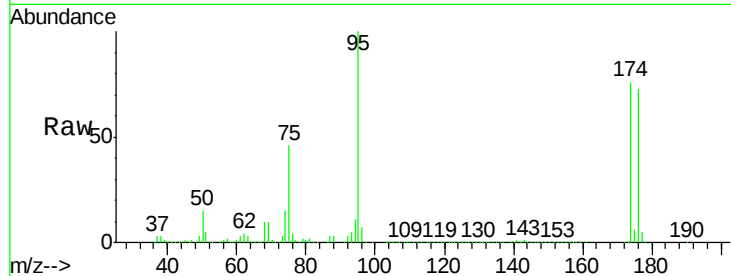
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.612 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL035601.D
 Acq: 14 Sep 2020 16:36

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-10DL

Tot Ion: 95 Resp: 3639708
 Ion Ratio Lower Upper
 95 100
 174 78.2 69.6 104.4
 175 5.7 5.1 7.7

Manual Integrations
 APPROVED

MMDadoda
 9/17/2020 5:40:08 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.145 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.00 min
 Lab File: VL035601.D
 Acq: 14 Sep 2020 16:36

Tgt Ion: 105 Resp: 78284
 Ion Ratio Lower Upper
 105 100
 120 41.1 44.4 66.6#
 91 10.2 37.1 55.7#
 77 10.9 16.0 24.0#

