

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036371.D
 Acq On : 25 Feb 2021 4:48
 Operator : SY/AP
 Sample : M1463-11DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5DL

Manual Integrations
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Quant Time: Feb 25 08:02:04 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_LWed Feb 10
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1587171	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3512028	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3203038	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2639833	10.02	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	21421m	0.291	ppbv	
13) Ethanol	3.61	45	549514	39.790	ppbv	97
15) Acetone	3.85	43	300971	1.551	ppbv #	89
19) Isopropyl Alcohol	3.97	45	636236	5.919	ppbv	100
20) Methylene Chloride	4.34	84	26992m	0.431	ppbv	
26) Hexane	5.69	57	34914m	0.227	ppbv	
44) 2,2,4-Trimethylpentane	7.88	57	151097m	0.279	ppbv	
53) Toluene	9.81	91	204274	0.632	ppbv	99
58) Ethyl Benzene	12.72	91	42880m	0.098	ppbv	
59) m/p-Xylene	12.97	91	106869m	0.277	ppbv	
60) o-Xylene	13.70	91	51204m	0.139	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	46151m	0.114	ppbv	

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

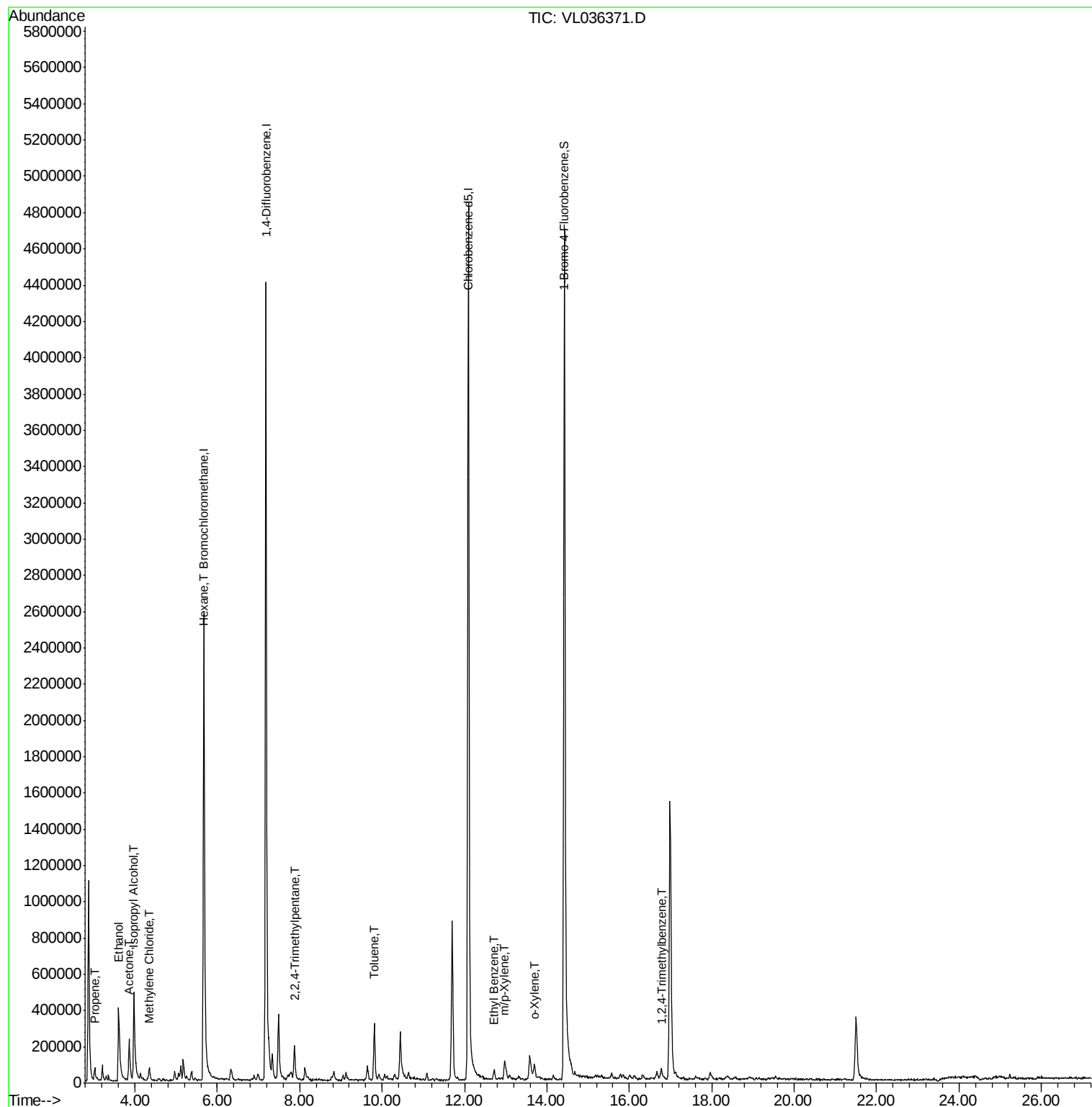
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036371.D
Acq On : 25 Feb 2021 4:48
Operator : SY/AP
Sample : M1463-11DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

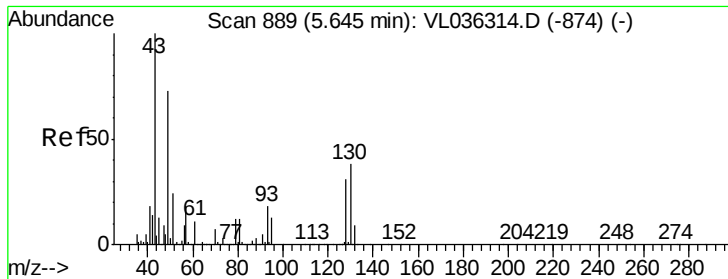
Instrument :
MSVOA_L
ClientSampleId :
NS-5DL

Manual Integrations
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Quant Time: Feb 25 08:02:04 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

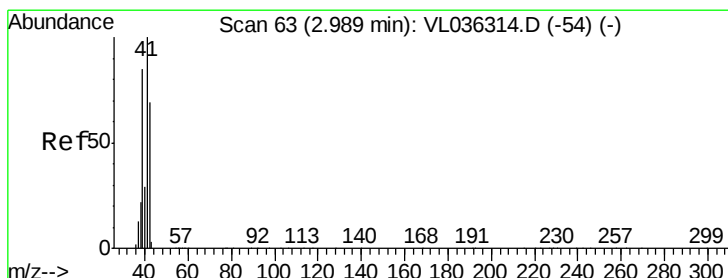
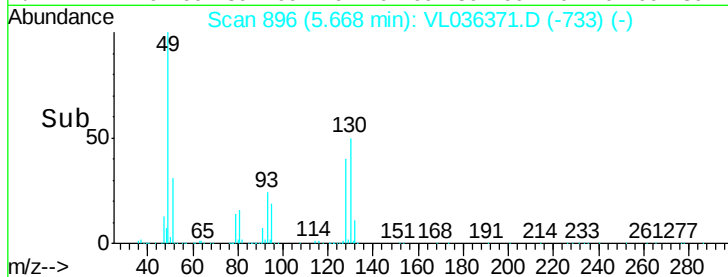
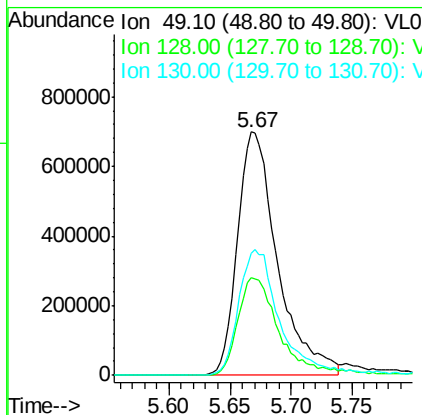
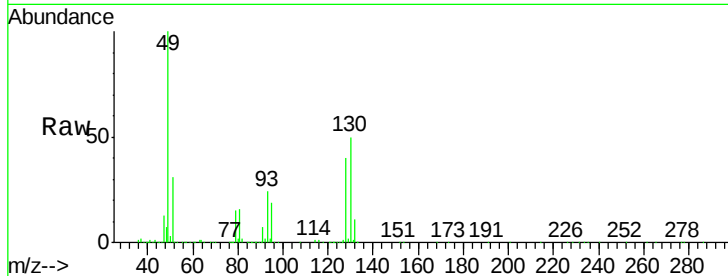
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 896
 Delta R.T. 0.02 min
 Lab File: VL036371.D
 Acq: 25 Feb 2021 4:48

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-5DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	42.5	20.8	62.5
130	53.7	26.7	80.1

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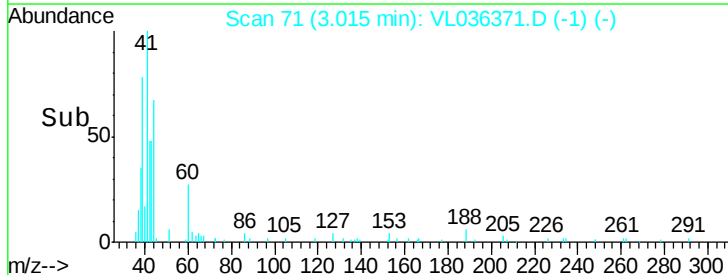
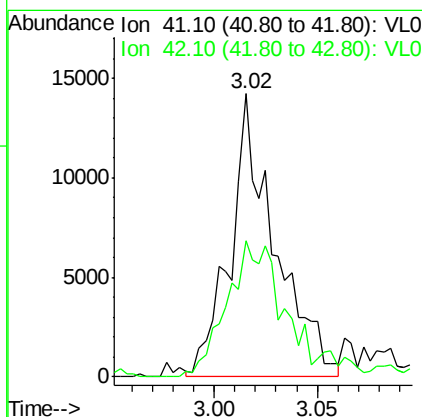
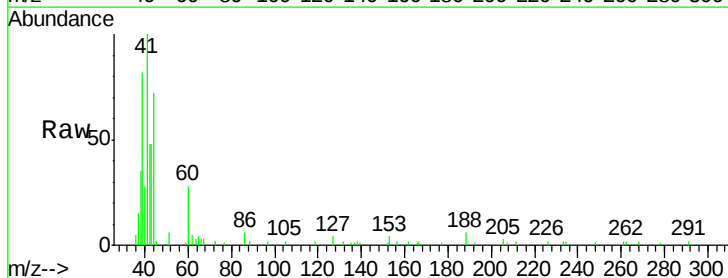
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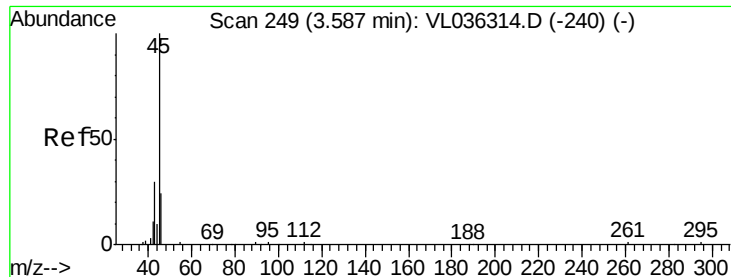


#9

Propene
 Concen: 0.291 ppbv m
 RT: 3.02 min Scan# 71
 Delta R.T. 0.03 min
 Lab File: VL036371.D
 Acq: 25 Feb 2021 4:48

Tgt Ion	Ratio	Lower	Upper
41	100		
42	4.2	56.2	84.2





#13

Ethanol

Concen: 39.790 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.02 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Instrument :

MSVOA_L

ClientSampleId :

NS-5DL

Tot Ion: 45 Resp: 549514

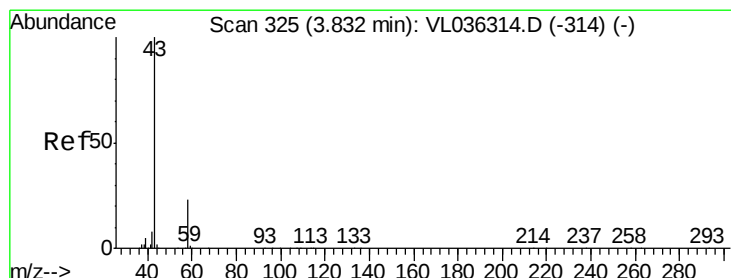
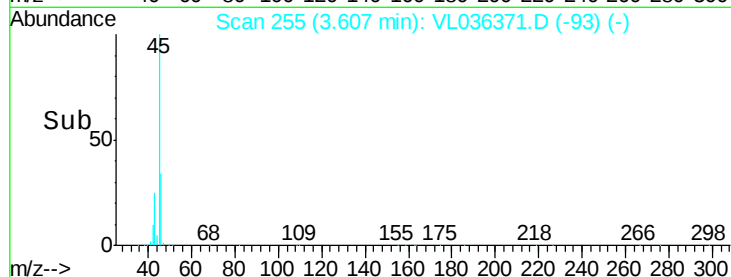
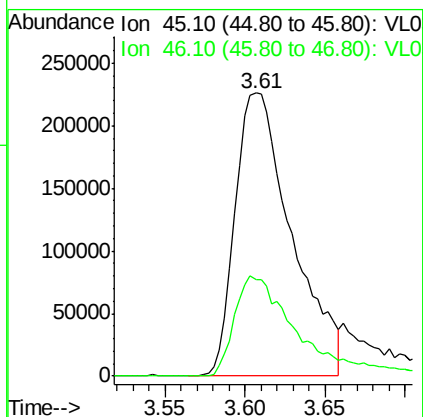
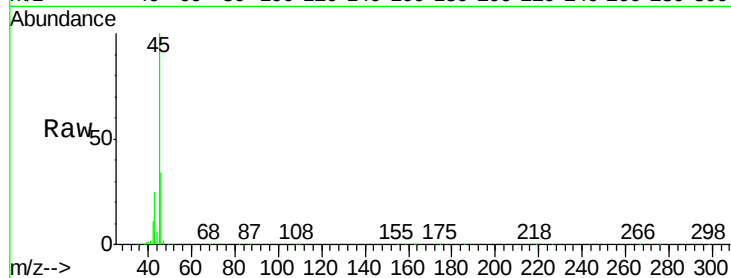
Ion Ratio Lower Upper

45 100

46 42.5 17.7 70.7

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#15

Acetone

Concen: 1.551 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL036371.D

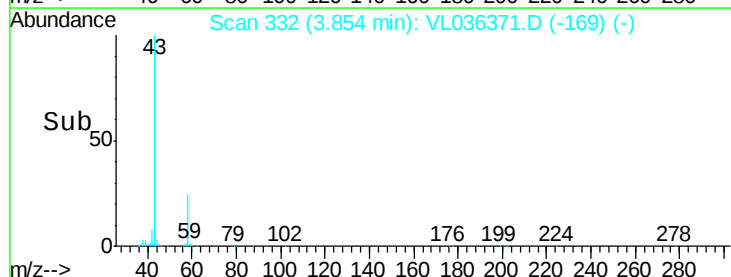
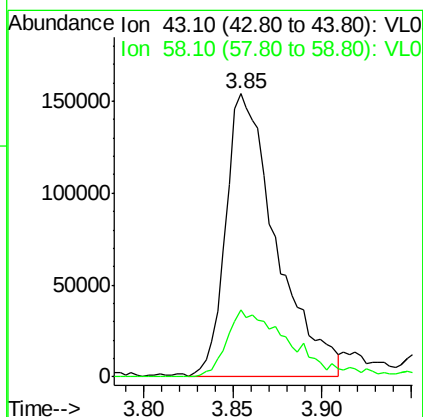
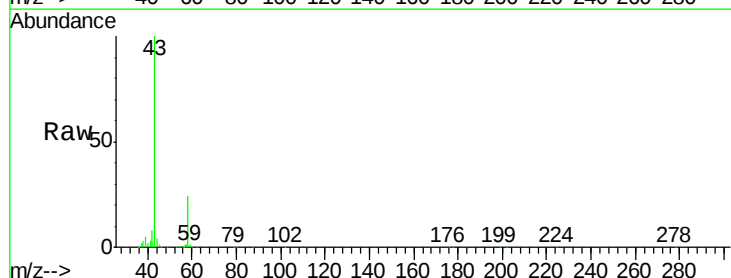
Acq: 25 Feb 2021 4:48

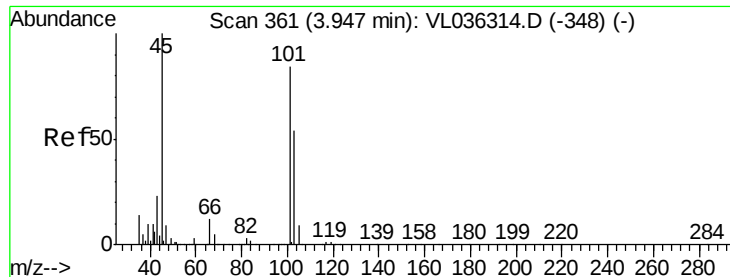
Tgt Ion: 43 Resp: 300971

Ion Ratio Lower Upper

43 100

58 31.0 20.3 30.5#





#19

Isopropyl Alcohol

Concen: 5.919 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.03 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Tot Ion: 45 Resp: 636236

Ion Ratio Lower Upper

45 100

58 2.5 1.9 2.9

Instrument :

MSVOA_L

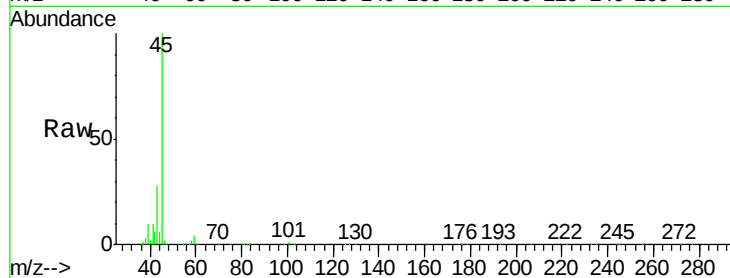
ClientSampled :

NS-5DL

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.97

300000

250000

200000

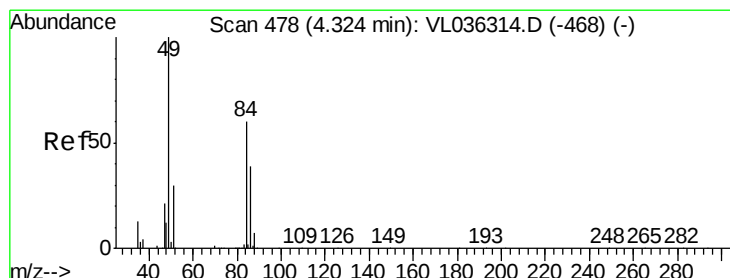
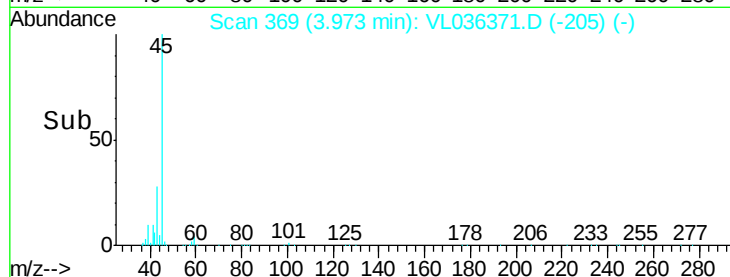
150000

100000

50000

0

Time-->



#20

Methylene Chloride

Concen: 0.431 ppbv m

RT: 4.34 min Scan# 484

Delta R.T. 0.02 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Tgt Ion: 84 Resp: 26992

Ion Ratio Lower Upper

84 100

49 170.6 133.8 200.8

51 50.5 41.4 62.0

86 54.0 51.5 77.3

Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

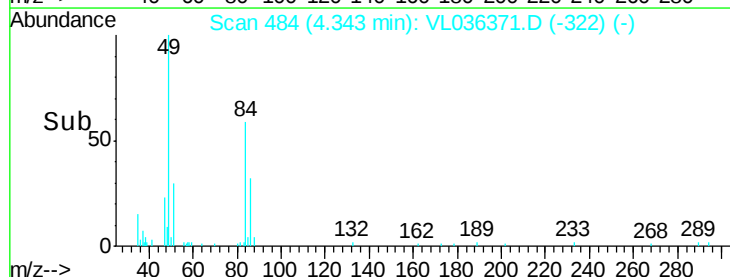
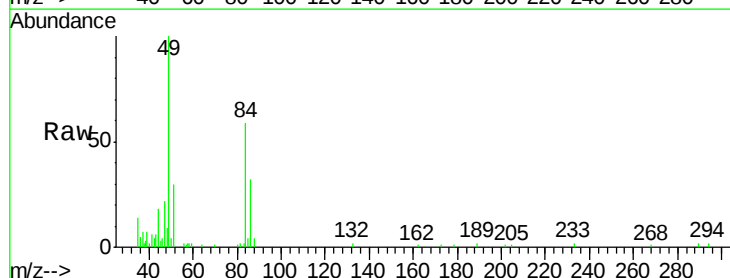
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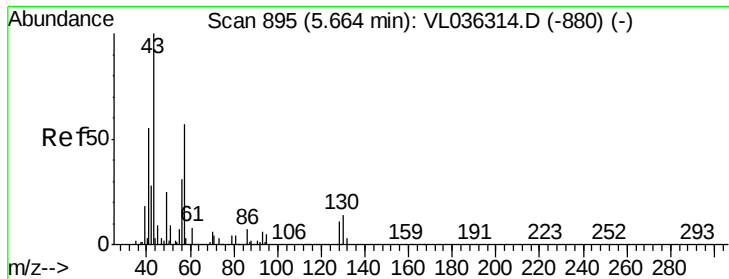
20000

10000

0

Time-->





#26

Hexane

Concen: 0.227 ppbv m

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Instrument :

MSVOA_L

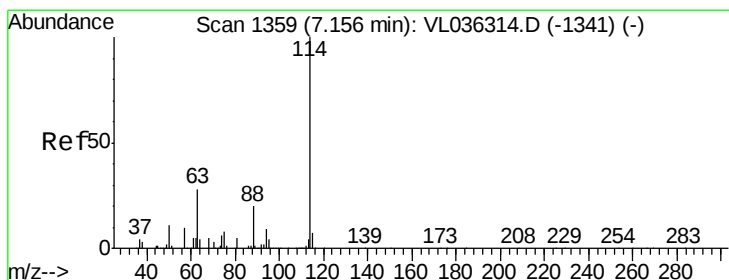
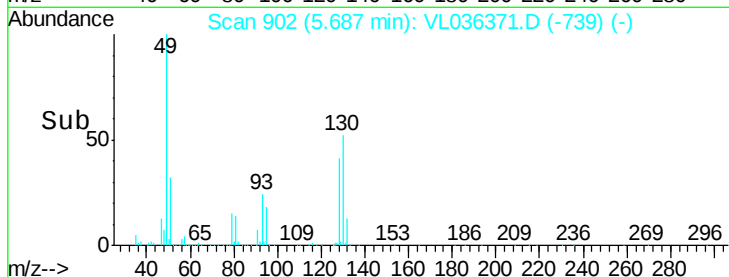
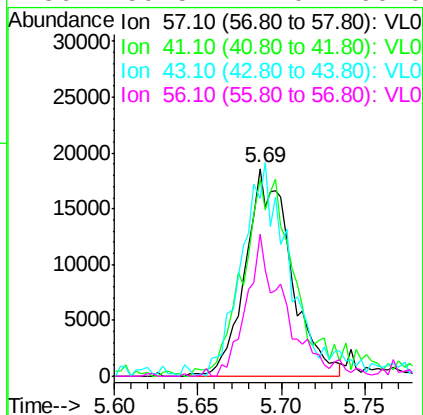
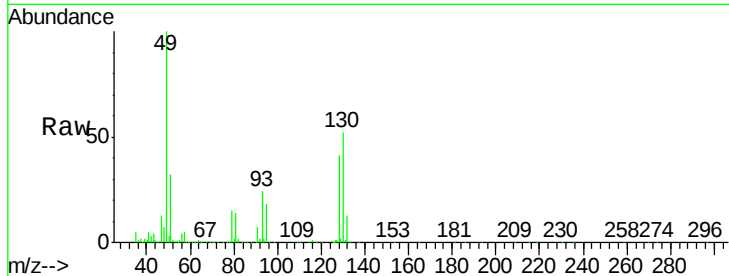
ClientSampleId :

NS-5DL

Tot Ion	57	Resp	34914
Ion	Ratio	Lower	Upper
57	100		
41	0.0	81.7	122.5#
43	115.1	199.1	298.7#
56	59.5	44.0	66.0

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

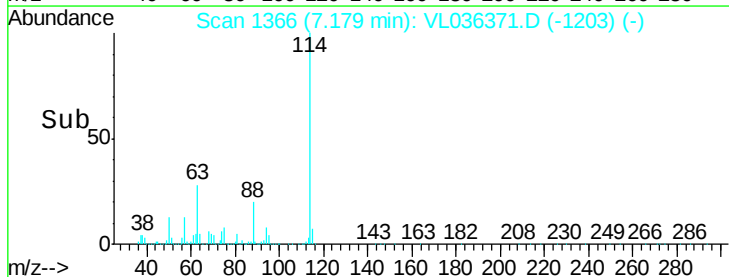
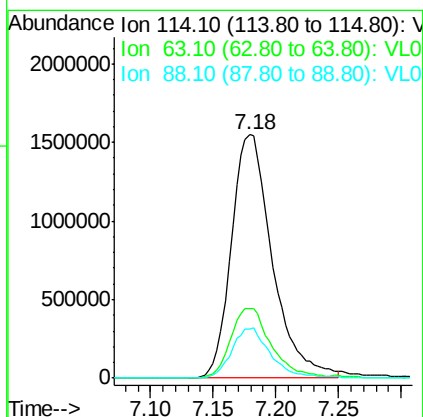
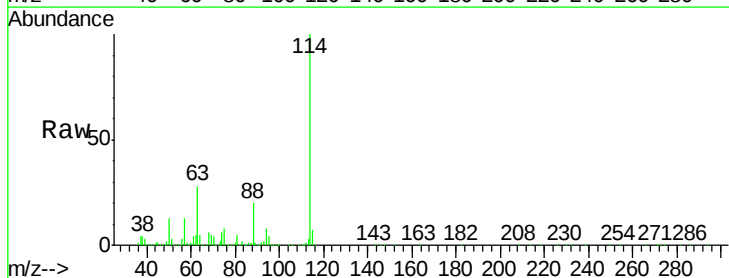
RT: 7.18 min Scan# 1366

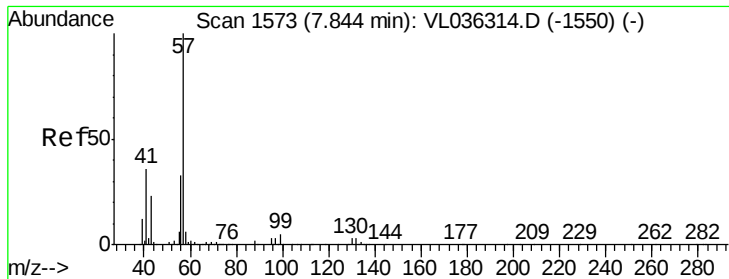
Delta R.T. 0.02 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Tgt Ion	114	Resp	3512028
Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	20.0	16.0	24.0





#44

2,2,4-Trimethylpentane

Concen: 0.279 ppbv m

RT: 7.88 min Scan# 1585

Delta R.T. 0.04 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Instrument :

MSVOA_L

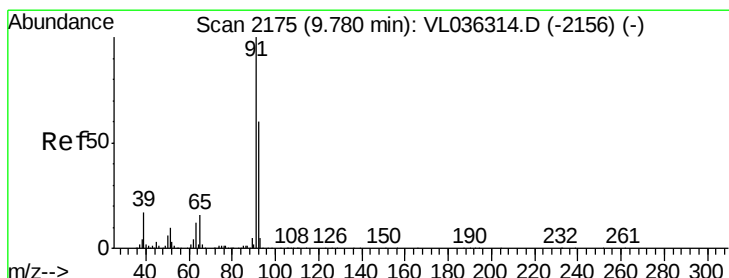
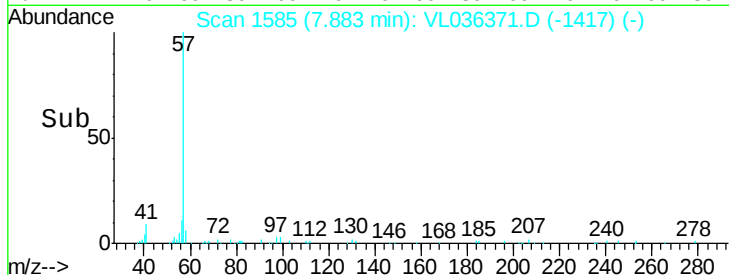
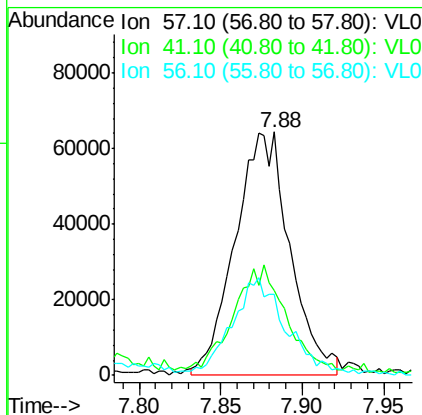
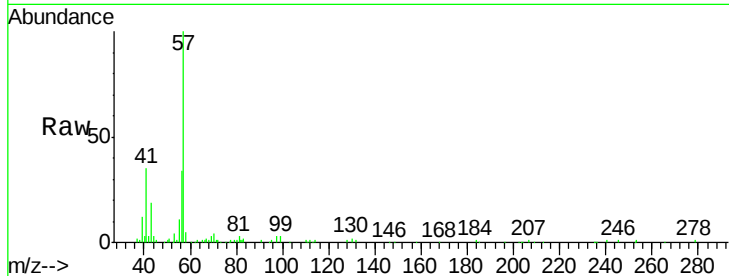
ClientSampleId :

NS-5DL

Tot Ion:	57	Resp:	151097
Ion Ratio		Lower	Upper
57	100		
41	44.6	28.8	43.2#
56	40.8	25.8	38.6#

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#53

Toluene

Concen: 0.632 ppbv

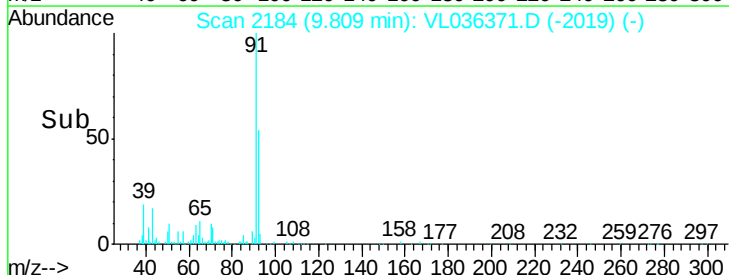
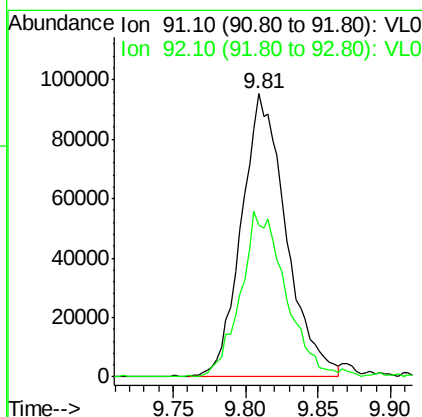
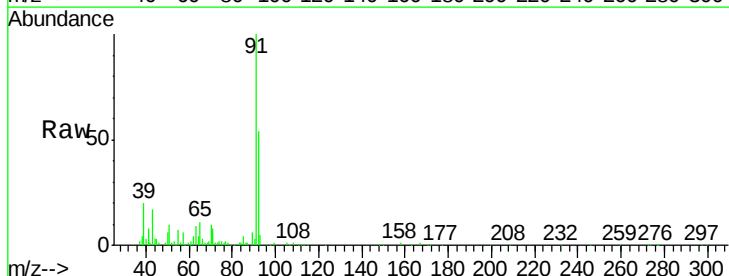
RT: 9.81 min Scan# 2184

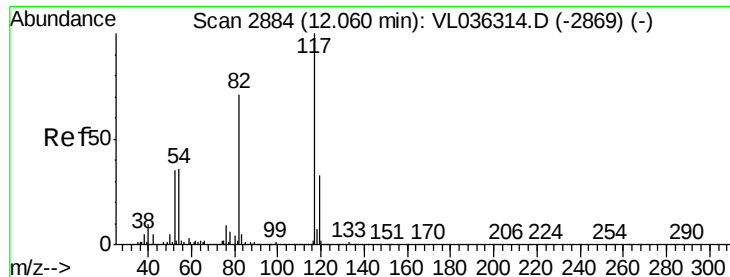
Delta R.T. 0.03 min

Lab File: VL036371.D

Acq: 25 Feb 2021 4:48

Tgt Ion:	91	Resp:	204274
Ion Ratio		Lower	Upper
91	100		
92	59.9	48.6	72.8





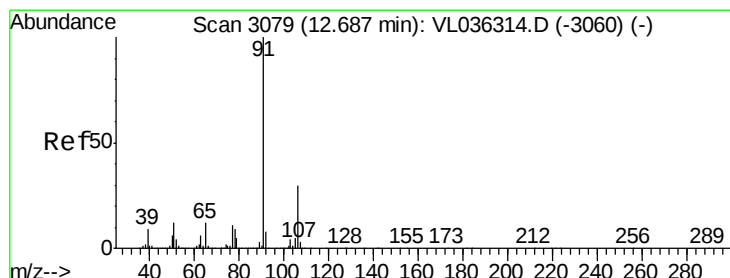
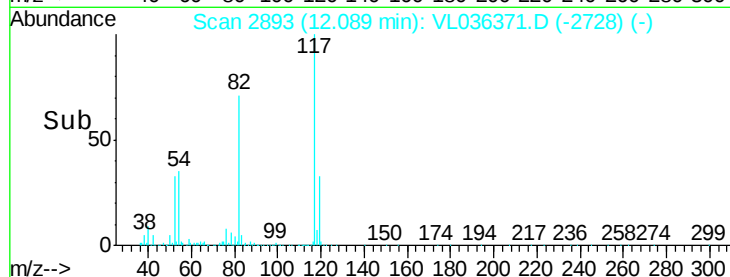
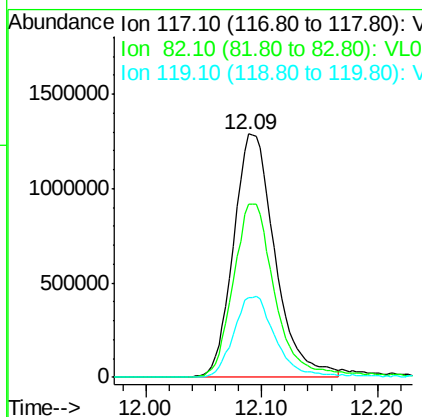
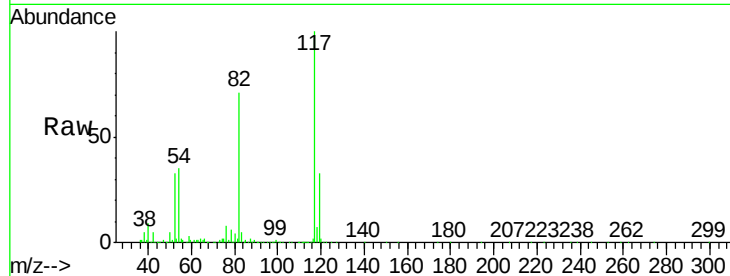
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.03 min
Lab File: VL036371.D
Acq: 25 Feb 2021 4:48

Instrument :
MSVOA_L
ClientSampleId :
NS-5DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	74.0	59.1	88.7
119	33.8	46.3	69.5

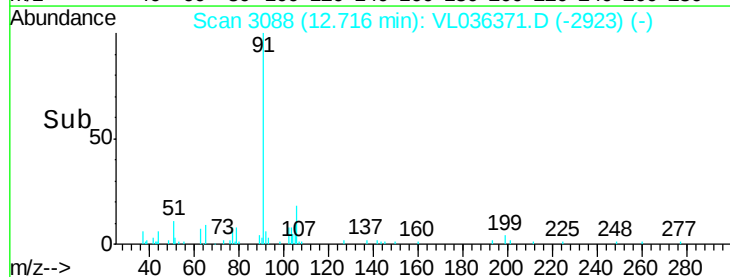
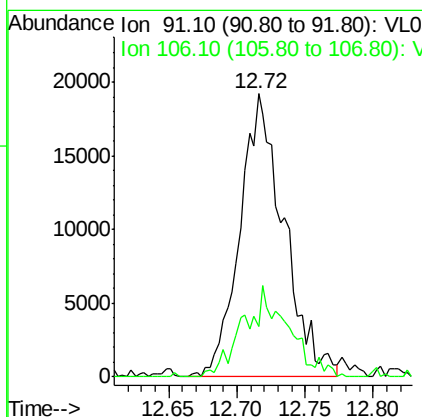
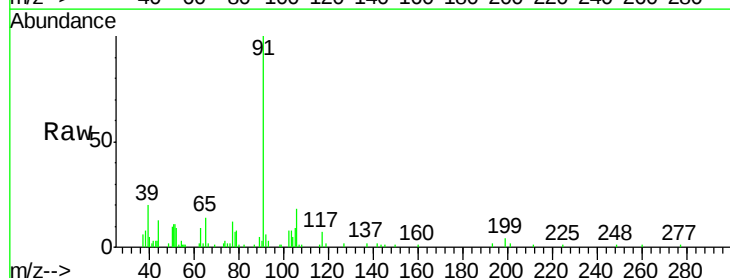
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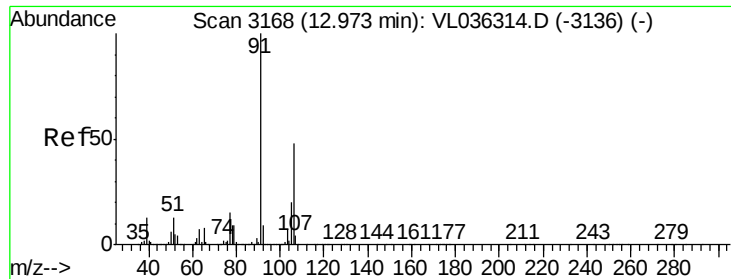
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#58
Ethyl Benzene
Concen: 0.098 ppbv m
RT: 12.72 min Scan# 3088
Delta R.T. 0.03 min
Lab File: VL036371.D
Acq: 25 Feb 2021 4:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	17.9	23.8	35.6





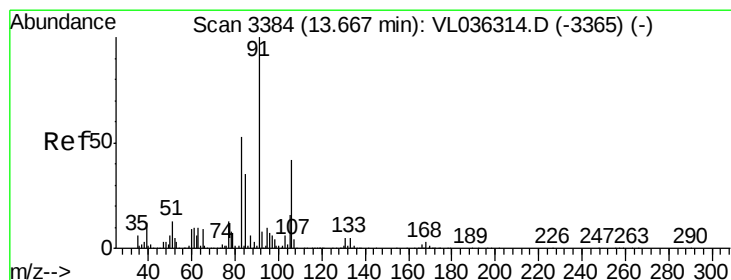
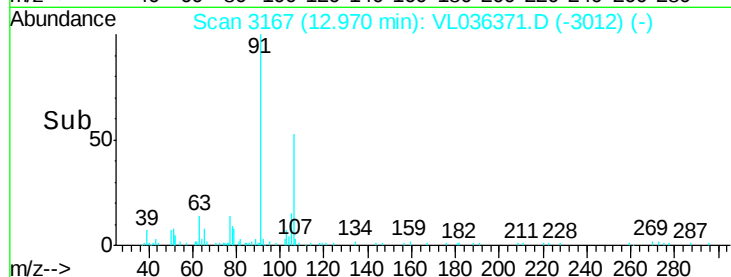
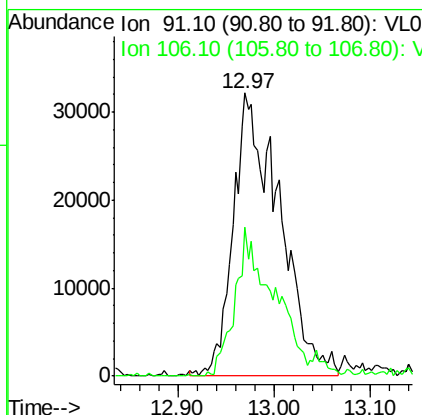
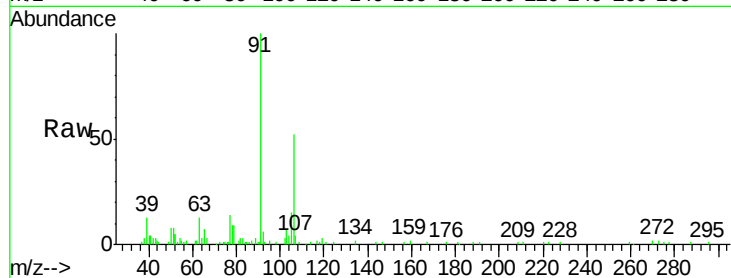
#59
m/p-Xylene
Concen: 0.277 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL036371.D
Acq: 25 Feb 2021 4:48

Instrument :
MSVOA_L
ClientSampled :
NS-5DL

Tot Ion: 91 Resp: 106869
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#

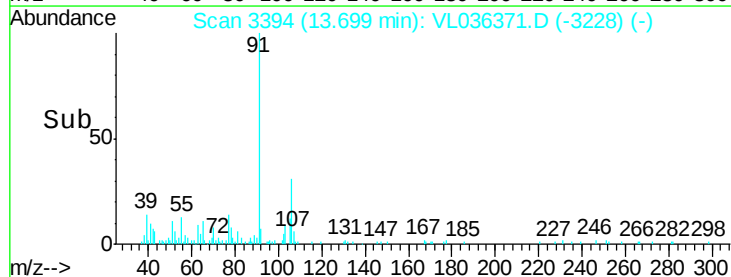
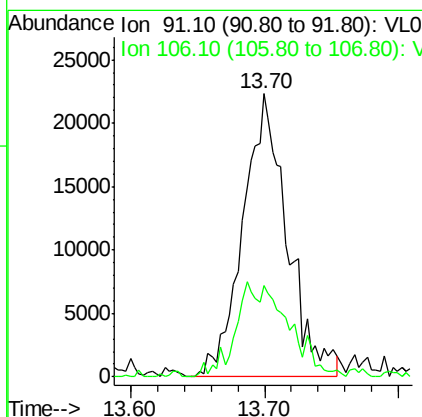
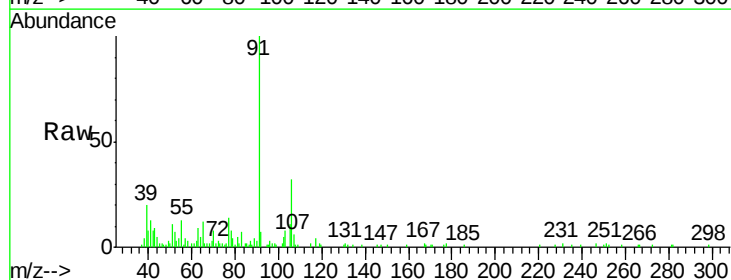
Manual Integrations
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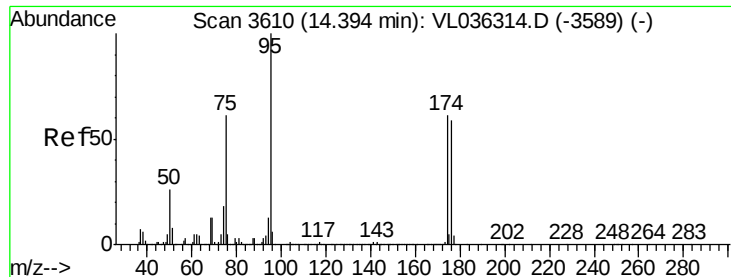
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#60
o-Xylene
Concen: 0.139 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. 0.03 min
Lab File: VL036371.D
Acq: 25 Feb 2021 4:48

Tgt Ion: 91 Resp: 51204
Ion Ratio Lower Upper
91 100
106 40.3 22.0 66.0





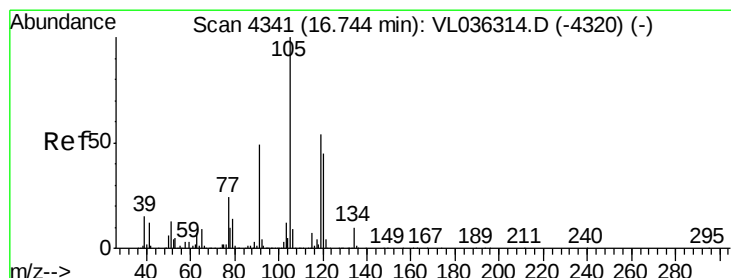
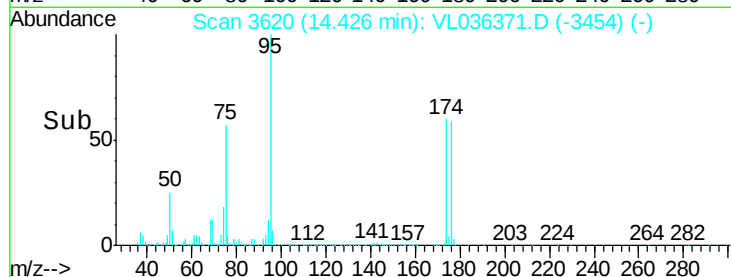
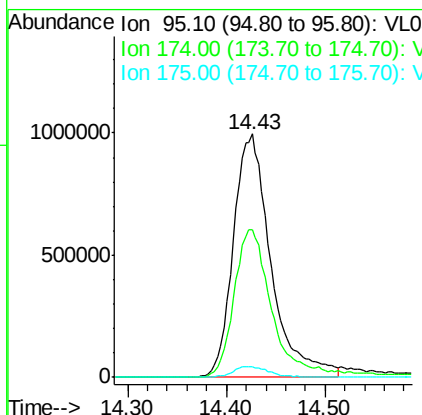
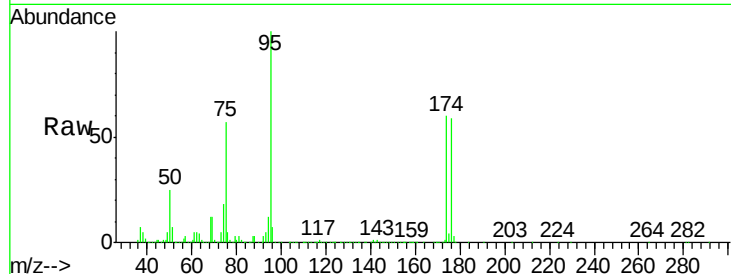
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.017 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.03 min
 Lab File: VL036371.D
 Acq: 25 Feb 2021 4:48

Instrument :
 MSVOA_L
 ClientSampled :
 NS-5DL

Tot Ion: 95 Resp: 2639833
 Ion Ratio Lower Upper
 95 100
 174 64.0 49.8 74.6
 175 4.7 3.7 5.5

Manual Integrations
 APPROVED

MMDadoda
 2/26/2021 4:18:09 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.114 ppbv m
 RT: 16.78 min Scan# 4351
 Delta R.T. 0.03 min
 Lab File: VL036371.D
 Acq: 25 Feb 2021 4:48

Tgt Ion: 105 Resp: 46151
 Ion Ratio Lower Upper
 105 100
 120 32.2 35.8 53.6#
 91 17.5 39.8 59.6#
 77 14.2 19.1 28.7#

