

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036367.D
 Acq On : 25 Feb 2021 2:04
 Operator : SY/AP
 Sample : M1463-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-7DL

Manual Integrations
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Quant Time: Feb 25 07:42:19 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 2021
 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	5.68	49	1613842	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	7.19	114	3639686	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3295847	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2630729	9.70	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	31144m	0.417	ppbv	
13) Ethanol	3.61	45	438125	31.200	ppbv	98
15) Acetone	3.86	43	190217	0.964	ppbv #	76
19) Isopropyl Alcohol	3.98	45	410469	3.756	ppbv #	96
20) Methylene Chloride	4.35	84	25995m	0.408	ppbv	
26) Hexane	5.70	57	30292	0.194	ppbv #	42
44) 2,2,4-Trimethylpentane	7.88	57	112038m	0.199	ppbv	
53) Toluene	9.82	91	169405	0.506	ppbv	98
59) m/p-Xylene	12.99	91	95116m	0.240	ppbv	

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

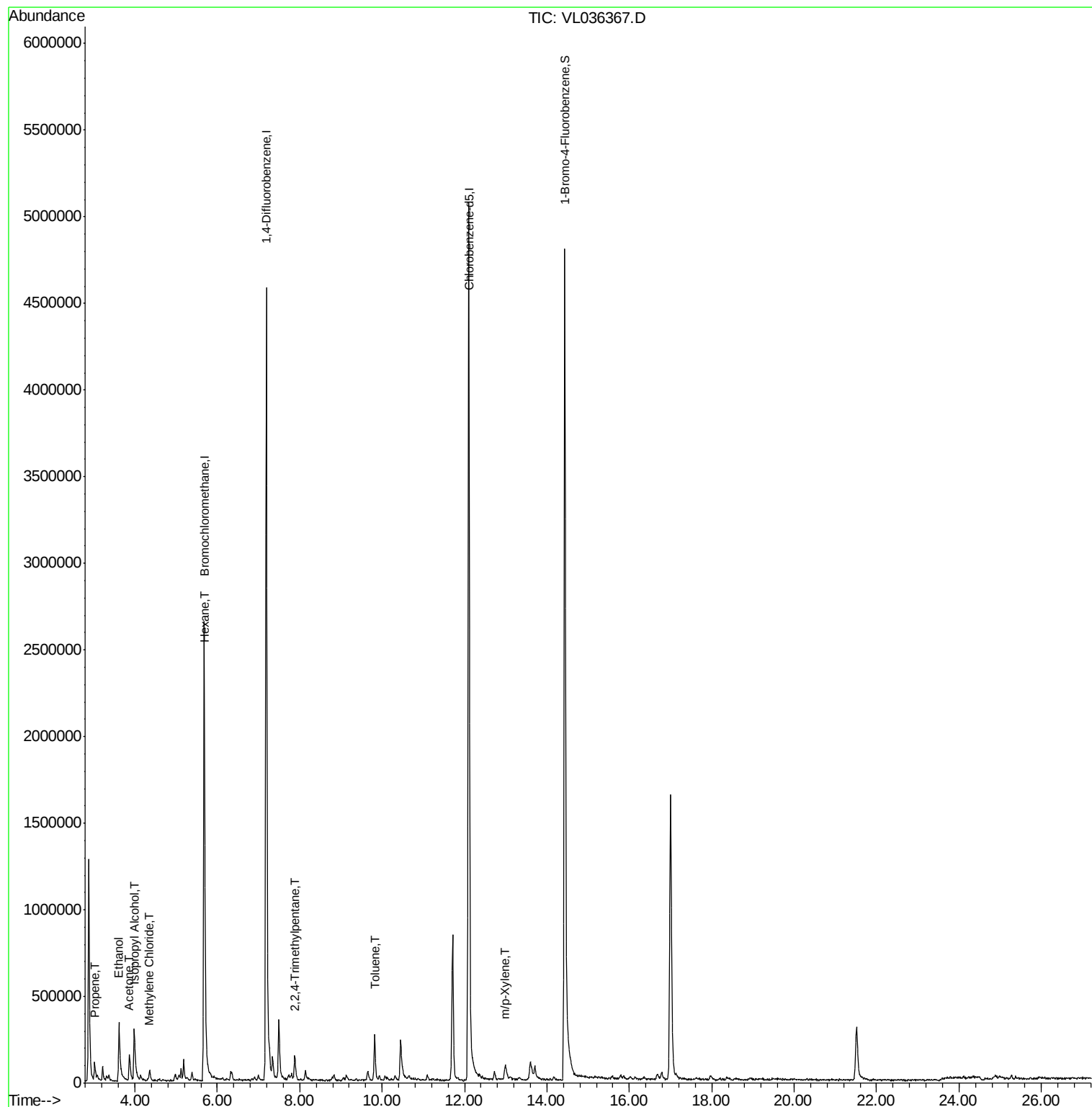
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
Data File : VL036367.D
Acq On : 25 Feb 2021 2:04
Operator : SY/AP
Sample : M1463-09DL 10X
Misc : 400ml/MSVOA L
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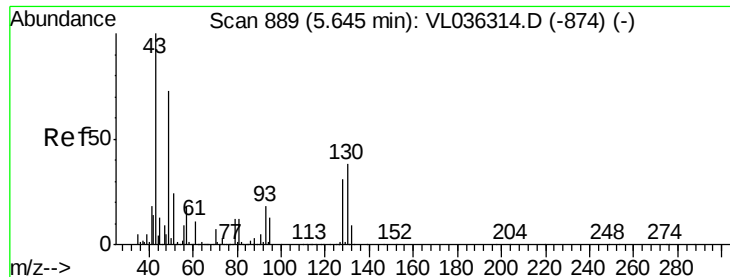
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Feb 25 07:42:19 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 900

Delta R.T. 0.04 min

Lab File: VL036367.D

Acq: 25 Feb 2021 2:04

Instrument :

MSVOA_L

ClientSampleId :

NS-7DL

Tot Ion: 49 Resp: 1613842

Ion Ratio Lower Upper

49 100

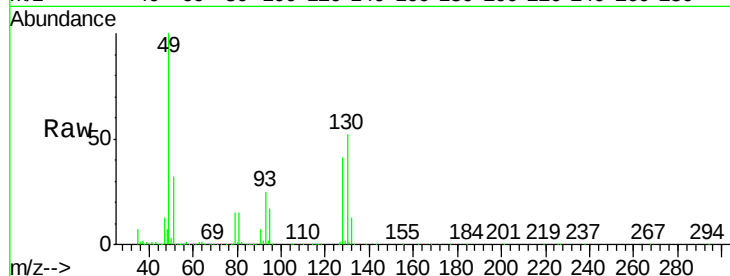
128 44.0 20.8 62.5

130 56.4 26.7 80.1

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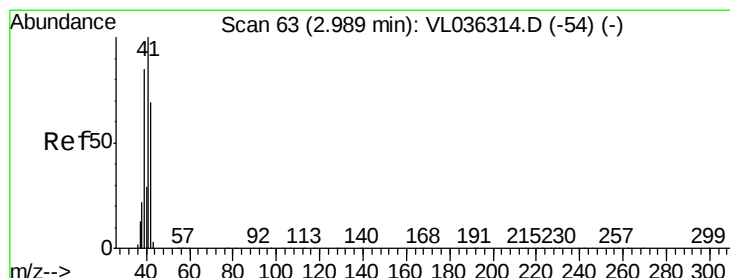
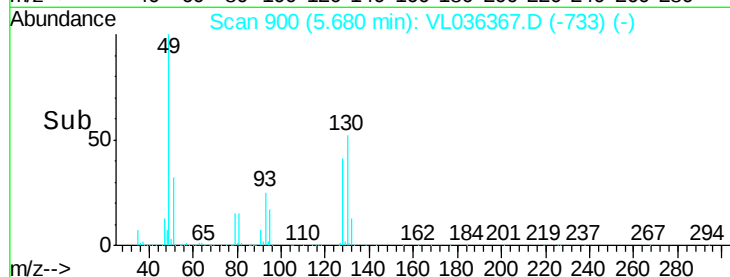
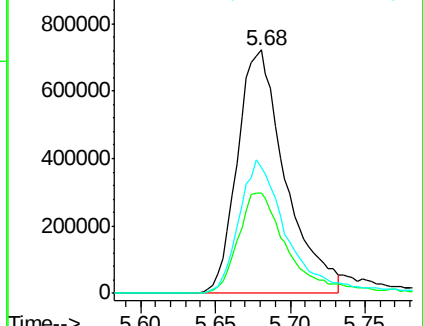
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.417 ppbv m

RT: 3.02 min Scan# 74

Delta R.T. 0.04 min

Lab File: VL036367.D

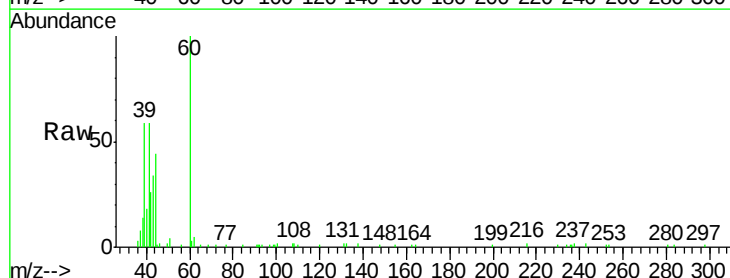
Acq: 25 Feb 2021 2:04

Tgt Ion: 41 Resp: 31144

Ion Ratio Lower Upper

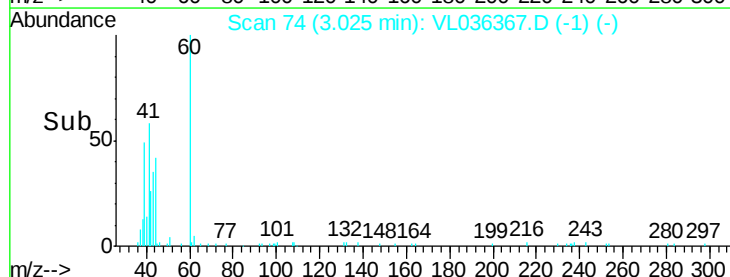
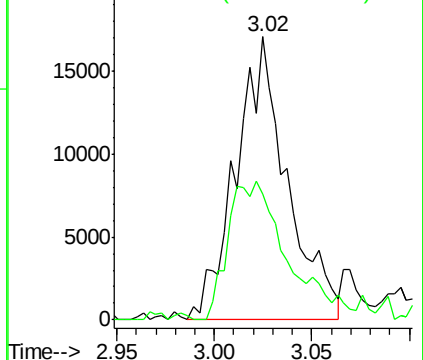
41 100

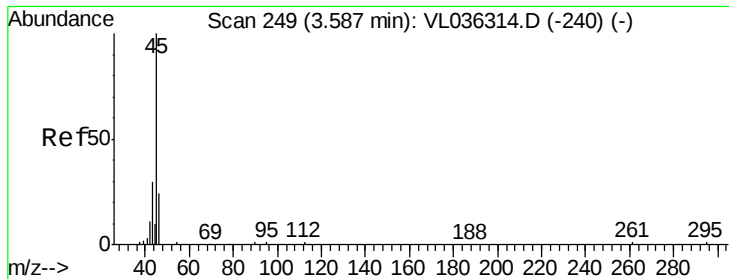
42 15.7 56.2 84.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





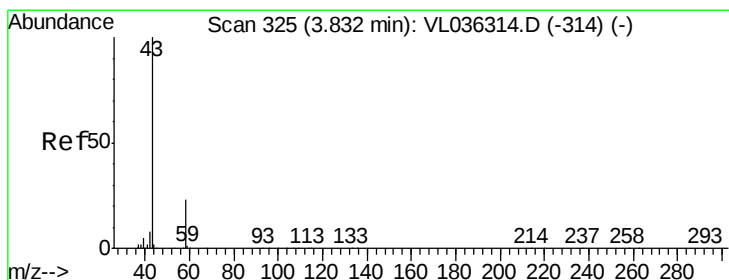
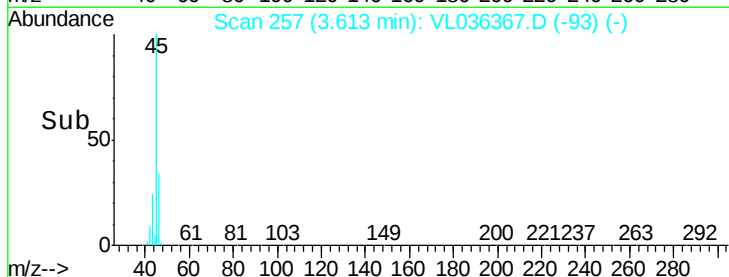
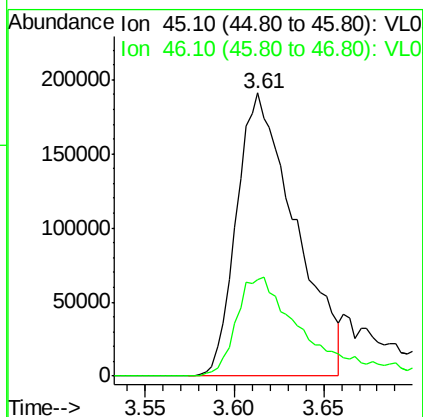
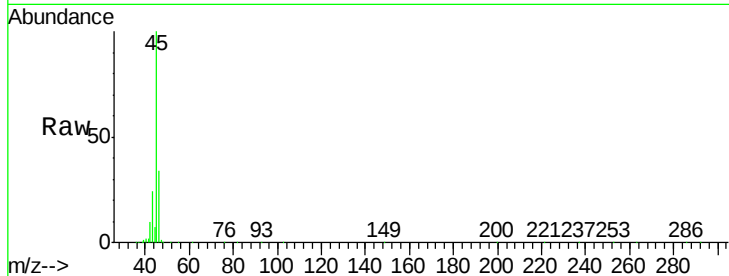
#13
Ethanol
Concen: 31.200 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.03 min
Lab File: VL036367.D
Acq: 25 Feb 2021 2:04

Instrument :
MSVOA_L
ClientSampleId :
NS-7DL

Tot Ion: 45 Resp: 438125
Ion Ratio Lower Upper
45 100
46 42.9 17.7 70.7

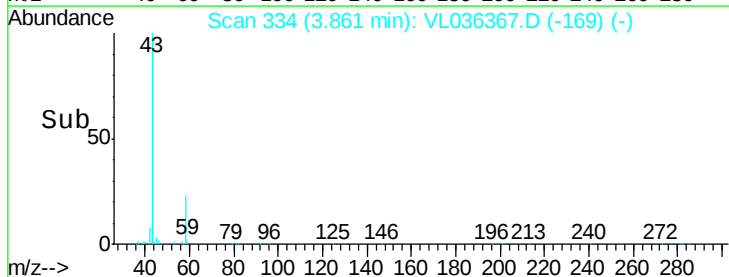
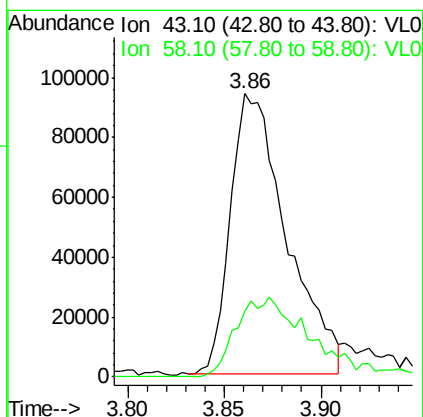
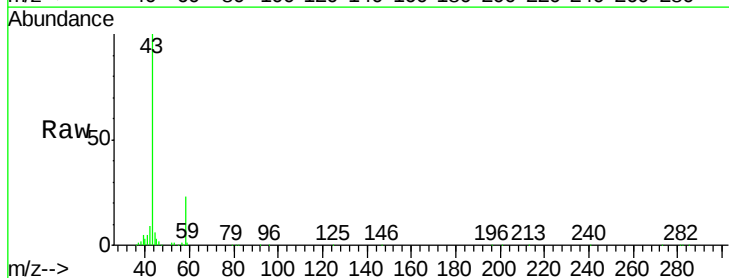
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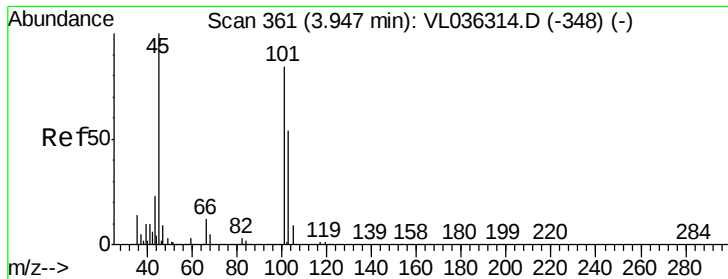
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#15
Acetone
Concen: 0.964 ppbv
RT: 3.86 min Scan# 334
Delta R.T. 0.03 min
Lab File: VL036367.D
Acq: 25 Feb 2021 2:04

Tgt Ion: 43 Resp: 190217
Ion Ratio Lower Upper
43 100
58 37.5 20.3 30.5#





#19

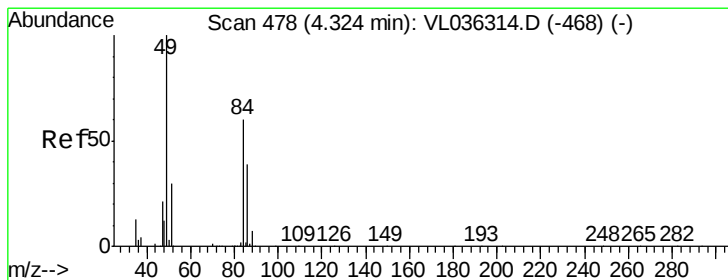
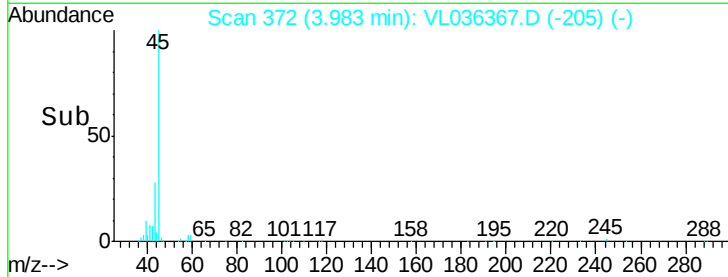
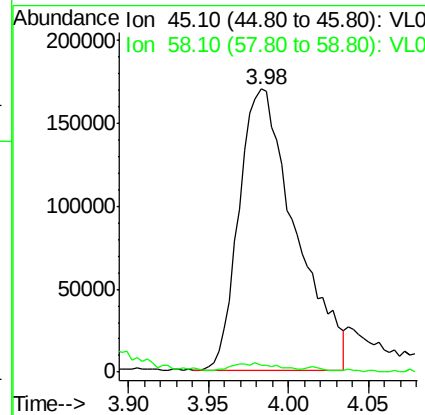
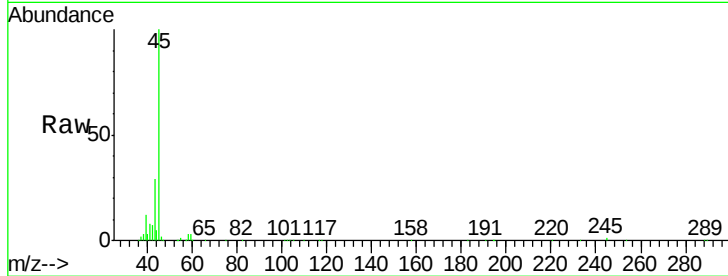
Isopropyl Alcohol
 Concen: 3.756 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.04 min
 Lab File: VL036367.D
 Acq: 25 Feb 2021 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-7DL

Tot Ion: 45 Resp: 410469
 Ion Ratio Lower Upper
 45 100
 58 3.8 1.9 2.9#

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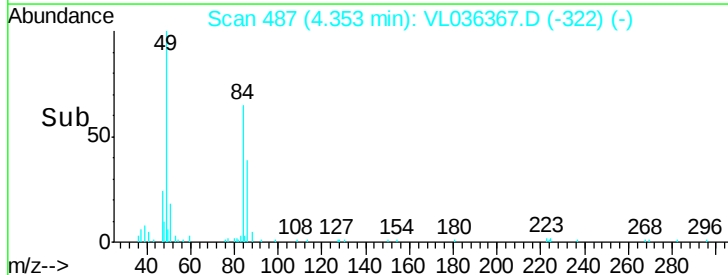
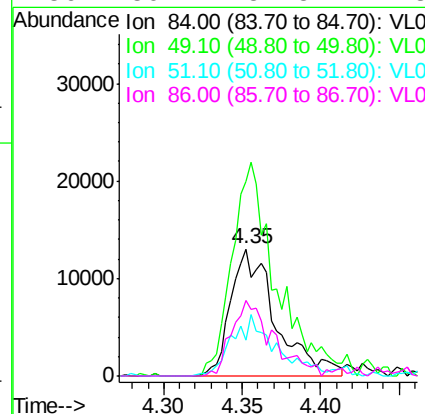
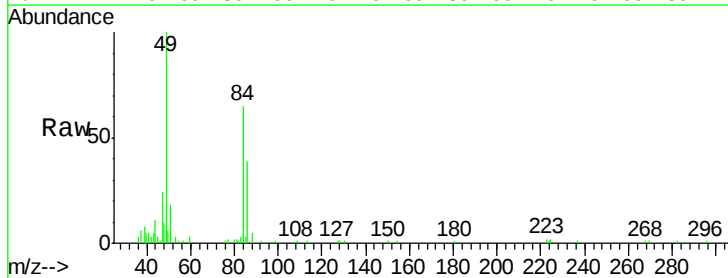
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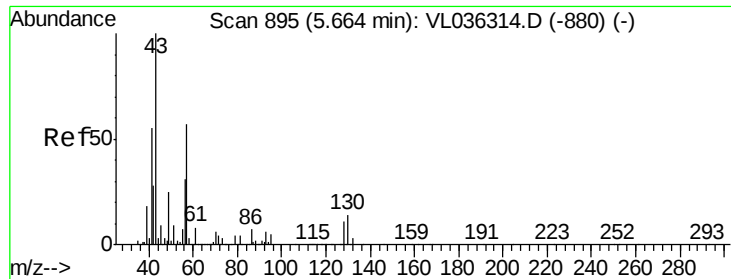


#20

Methylene Chloride
 Concen: 0.408 ppbv m
 RT: 4.35 min Scan# 487
 Delta R.T. 0.03 min
 Lab File: VL036367.D
 Acq: 25 Feb 2021 2:04

Tgt Ion: 84 Resp: 25995
 Ion Ratio Lower Upper
 84 100
 49 152.7 133.8 200.8
 51 27.9 41.4 62.0#
 86 59.7 51.5 77.3





#26

Hexane

Concen: 0.194 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.03 min

Lab File: VL036367.D

Acq: 25 Feb 2021 2:04

Instrument :

MSVOA_L

ClientSampleId :

NS-7DL

Tot Ion: 57 Resp: 30292

Ion Ratio Lower Upper

57 100

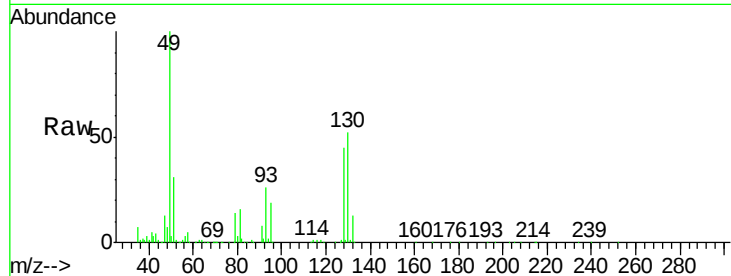
41 130.1 81.7 122.5#

43 109.0 199.1 298.7#

56 65.7 44.0 66.0

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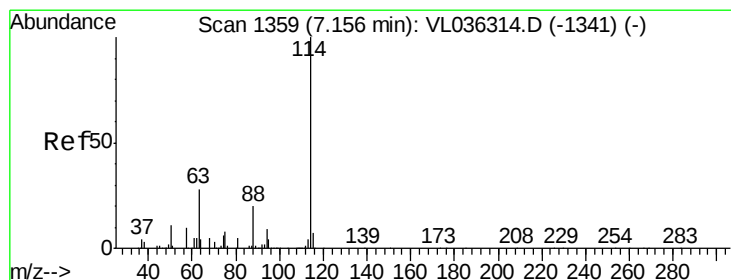
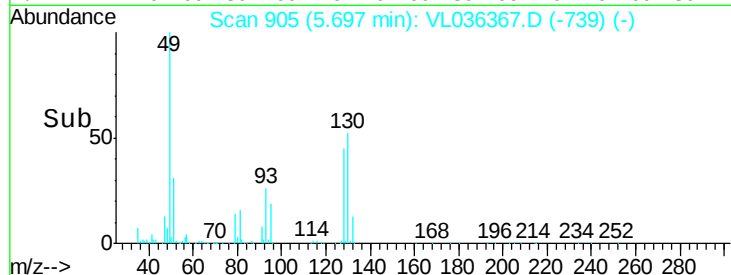
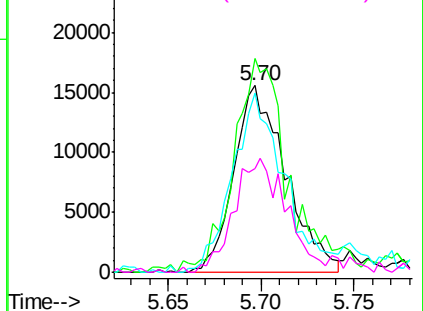


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1369

Delta R.T. 0.03 min

Lab File: VL036367.D

Acq: 25 Feb 2021 2:04

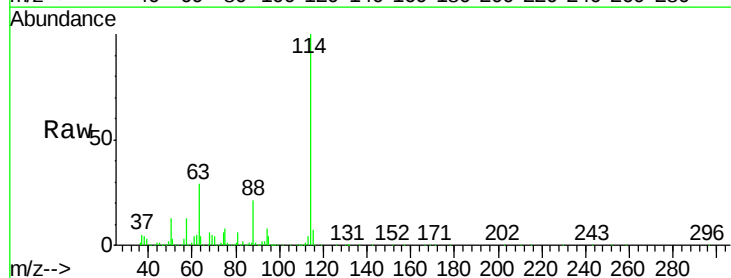
Tgt Ion:114 Resp: 3639686

Ion Ratio Lower Upper

114 100

63 29.2 24.1 36.1

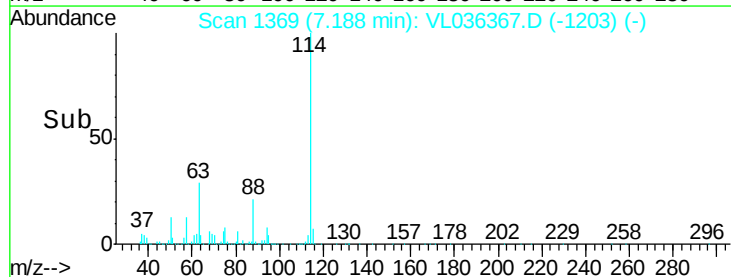
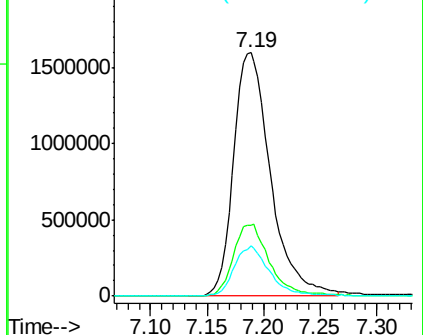
88 19.9 16.0 24.0

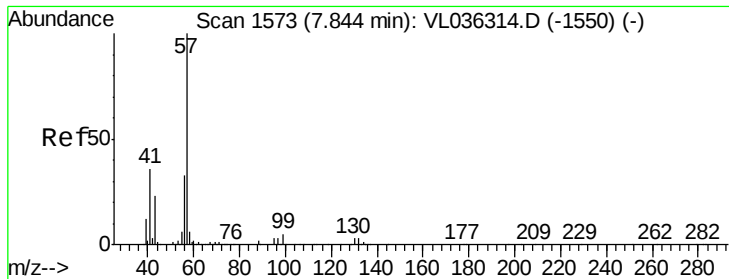


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.199 ppbv m

RT: 7.88 min Scan# 1584

Delta R.T. 0.04 min

Lab File: VL036367.D

Acq: 25 Feb 2021 2:04

Instrument :

MSVOA_L

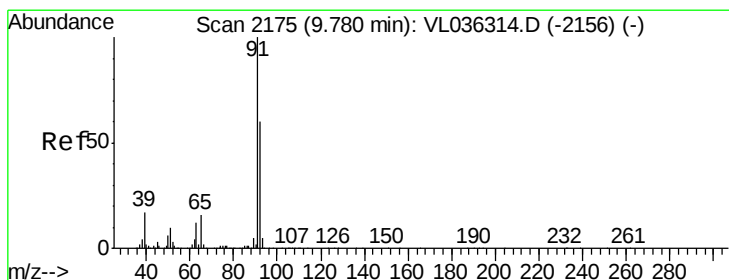
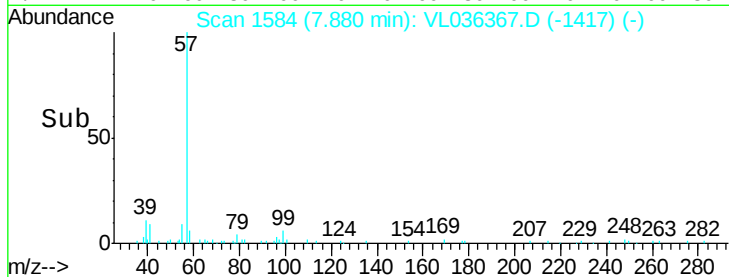
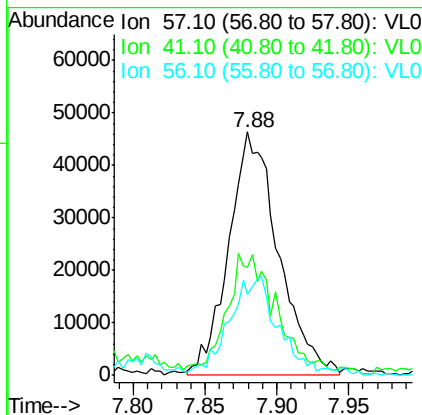
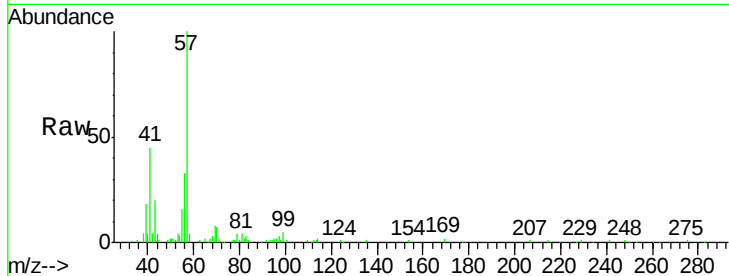
ClientSampleId :

NS-7DL

Tot Ion:	57	Resp:	112038
Ion Ratio		Lower	Upper
57	100		
41	48.6	28.8	43.2#
56	0.0	25.8	38.6#

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#53

Toluene

Concen: 0.506 ppbv

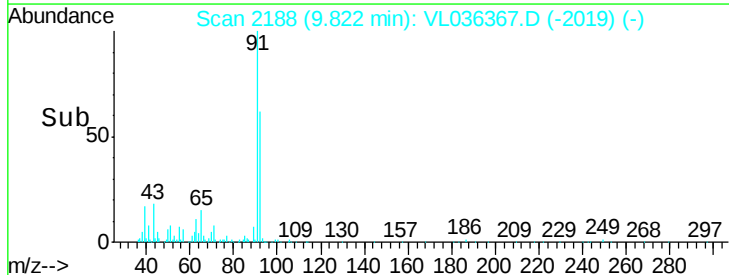
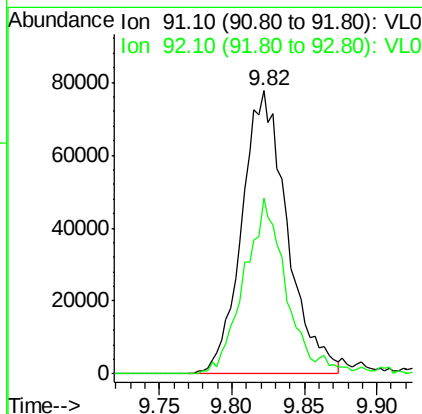
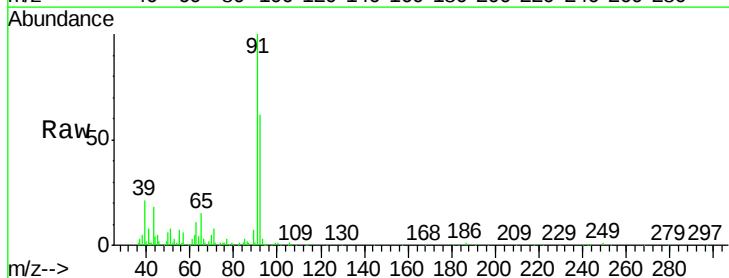
RT: 9.82 min Scan# 2188

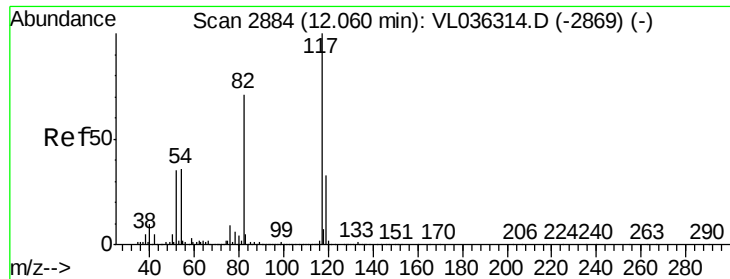
Delta R.T. 0.04 min

Lab File: VL036367.D

Acq: 25 Feb 2021 2:04

Tgt Ion:	91	Resp:	169405
Ion Ratio		Lower	Upper
91	100		
92	59.0	48.6	72.8





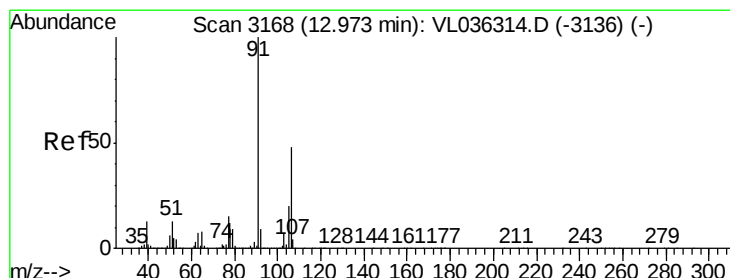
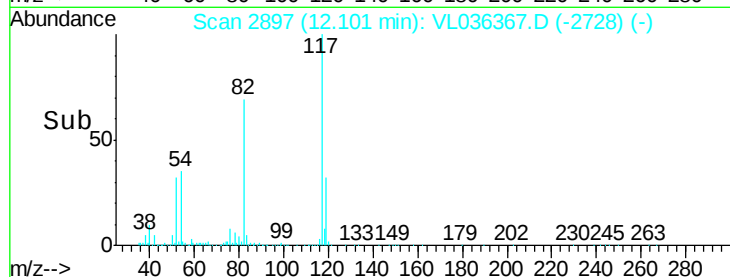
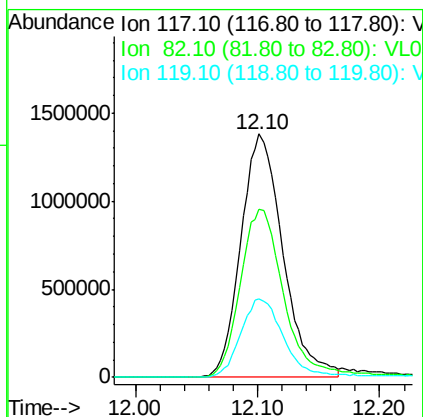
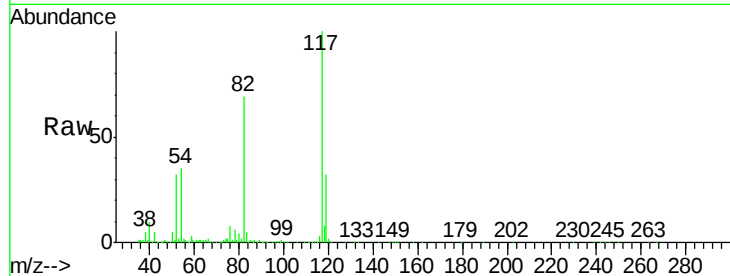
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL036367.D
Acq: 25 Feb 2021 2:04

Instrument :
MSVOA_L
ClientSampled :
NS-7DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.8	59.1	88.7
119	34.2	46.3	69.5

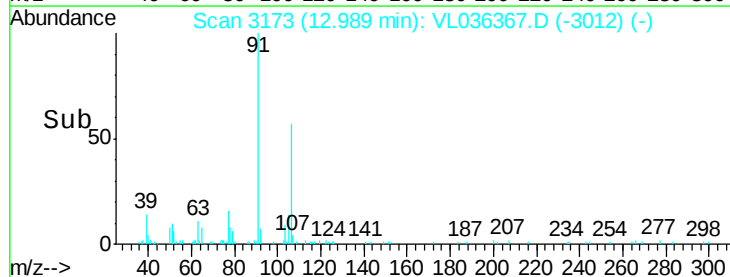
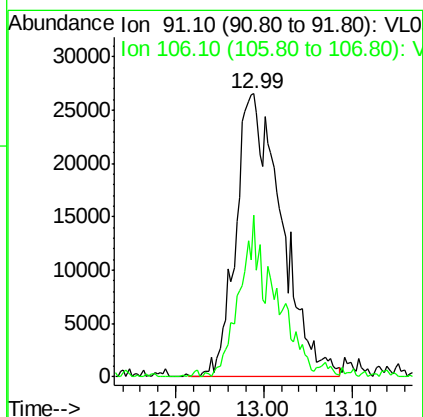
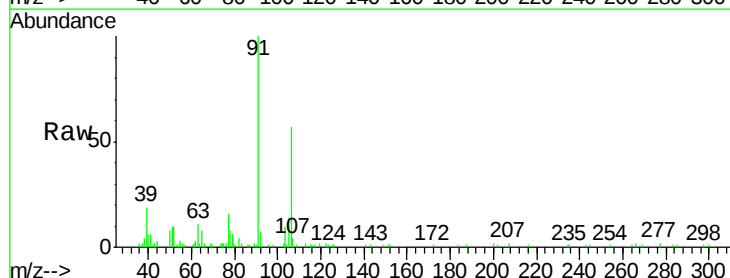
Manual Integrations
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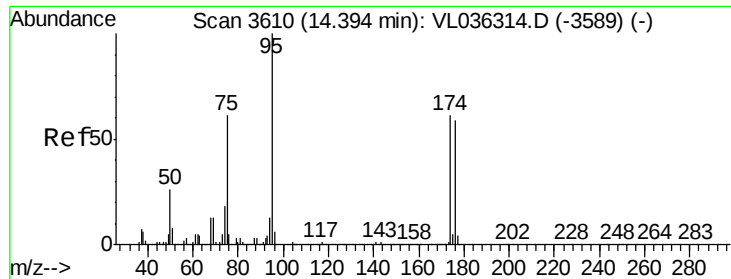
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#59
m/p-Xylene
Concen: 0.240 ppbv m
RT: 12.99 min Scan# 3173
Delta R.T. 0.02 min
Lab File: VL036367.D
Acq: 25 Feb 2021 2:04

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	34.2	51.2





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.701 ppbv
 RT: 14.44 min Scan# 3623
 Delta R.T. 0.04 min
 Lab File: VL036367.D
 Acq: 25 Feb 2021 2:04

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-7DL

Tot Ion: 95 Resp: 2630729
 Ion Ratio Lower Upper
 95 100
 174 65.4 49.8 74.6
 175 4.7 3.7 5.5

Manual Integrations
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