

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036103.D
 Acq On : 8 Dec 2020 20:28
 Operator : SY/AP
 Sample : L4949-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Quant Time: Dec 09 07:20:39 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1197314	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2667622	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.10	117	2378827	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2022137	10.71	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.10%	

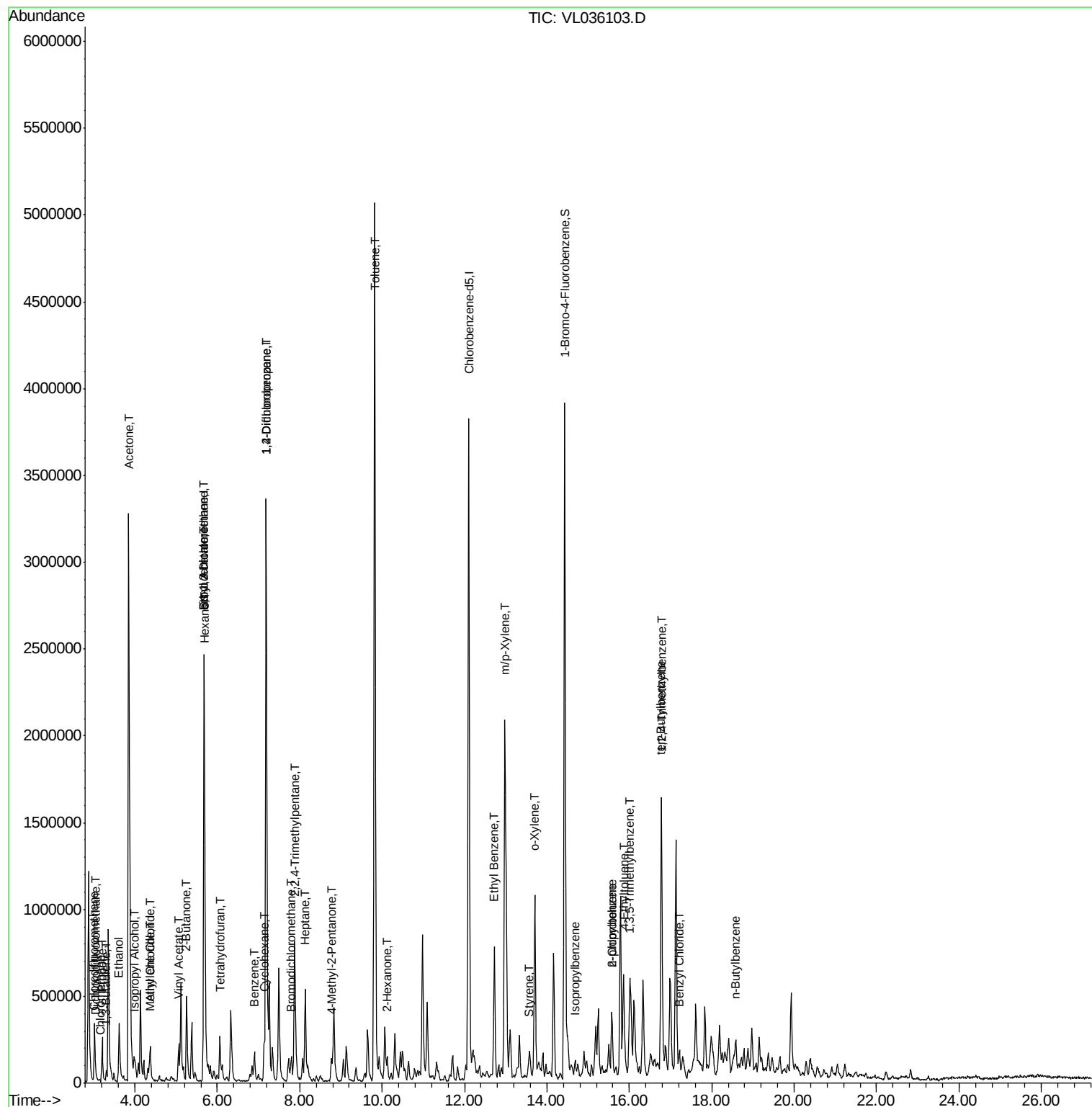
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	4753	0.034	ppbv #	85
3) Chlorodifluoromethane	3.00	51	6274	0.046	ppbv	99
4) Chloromethane	3.14	50	2292	0.034	ppbv #	77
9) Propene	3.20	41	78338	1.145	ppbv	94
10) Heptane	8.13	43	252851	1.447	ppbv	98
13) Ethanol	3.61	45	446404	47.320	ppbv	86
15) Acetone	3.85	43	4703237	32.684	ppbv	97
16) 1,3-Butadiene	3.31	39	19762	0.273	ppbv #	46
19) Isopropyl Alcohol	3.98	45	141109	1.604	ppbv #	100
20) Methylene Chloride	4.35	84	20264	0.344	ppbv #	89
21) Allyl Chloride	4.38	41	25812	0.270	ppbv #	16
23) Vinyl Acetate	5.06	43	82444	0.430	ppbv #	1
25) Ethyl Acetate	5.68	43	624107	2.171	ppbv	97
26) Hexane	5.69	57	218971	1.692	ppbv #	79
30) Cyclohexane	7.13	84	52845	0.556	ppbv #	41
31) cis-1,2-Dichloroethene	5.69	61	57438	0.488	ppbv #	30
34) 2-Butanone	5.25	43	681536	3.852	ppbv	98
36) Benzene	6.90	78	132524	0.586	ppbv #	85
39) 1,2-Dichloropropane	7.19	63	774039	8.670	ppbv #	24
41) Tetrahydrofuran	6.06	42	159098	1.513	ppbv	93
42) Bromodichloromethane	7.81	83	10646	0.061	ppbv #	29
44) 2,2,4-Trimethylpentane	7.88	57	739643	1.807	ppbv #	83
50) 4-Methyl-2-Pentanone	8.76	43	36594	0.139	ppbv #	40
51) 2-Hexanone	10.12	43	30541	0.148	ppbv #	36
53) Toluene	9.82	91	4009499	15.794	ppbv	99
58) Ethyl Benzene	12.72	91	728832	2.236	ppbv	95
59) m/p-Xylene	12.98	91	2202377	8.021	ppbv	98
60) o-Xylene	13.71	91	859478	3.322	ppbv	97
61) Styrene	13.55	104	5500	0.033	ppbv #	25
62) Isopropylbenzene	14.69	105	39775	0.104	ppbv #	58
64) n-propylbenzene	15.58	120	31209	0.338	ppbv #	1
65) tert-Butylbenzene	16.77	119	34770	0.111	ppbv #	15
66) Benzyl Chloride	17.23	91	21913	0.280	ppbv #	70
70) n-Butylbenzene	18.56	91	32436	0.094	ppbv #	49
71) 2-Chlorotoluene	15.58	91	368408	1.271	ppbv #	46
72) 4-Ethyltoluene	15.85	105	415576	1.483	ppbv	96
73) 1,3,5-Trimethylbenzene	16.01	105	364249	1.361	ppbv	99
74) 1,2,4-Trimethylbenzene	16.78	105	1141712	4.250	ppbv #	65

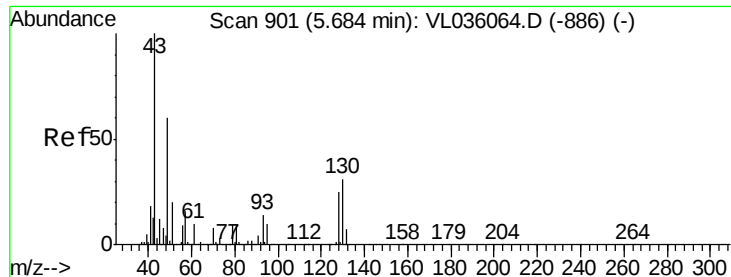
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

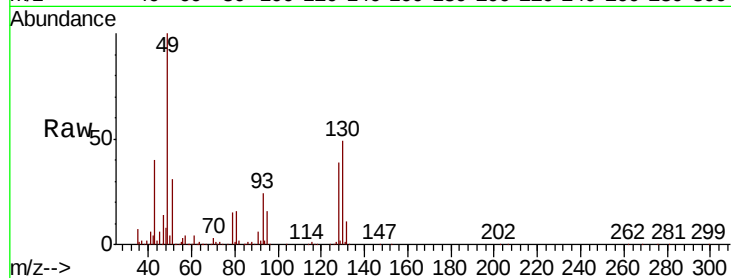
Tot Ion: 49 Resp: 1197314

Ion Ratio Lower Upper

49 100

128 39.0 21.1 63.1

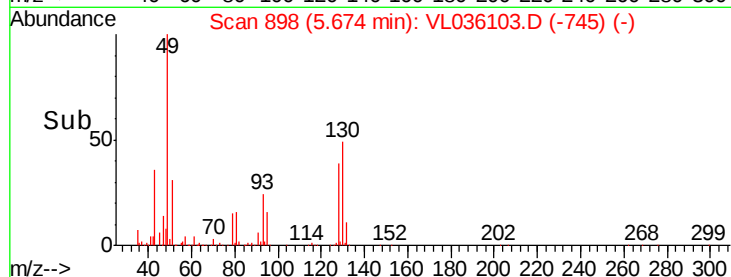
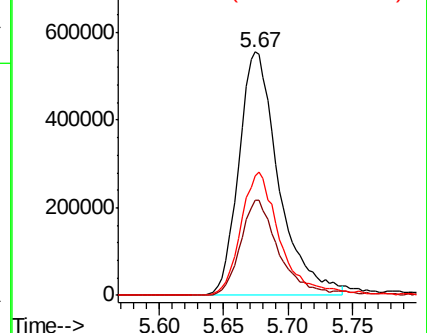
130 50.6 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.034 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL036103.D

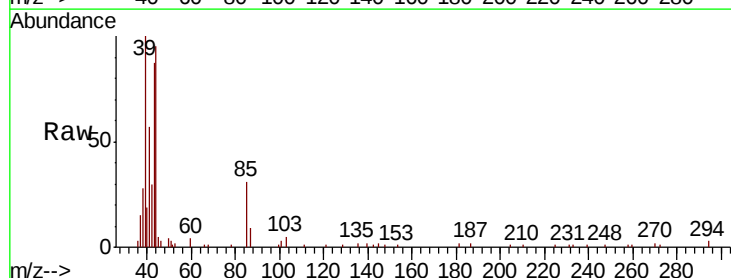
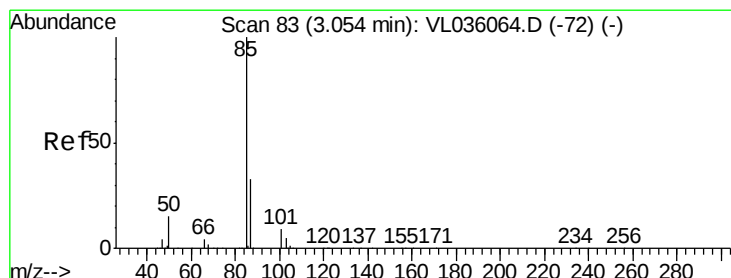
Acq: 8 Dec 2020 20:28

Tgt Ion: 85 Resp: 4753

Ion Ratio Lower Upper

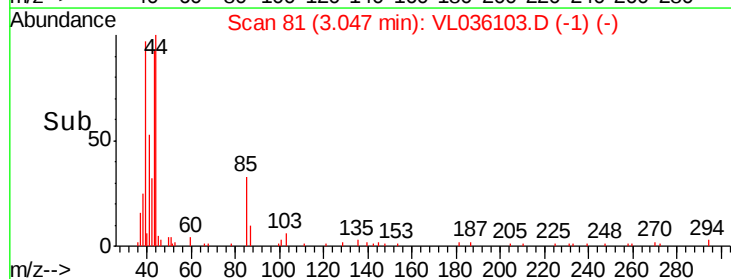
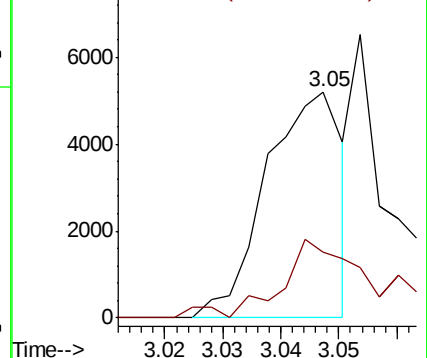
85 100

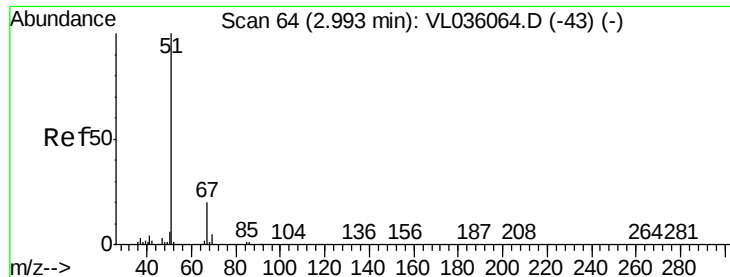
87 24.4 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

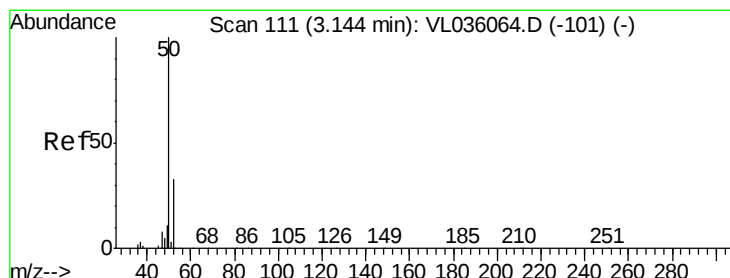
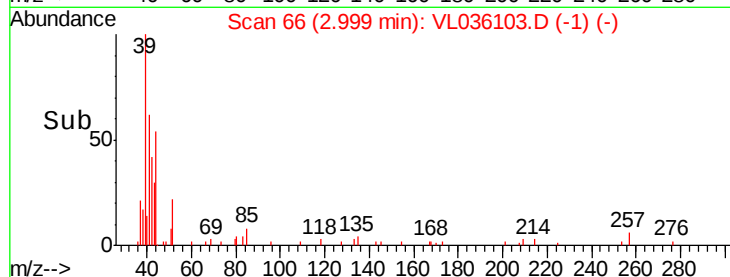
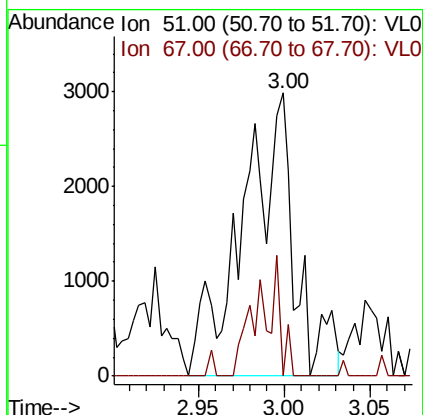
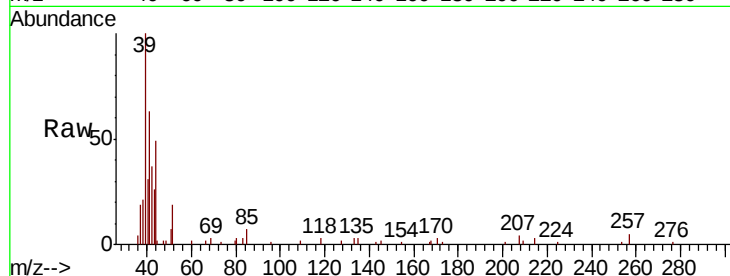




#3
Chlorodifluoromethane
Concen: 0.046 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.01 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

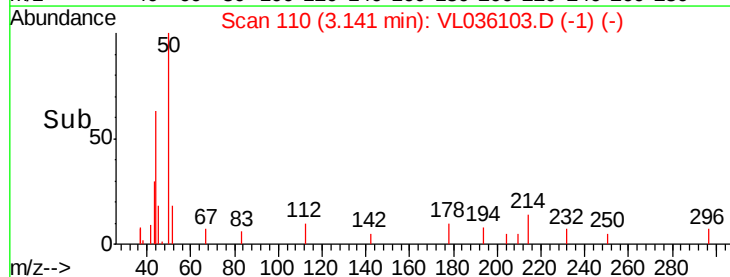
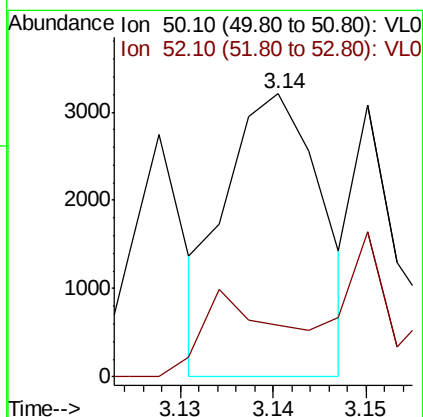
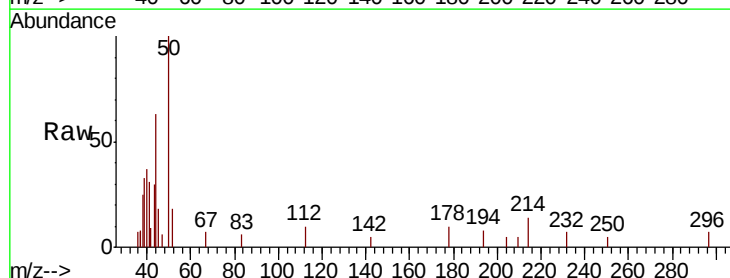
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

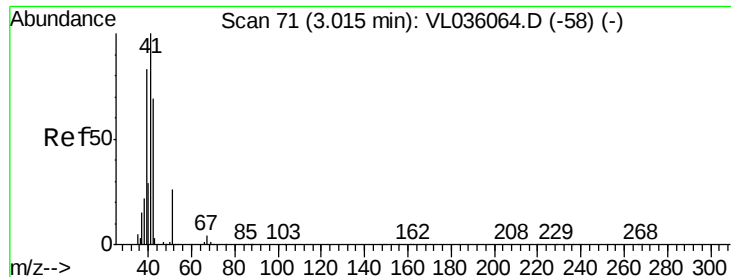
Tot Ion: 51 Resp: 6274
Ion Ratio Lower Upper
51 100
67 18.6 14.3 21.5



#4
Chloromethane
Concen: 0.034 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

Tgt Ion: 50 Resp: 2292
Ion Ratio Lower Upper
50 100
52 19.6 26.1 39.1#





#9

Propene

Concen: 1.145 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

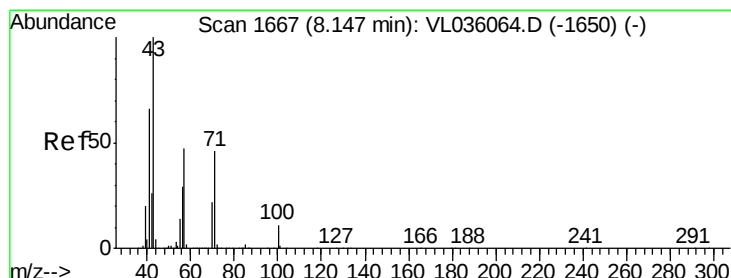
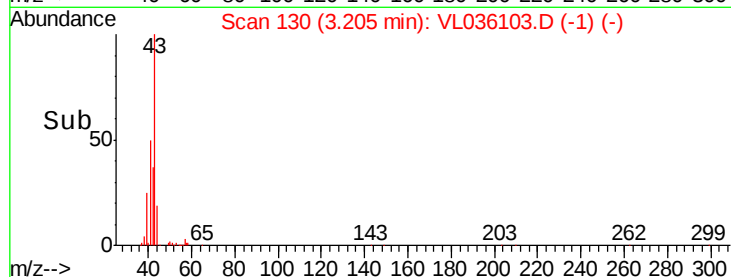
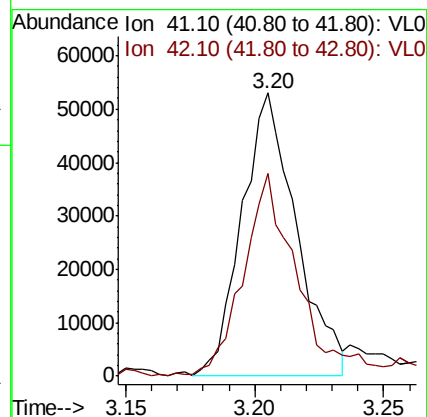
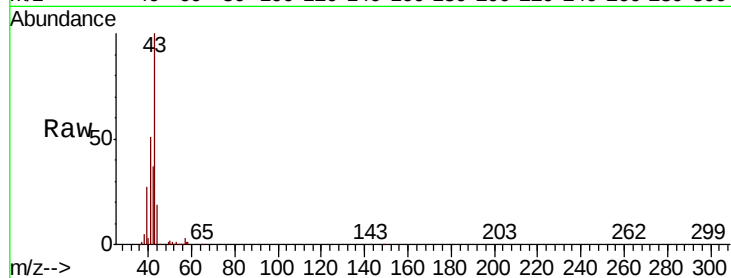
IA-1DL

Tot Ion: 41 Resp: 78338

Ion Ratio Lower Upper

41 100

42 75.9 57.0 85.6



#10

Heptane

Concen: 1.447 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. -0.02 min

Lab File: VL036103.D

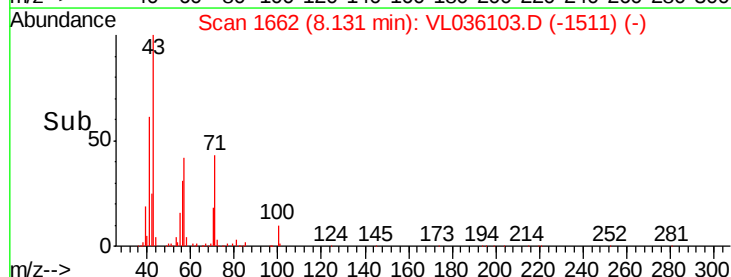
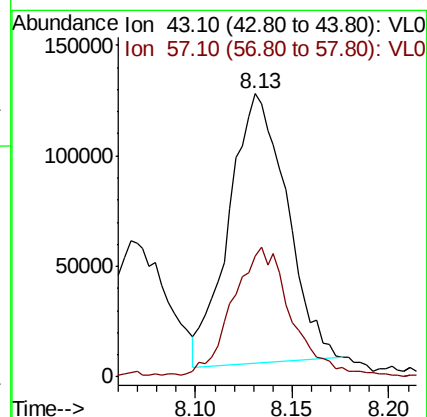
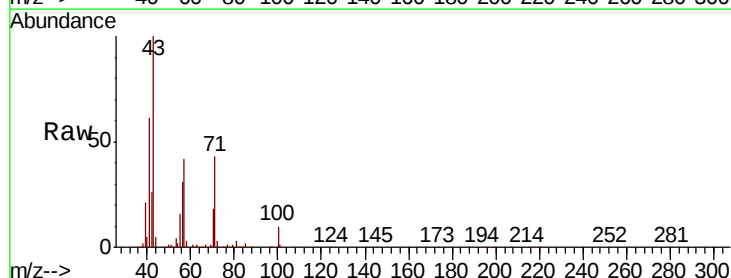
Acq: 8 Dec 2020 20:28

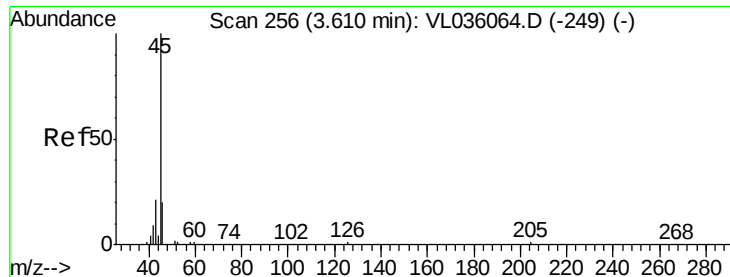
Tgt Ion: 43 Resp: 252851

Ion Ratio Lower Upper

43 100

57 49.0 37.9 56.9





#13

Ethanol

Concen: 47.320 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

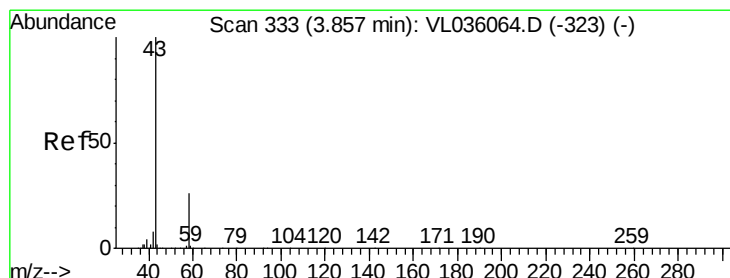
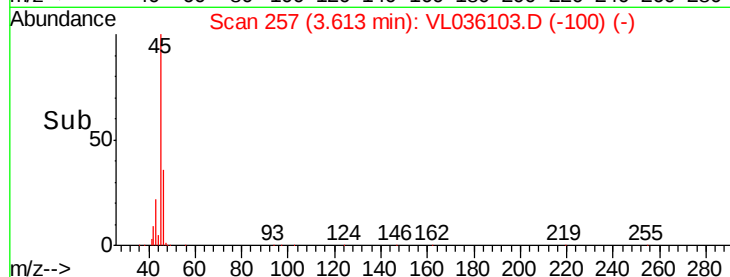
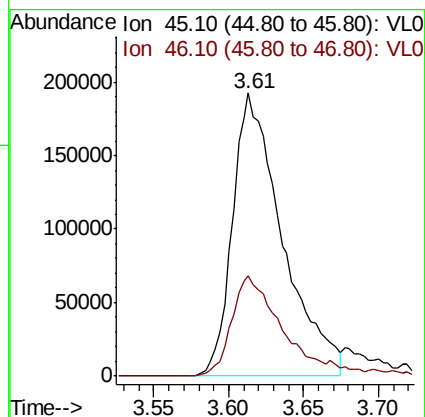
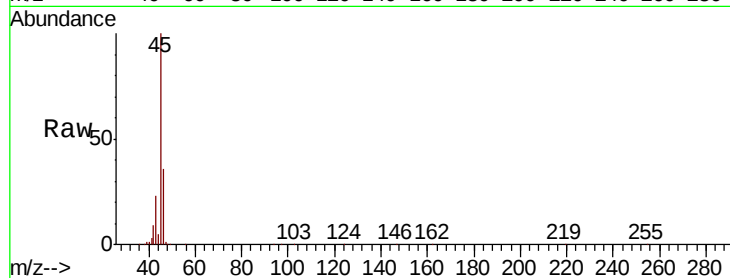
IA-1DL

Tot Ion: 45 Resp: 446404

Ion Ratio Lower Upper

45 100

46 38.0 19.0 75.8



#15

Acetone

Concen: 32.684 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.01 min

Lab File: VL036103.D

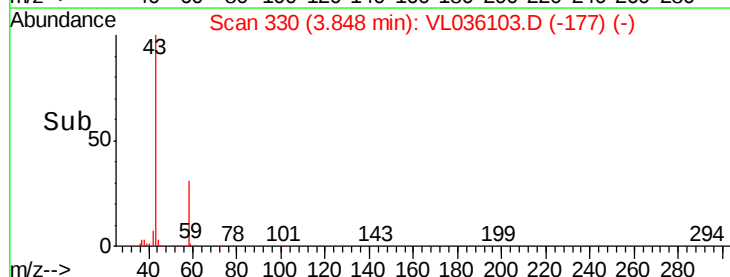
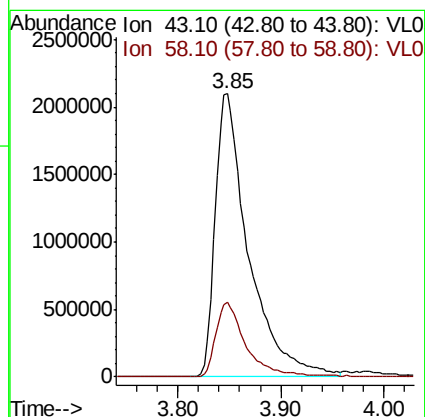
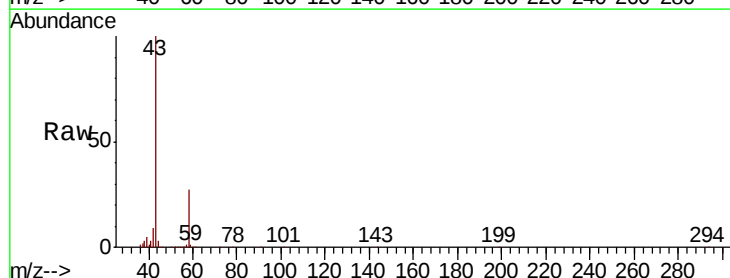
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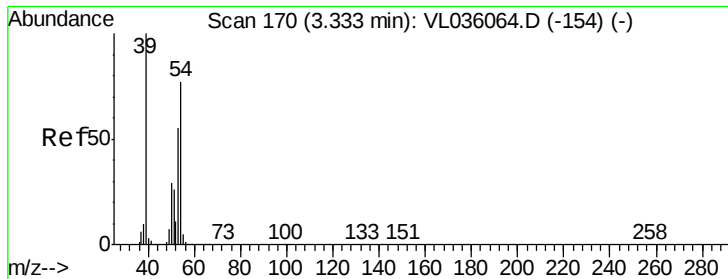
Tgt Ion: 43 Resp: 4703237

Ion Ratio Lower Upper

43 100

58 24.3 20.9 31.3

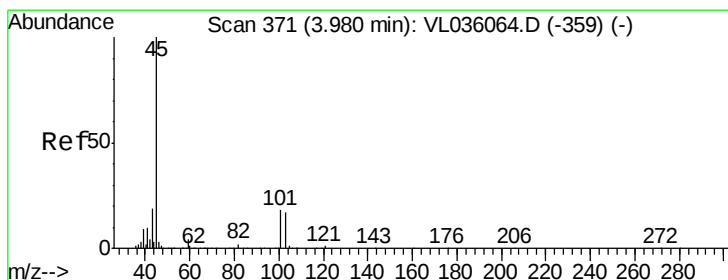
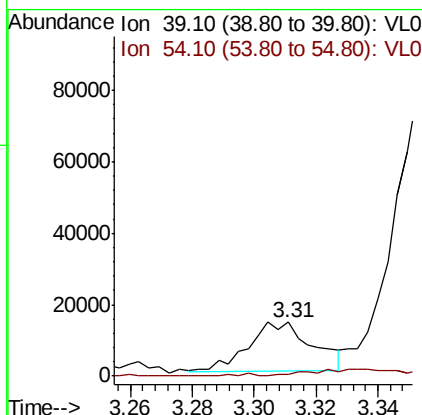
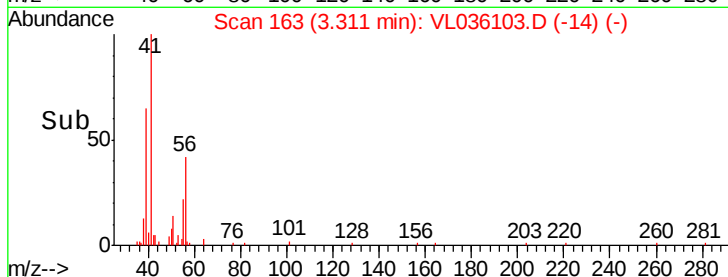
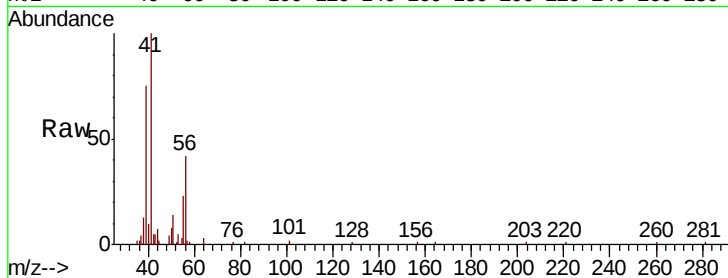




#16
 1,3-Butadiene
 Concen: 0.273 ppbv
 RT: 3.31 min Scan# 163
 Delta R.T. -0.02 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

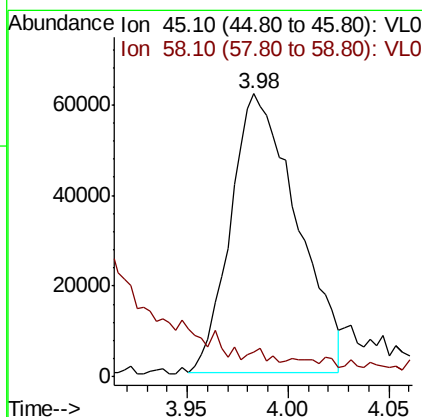
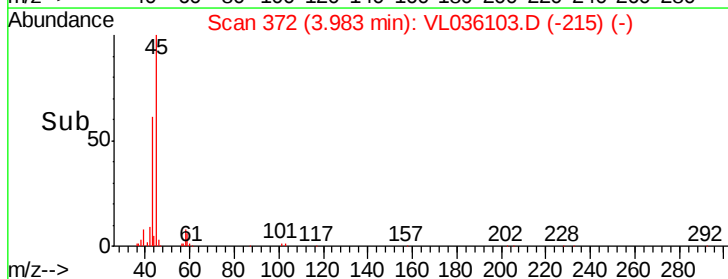
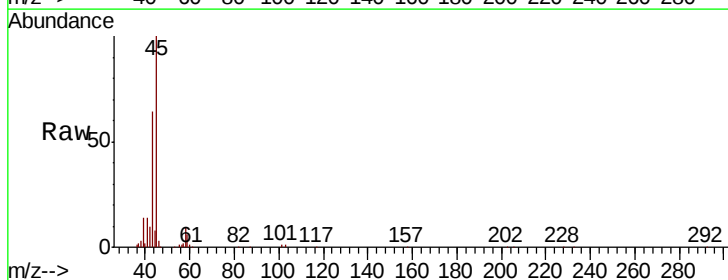
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 MSVOA_L
 ClientSampleID :
 IA-1DL

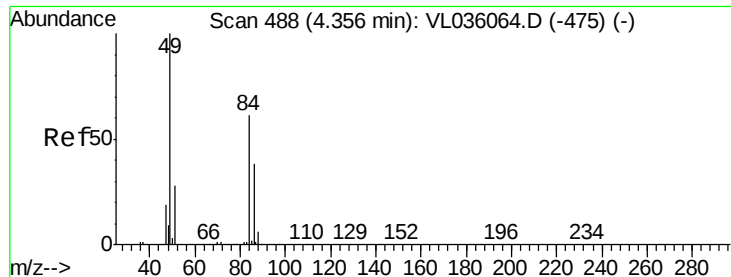
Tot Ion: 39 Resp: 19762
 Ion Ratio Lower Upper
 39 100
 54 30.3 62.1 93.1#



#19
 Isopropyl Alcohol
 Concen: 1.604 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

Tgt Ion: 45 Resp: 141109
 Ion Ratio Lower Upper
 45 100
 58 815.9 0.0 0.0#





#20

Methylene Chloride

Concen: 0.344 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

Tot Ion: 84 Resp: 20264

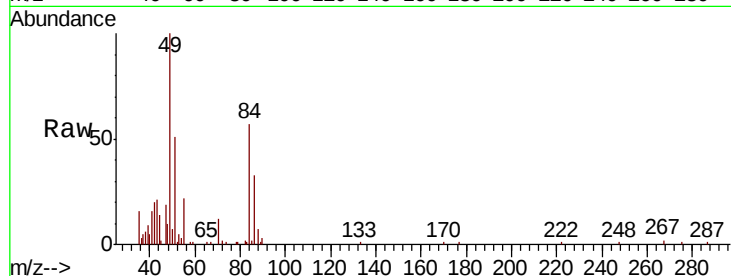
Ion Ratio Lower Upper

84 100

49 171.5 133.0 199.4

51 80.2 38.9 58.3#

86 58.1 48.8 73.2

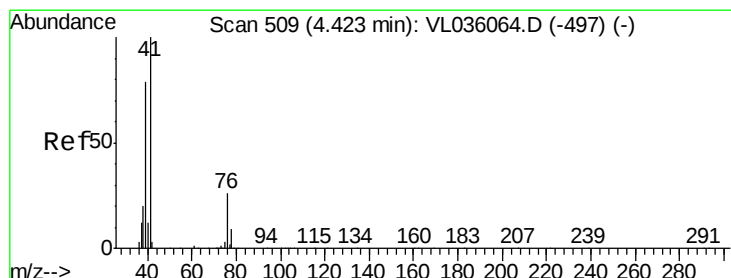
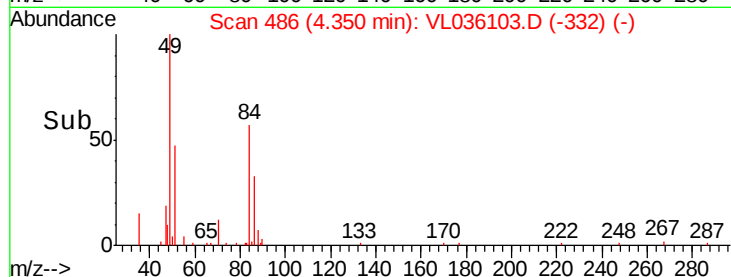
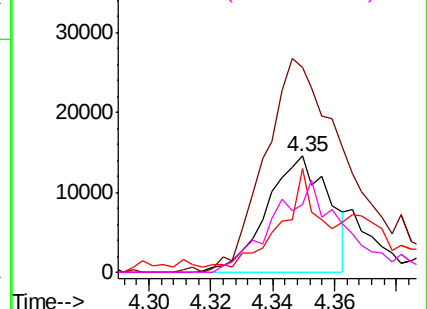


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#21

Allyl Chloride

Concen: 0.270 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.05 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

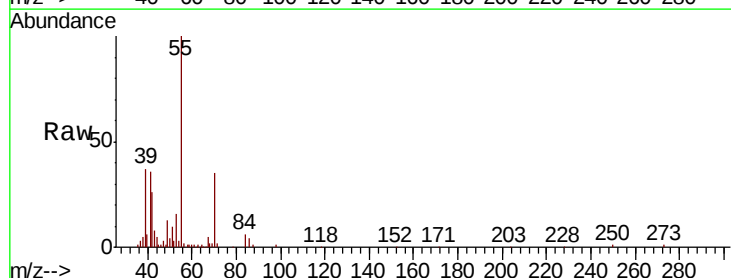
Tgt Ion: 41 Resp: 25812

Ion Ratio Lower Upper

41 100

76 0.0 21.0 31.4#

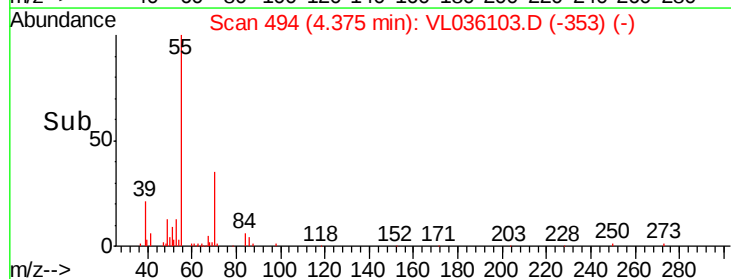
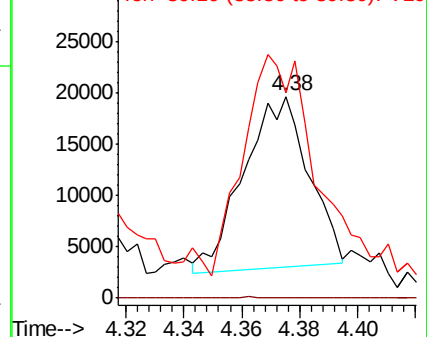
39 166.8 66.0 99.0#

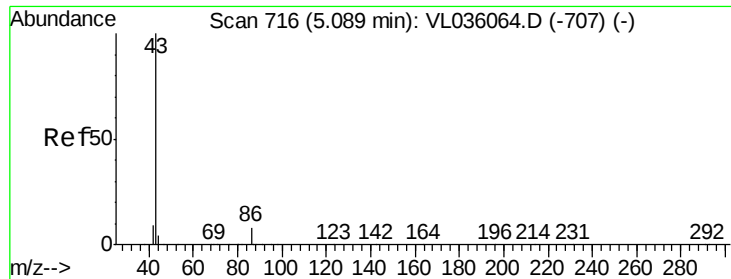


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.430 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.03 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

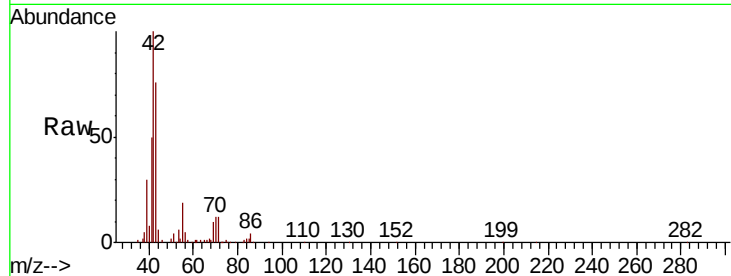
ClientSampleID :

IA-1DL

Tot Ion: 43 Resp: 82444

Ion Ratio Lower Upper

43	100		
86	5.7	5.0	7.4
42	132.1	7.8	11.6#
44	3.7	3.2	4.8

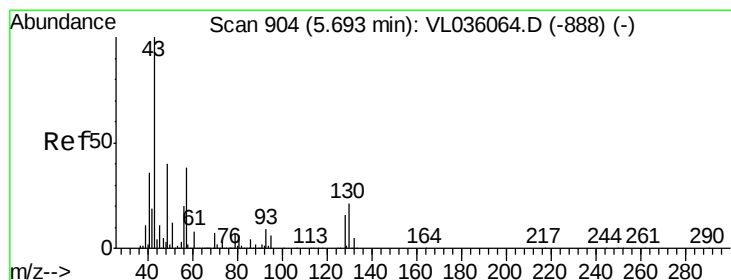
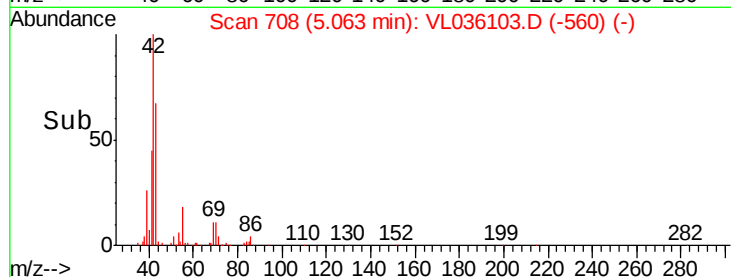
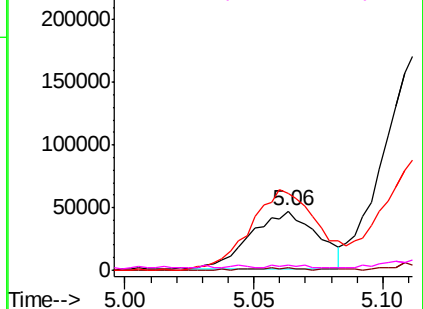


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 2.171 ppbv

RT: 5.68 min Scan# 901

Delta R.T. -0.01 min

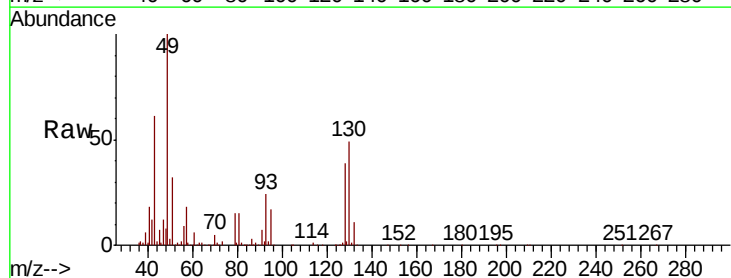
Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Tgt Ion: 43 Resp: 624107

Ion Ratio Lower Upper

43	100		
45	12.0	8.2	12.4
61	10.0	7.4	11.2
70	7.3	5.4	8.0

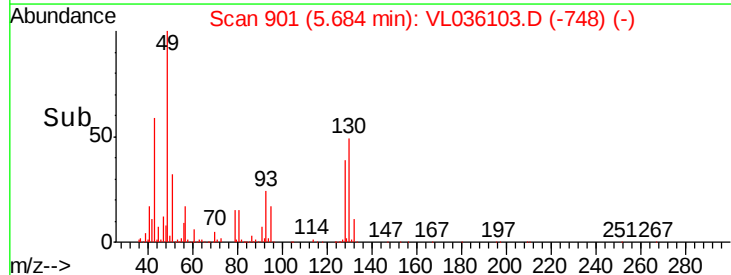
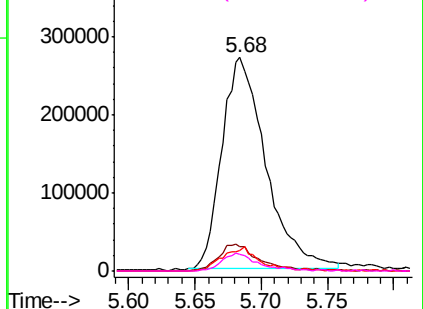


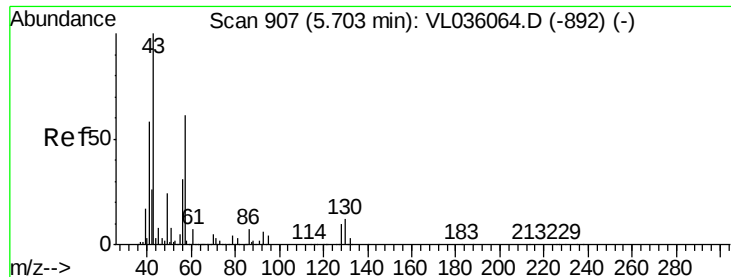
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0

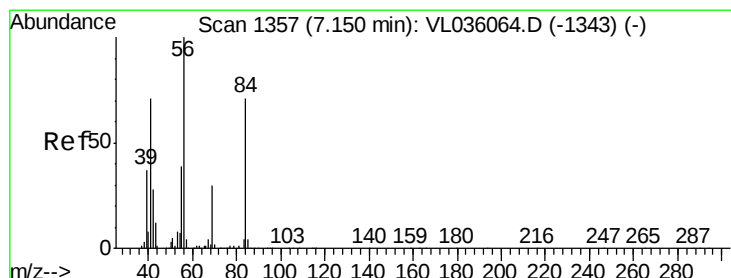
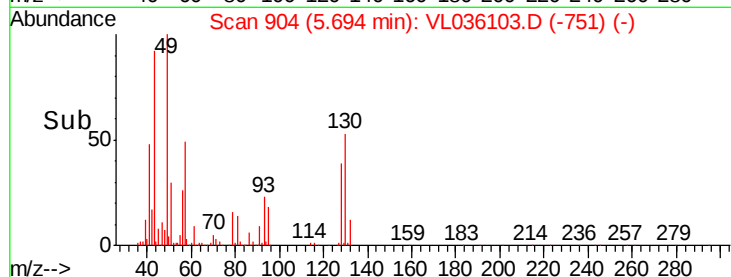
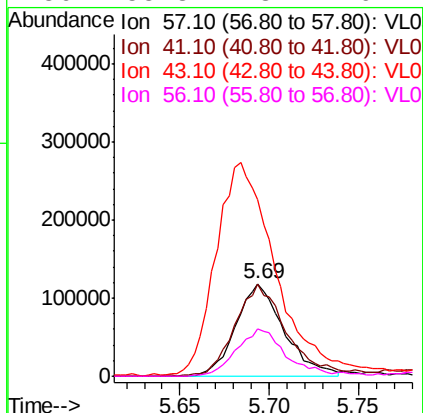
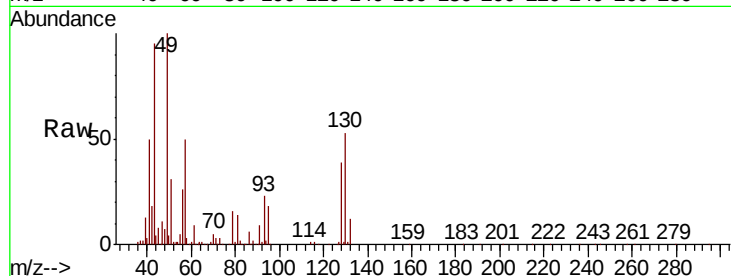




#26
Hexane
Concen: 1.692 ppbv
RT: 5.69 min Scan# 904
Delta R.T. -0.01 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

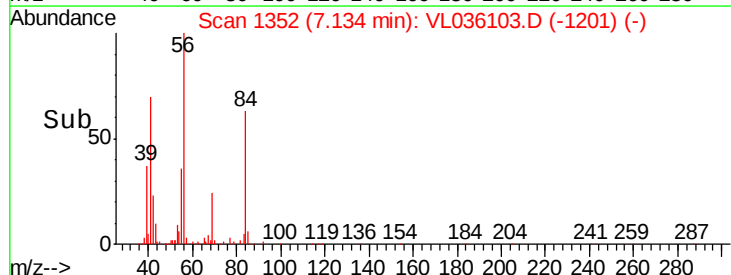
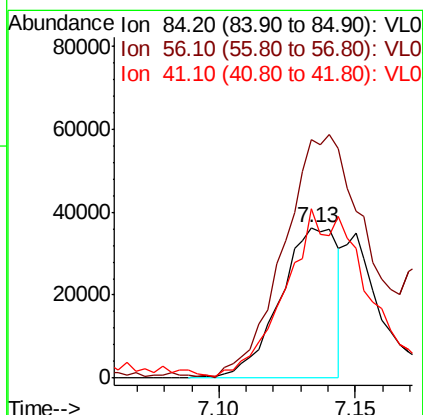
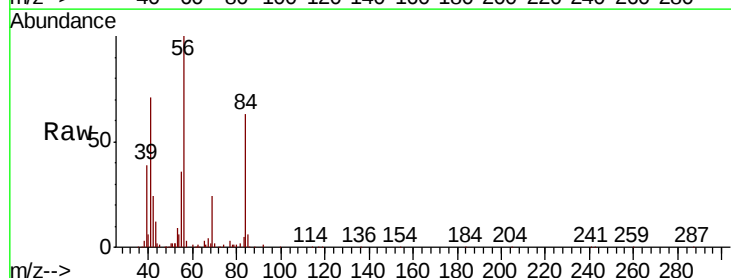
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

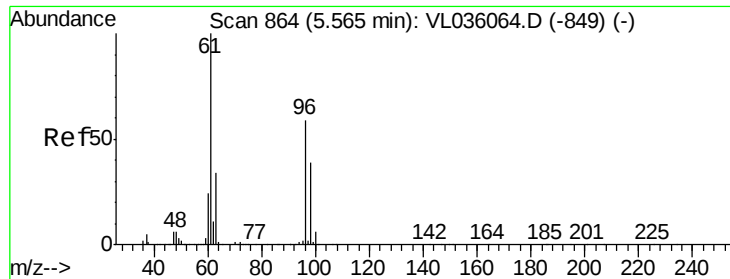
Tot Ion:	57	Resp:	218971
Ion	Ratio	Lower	Upper
57	100		
41	108.9	82.9	124.3
43	304.7	199.9	299.9#
56	55.3	43.1	64.7



#30
Cyclohexane
Concen: 0.556 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. -0.02 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

Tgt Ion:	84	Resp:	52845
Ion	Ratio	Lower	Upper
84	100		
56	242.5	128.0	192.0#
41	155.1	81.3	121.9#





#31

cis-1,2-Dichloroethene

Concen: 0.488 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.12 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleID :

IA-1DL

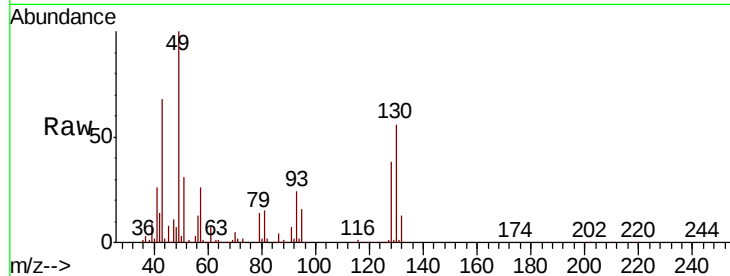
Tot Ion: 61 Resp: 57438

Ion Ratio Lower Upper

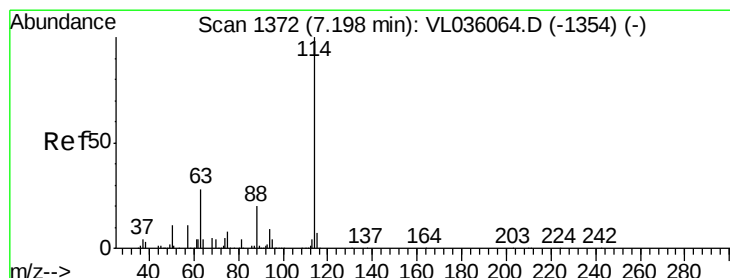
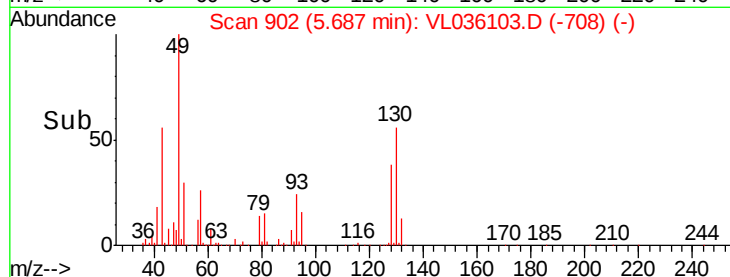
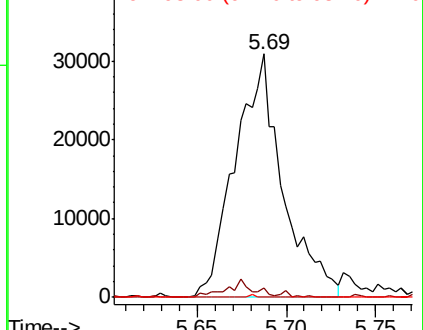
61 100

96 3.6 47.3 70.9#

98 0.0 31.4 47.0#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

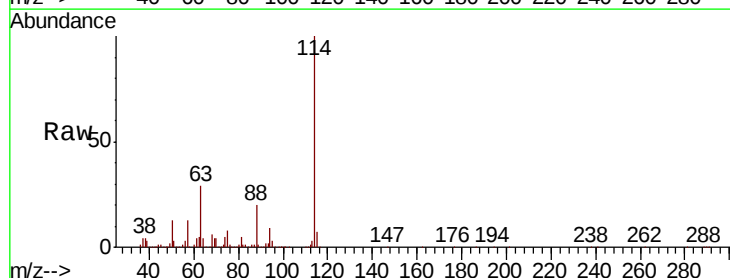
Tgt Ion: 114 Resp: 2667622

Ion Ratio Lower Upper

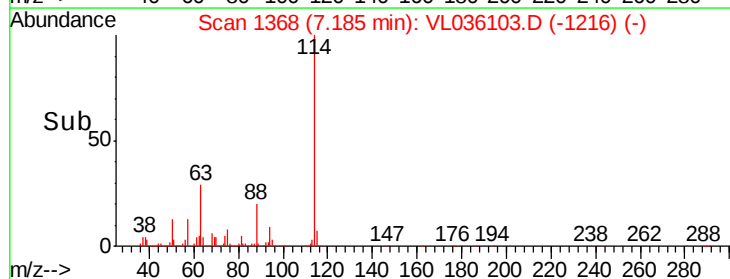
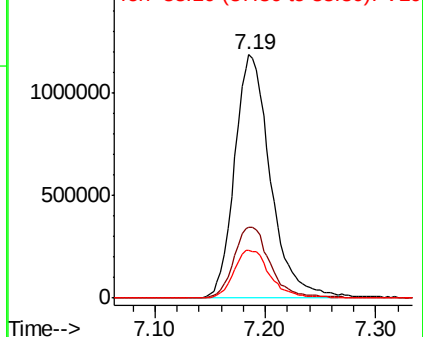
114 100

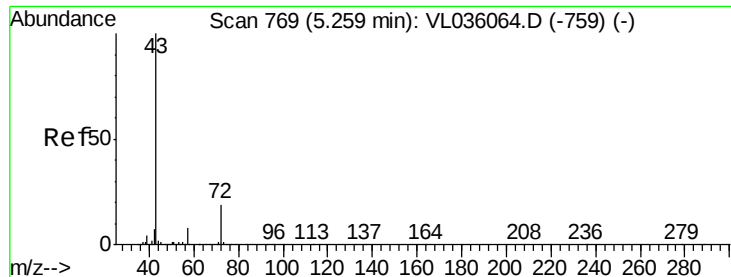
63 29.6 23.6 35.4

88 20.3 15.8 23.6



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

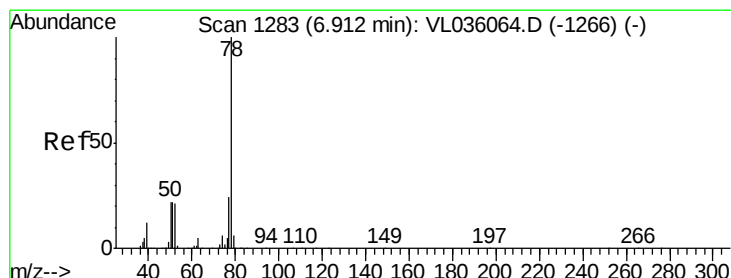
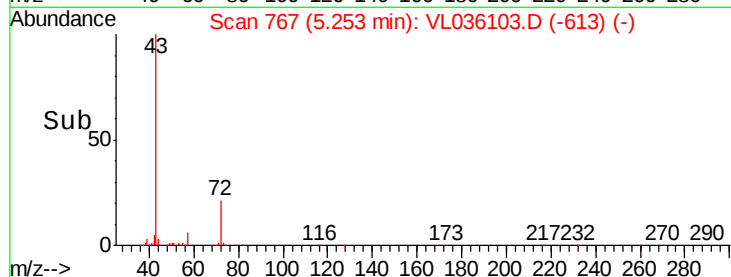
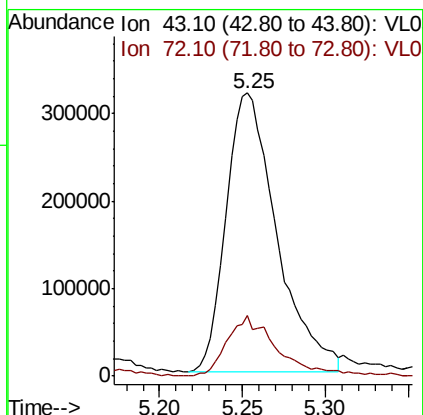
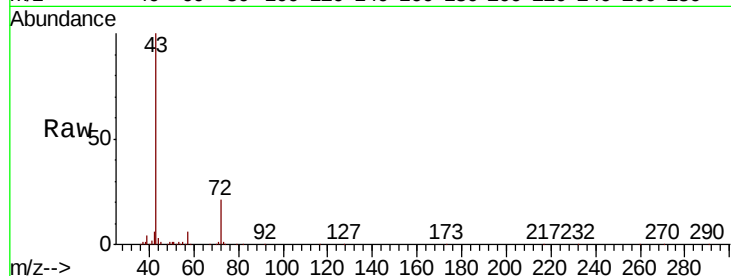




#34
2-Butanone
Concen: 3.852 ppbv
RT: 5.25 min Scan# 767
Delta R.T. -0.01 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

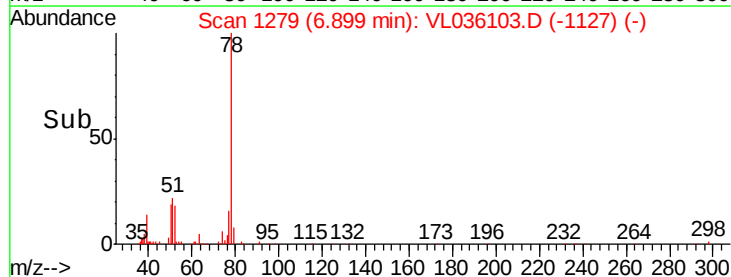
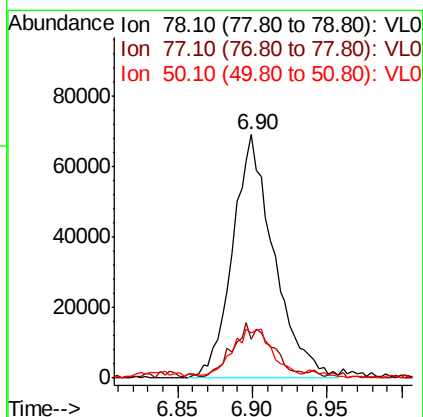
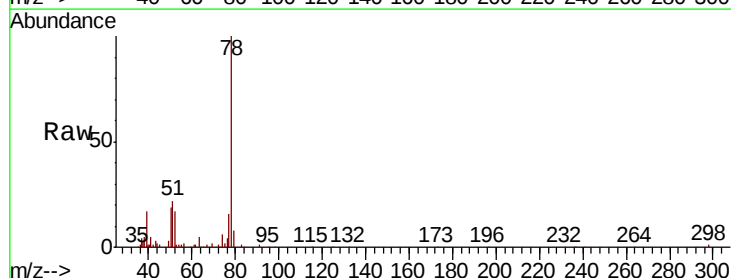
Instrument :
MSVOA_L
ClientSampleId :
IA-1DL

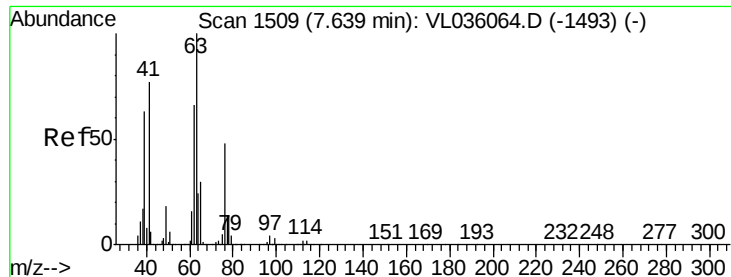
Tot Ion: 43 Resp: 681536
Ion Ratio Lower Upper
43 100
72 21.6 16.5 24.7



#36
Benzene
Concen: 0.586 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. -0.01 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

Tgt Ion: 78 Resp: 132524
Ion Ratio Lower Upper
78 100
77 14.6 19.4 29.2#
50 17.8 17.8 26.8#





#39

1,2-Dichloropropane

Concen: 8.670 ppbv

RT: 7.19 min Scan# 1368

Delta R.T. -0.45 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

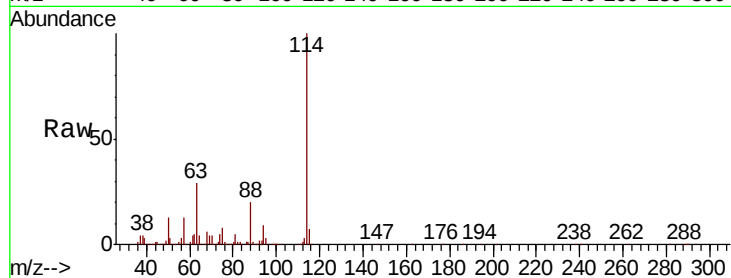
Tot Ion: 63 Resp: 774039

Ion Ratio Lower Upper

63 100

41 0.0 61.9 92.9#

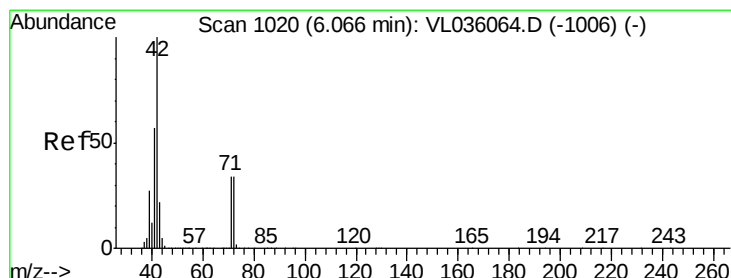
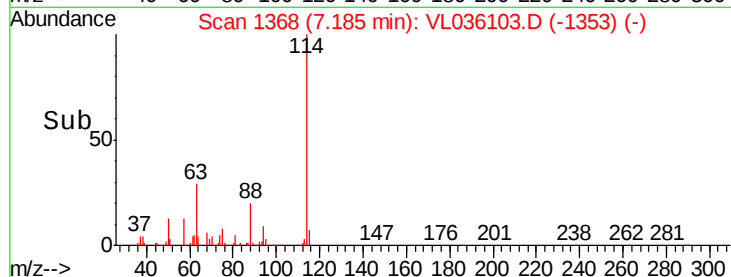
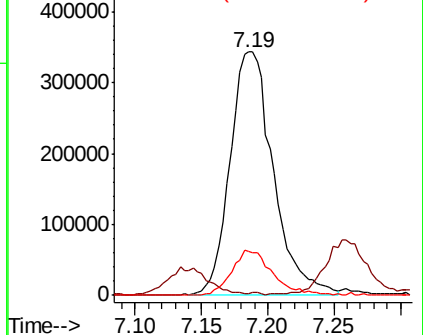
62 18.2 52.5 78.7#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.513 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

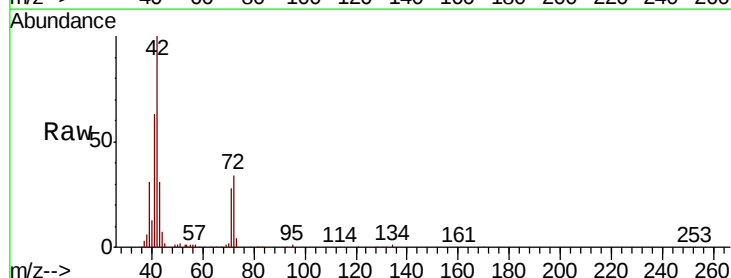
Tgt Ion: 42 Resp: 159098

Ion Ratio Lower Upper

42 100

72 39.4 28.3 42.5

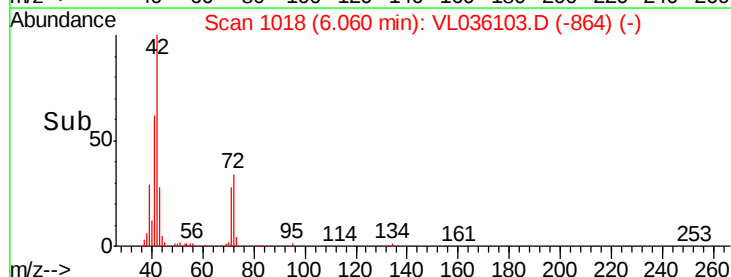
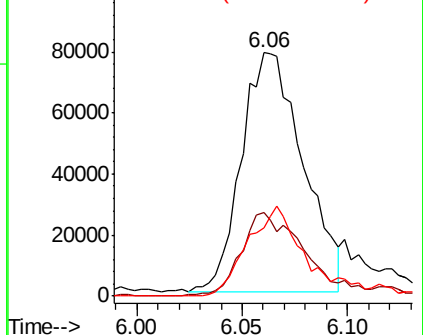
71 38.3 27.3 40.9

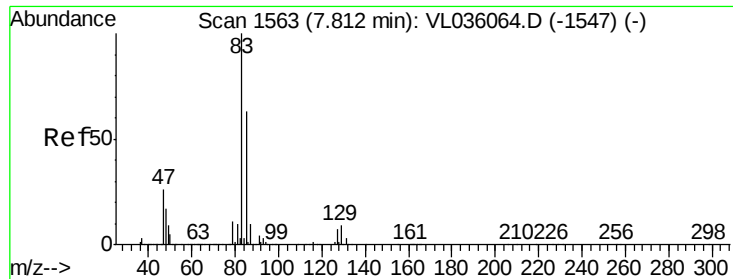


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.061 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

IA-1DL

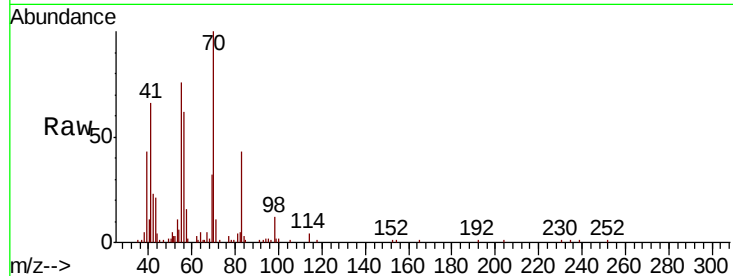
Tot Ion: 83 Resp: 10646

Ion Ratio Lower Upper

83 100

85 3.7 50.2 75.2#

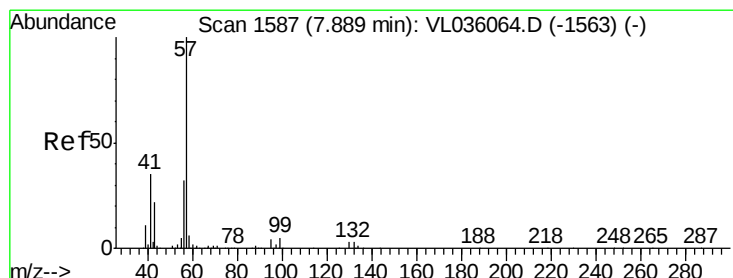
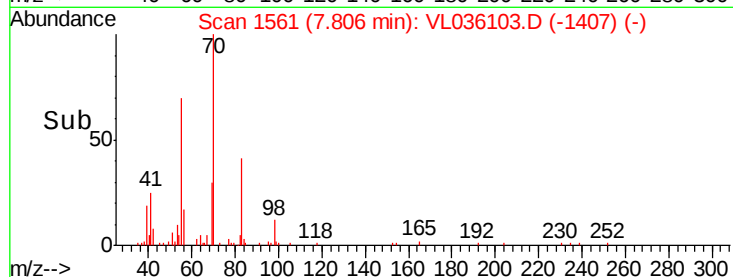
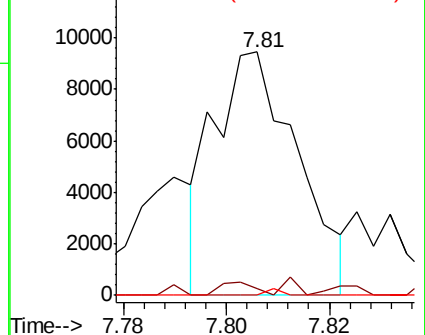
127 0.0 5.5 8.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 1.807 ppbv

RT: 7.88 min Scan# 1584

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

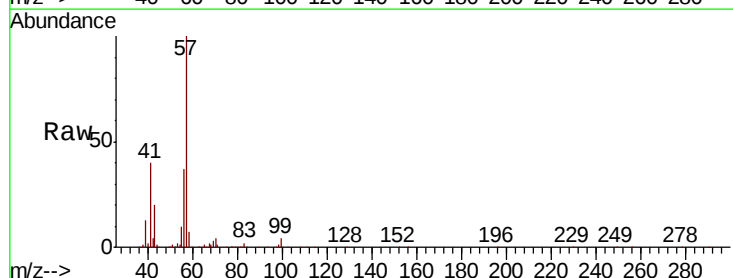
Tgt Ion: 57 Resp: 739643

Ion Ratio Lower Upper

57 100

41 45.4 28.9 43.3#

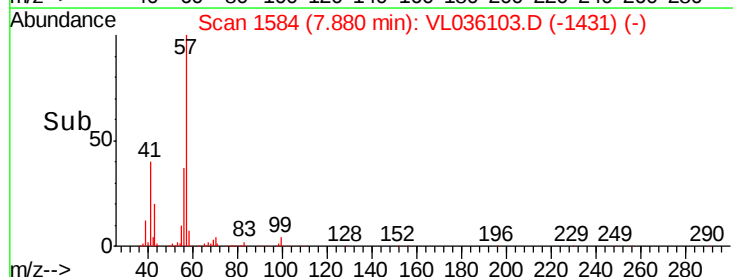
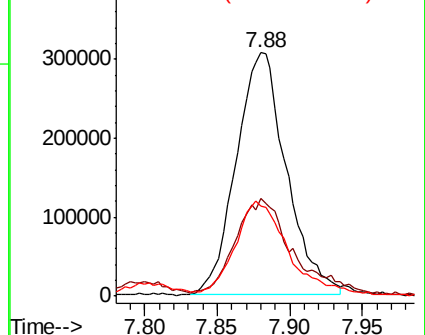
56 41.6 25.3 37.9#

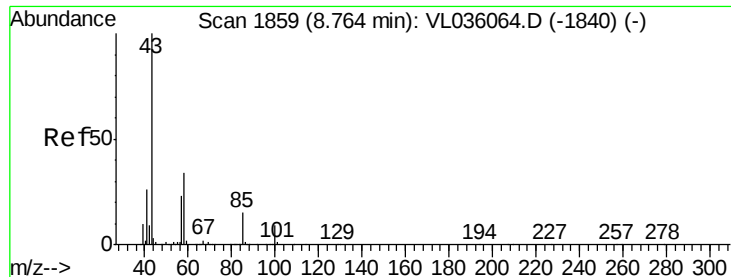


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

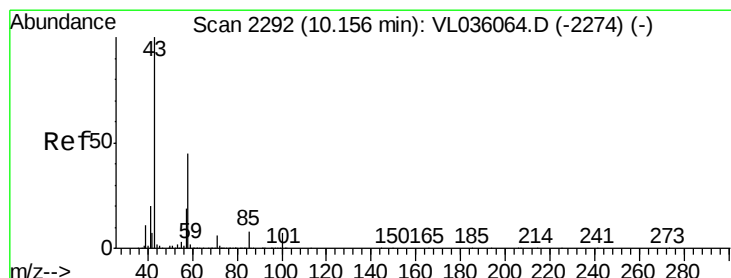
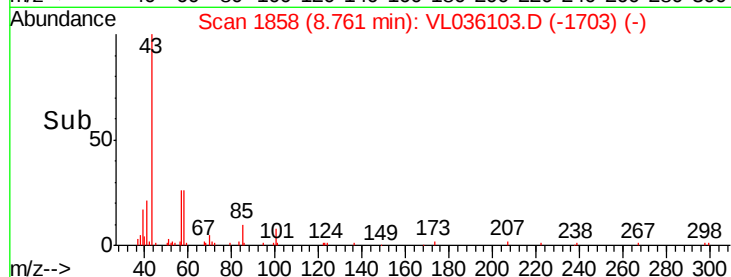
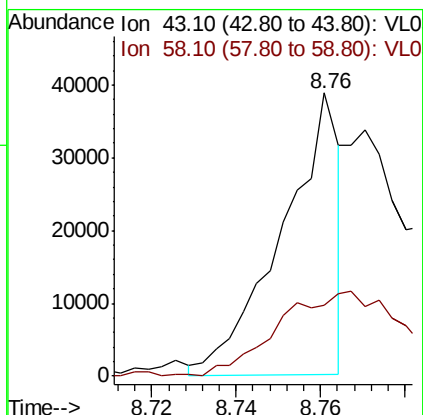
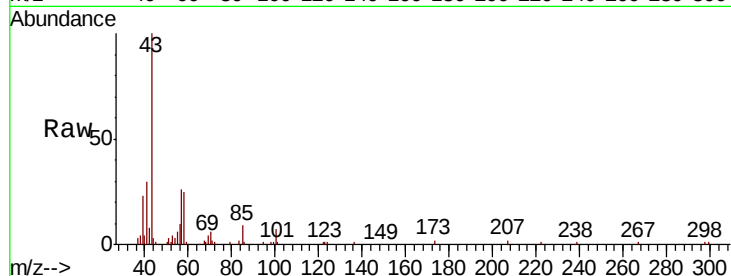




#50
4-Methyl-2-Pentanone
Concen: 0.139 ppbv
RT: 8.76 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

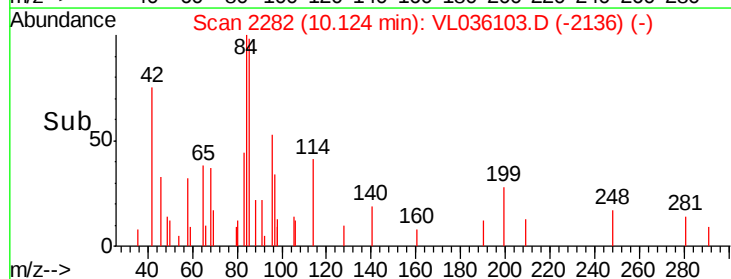
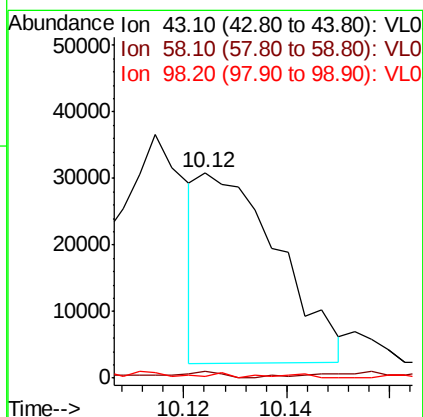
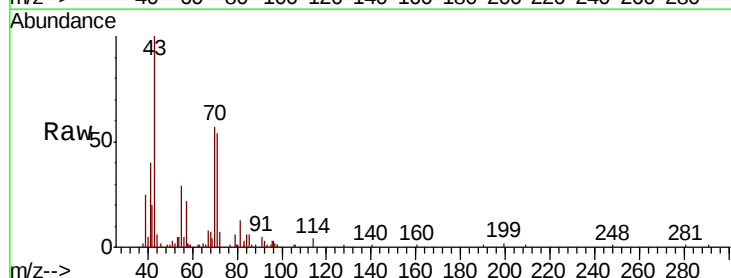
Instrument :
MSVOA_L
ClientSampleID :
IA-1DL

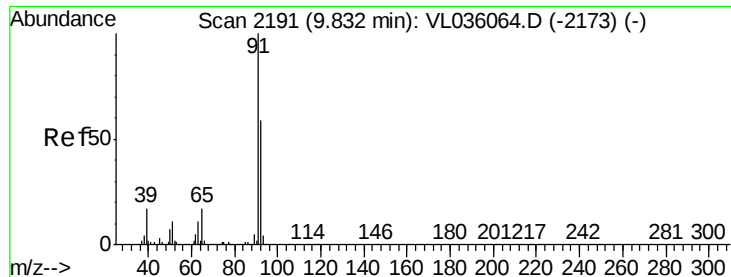
Tot Ion: 43 Resp: 36594
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.2#



#51
2-Hexanone
Concen: 0.148 ppbv
RT: 10.12 min Scan# 2282
Delta R.T. -0.03 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

Tgt Ion: 43 Resp: 30541
Ion Ratio Lower Upper
43 100
58 4.6 38.7 58.1#
98 1.1 0.1 0.1#





#53

Toluene

Concen: 15.794 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

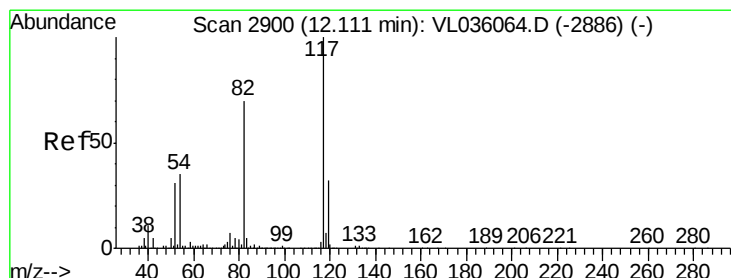
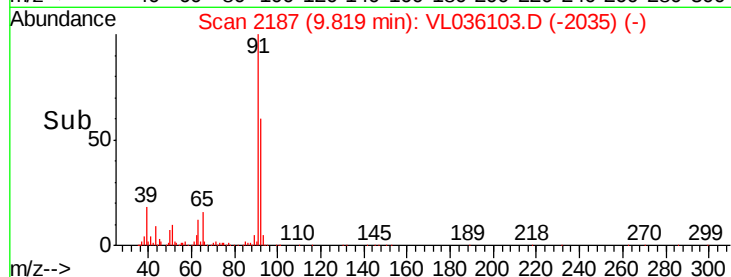
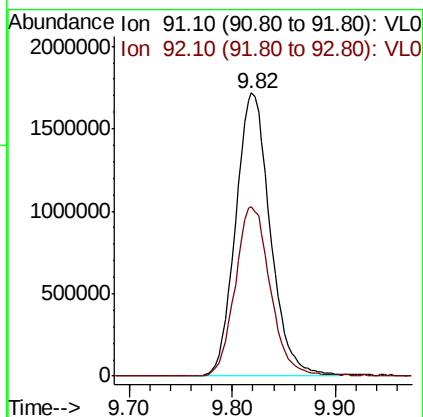
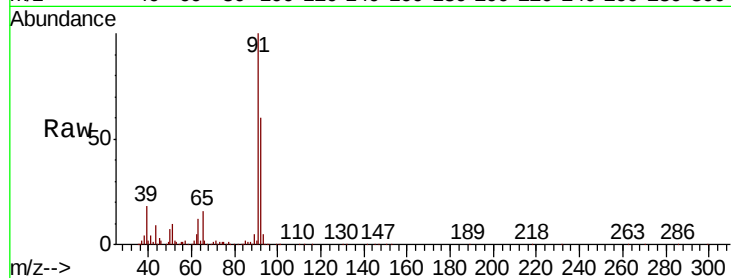
IA-1DL

Tot Ion: 91 Resp: 4009499

Ion Ratio Lower Upper

91 100

92 61.0 48.2 72.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

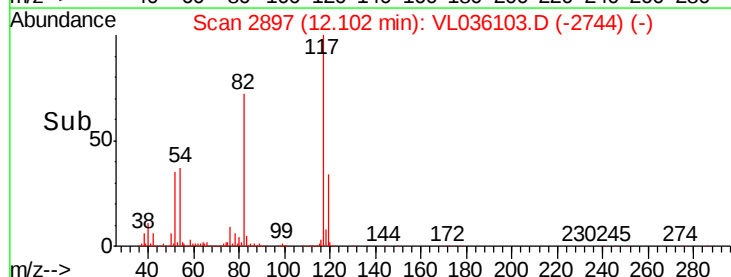
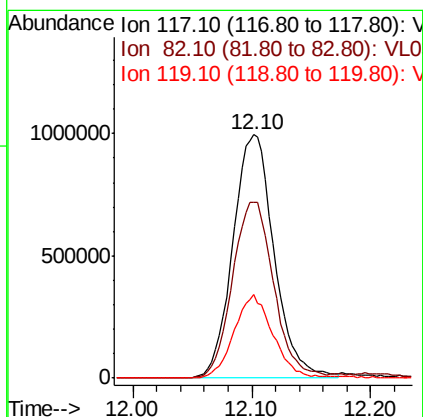
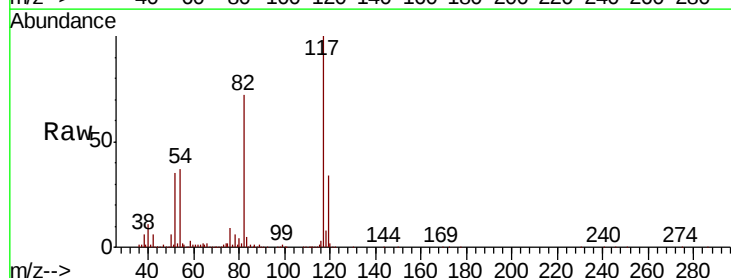
Tgt Ion: 117 Resp: 2378827

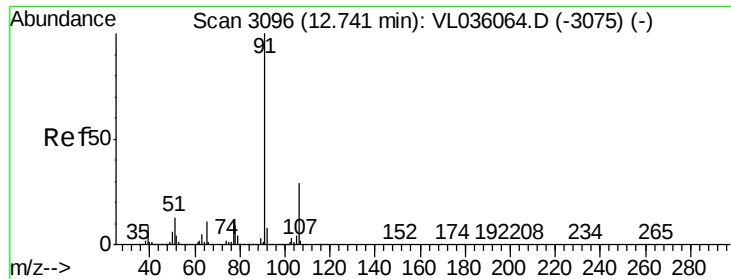
Ion Ratio Lower Upper

117 100

82 73.6 0.0 0.0#

119 33.3 0.0 0.0#





#58

Ethyl Benzene

Concen: 2.236 ppbv

RT: 12.72 min Scan# 3090

Delta R.T. -0.02 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

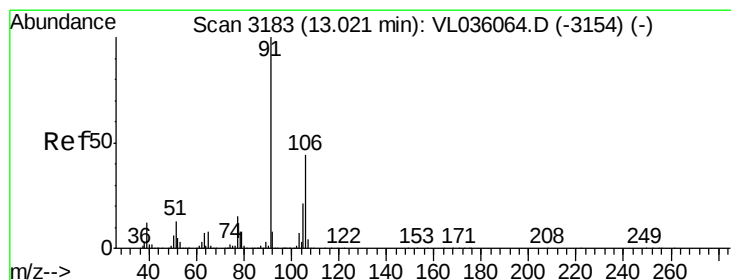
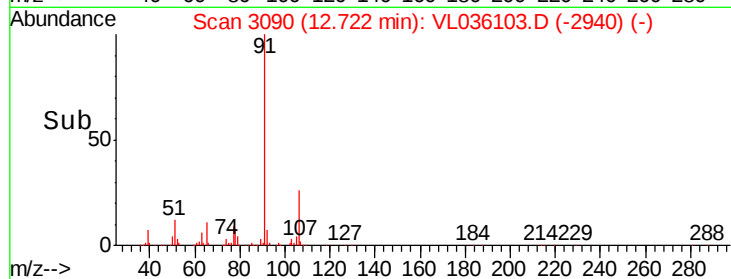
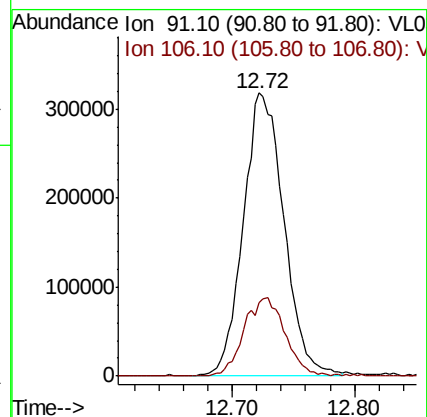
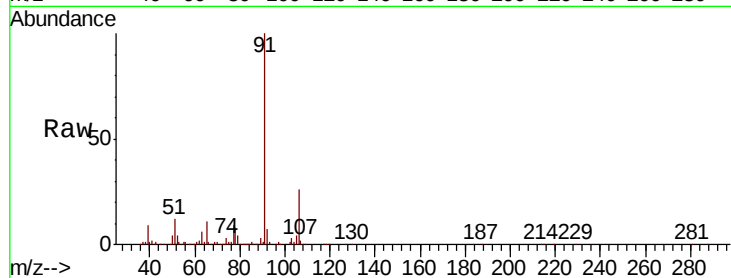
IA-1DL

Tot Ion: 91 Resp: 728832

Ion Ratio Lower Upper

91 100

106 26.0 23.0 34.4



#59

m/p-Xylene

Concen: 8.021 ppbv

RT: 12.98 min Scan# 3171

Delta R.T. -0.04 min

Lab File: VL036103.D

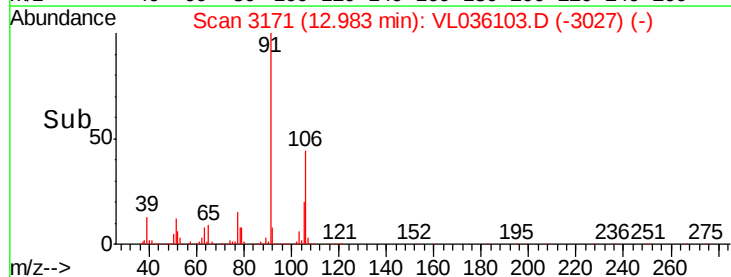
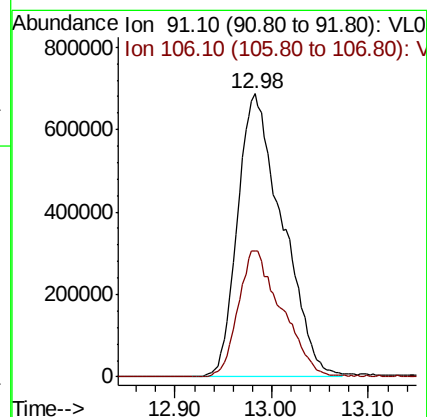
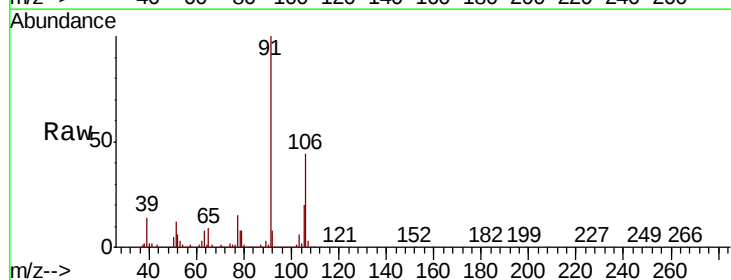
Acq: 8 Dec 2020 20:28

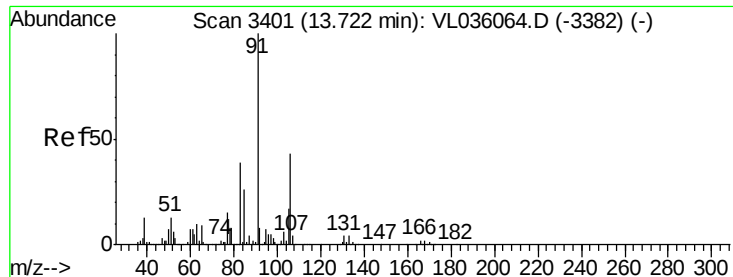
Tgt Ion: 91 Resp: 2202377

Ion Ratio Lower Upper

91 100

106 43.5 33.6 50.4

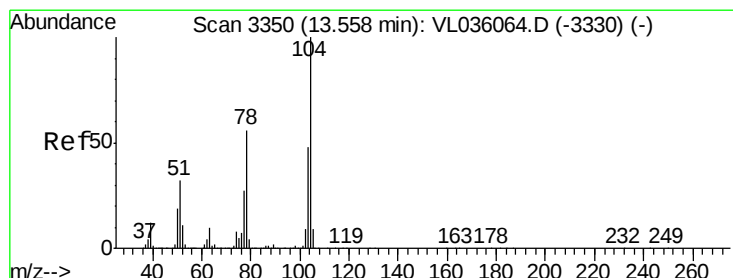
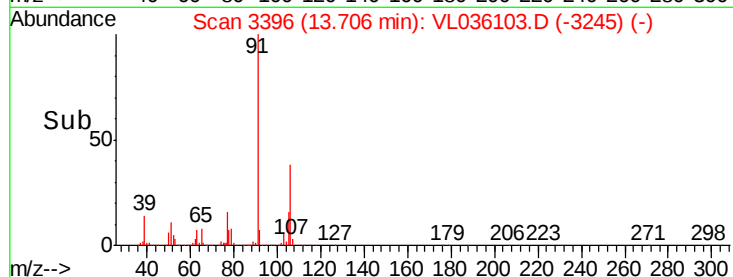
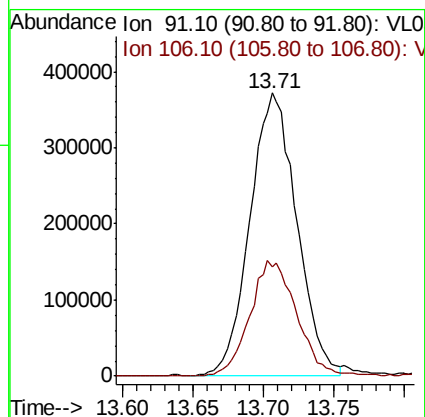
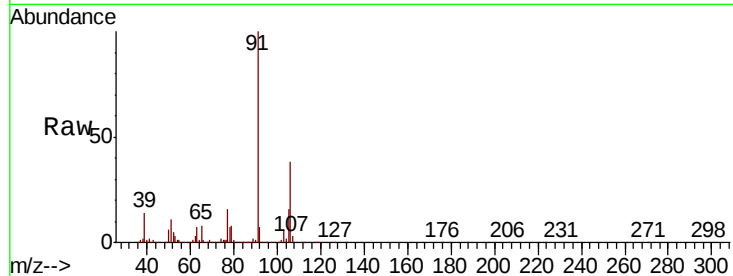




#60
o-Xylene
Concen: 3.322 ppbv
RT: 13.71 min Scan# 3396
Delta R.T. -0.02 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

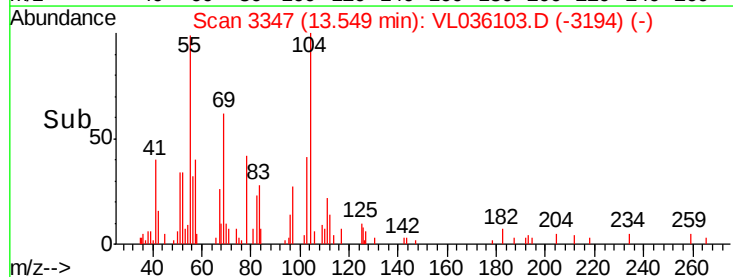
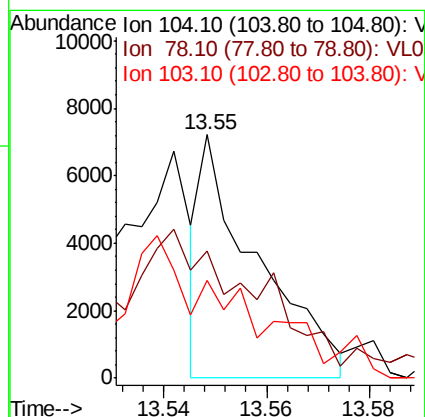
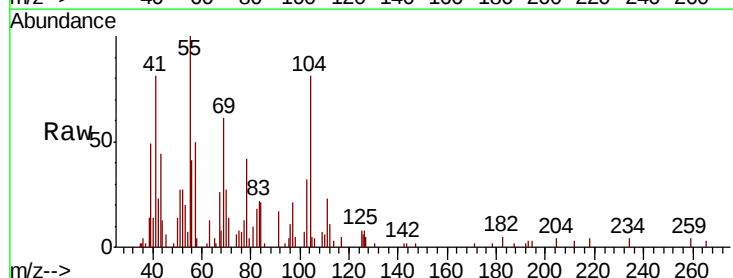
Instrument :
MSVOA_L
ClientSampled :
IA-1DL

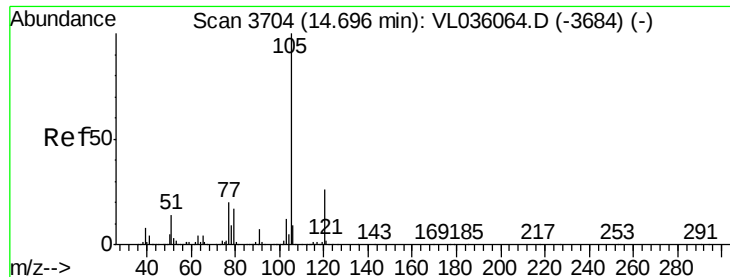
Tot Ion: 91 Resp: 859478
Ion Ratio Lower Upper
91 100
106 40.9 21.6 64.6



#61
Styrene
Concen: 0.033 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL036103.D
Acq: 8 Dec 2020 20:28

Tgt Ion: 104 Resp: 5500
Ion Ratio Lower Upper
104 100
78 0.0 45.8 68.8#
103 0.0 38.6 57.8#





#62

Isopropylbenzene

Concen: 0.104 ppbv

RT: 14.69 min Scan# 3701

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampleId :

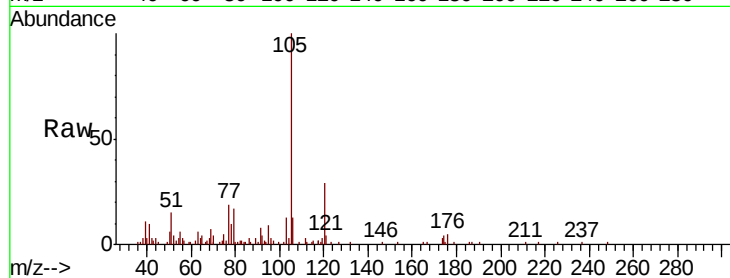
IA-1DL

Tot Ion:105 Resp: 39775

Ion Ratio Lower Upper

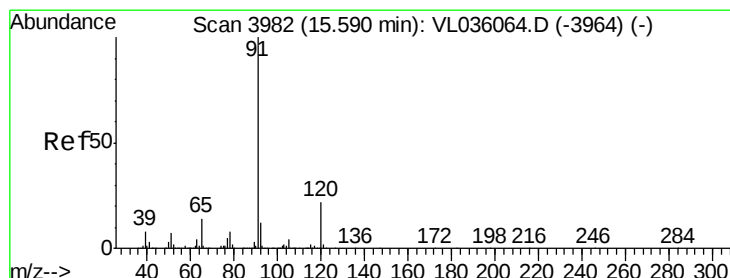
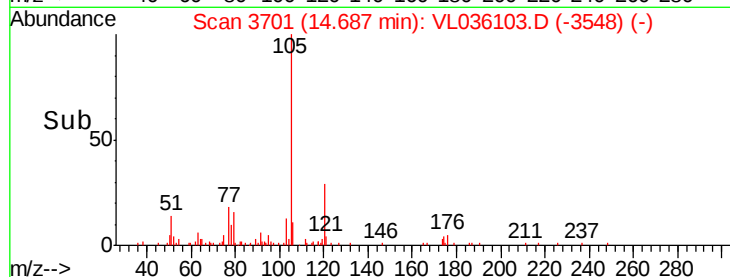
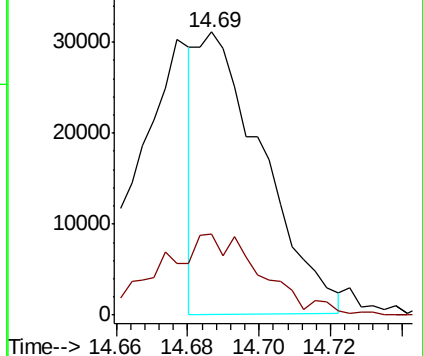
105 100

120 46.2 20.1 30.1#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.338 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.01 min

Lab File: VL036103.D

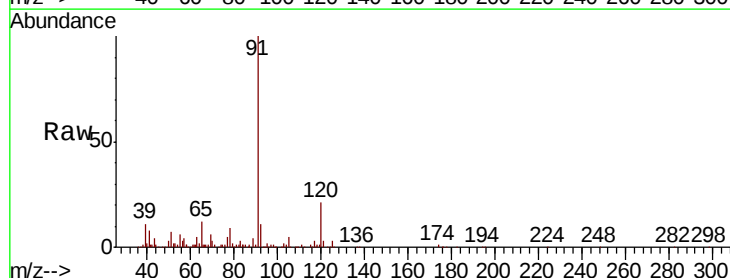
Acq: 8 Dec 2020 20:28

Tgt Ion:120 Resp: 31209

Ion Ratio Lower Upper

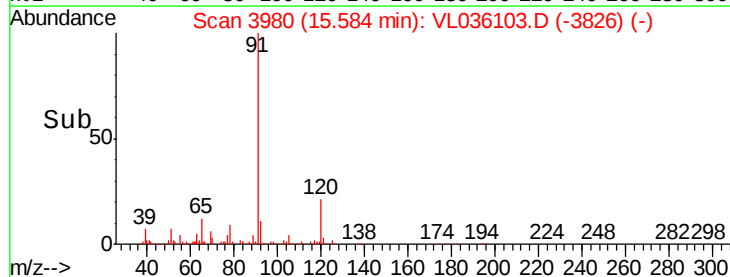
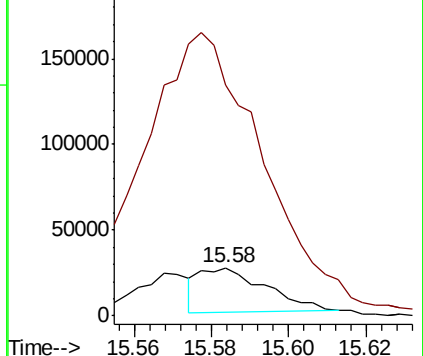
120 100

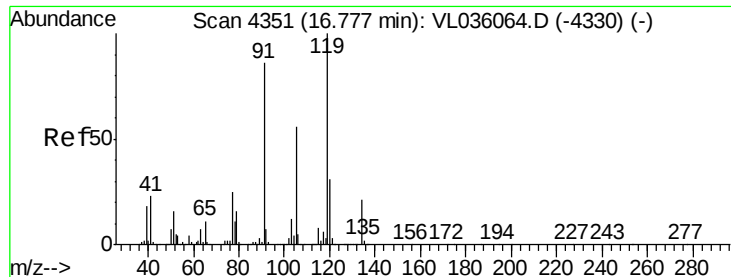
91 1197.2 388.9 583.3#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.111 ppbv

RT: 16.77 min Scan# 4348

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

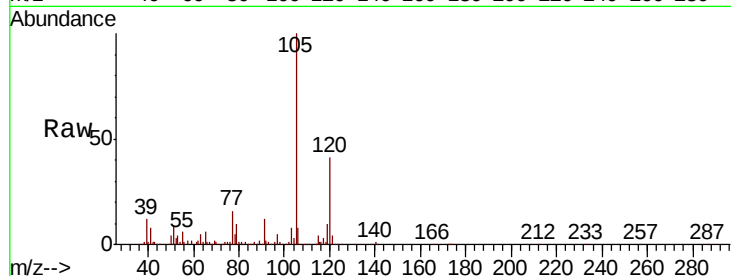
Tot Ion: 119 Resp: 34770

Ion Ratio Lower Upper

119 100

91 0.0 70.2 105.2#

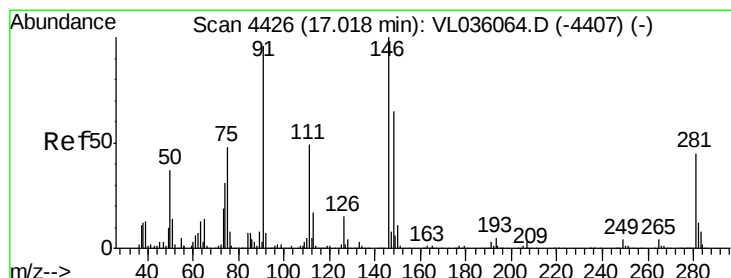
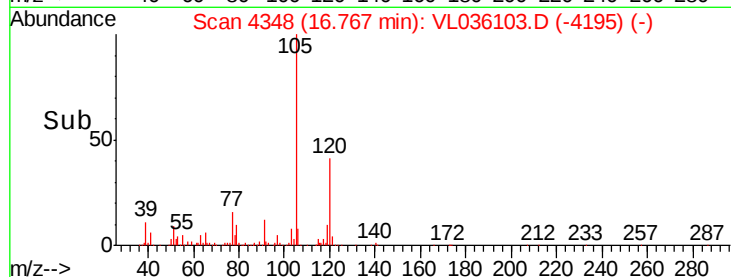
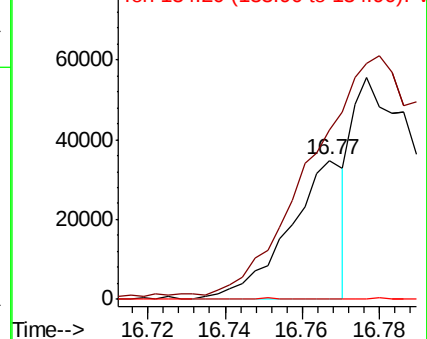
134 0.0 15.8 23.6#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.280 ppbv

RT: 17.23 min Scan# 4491

Delta R.T. 0.21 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

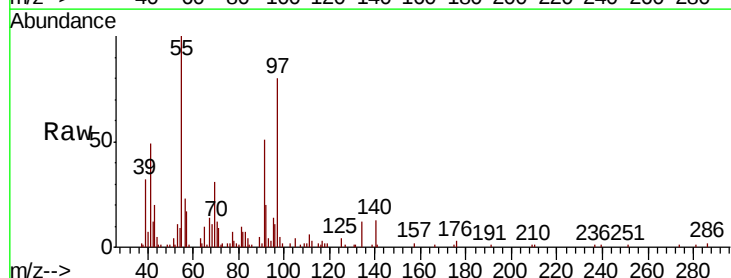
Tgt Ion: 91 Resp: 21913

Ion Ratio Lower Upper

91 100

126 1.6 13.5 20.3#

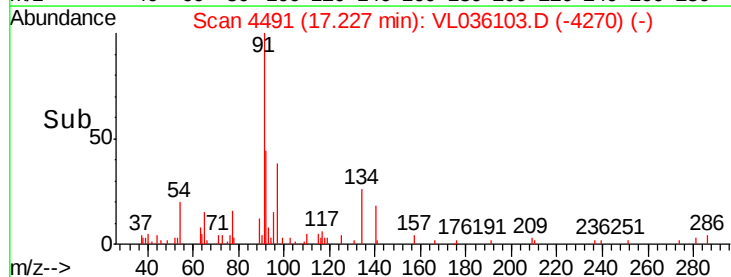
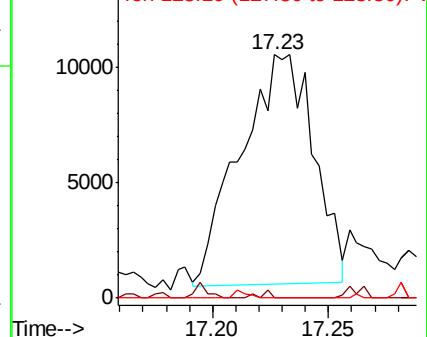
128 0.6 4.4 6.6#

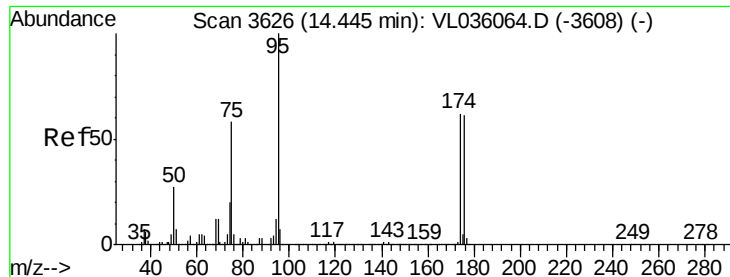


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.705 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

Instrument :

MSVOA_L

ClientSampled :

IA-1DL

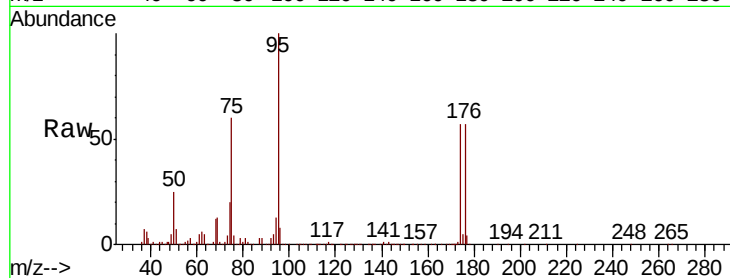
Tot Ion: 95 Resp: 2022137

Ion Ratio Lower Upper

95 100

174 58.7 50.7 76.1

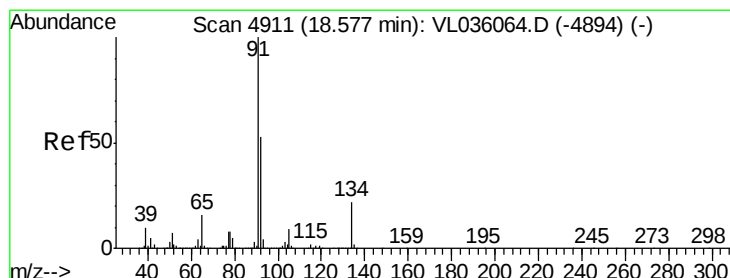
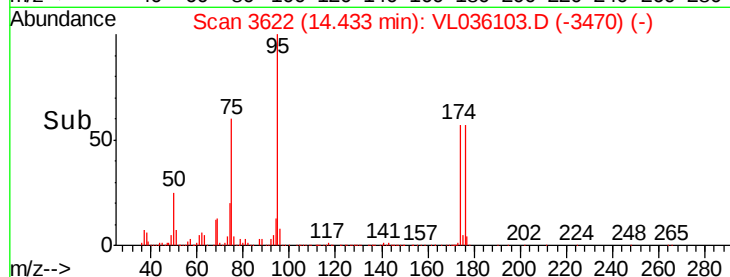
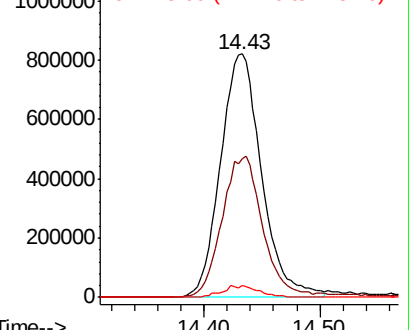
175 4.3 4.0 6.0



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



#70

n-Butylbenzene

Concen: 0.094 ppbv

RT: 18.56 min Scan# 4907

Delta R.T. -0.01 min

Lab File: VL036103.D

Acq: 8 Dec 2020 20:28

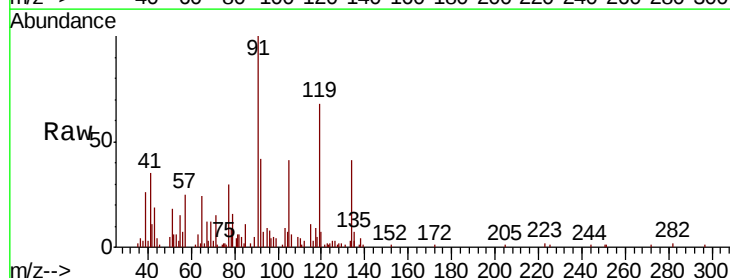
Tgt Ion: 91 Resp: 32436

Ion Ratio Lower Upper

91 100

92 92.5 43.3 64.9#

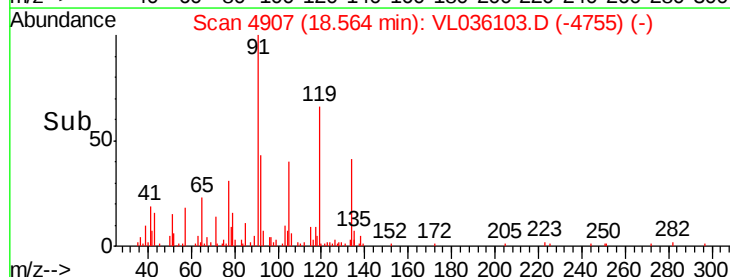
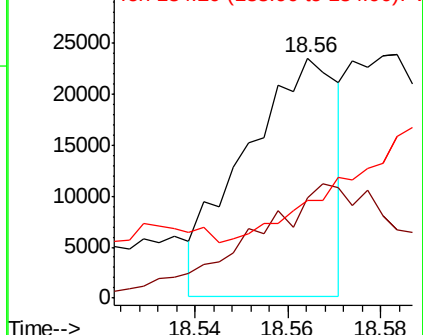
134 0.0 17.1 25.7#

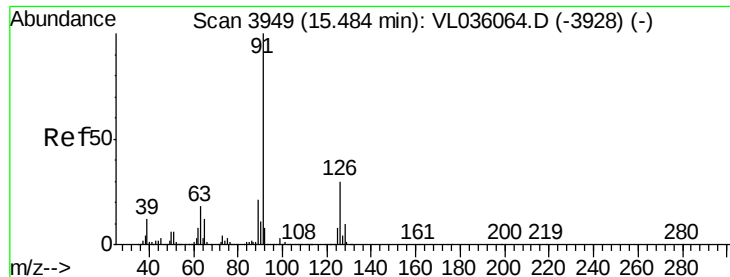


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

Ion 134.20 (133.90 to 134.90): V

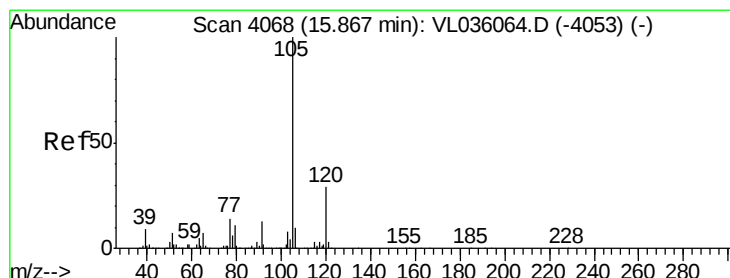
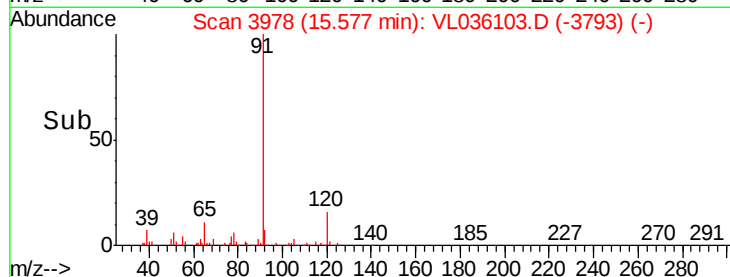
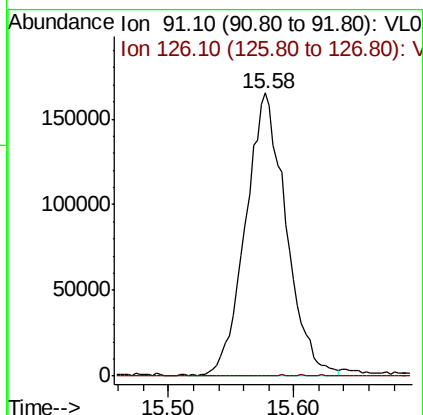
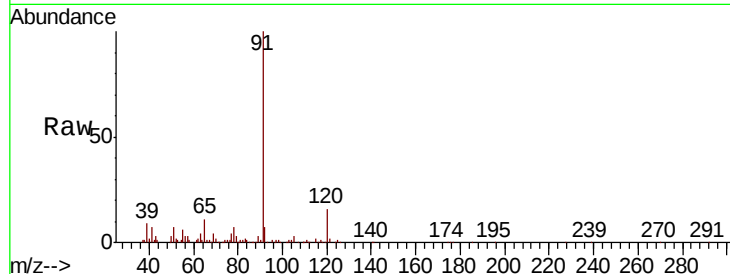




#71
 2-Chlorotoluene
 Concen: 1.271 ppbv
 RT: 15.58 min Scan# 3978
 Delta R.T. 0.09 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

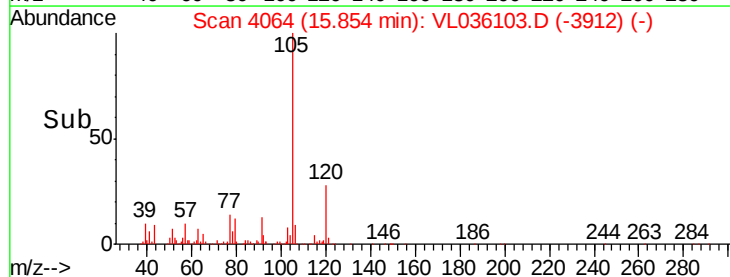
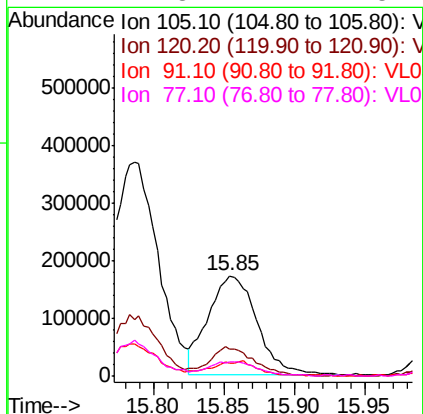
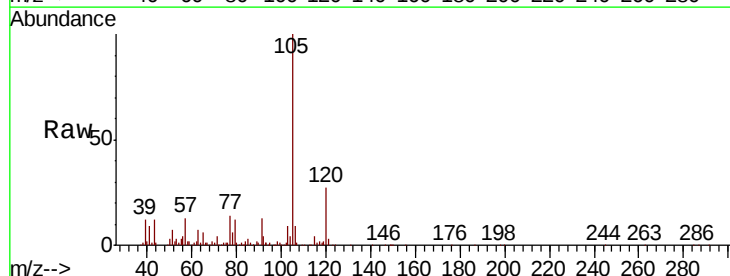
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

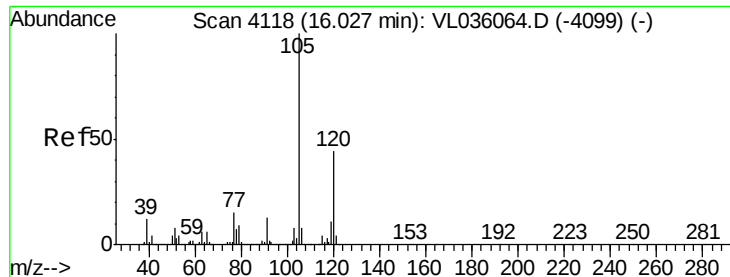
Tot Ion: 91 Resp: 368408
 Ion Ratio Lower Upper
 91 100
 126 0.4 11.6 46.4#



#72
 4-Ethyltoluene
 Concen: 1.483 ppbv
 RT: 15.85 min Scan# 4064
 Delta R.T. -0.01 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

Tgt Ion: 105 Resp: 415576
 Ion Ratio Lower Upper
 105 100
 120 25.7 23.6 35.4
 91 14.2 11.4 17.0
 77 14.8 12.1 18.1

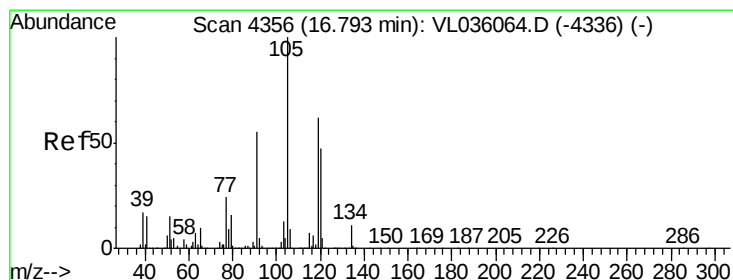
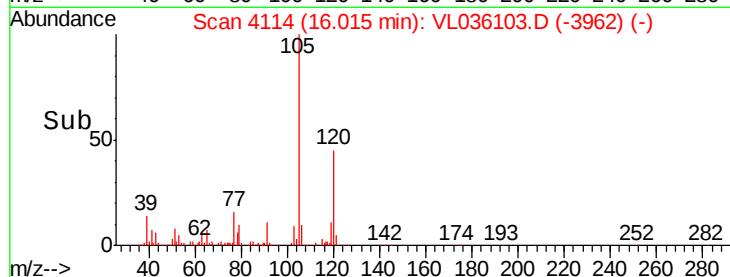
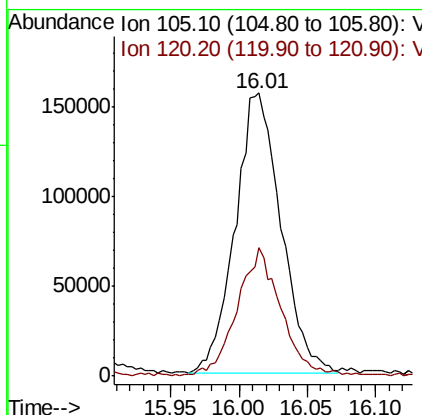
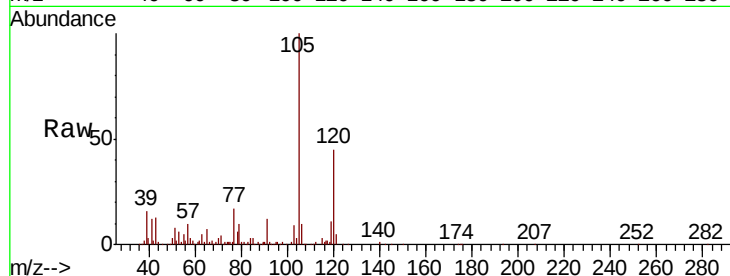




#73
 1,3,5-Trimethylbenzene
 Concen: 1.361 ppbv
 RT: 16.01 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1DL

Tot Ion:105 Resp: 364249
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.4 53.2



#74
 1,2,4-Trimethylbenzene
 Concen: 4.250 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.02 min
 Lab File: VL036103.D
 Acq: 8 Dec 2020 20:28

Tgt Ion:105 Resp: 1141712
 Ion Ratio Lower Upper
 105 100
 120 39.1 37.4 56.0
 91 12.3 45.6 68.4#
 77 15.6 19.4 29.2#

