

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036349.D
 Acq On : 24 Feb 2021 13:54
 Operator : SY/AP
 Sample : M1463-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8DL

Manual Integrations
 APPROVED

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2/26/2021 4:16:54 PM

Quant Time: Feb 26 13:54:10 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed 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	1673709	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	3713461	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3378427	10.00	ppbv	0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2802676m	10.08	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	23605	0.304	ppbv	99
13) Ethanol	3.61	45	392039	26.920	ppbv	95
15) Acetone	3.86	43	226525	1.107	ppbv #	82
19) Isopropyl Alcohol	3.98	45	407895	3.599	ppbv #	93
20) Methylene Chloride	4.35	84	176209	2.670	ppbv	93
53) Toluene	9.81	91	227348	0.665	ppbv	97
59) m/p-Xylene	12.98	91	97314m	0.239	ppbv	

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

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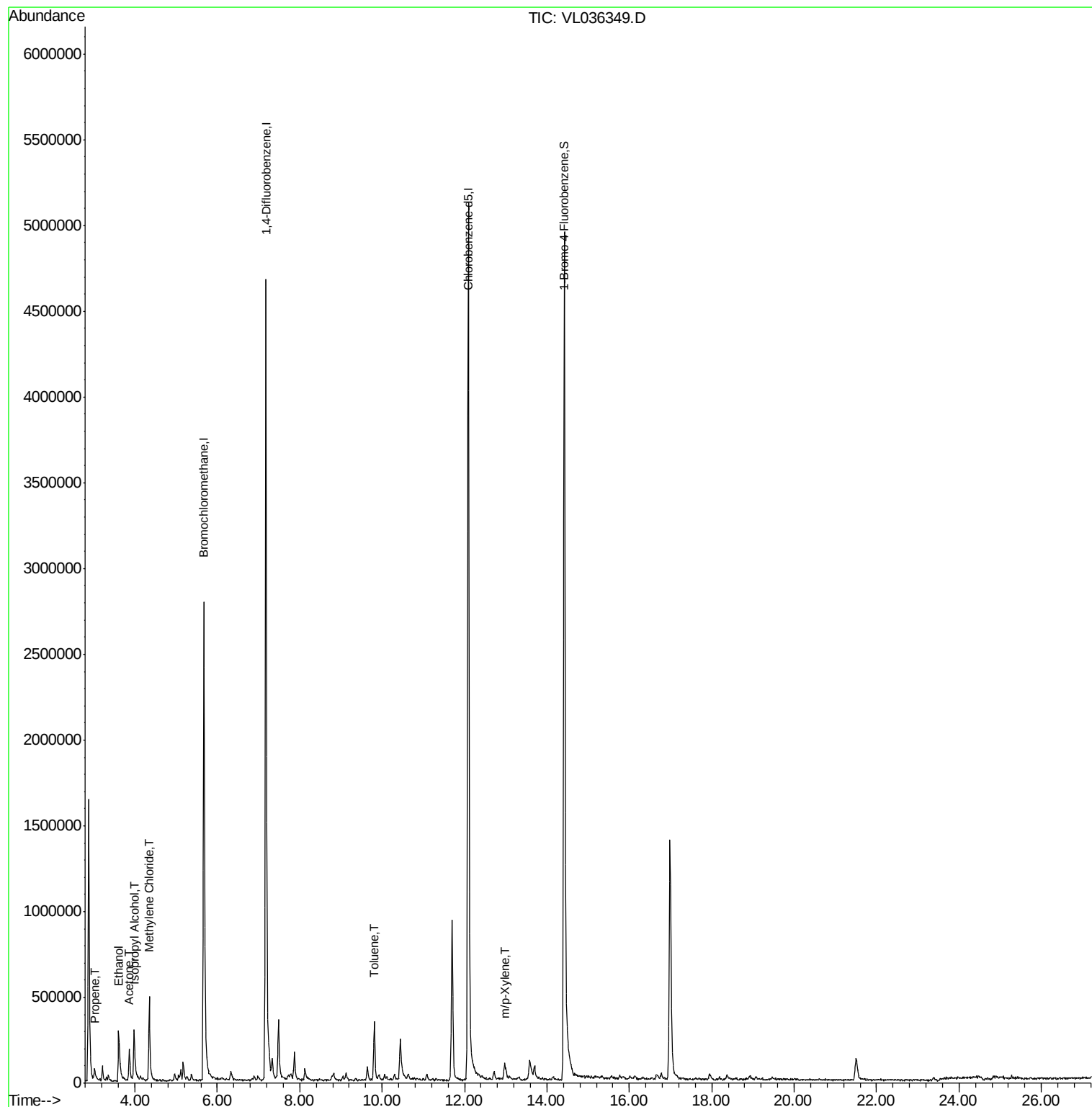
Instrument :
MSVOA_L
ClientSampleId :
NS-8DL

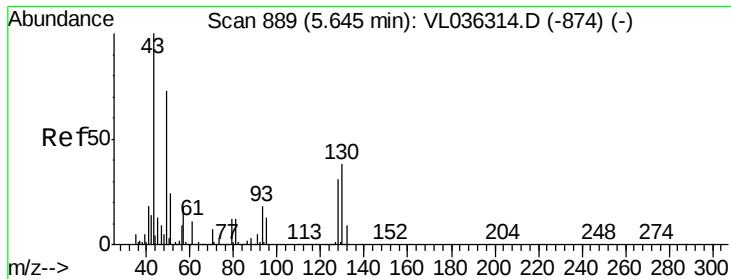
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.03 min
 Lab File: VL036349.D
 Acq: 24 Feb 2021 13:54

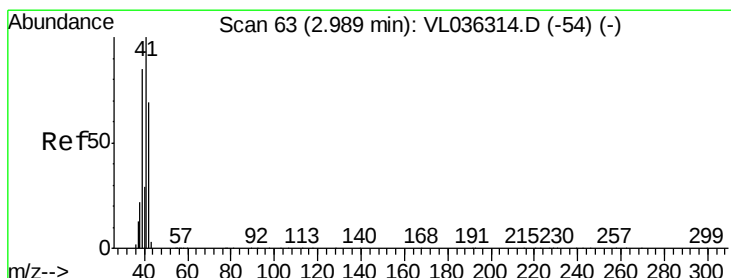
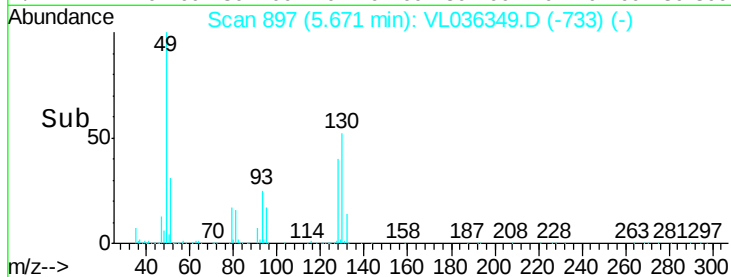
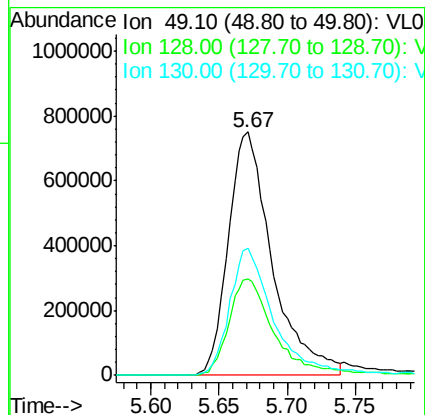
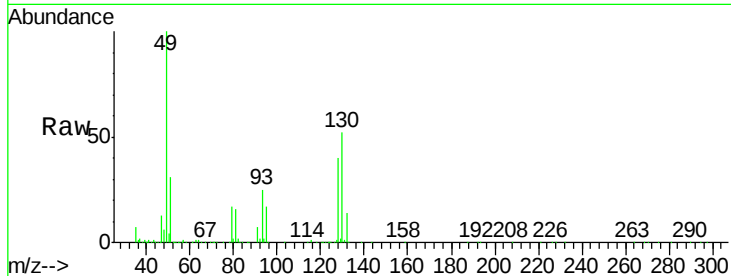
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8DL

Tot Ion: 49 Resp: 1673709
 Ion Ratio Lower Upper
 49 100
 128 42.1 20.8 62.5
 130 54.4 26.7 80.1

Manual Integrations
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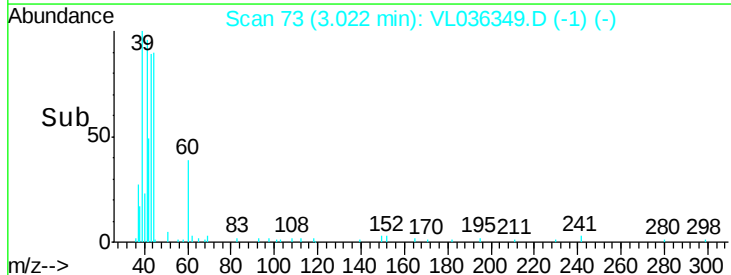
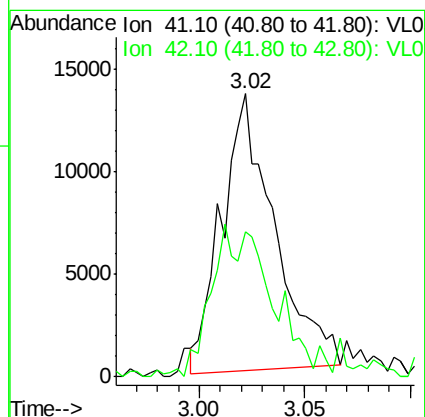
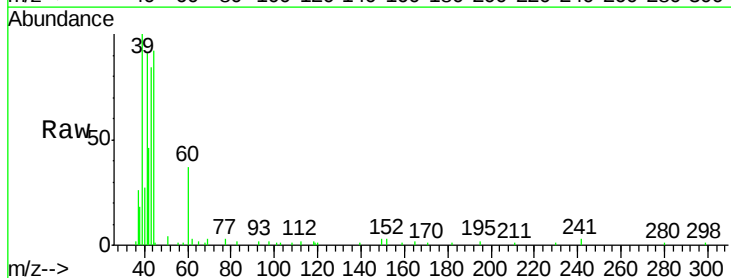
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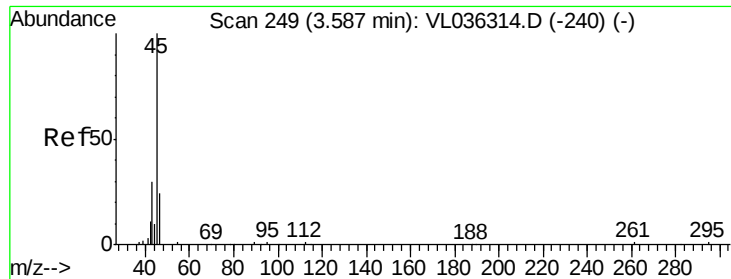


#9

Propene
 Concen: 0.304 ppbv
 RT: 3.02 min Scan# 73
 Delta R.T. 0.03 min
 Lab File: VL036349.D
 Acq: 24 Feb 2021 13:54

Tgt Ion: 41 Resp: 23605
 Ion Ratio Lower Upper
 41 100
 42 69.1 56.2 84.2





#13
Ethanol
Concen: 26.920 ppbv
RT: 3.61 min Scan# 256
Delta R.T. 0.02 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

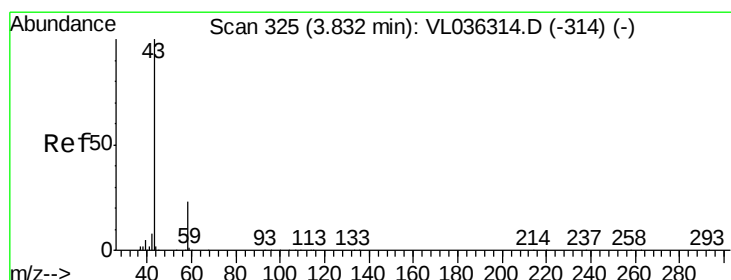
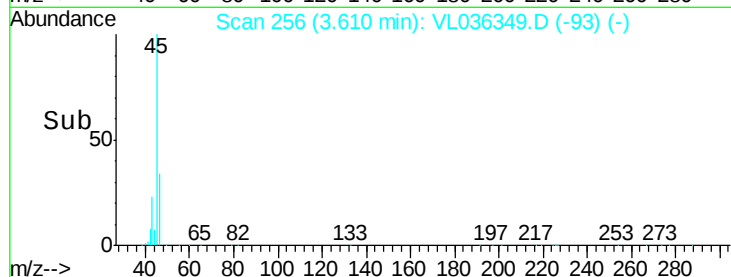
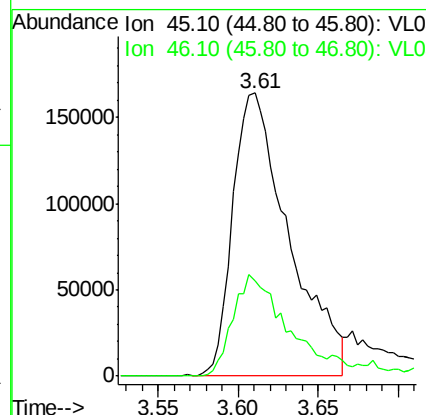
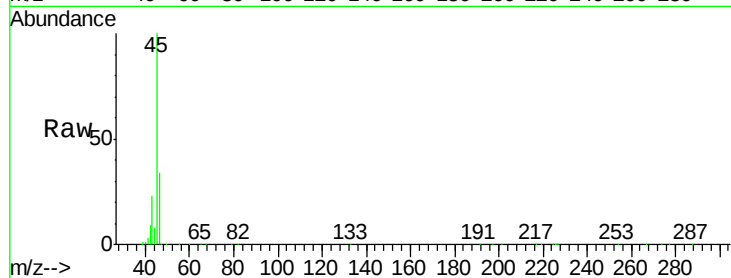
Instrument :
MSVOA_L
ClientSampled :
NS-8DL

Tot Ion: 45 Resp: 392039
Ion Ratio Lower Upper
45 100
46 40.8 17.7 70.7

Manual Integrations
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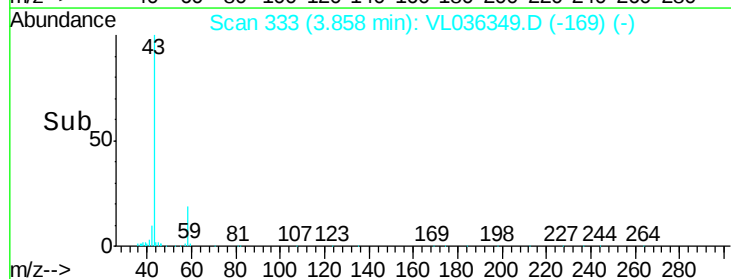
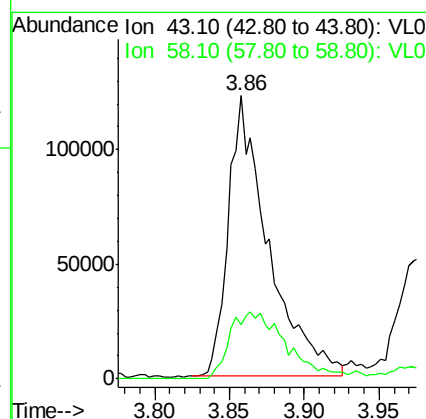
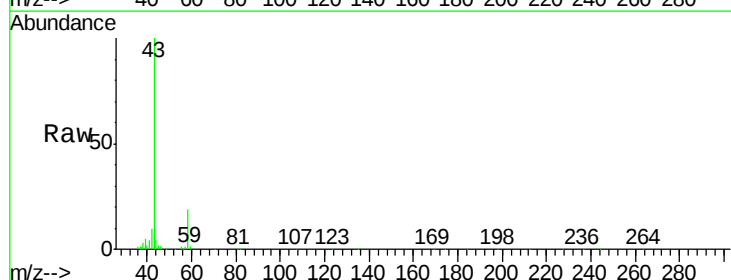
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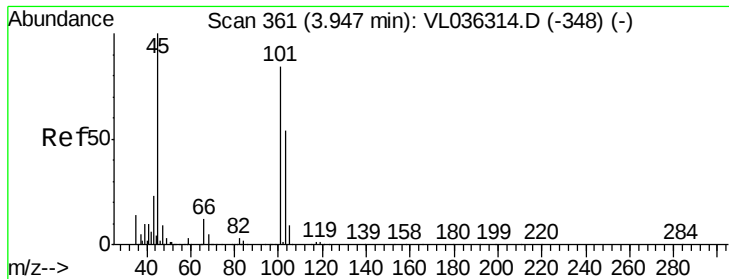
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#15
Acetone
Concen: 1.107 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.03 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

Tgt Ion: 43 Resp: 226525
Ion Ratio Lower Upper
43 100
58 34.6 20.3 30.5#





#19
Isopropyl Alcohol
Concen: 3.599 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.03 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

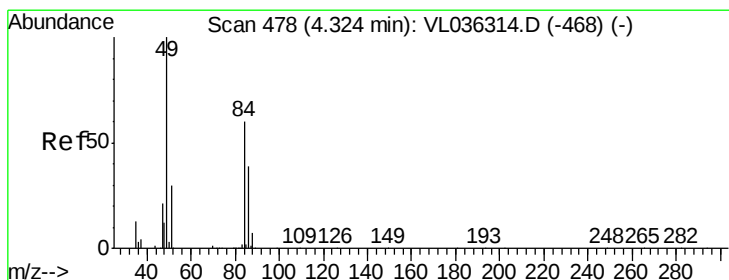
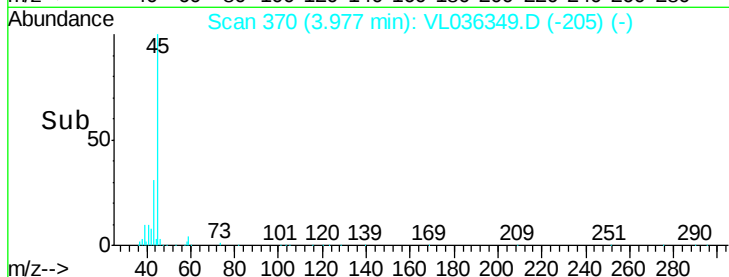
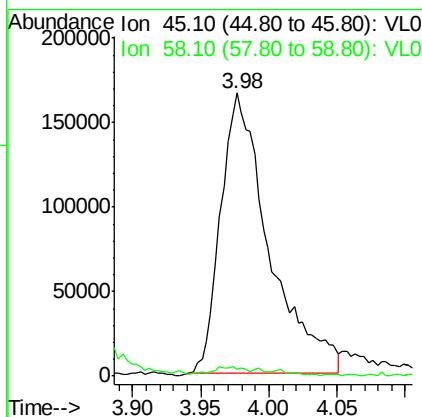
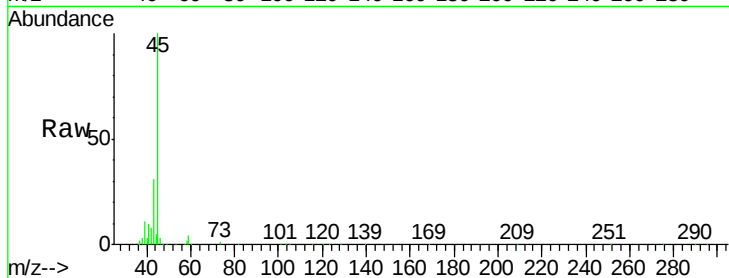
Instrument :
MSVOA_L
ClientSampleId :
NS-8DL

Tot Ion: 45 Resp: 407895
Ion Ratio Lower Upper
45 100
58 4.8 1.9 2.9#

Manual Integrations
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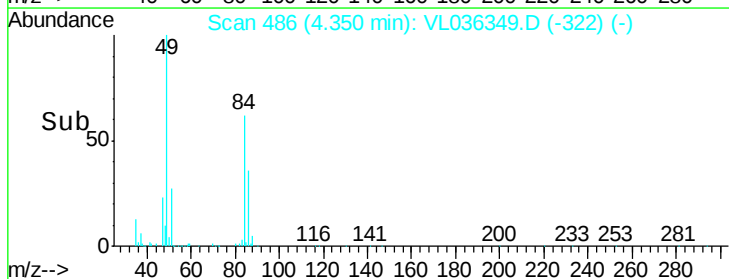
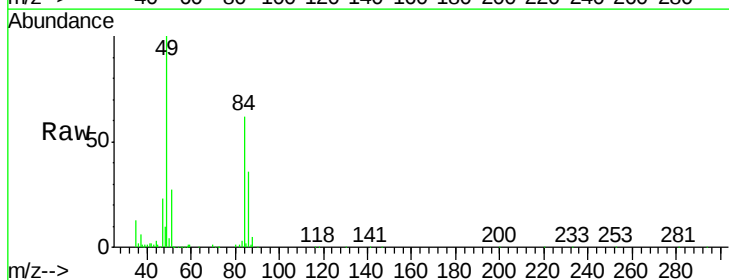
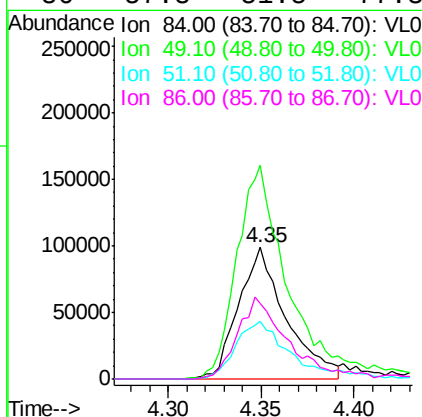
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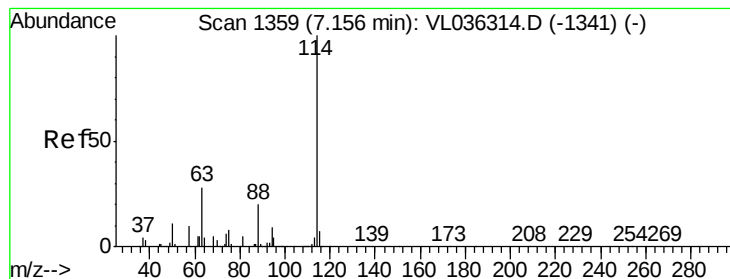
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#20
Methylene Chloride
Concen: 2.670 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.03 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

Tgt Ion: 84 Resp: 176209
Ion Ratio Lower Upper
84 100
49 161.2 133.8 200.8
51 43.7 41.4 62.0
86 57.8 51.5 77.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.02 min

Lab File: VL036349.D

Acq: 24 Feb 2021 13:54

Instrument :

MSVOA_L

ClientSampleId :

NS-8DL

Tot Ion: 114 Resp: 3713461

Ion Ratio Lower Upper

114 100

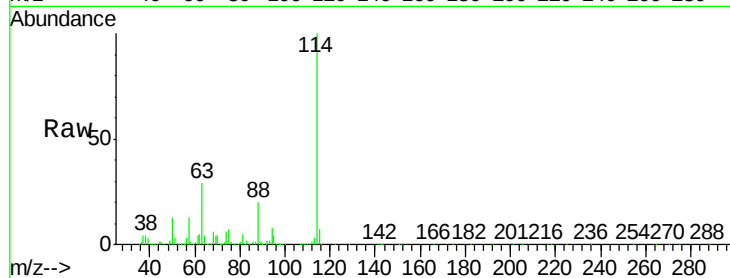
63 29.1 24.1 36.1

88 20.0 16.0 24.0

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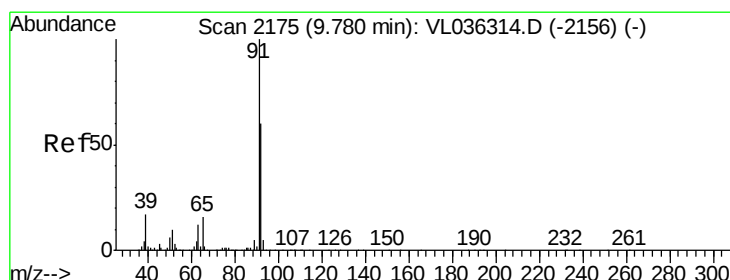
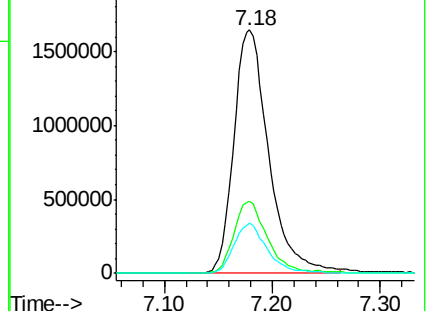
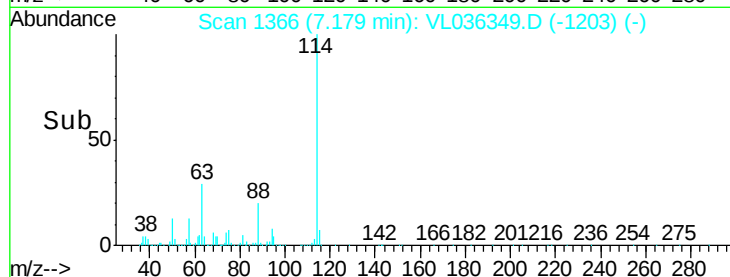
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#53

Toluene

Concen: 0.665 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL036349.D

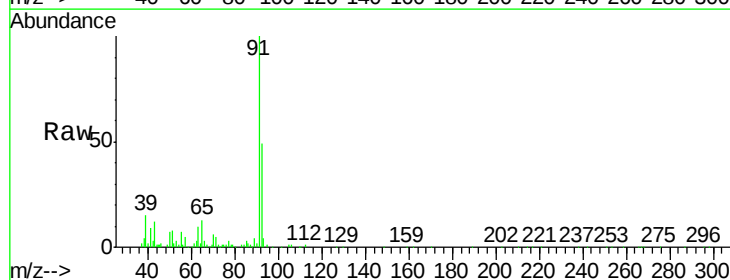
Acq: 24 Feb 2021 13:54

Tgt Ion: 91 Resp: 227348

Ion Ratio Lower Upper

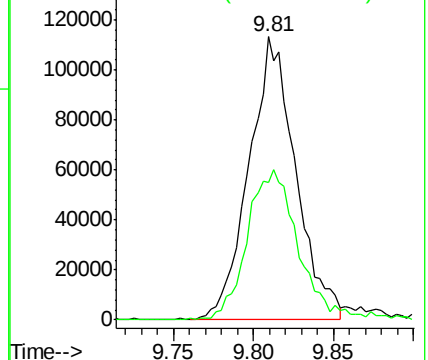
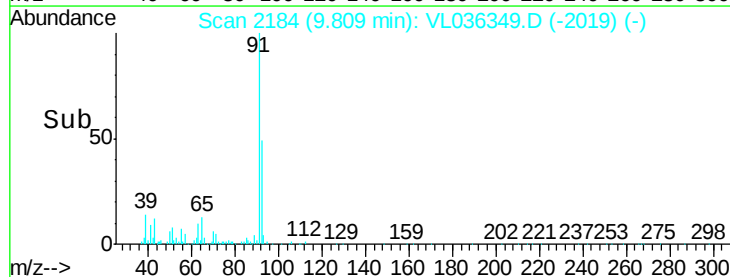
91 100

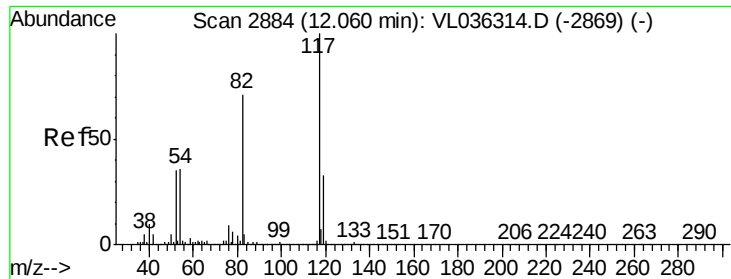
92 58.5 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.03 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

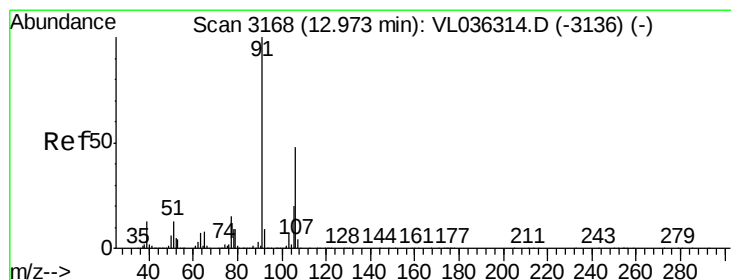
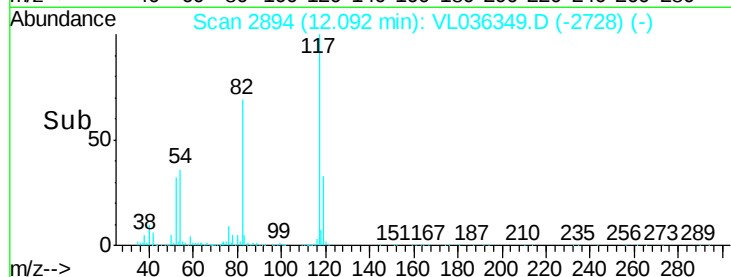
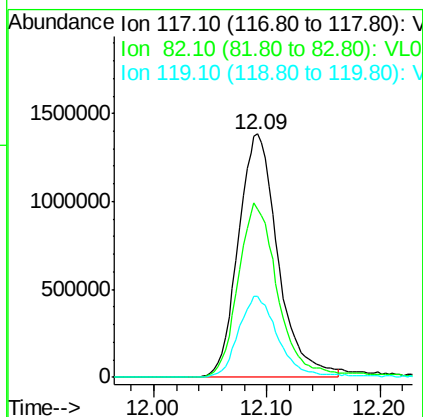
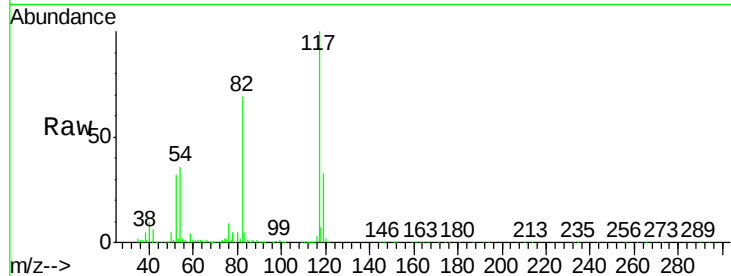
Instrument :
MSVOA_L
ClientSampled :
NS-8DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.3	59.1	88.7
119	34.0	46.3	69.5

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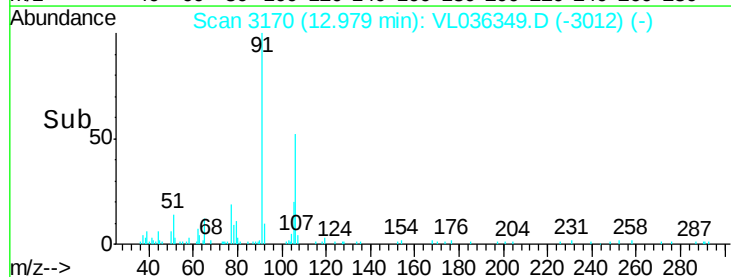
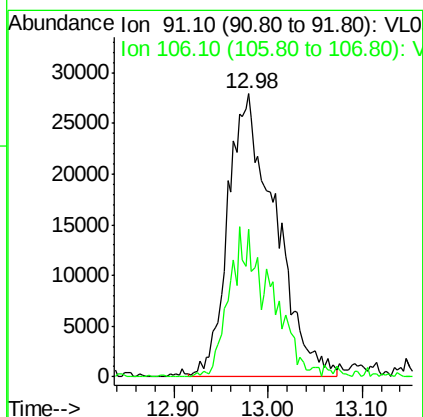
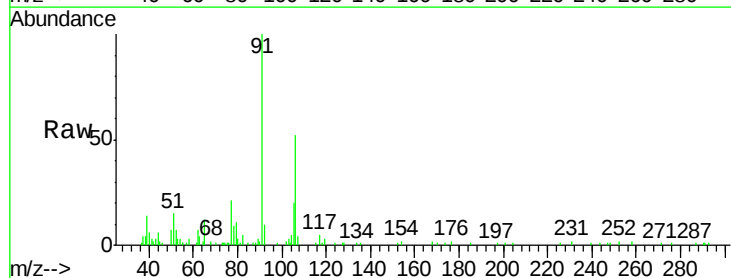
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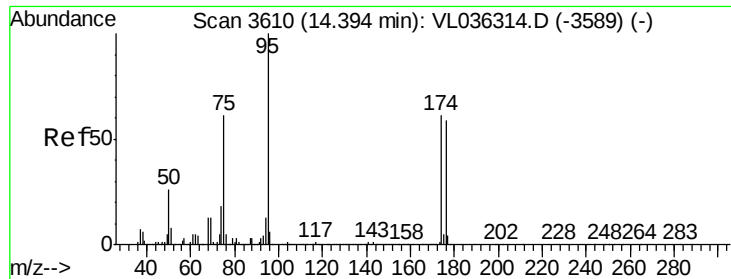
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#59
m/p-Xylene
Concen: 0.239 ppbv m
RT: 12.98 min Scan# 3170
Delta R.T. 0.01 min
Lab File: VL036349.D
Acq: 24 Feb 2021 13:54

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.083 ppbv m
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.03 min
 Lab File: VL036349.D
 Acq: 24 Feb 2021 13:54

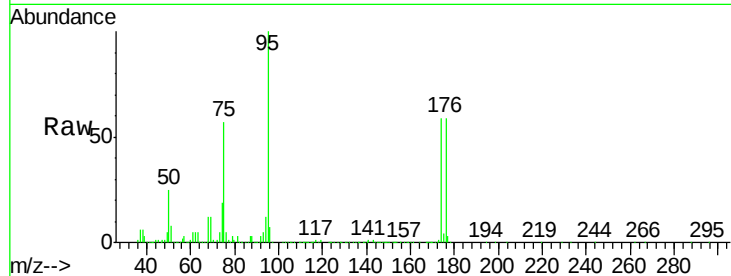
Instrument :
 MSVOA_L
 ClientSampleId :
 NS-8DL

Tot Ion: 95 Resp: 2802676
 Ion Ratio Lower Upper
 95 100
 174 62.6 49.8 74.6
 175 4.8 3.7 5.5

Manual Integrations
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Abundance Ion 95.10 (94.80 to 95.80): VL0
 Ion 174.00 (173.70 to 174.70): V
 Ion 175.00 (174.70 to 175.70): V

