

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022421\
 Data File : VL036356.D
 Acq On : 24 Feb 2021 18:41
 Operator : SY/AP
 Sample : M1463-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 NS-13DL

Quant Time: Feb 25 05:19:00 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 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	1698346	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	3781042	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	3414805	10.00	ppbv	0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2813216	10.01	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.10%

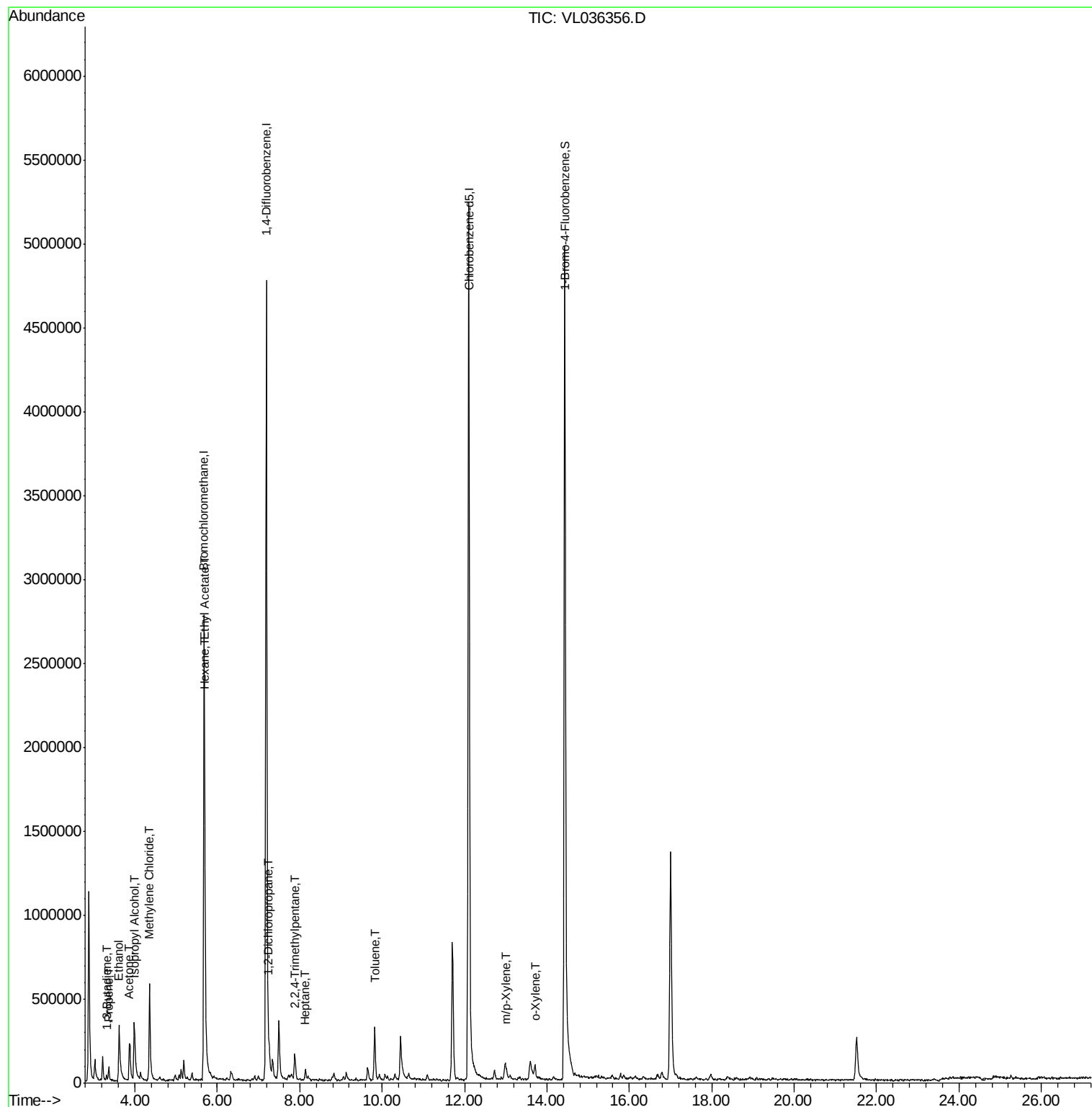
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.37	41	12285	0.156	ppbv	95
10) Heptane	8.14	43	8688	0.037	ppbv #	28
13) Ethanol	3.62	45	421569	28.527	ppbv	95
15) Acetone	3.86	43	275080	1.325	ppbv #	90
16) 1,3-Butadiene	3.32	39	5873	0.059	ppbv #	56
19) Isopropyl Alcohol	3.98	45	477226	4.149	ppbv #	97
20) Methylene Chloride	4.36	84	232094	3.465	ppbv	98
25) Ethyl Acetate	5.70	43	35747	0.089	ppbv #	93
26) Hexane	5.70	57	59020	0.358	ppbv #	41
39) 1,2-Dichloropropane	7.24	63	16297	0.125	ppbv #	16
44) 2,2,4-Trimethylpentane	7.88	57	68144	0.117	ppbv #	28
53) Toluene	9.82	91	199536	0.574	ppbv	99
59) m/p-Xylene	13.02	91	15650	0.038	ppbv #	33
60) o-Xylene	13.71	91	24515	0.062	ppbv #	32

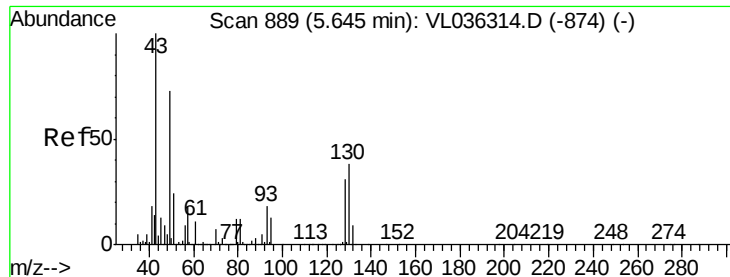
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022421\
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NS-13DL

Quant Time: Feb 25 05:19:00 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. 0.03 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

NS-13DL

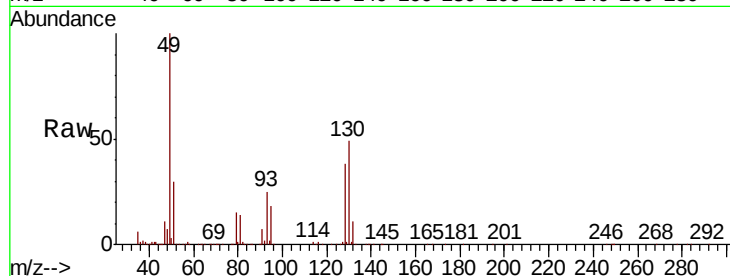
Tot Ion: 49 Resp: 1698346

Ion Ratio Lower Upper

49 100

128 43.5 20.8 62.5

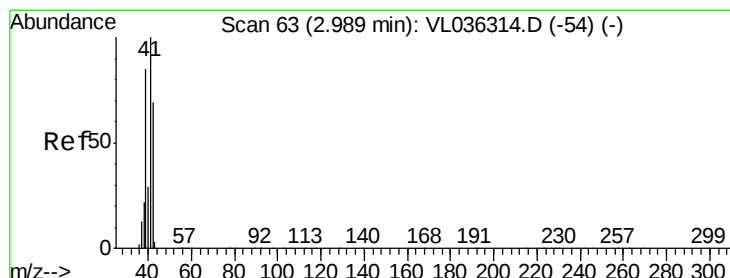
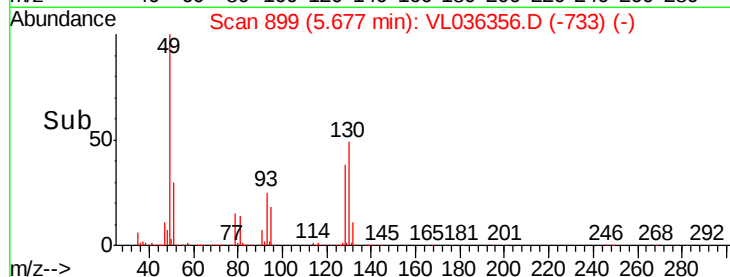
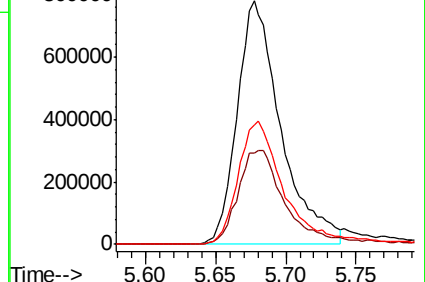
130 55.6 26.7 80.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.156 ppbv

RT: 3.37 min Scan# 180

Delta R.T. 0.38 min

Lab File: VL036356.D

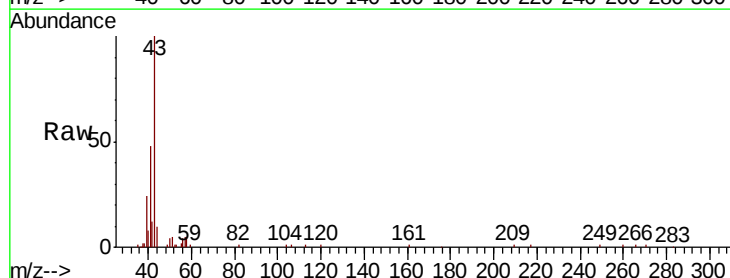
Acq: 24 Feb 2021 18:41

Tgt Ion: 41 Resp: 12285

Ion Ratio Lower Upper

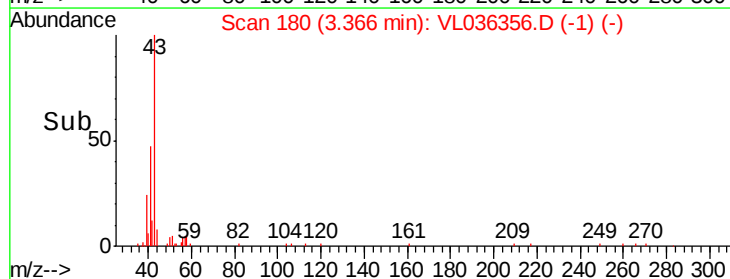
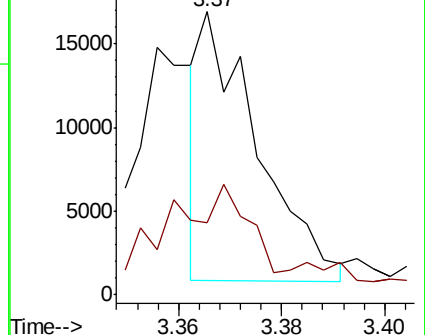
41 100

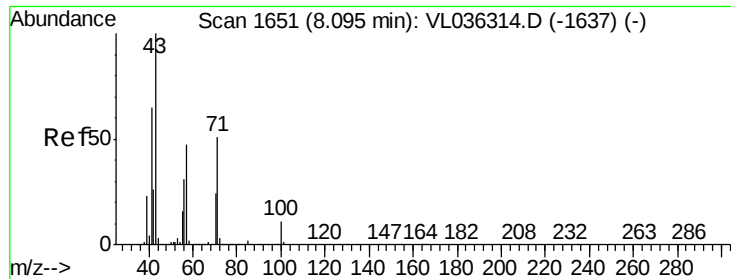
42 74.3 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

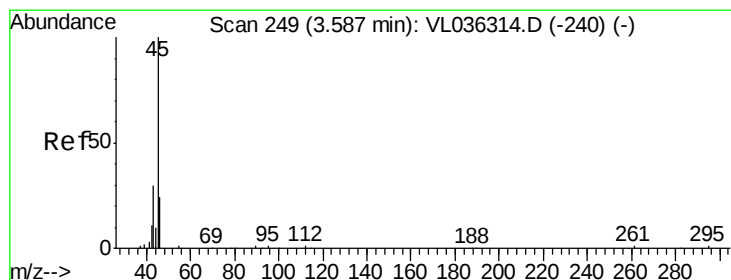
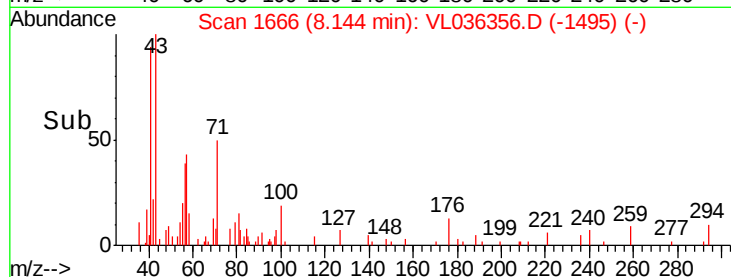
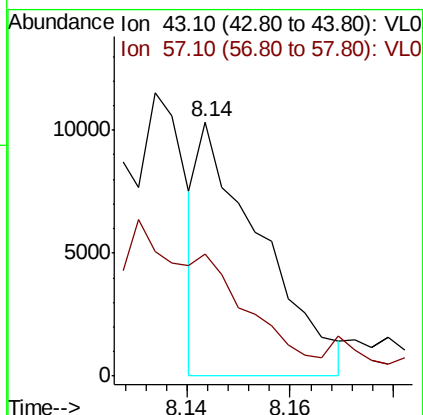
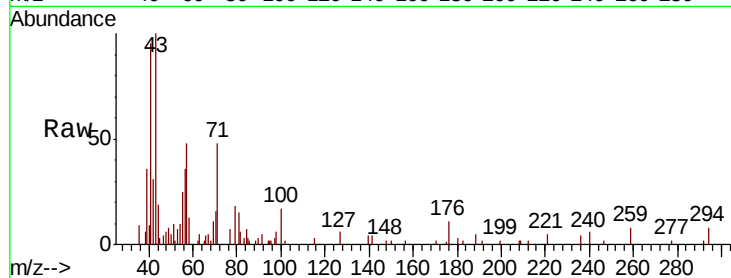




#10
Heptane
Concen: 0.037 ppbv
RT: 8.14 min Scan# 1666
Delta R.T. 0.05 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

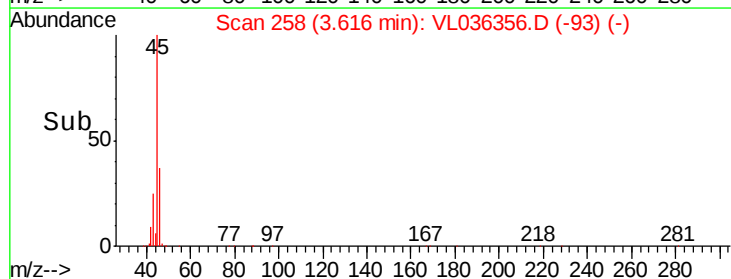
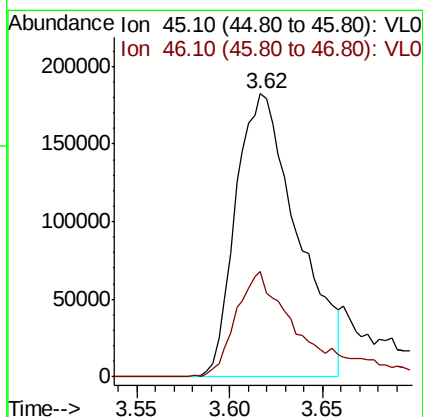
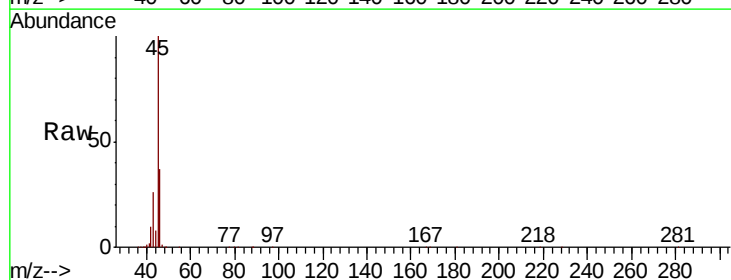
Instrument :
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NS-13DL

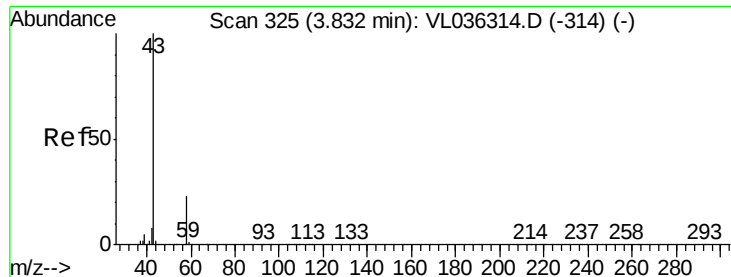
Tot Ion: 43 Resp: 8688
Ion Ratio Lower Upper
43 100
57 0.0 39.4 59.2#



#13
Ethanol
Concen: 28.527 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.03 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Tgt Ion: 45 Resp: 421569
Ion Ratio Lower Upper
45 100
46 40.9 17.7 70.7





#15

Acetone

Concen: 1.325 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.03 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

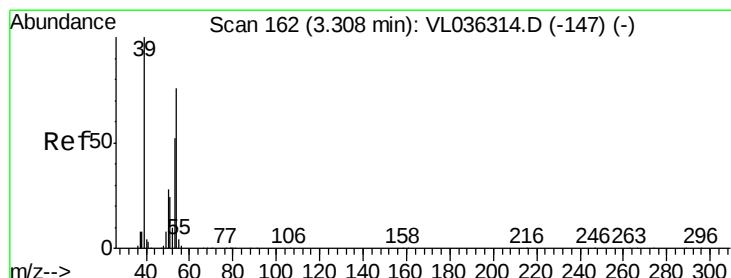
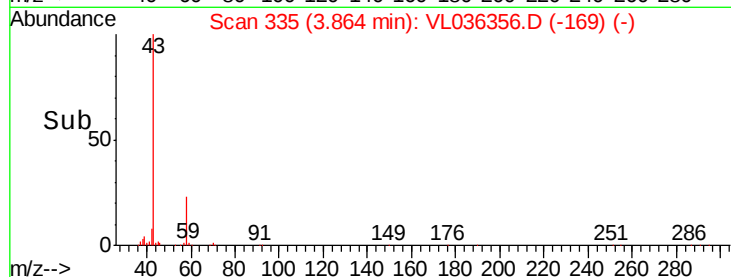
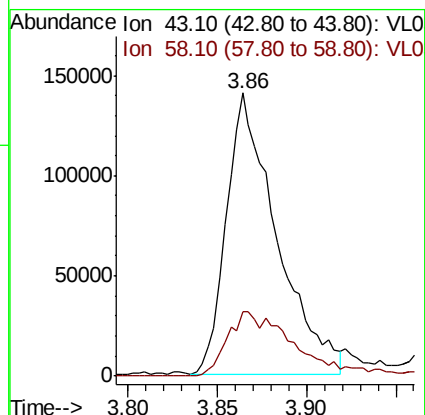
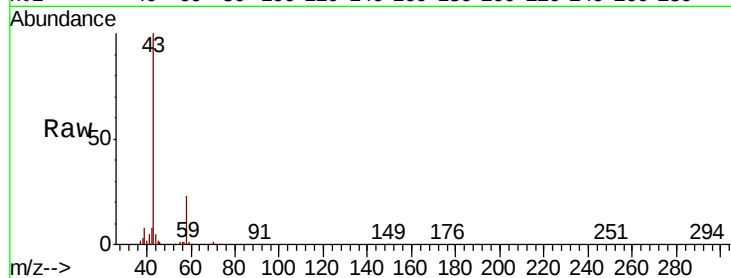
NS-13DL

Tot Ion: 43 Resp: 275080

Ion Ratio Lower Upper

43 100

58 30.7 20.3 30.5#



#16

1,3-Butadiene

Concen: 0.059 ppbv

RT: 3.32 min Scan# 167

Delta R.T. 0.02 min

Lab File: VL036356.D

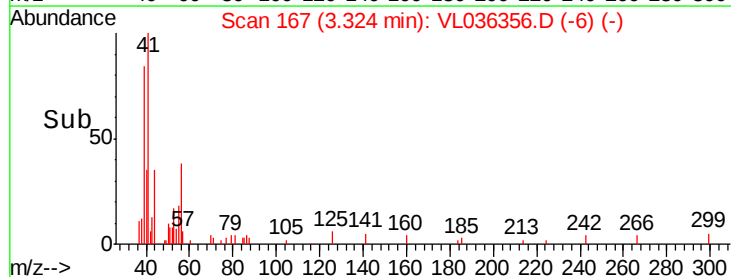
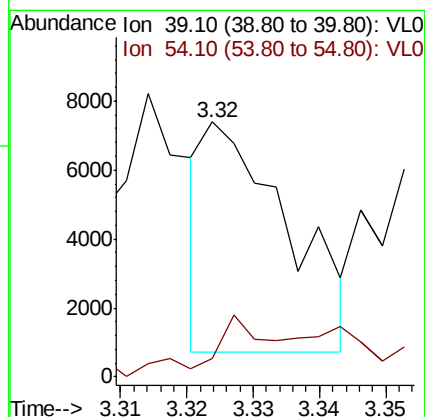
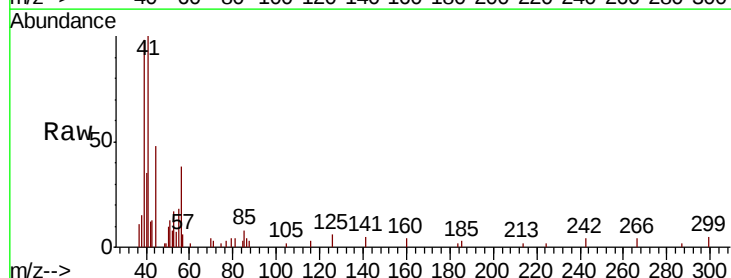
Acq: 24 Feb 2021 18:41

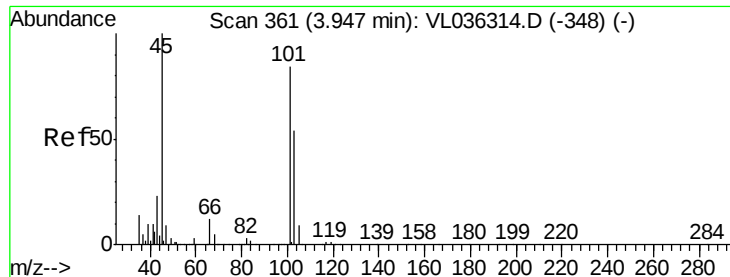
Tgt Ion: 39 Resp: 5873

Ion Ratio Lower Upper

39 100

54 41.8 64.4 96.6#





#19

Isopropyl Alcohol

Concen: 4.149 ppbv

RT: 3.98 min Scan# 372

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

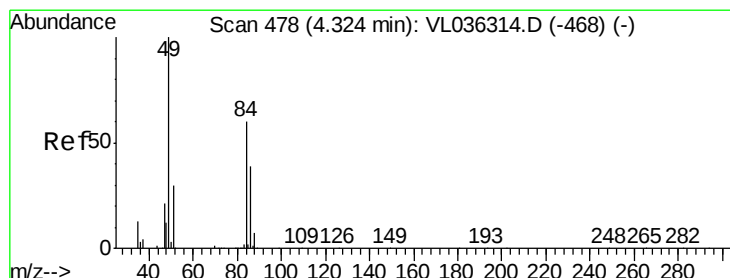
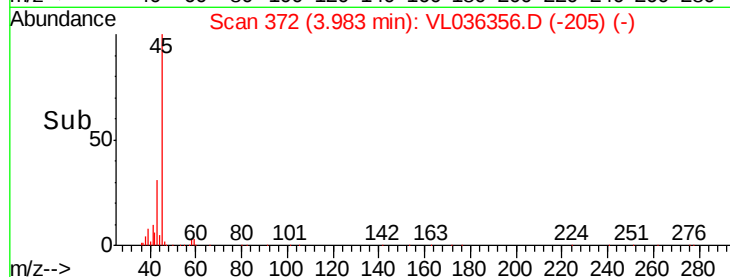
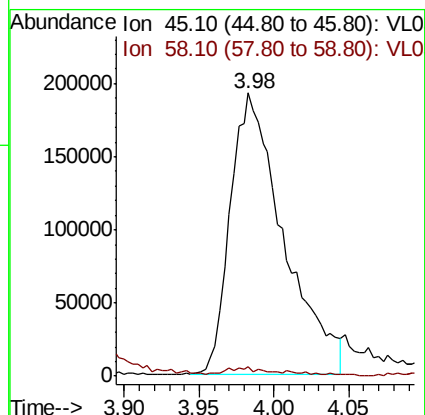
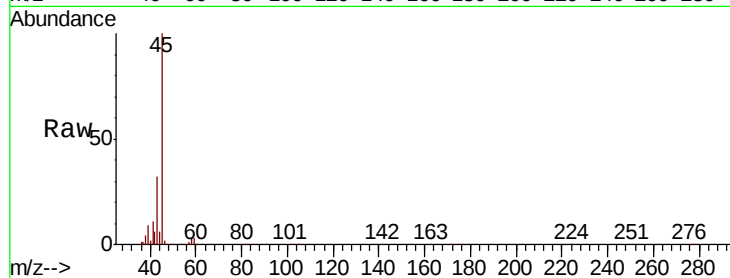
NS-13DL

Tot Ion: 45 Resp: 477226

Ion Ratio Lower Upper

45 100

58 3.3 1.9 2.9#



#20

Methylene Chloride

Concen: 3.465 ppbv

RT: 4.36 min Scan# 488

Delta R.T. 0.03 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Tgt Ion: 84 Resp: 232094

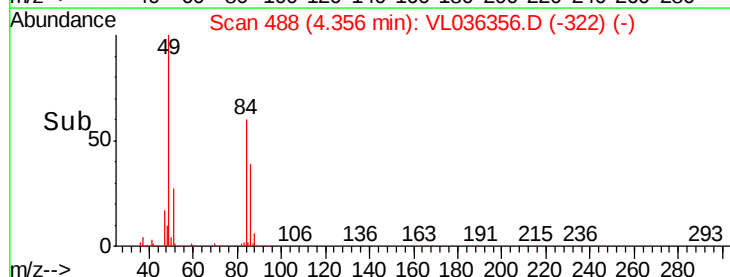
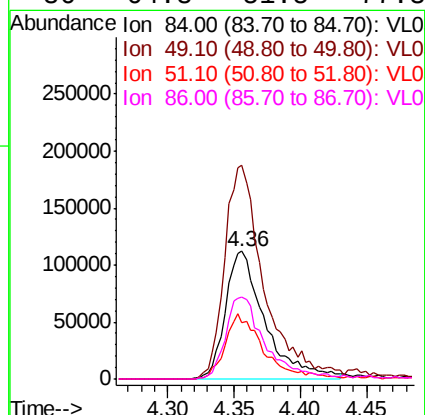
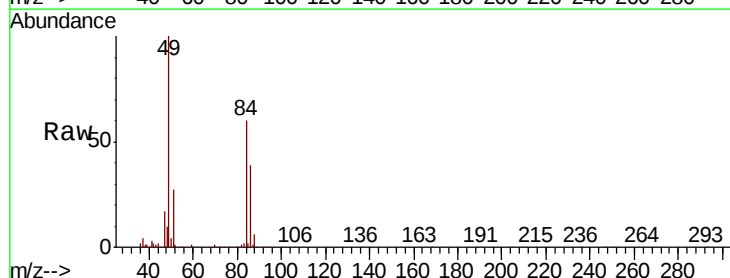
Ion Ratio Lower Upper

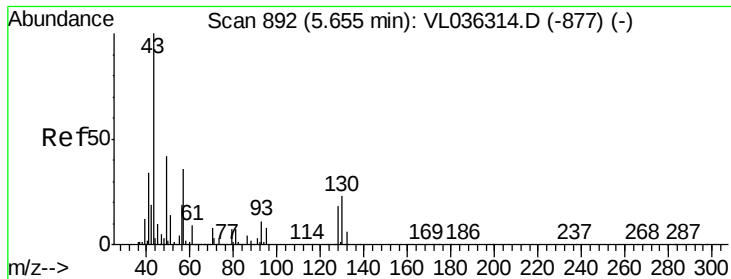
84 100

49 167.3 133.8 200.8

51 44.4 41.4 62.0

86 64.8 51.5 77.3





#25

Ethyl Acetate

Concen: 0.089 ppbv

RT: 5.70 min Scan# 905

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

NS-13DL

Tot Ion: 43 Resp: 35747

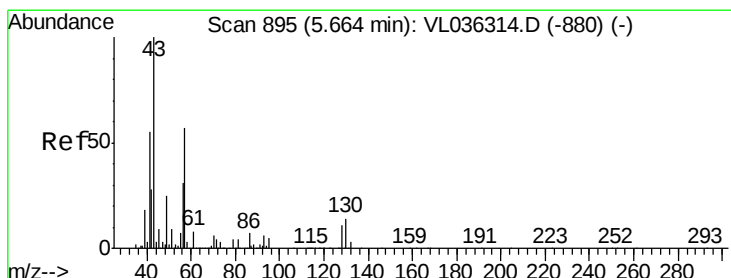
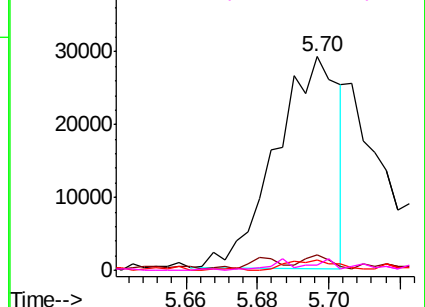
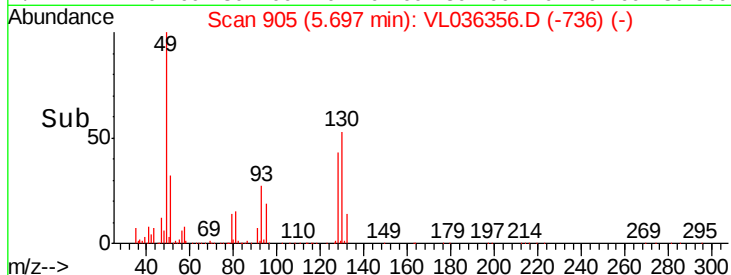
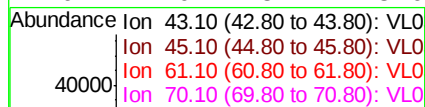
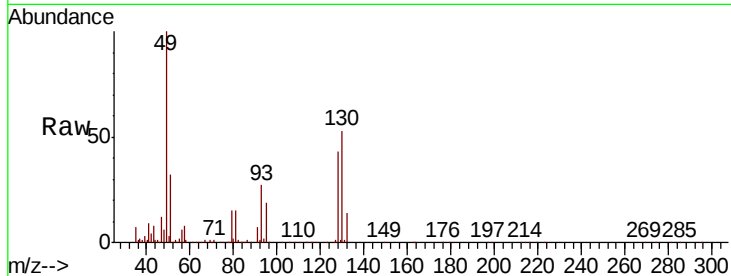
Ion Ratio Lower Upper

43 100

45 9.7 8.3 12.5

61 4.8 7.3 10.9#

70 4.0 5.4 8.0#



#26

Hexane

Concen: 0.358 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Tgt Ion: 57 Resp: 59020

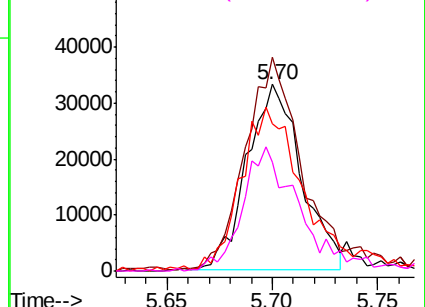
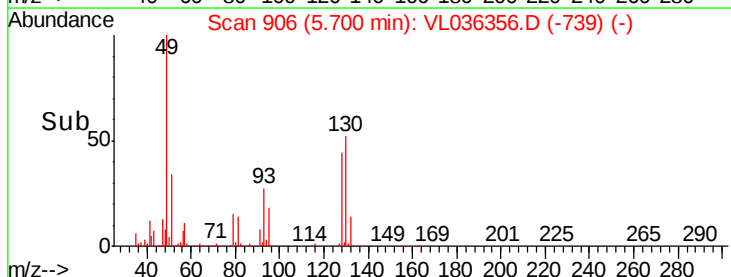
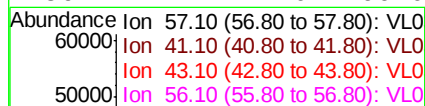
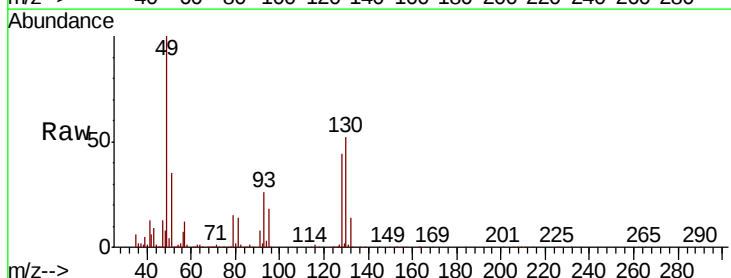
Ion Ratio Lower Upper

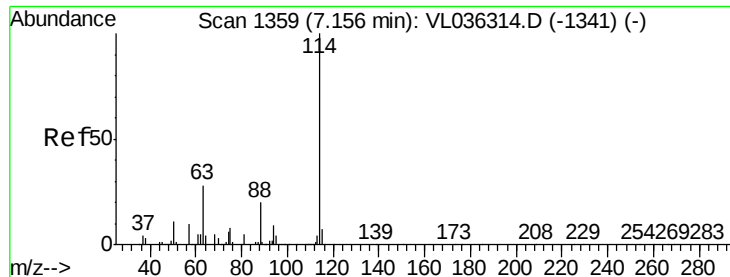
57 100

41 124.0 81.7 122.5#

43 105.6 199.1 298.7#

56 71.4 44.0 66.0#

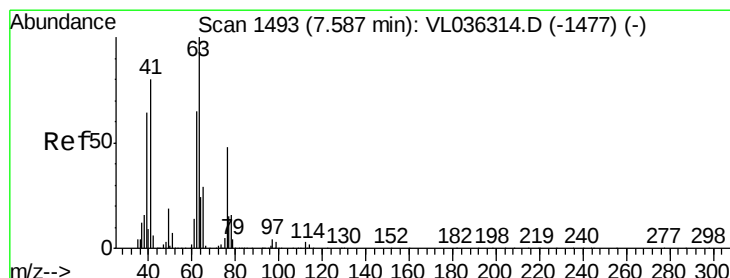
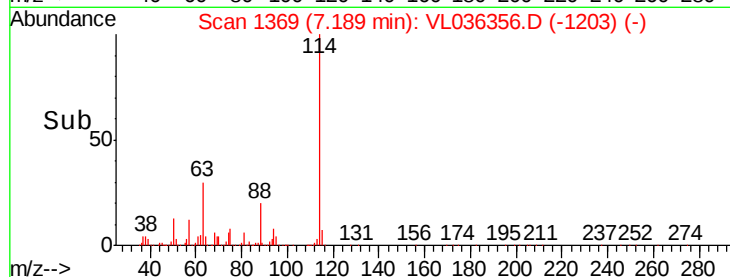
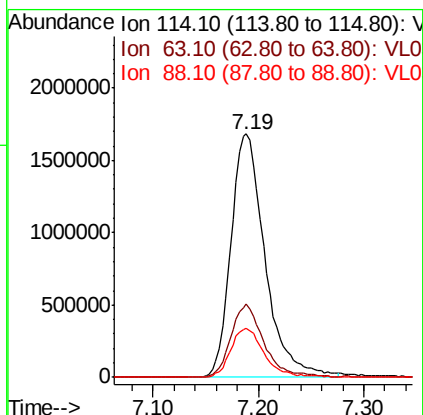
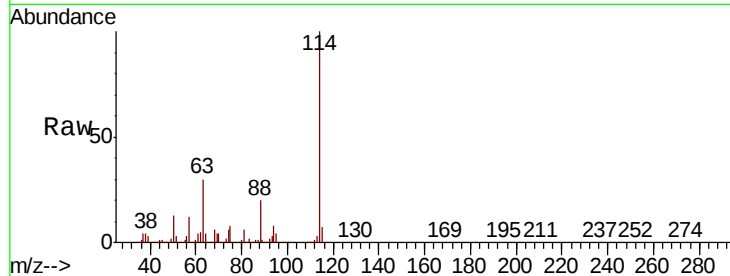




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T. 0.03 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

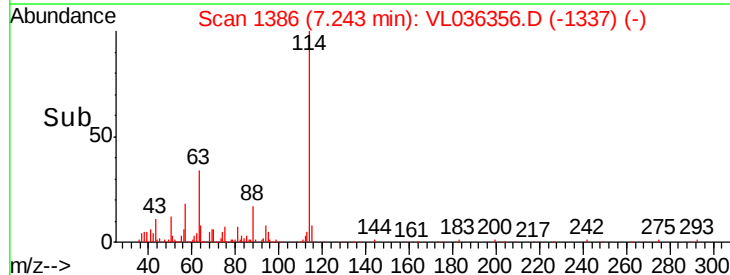
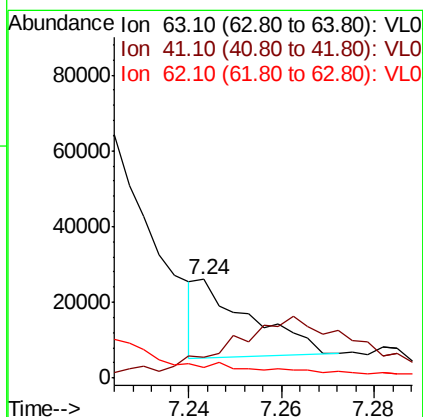
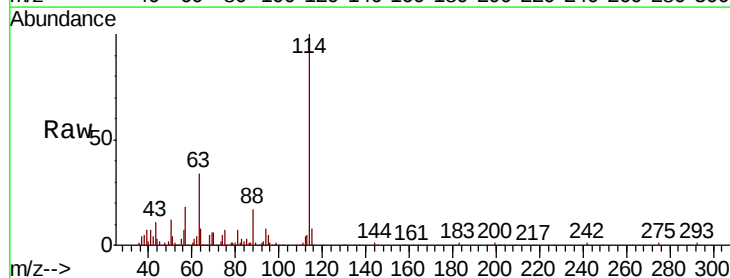
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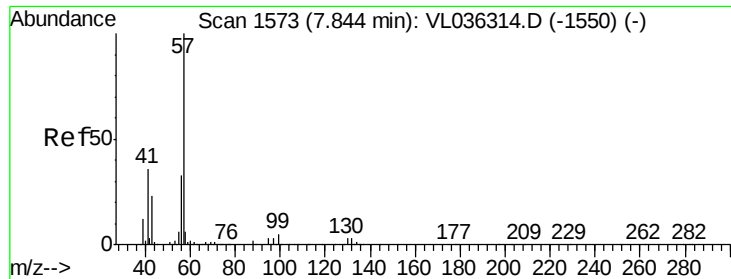
Tot Ion:114 Resp: 3781042
 Ion Ratio Lower Upper
 114 100
 63 29.4 24.1 36.1
 88 20.4 16.0 24.0



#39
 1,2-Dichloropropane
 Concen: 0.125 ppbv
 RT: 7.24 min Scan# 1386
 Delta R.T. -0.34 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Tgt Ion: 63 Resp: 16297
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 5.8 52.3 78.5#

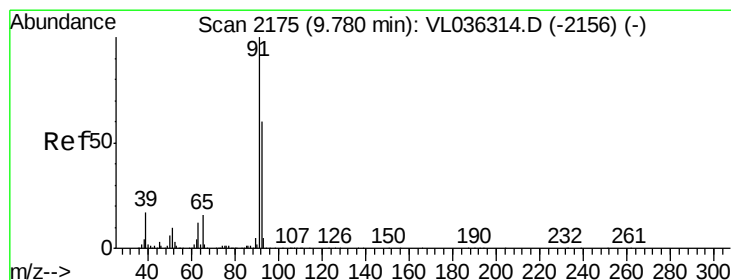
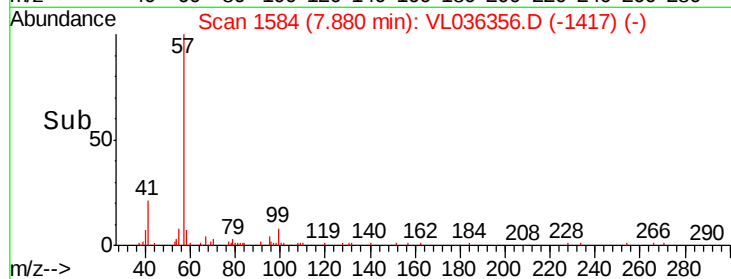
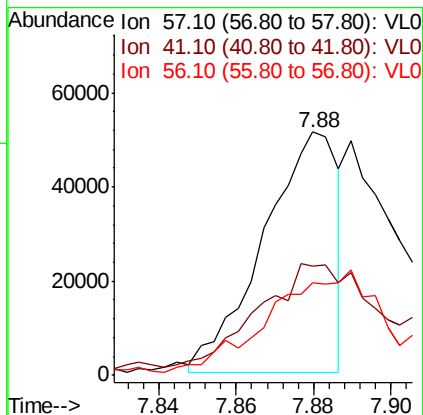
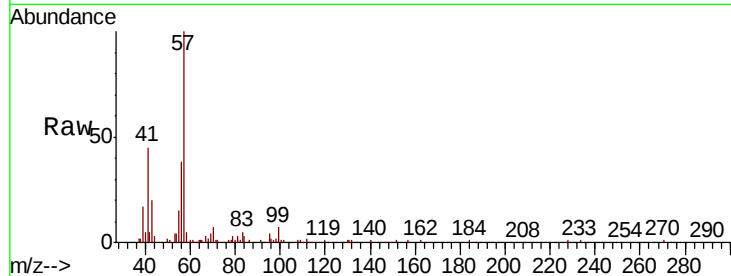




#44
 2,2,4-Trimethylpentane
 Concen: 0.117 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.04 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

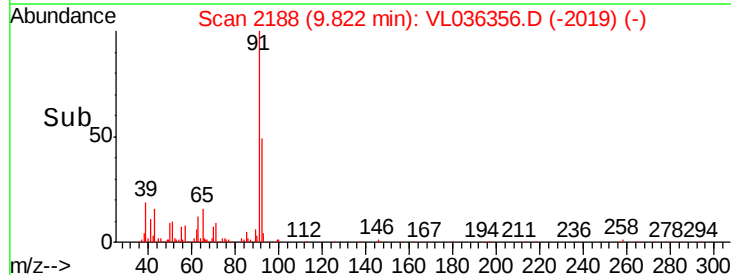
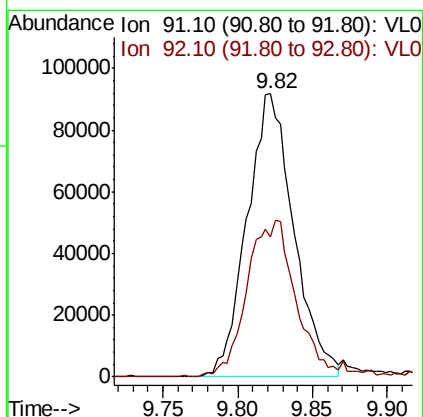
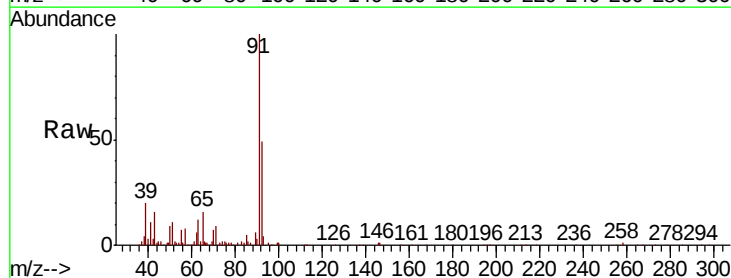
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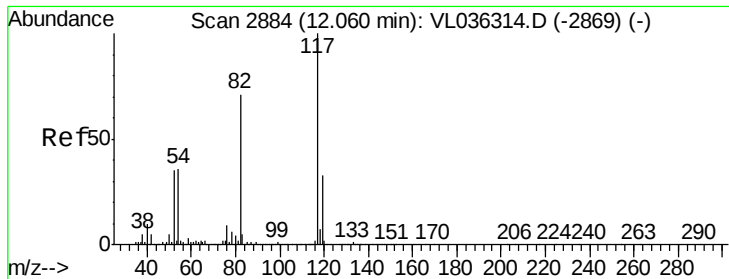
Tot Ion: 57 Resp: 68144
 Ion Ratio Lower Upper
 57 100
 41 85.6 28.8 43.2#
 56 0.0 25.8 38.6#



#53
 Toluene
 Concen: 0.574 ppbv
 RT: 9.82 min Scan# 2188
 Delta R.T. 0.04 min
 Lab File: VL036356.D
 Acq: 24 Feb 2021 18:41

Tgt Ion: 91 Resp: 199536
 Ion Ratio Lower Upper
 91 100
 92 60.0 48.6 72.8

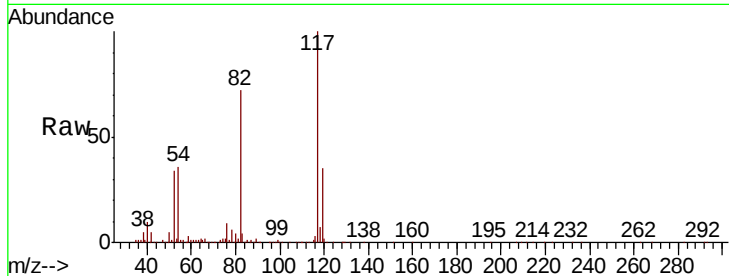




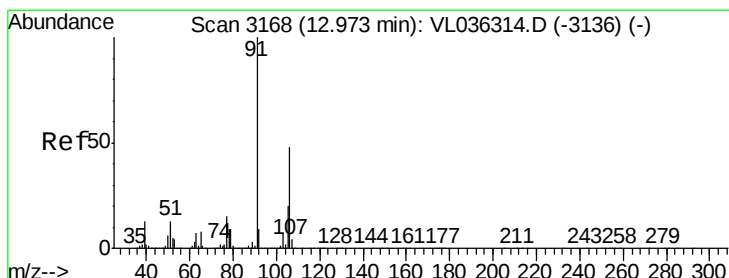
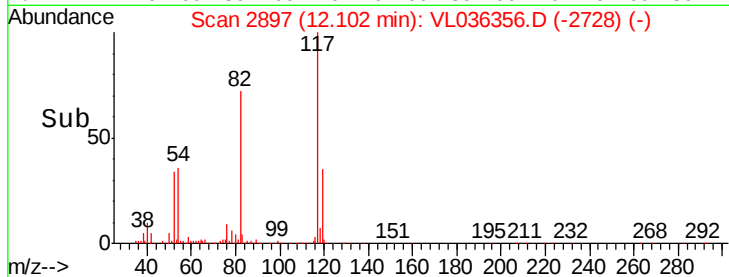
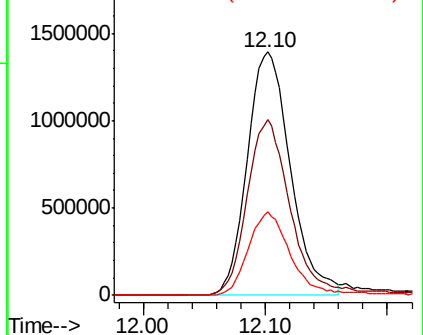
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. 0.04 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Instrument :
MSVOA_L
ClientSampleId :
NS-13DL

Tot Ion:117 Resp: 3414805
Ion Ratio Lower Upper
117 100
82 74.2 59.1 88.7
119 34.3 46.3 69.5#

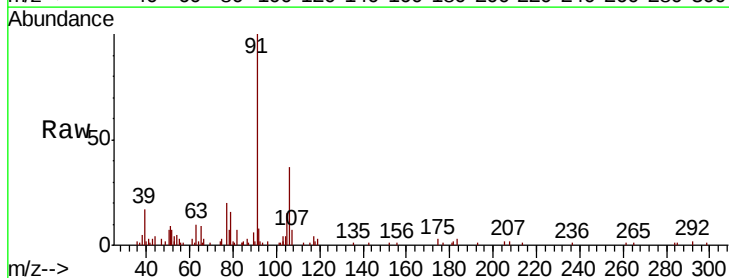


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

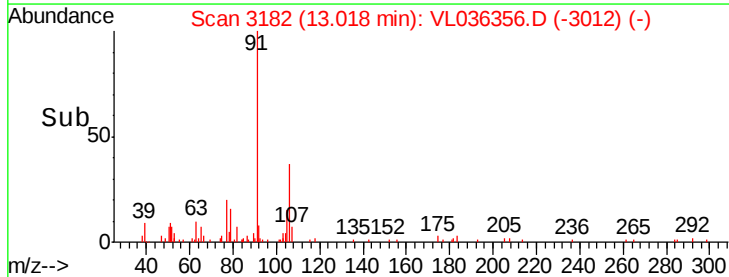
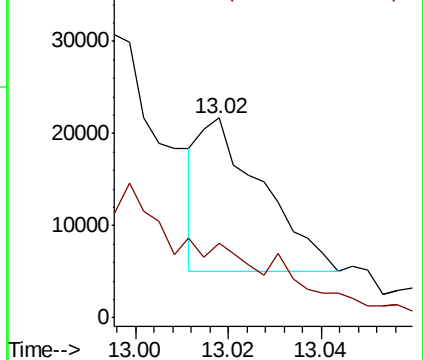


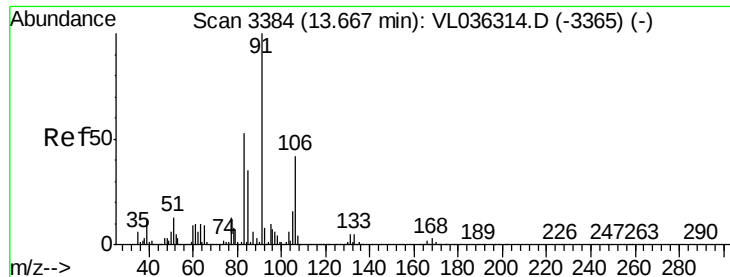
#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 13.02 min Scan# 3182
Delta R.T. 0.05 min
Lab File: VL036356.D
Acq: 24 Feb 2021 18:41

Tgt Ion: 91 Resp: 15650
Ion Ratio Lower Upper
91 100
106 0.0 34.2 51.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.062 ppbv

RT: 13.71 min Scan# 3398

Delta R.T. 0.05 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Instrument :

MSVOA_L

ClientSampleId :

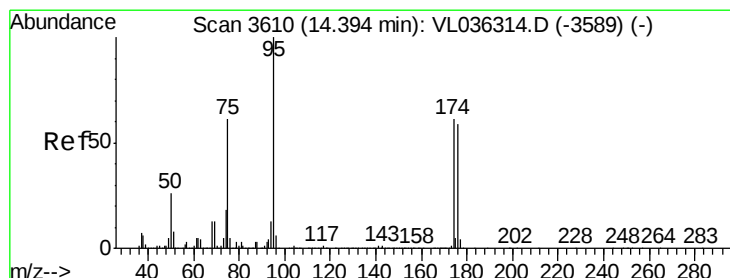
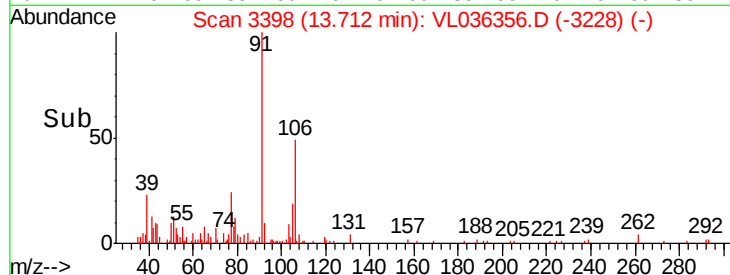
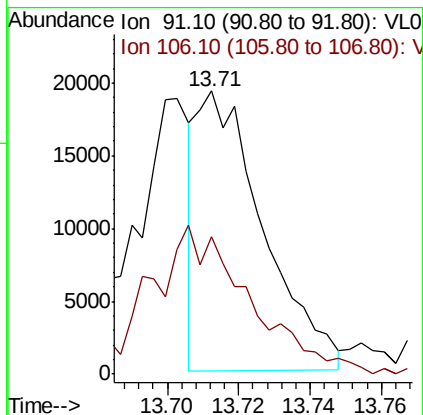
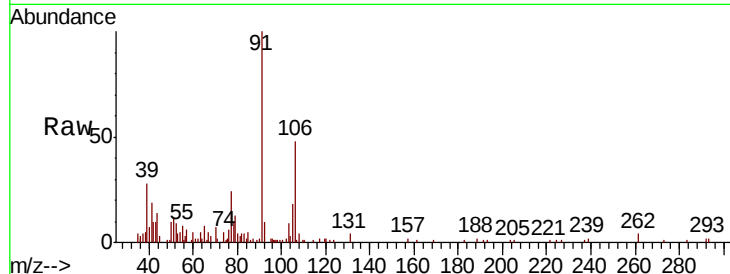
NS-13DL

Tot Ion: 91 Resp: 24515

Ion Ratio Lower Upper

91 100

106 0.0 22.0 66.0#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.013 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. 0.04 min

Lab File: VL036356.D

Acq: 24 Feb 2021 18:41

Tgt Ion: 95 Resp: 2813216

Ion Ratio Lower Upper

95 100

174 64.0 49.8 74.6

175 4.6 3.7 5.5

