

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036101.D
 Acq On : 8 Dec 2020 19:09
 Operator : SY/AP
 Sample : L4949-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

Quant Time: Dec 09 07:19:37 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	5.69	49	1184411	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	2656537	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	2423787	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.44	95	2199885	11.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	35859	0.260 ppbv	# 84
3) Chlorodifluoromethane	2.99	51	49510	0.366 ppbv	# 91
4) Chloromethane	3.14	50	32300	0.487 ppbv	95
9) Propene	3.20	41	617944	9.128 ppbv	93
10) Heptane	8.14	43	2521968	14.587 ppbv	100
11) Trichlorofluoromethane	3.95	101	35003	0.216 ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.50	101	3886	0.035 ppbv	# 4
13) Ethanol	3.66	45	4240195	454.364 ppbv	84
15) Acetone	3.85	43	23010618	161.650 ppbv	# 77
16) 1,3-Butadiene	3.31	39	164876	2.300 ppbv	# 43
17) tert-Butyl alcohol	4.32	59	8851	0.064 ppbv	# 71
19) Isopropyl Alcohol	4.02	45	1498850	17.227 ppbv	# 100
20) Methylene Chloride	4.36	84	108747	1.864 ppbv	97
21) Allyl Chloride	4.38	41	347010	3.666 ppbv	# 48
23) Vinyl Acetate	5.12	43	3372285	17.794 ppbv	# 35
25) Ethyl Acetate	5.69	43	5841080	20.540 ppbv	# 96
26) Hexane	5.70	57	2043421	15.966 ppbv	85
28) Methyl tert-Butyl Ether	5.05	73	9411	0.052 ppbv	# 51
30) Cyclohexane	7.15	84	836035	8.892 ppbv	98
31) cis-1,2-Dichloroethene	5.68	61	550763	4.734 ppbv	# 27
34) 2-Butanone	5.27	43	6735936	38.226 ppbv	99
36) Benzene	6.91	78	1299286	5.771 ppbv	94
39) 1,2-Dichloropropane	7.20	63	798959	8.986 ppbv	# 23
41) Tetrahydrofuran	6.06	42	1847226	17.645 ppbv	98
42) Bromodichloromethane	7.81	83	133959	0.771 ppbv	# 25
43) Methyl Methacrylate	8.04	69	6066	0.063 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.89	57	6614381	16.223 ppbv	# 80
50) 4-Methyl-2-Pentanone	8.77	43	900383	3.426 ppbv	98
51) 2-Hexanone	10.13	43	719479	3.502 ppbv	# 30
53) Toluene	9.83	91	19011913	75.204 ppbv	# 79
58) Ethyl Benzene	12.74	91	6382510	19.215 ppbv	98
59) m/p-Xylene	13.00	91	15807651	56.503 ppbv	87
60) o-Xylene	13.72	91	7222037	27.399 ppbv	99
61) Styrene	13.55	104	126123	0.745 ppbv	94
62) Isopropylbenzene	14.69	105	757429	1.939 ppbv	97
64) n-propylbenzene	15.58	120	682612	7.262 ppbv	88
65) tert-Butylbenzene	16.79	119	1087499	3.400 ppbv	# 67
66) Benzyl Chloride	16.79	91	582318	7.313 ppbv	# 67
67) sec-Butylbenzene	17.32	105	290805	0.650 ppbv	100
69) p-Isopropyltoluene	17.56	119	380126	1.068 ppbv	93
70) n-Butylbenzene	18.58	91	857680	2.437 ppbv	# 52

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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

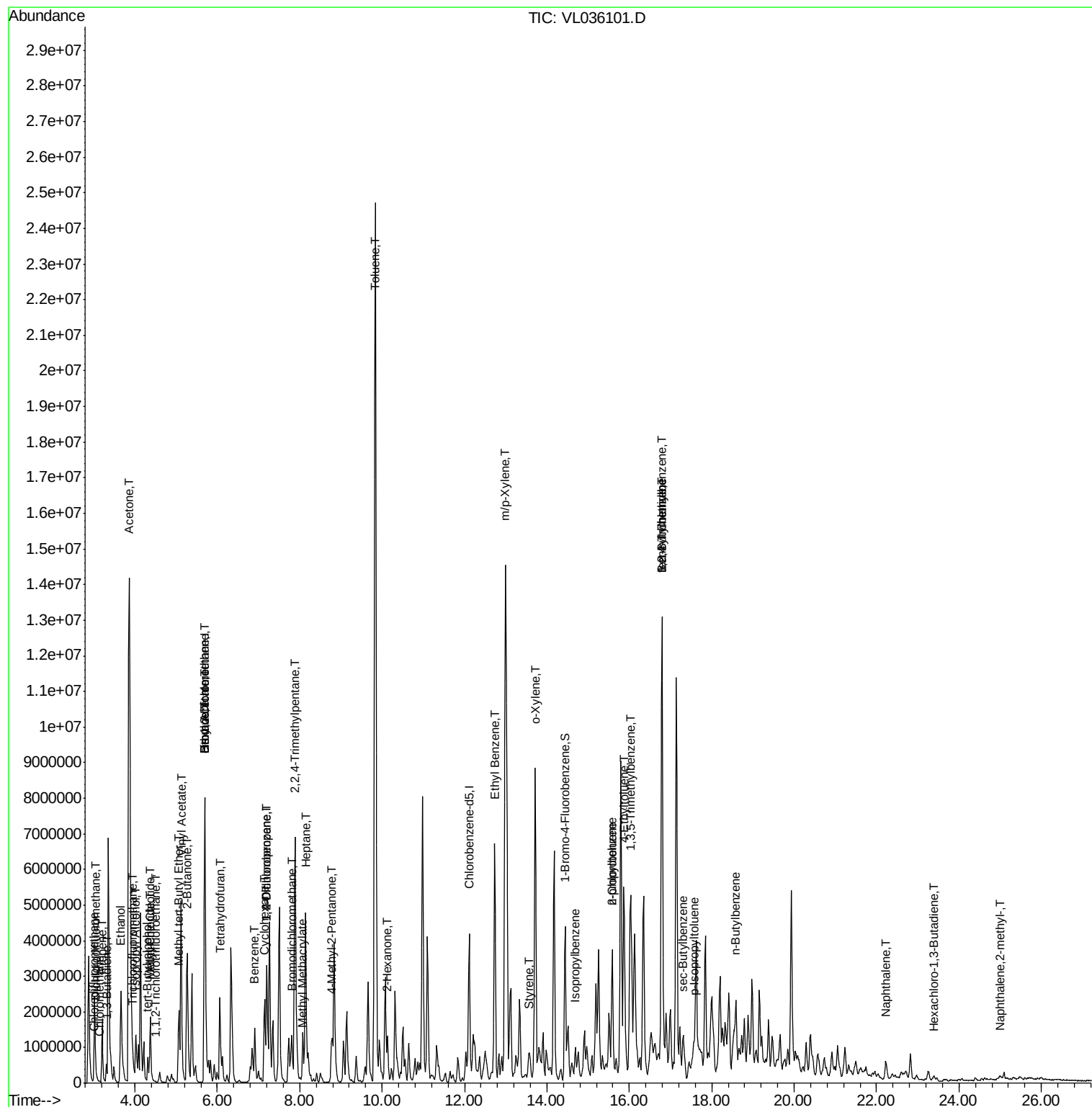
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.59	91	3538461	11.981	ppbv #	46
72) 4-Ethyltoluene	15.87	105	3755350	13.152	ppbv	99
73) 1,3,5-Trimethylbenzene	16.02	105	3413255	12.516	ppbv	97
74) 1,2,4-Trimethylbenzene	16.79	105	9200412	33.610	ppbv #	72
78) Hexachloro-1,3-Butadiene	23.40	225	7720	0.074	ppbv #	1
79) Naphthalene	22.23	128	452710	3.254	ppbv	98
80) Naphthalene,2-methyl-	25.00	142	72361	2.326	ppbv	89

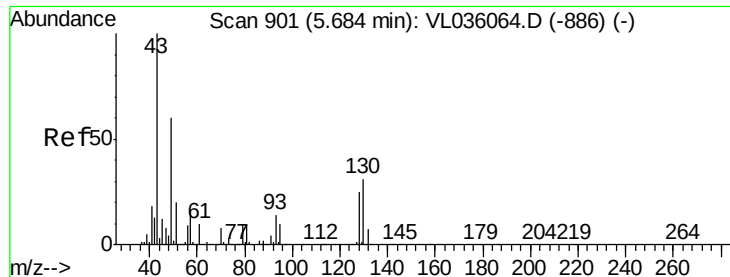
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

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ClientSampleId :

IA-1

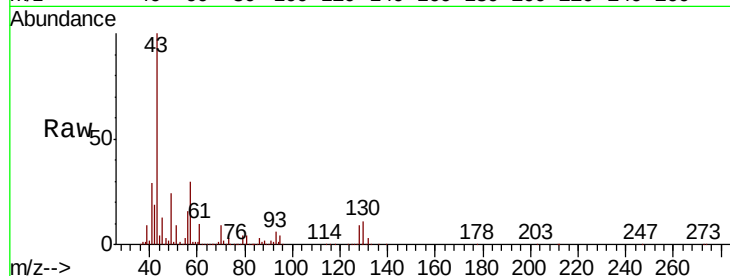
Tot Ion: 49 Resp: 1184411

Ion Ratio Lower Upper

49 100

128 37.5 21.1 63.1

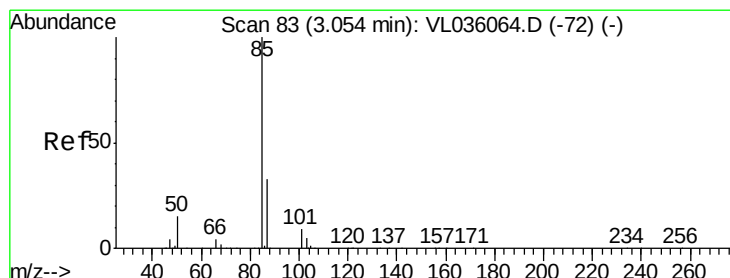
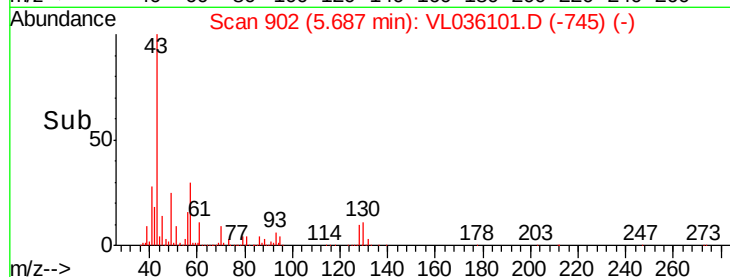
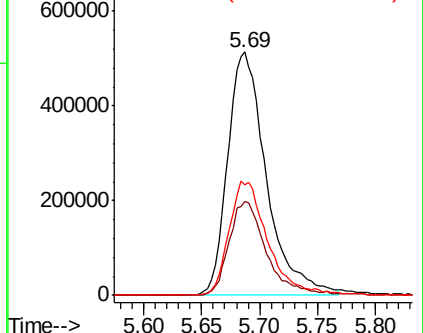
130 47.5 27.1 81.3



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: 0.260 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL036101.D

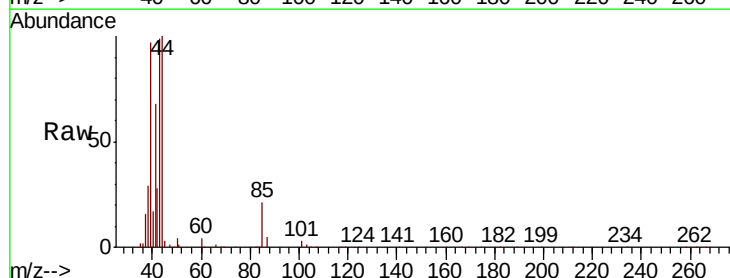
Acq: 8 Dec 2020 19:09

Tgt Ion: 85 Resp: 35859

Ion Ratio Lower Upper

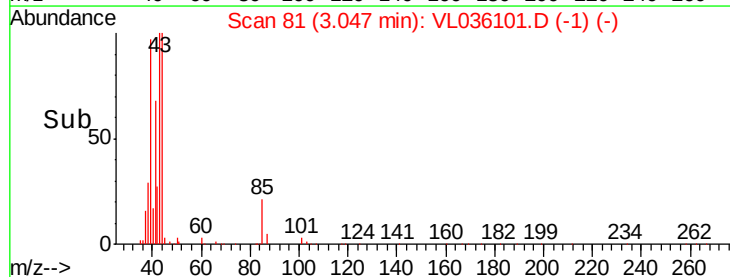
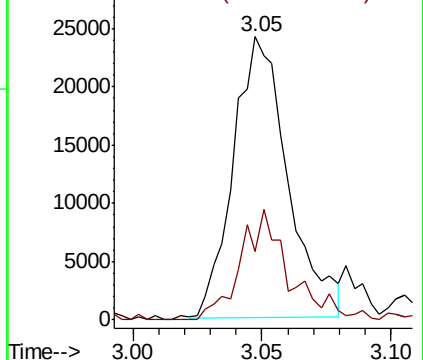
85 100

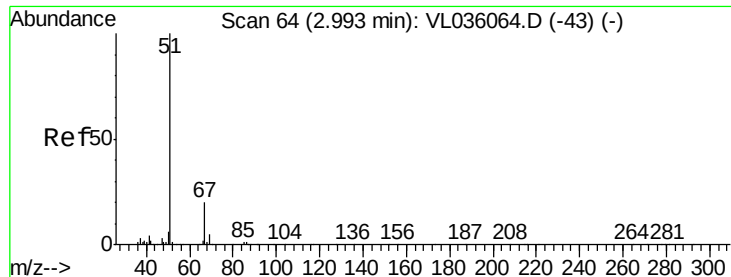
87 24.3 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

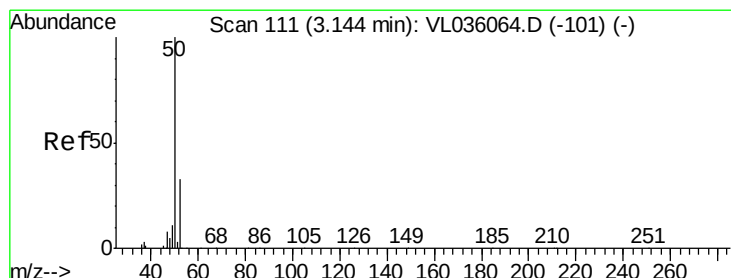
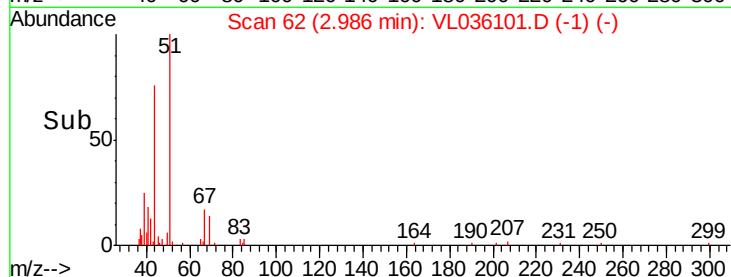
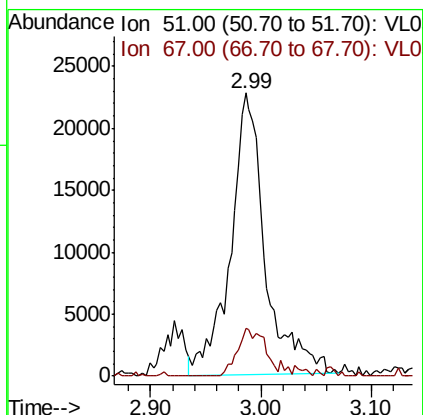
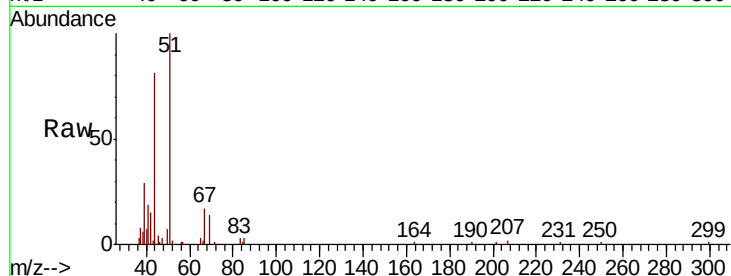




#3
Chlorodifluoromethane
Concen: 0.366 ppbv
RT: 2.99 min Scan# 62
Delta R.T. -0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

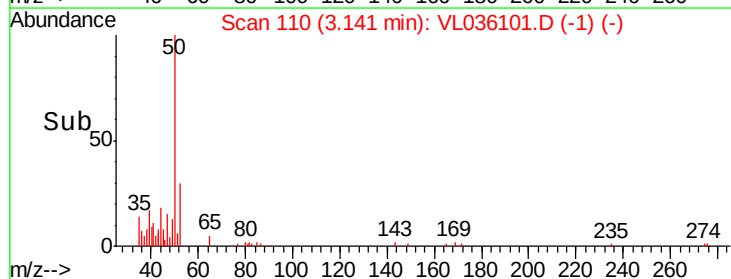
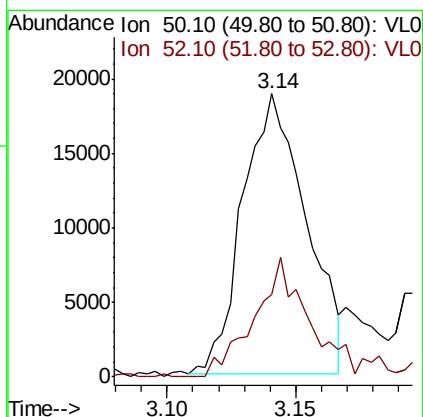
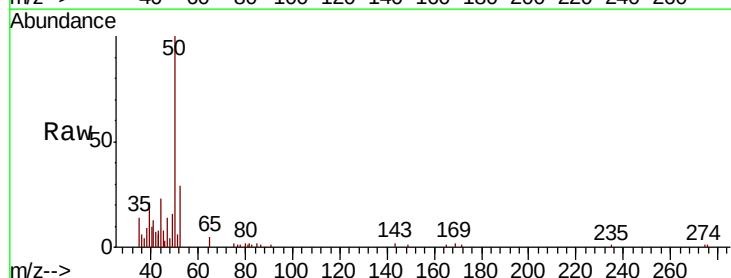
Instrument :
MSVOA_L
ClientSampleId :
IA-1

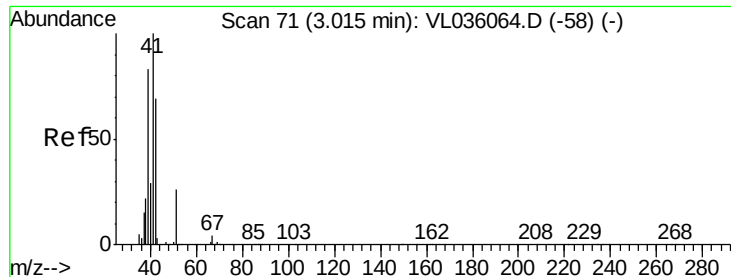
Tot Ion: 51 Resp: 49510
Ion Ratio Lower Upper
51 100
67 13.9 14.3 21.5#



#4
Chloromethane
Concen: 0.487 ppbv
RT: 3.14 min Scan# 110
Delta R.T. -0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 50 Resp: 32300
Ion Ratio Lower Upper
50 100
52 29.6 26.1 39.1





#9

Propene

Concen: 9.128 ppbv

RT: 3.20 min Scan# 130

Delta R.T. 0.19 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

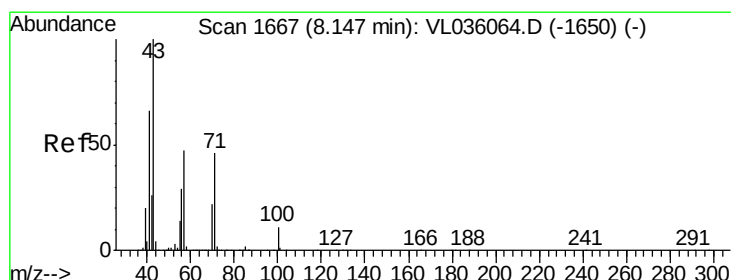
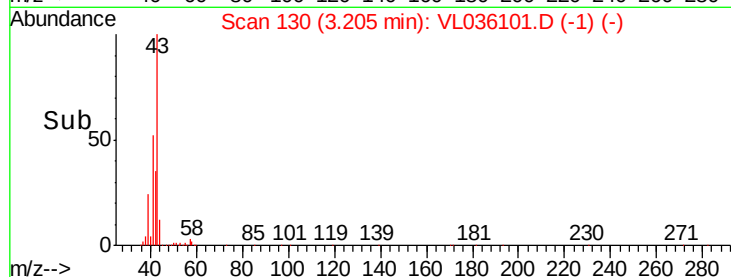
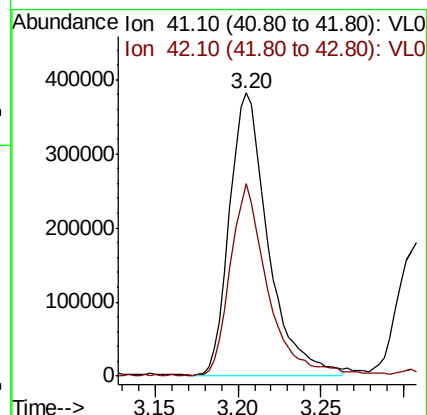
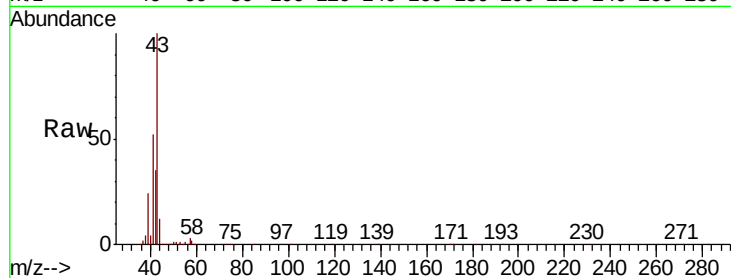
IA-1

Tot Ion: 41 Resp: 617944

Ion Ratio Lower Upper

41 100

42 65.7 57.0 85.6



#10

Heptane

Concen: 14.587 ppbv

RT: 8.14 min Scan# 1664

Delta R.T. -0.01 min

Lab File: VL036101.D

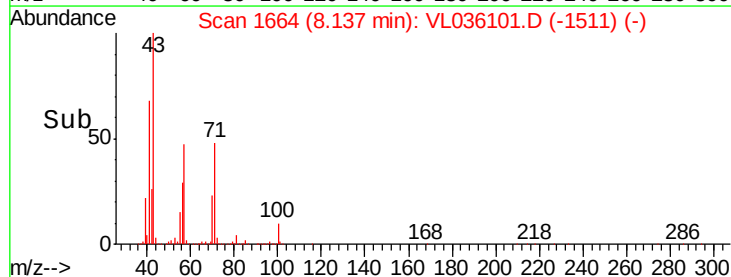
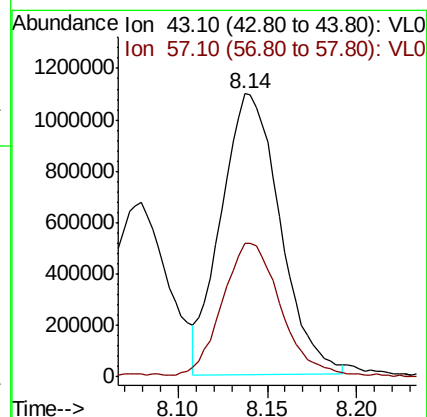
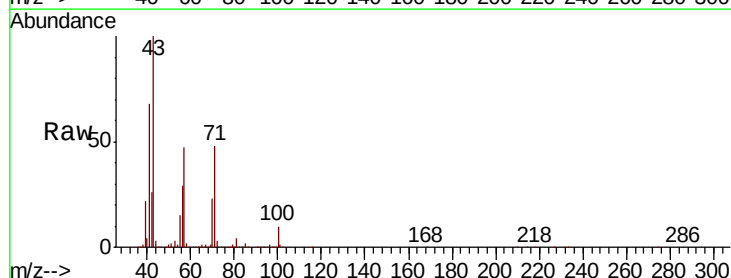
Acq: 8 Dec 2020 19:09

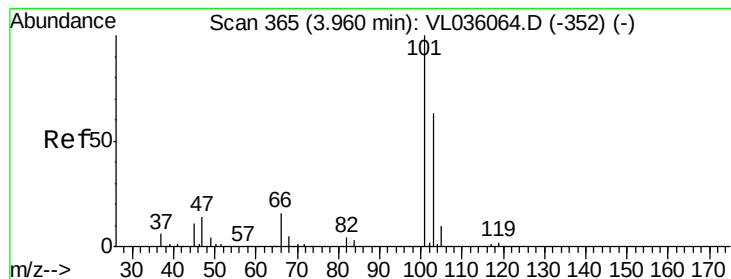
Tgt Ion: 43 Resp: 2521968

Ion Ratio Lower Upper

43 100

57 47.7 37.9 56.9





#11

Trichlorofluoromethane

Concen: 0.216 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

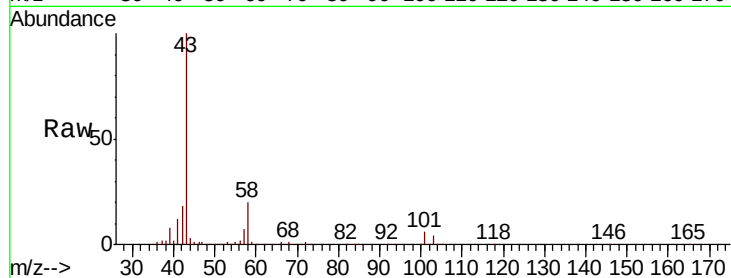
IA-1

Tot Ion:101 Resp: 35003

Ion Ratio Lower Upper

101 100

103 58.2 50.3 75.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

25000

20000

15000

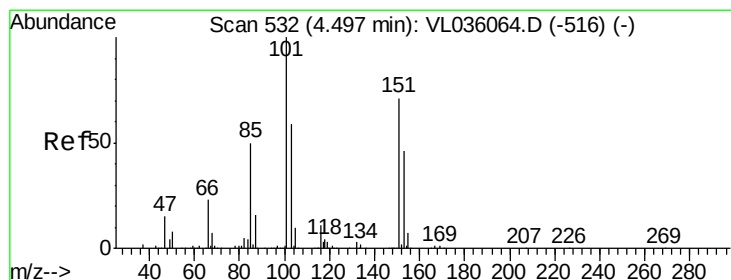
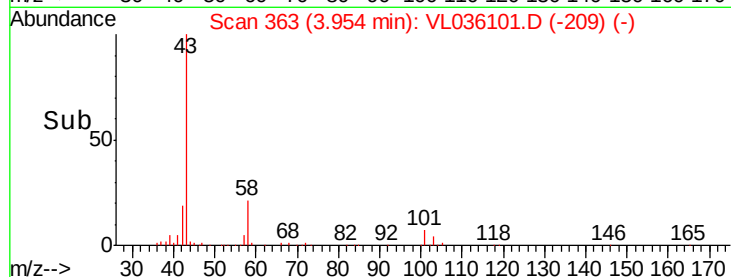
10000

5000

0

3.90 3.95 4.00

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.035 ppbv

RT: 4.50 min Scan# 532

Delta R.T. 0.00 min

Lab File: VL036101.D

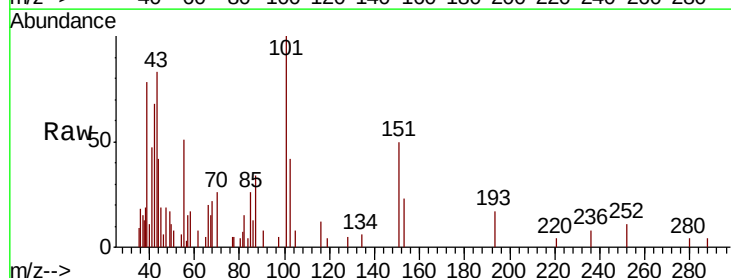
Acq: 8 Dec 2020 19:09

Tgt Ion:101 Resp: 3886

Ion Ratio Lower Upper

101 100

151 155.7 59.3 88.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

5000

4000

3000

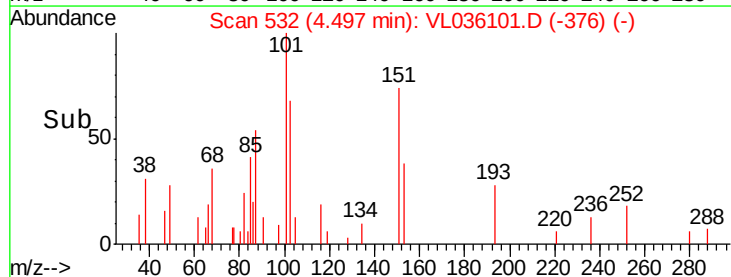
2000

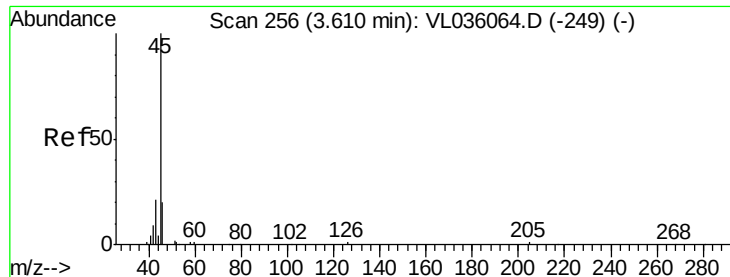
1000

0

4.48 4.50 4.52

Time-->

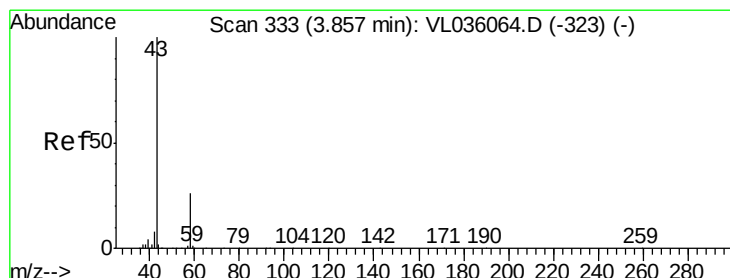
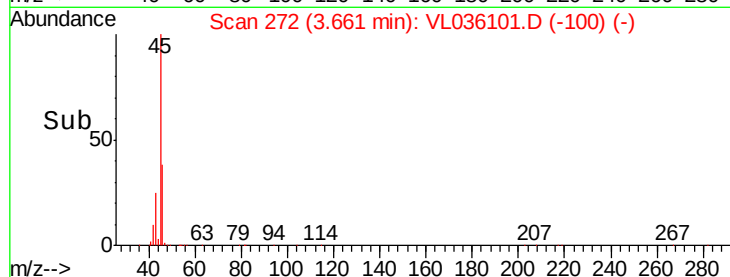
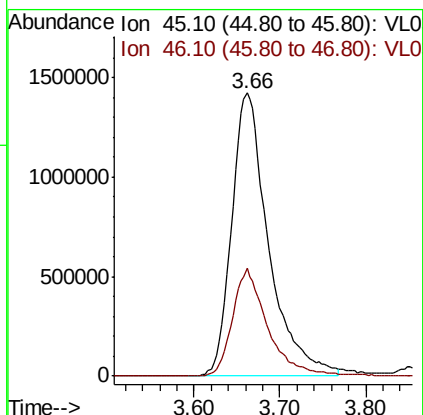
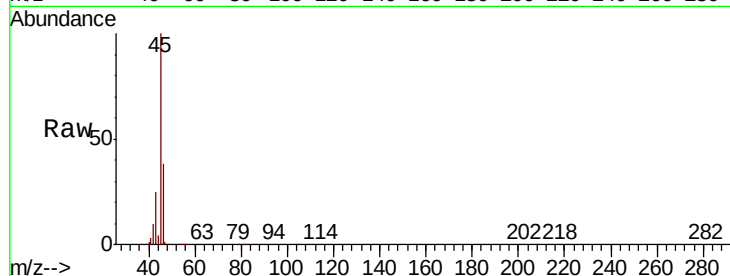




#13
Ethanol
Concen: 454.364 ppbv
RT: 3.66 min Scan# 272
Delta R.T. 0.05 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

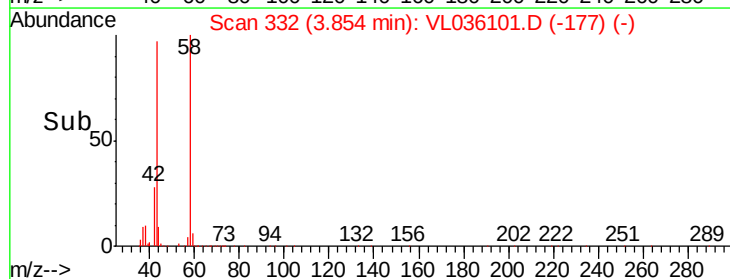
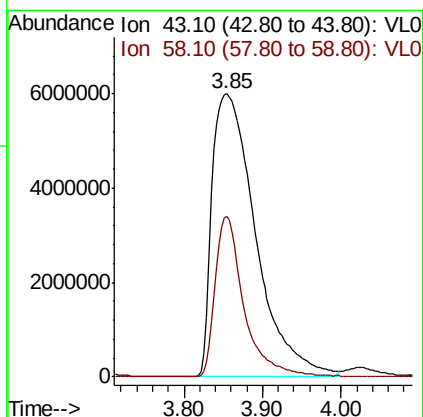
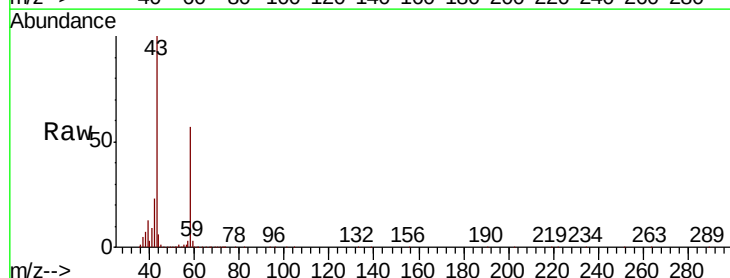
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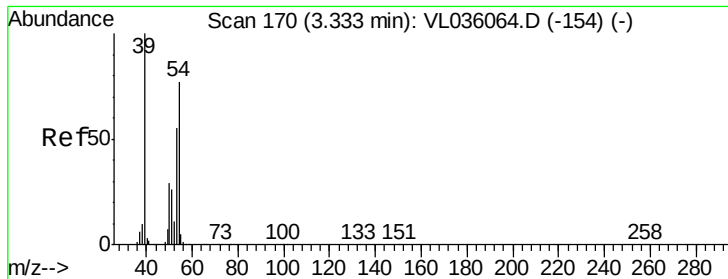
Tot Ion: 45 Resp: 4240195
Ion Ratio Lower Upper
45 100
46 36.6 19.0 75.8



#15
Acetone
Concen: 161.650 ppbv
RT: 3.85 min Scan# 332
Delta R.T. -0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 43 Resp: 23010618
Ion Ratio Lower Upper
43 100
58 37.8 20.9 31.3#

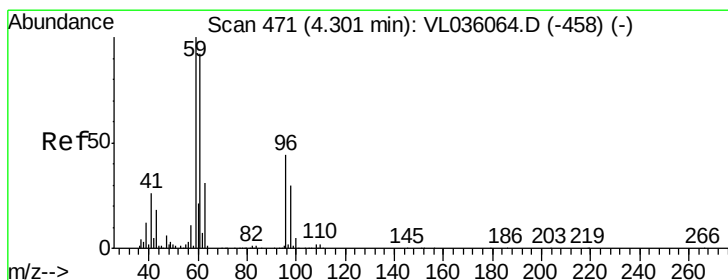
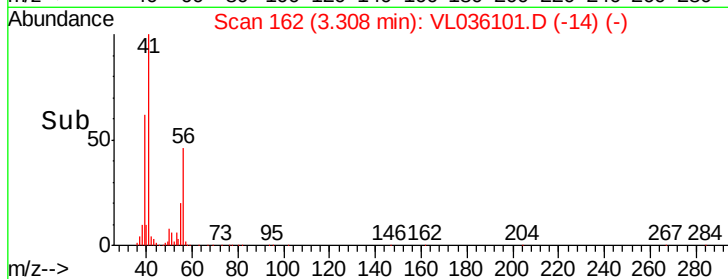
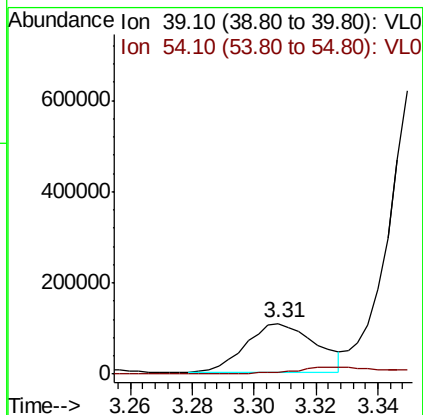
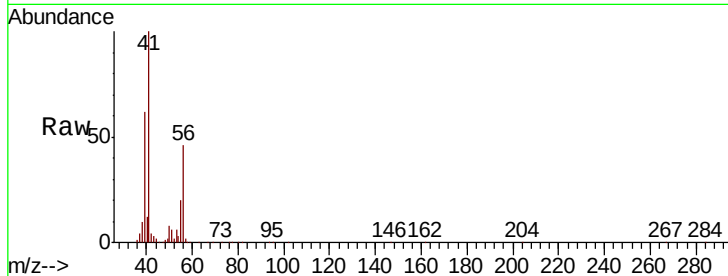




#16
1,3-Butadiene
Concen: 2.300 ppbv
RT: 3.31 min Scan# 162
Delta R.T. -0.03 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

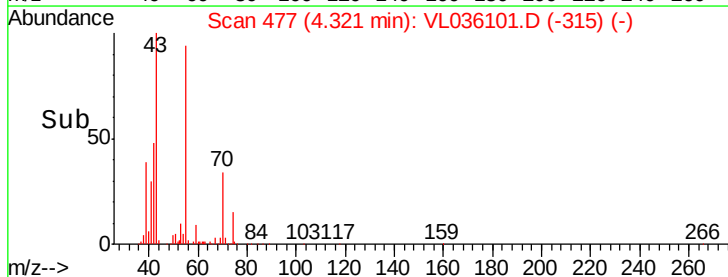
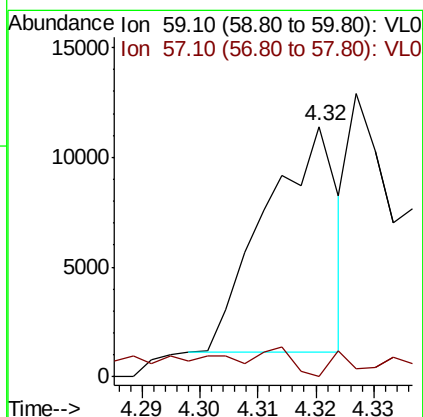
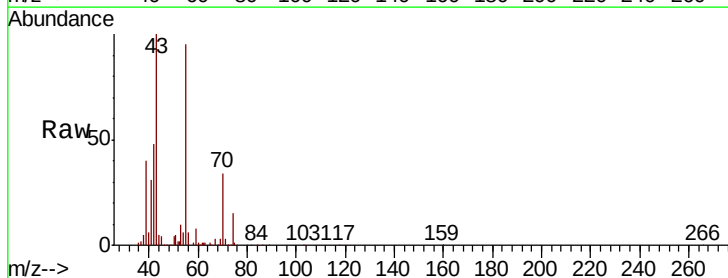
Instrument :
MSVOA_L
ClientSampleId :
IA-1

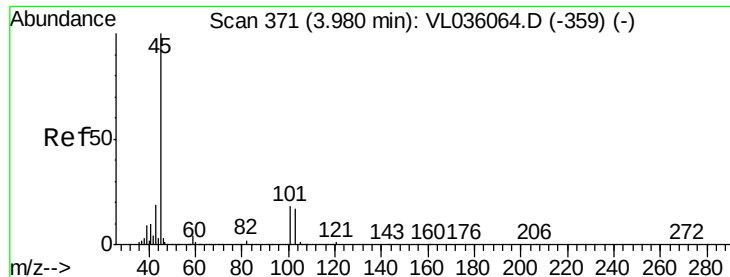
Tot Ion: 39 Resp: 164876
Ion Ratio Lower Upper
39 100
54 28.3 62.1 93.1#



#17
tert-Butyl alcohol
Concen: 0.064 ppbv
RT: 4.32 min Scan# 477
Delta R.T. 0.02 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 59 Resp: 8851
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



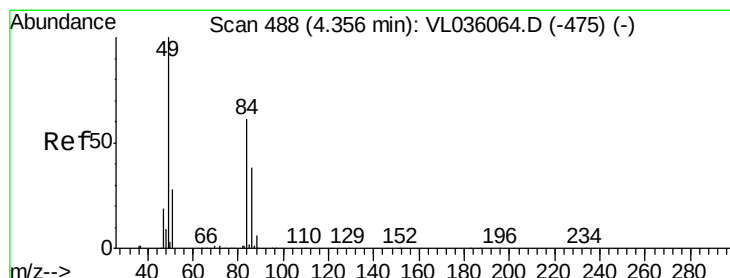
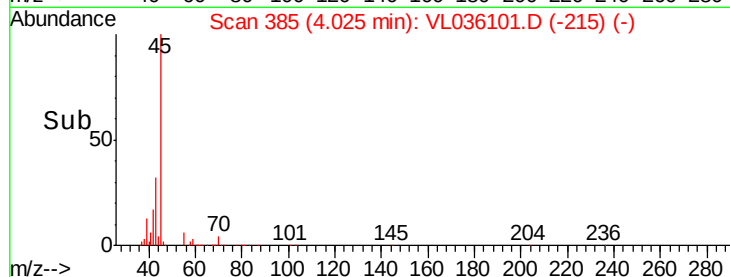
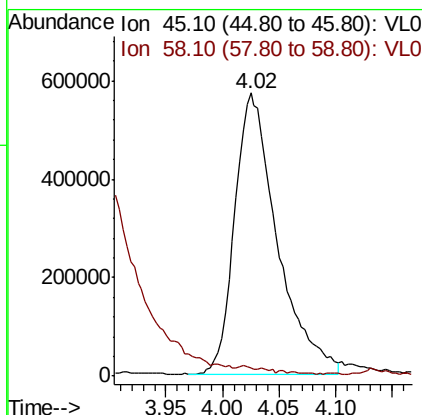
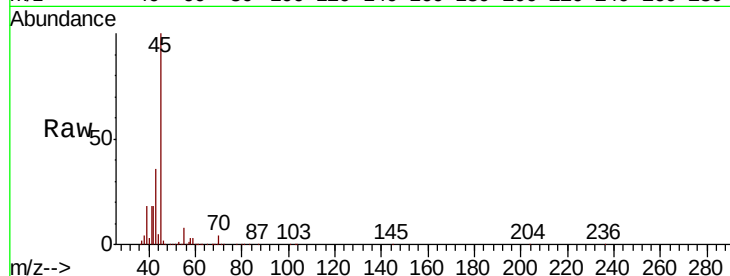


#19

Isopropyl Alcohol
 Concen: 17.227 ppbv
 RT: 4.02 min Scan# 385
 Delta R.T. 0.05 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

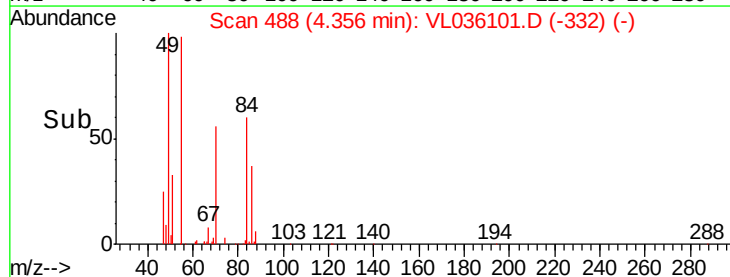
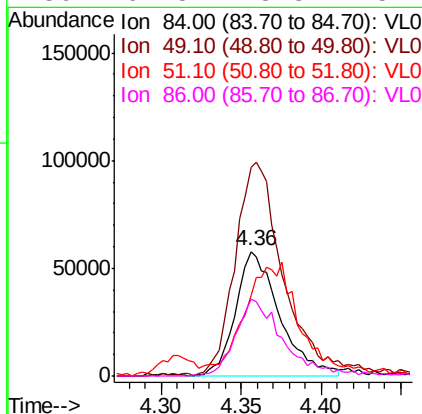
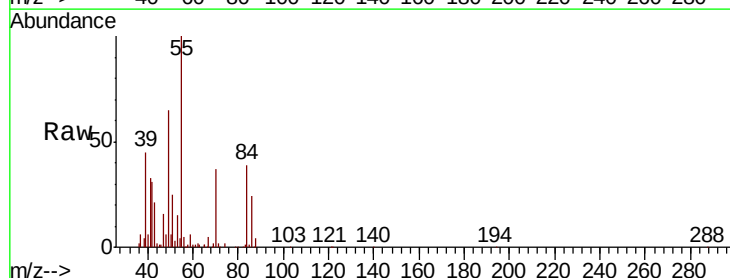
Tot Ion: 45 Resp: 1498850
 Ion Ratio Lower Upper
 45 100
 58 581.1 0.0 0.0#

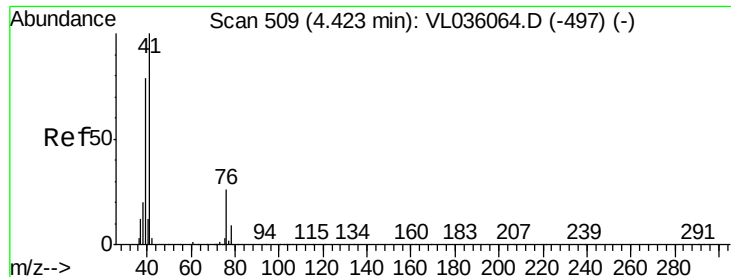


#20

Methylene Chloride
 Concen: 1.864 ppbv
 RT: 4.36 min Scan# 488
 Delta R.T. 0.00 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Tgt Ion: 84 Resp: 108747
 Ion Ratio Lower Upper
 84 100
 49 165.4 133.0 199.4
 51 56.2 38.9 58.3
 86 61.8 48.8 73.2





#21

Allvl Chloride

Concen: 3.666 ppbv

RT: 4.38 min Scan# 494

Delta R.T. -0.05 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

IA-1

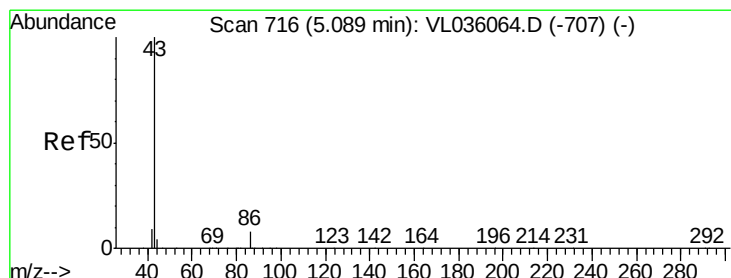
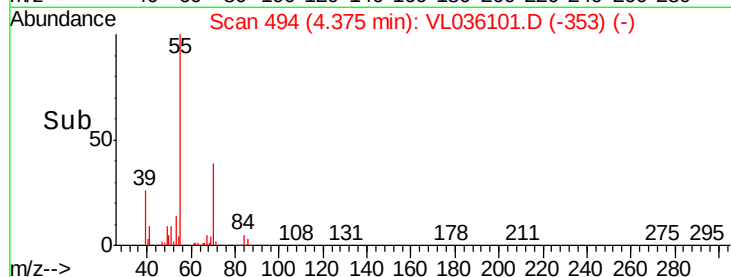
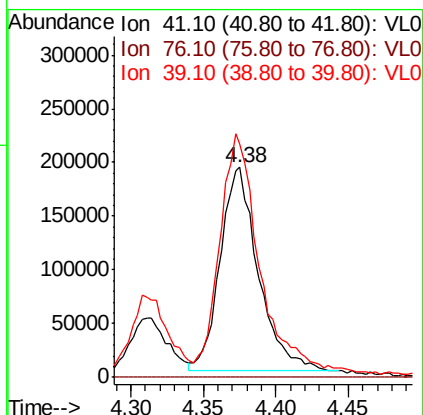
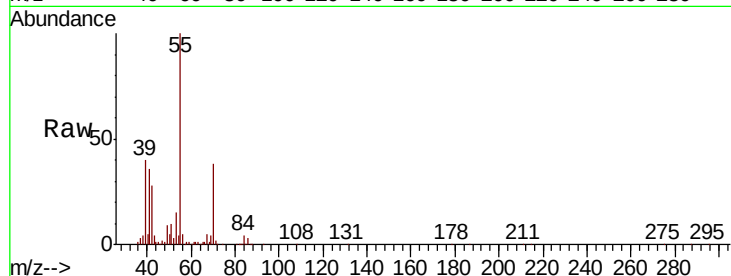
Tot Ion: 41 Resp: 347010

Ion Ratio Lower Upper

41 100

76 0.0 21.0 31.4#

39 129.7 66.0 99.0#



#23

Vinyl Acetate

Concen: 17.794 ppbv

RT: 5.12 min Scan# 725

Delta R.T. 0.03 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Tgt Ion: 43 Resp: 3372285

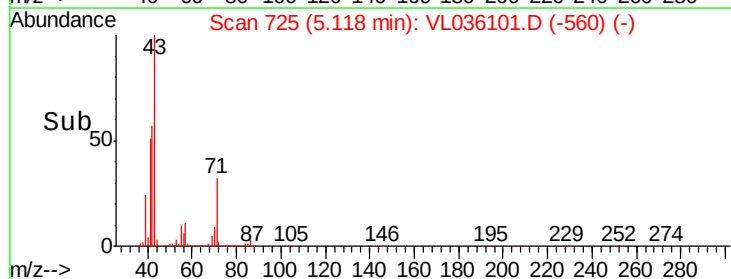
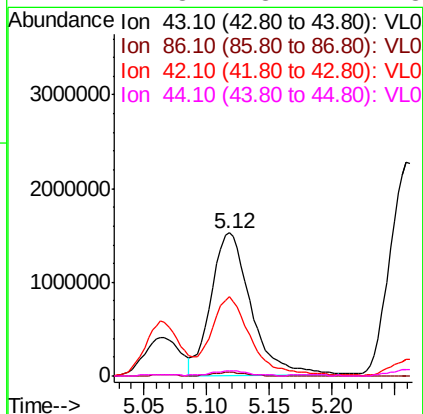
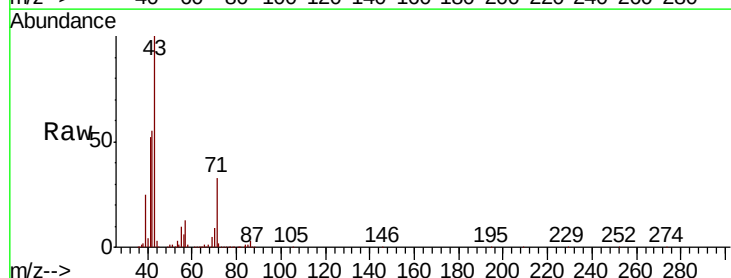
Ion Ratio Lower Upper

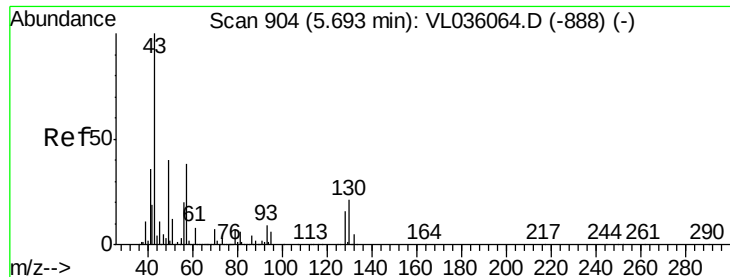
43 100

86 2.6 5.0 7.4#

42 55.4 7.8 11.6#

44 2.8 3.2 4.8#





#25

Ethyl Acetate

Concen: 20.540 ppbv

RT: 5.69 min Scan# 903

Delta R.T. -0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

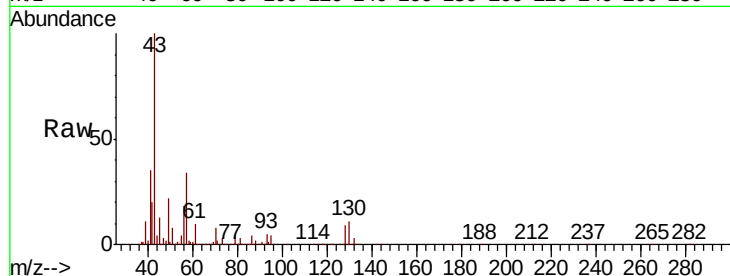
MSVOA_L

ClientSampleId :

IA-1

Tot Ion: 43 Resp: 5841080

Ion	Ratio	Lower	Upper
43	100		
45	12.5	8.2	12.4#
61	9.8	7.4	11.2
70	7.7	5.4	8.0



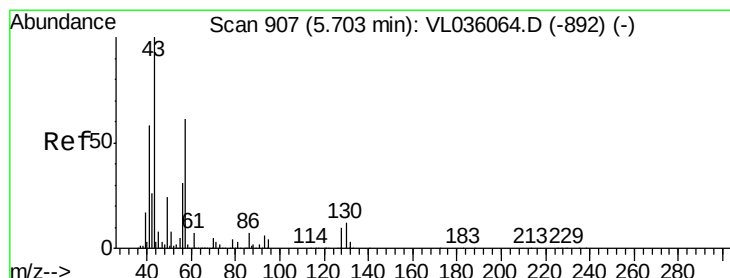
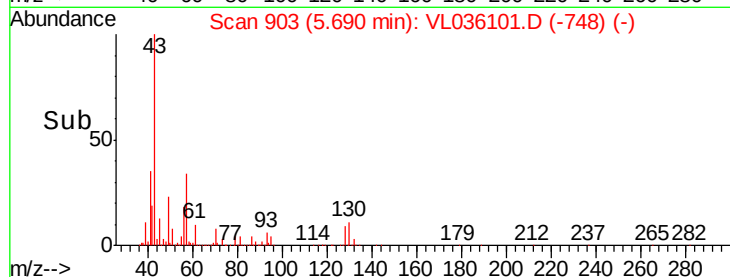
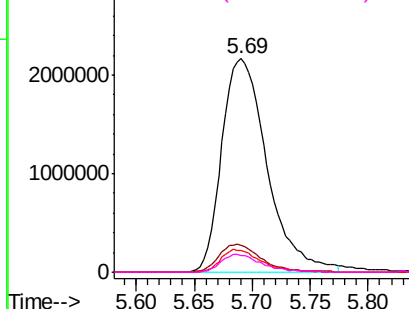
Abundance

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: 15.966 ppbv

RT: 5.70 min Scan# 906

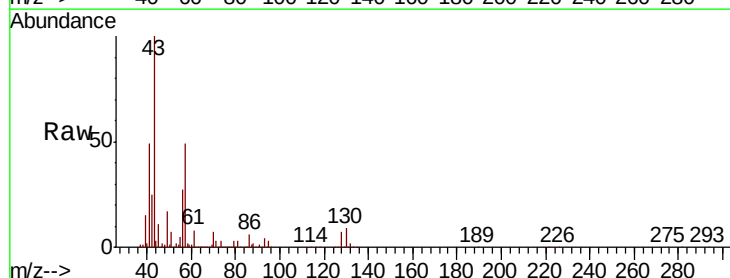
Delta R.T. -0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Tgt Ion: 57 Resp: 2043421

Ion	Ratio	Lower	Upper
57	100		
41	103.7	82.9	124.3
43	292.9	199.9	299.9
56	55.3	43.1	64.7



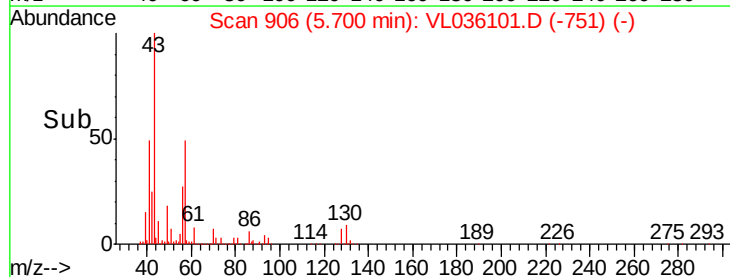
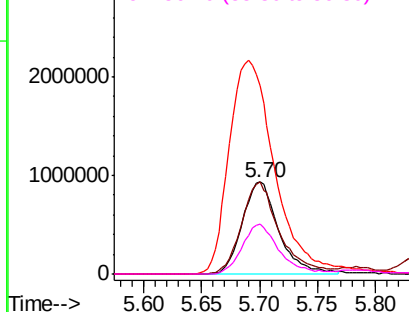
Abundance

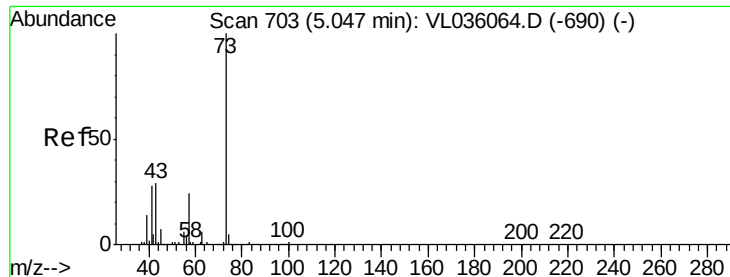
Ion 57.10 (56.80 to 57.80): VL0

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



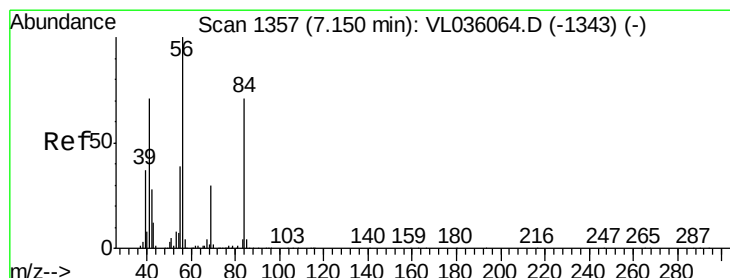
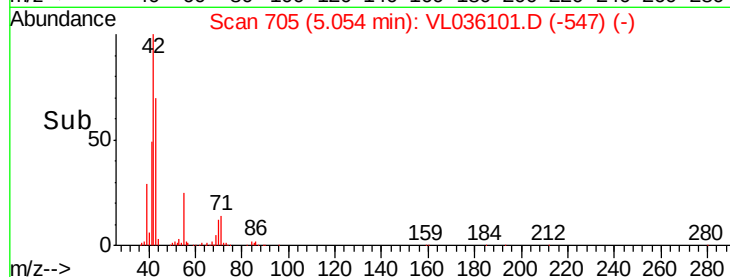
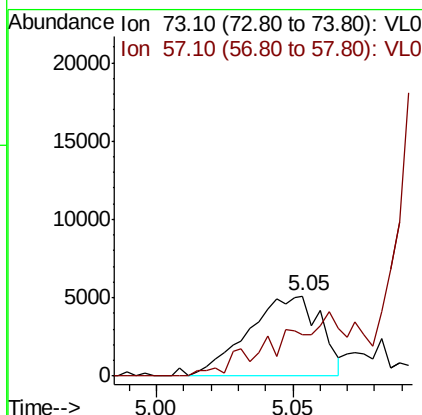
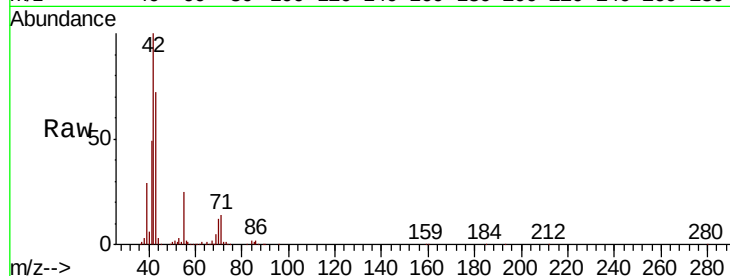


#28

Methyl tert-Butyl Ether
 Concen: 0.052 ppbv
 RT: 5.05 min Scan# 705
 Delta R.T. 0.01 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleID :
 IA-1

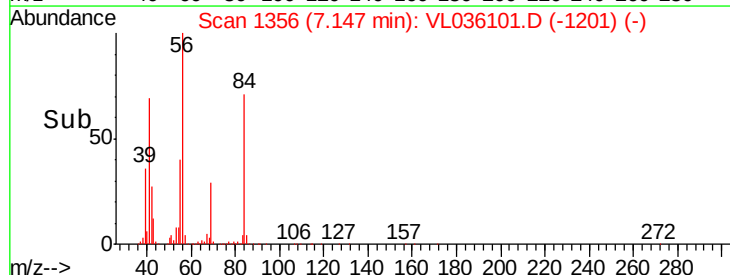
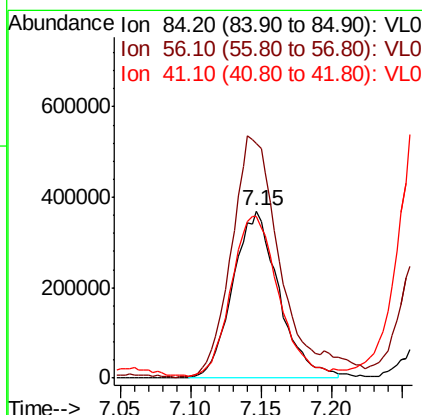
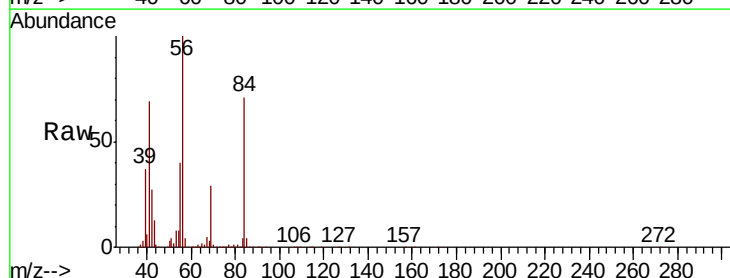
Tot Ion: 73 Resp: 9411
 Ion Ratio Lower Upper
 73 100
 57 0.0 19.2 28.8#

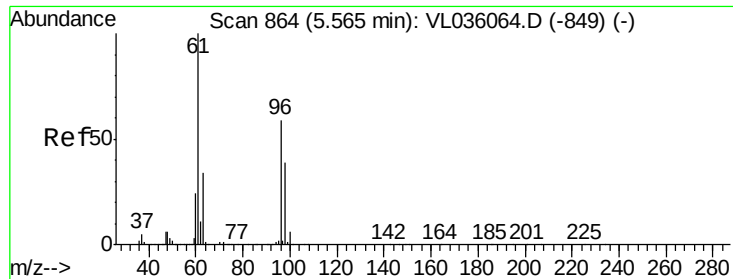


#30

Cyclohexane
 Concen: 8.892 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Tgt Ion: 84 Resp: 836035
 Ion Ratio Lower Upper
 84 100
 56 157.0 128.0 192.0
 41 100.4 81.3 121.9



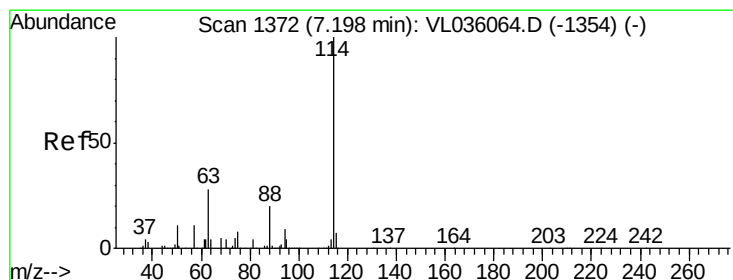
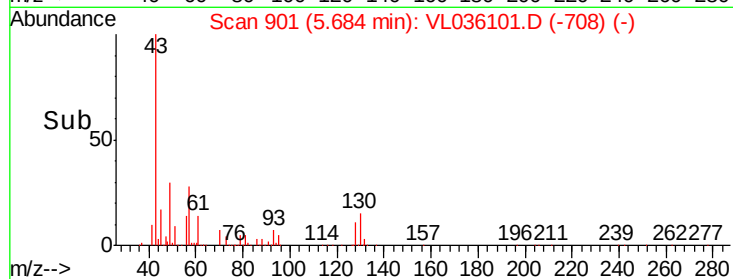
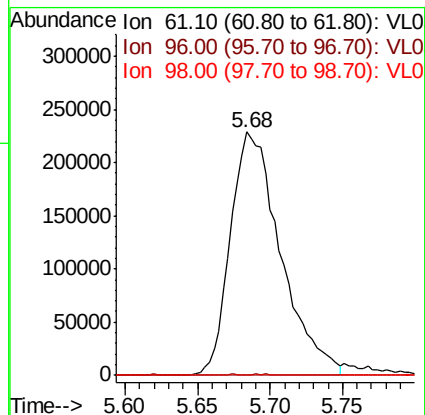
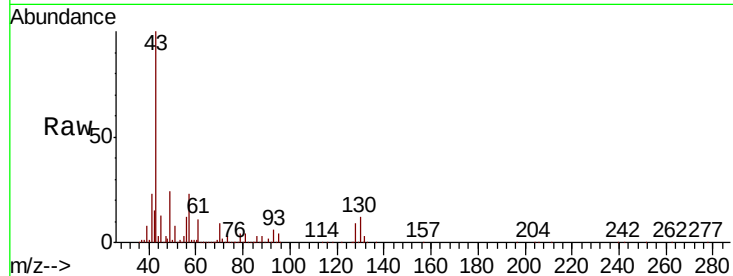


#31

cis-1,2-Dichloroethene
 Concen: 4.734 ppbv
 RT: 5.68 min Scan# 901
 Delta R.T. 0.12 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

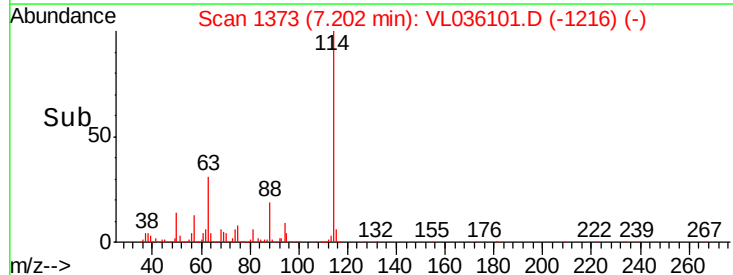
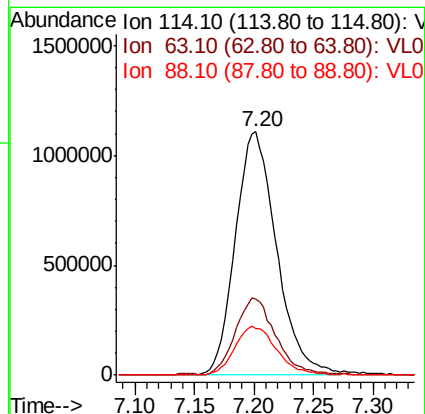
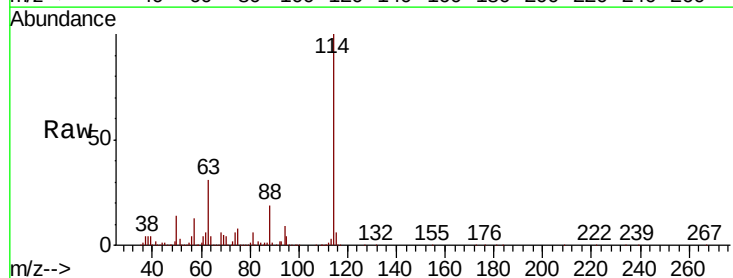
Tot Ion	Ratio	Lower	Upper
61	100		
96	0.4	47.3	70.9#
98	0.0	31.4	47.0#

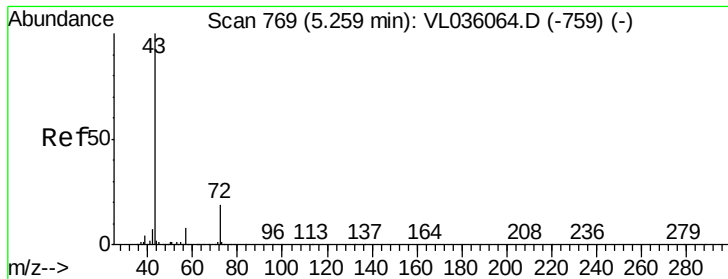


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1373
 Delta R.T. 0.00 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Tgt Ion	Ratio	Lower	Upper
114	100		
63	31.9	23.6	35.4
88	20.7	15.8	23.6

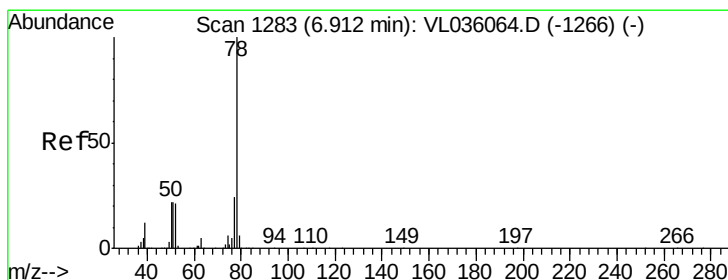
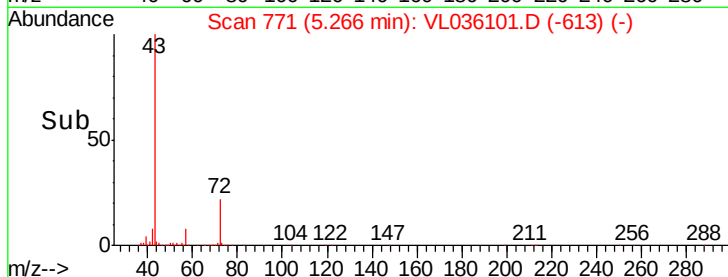
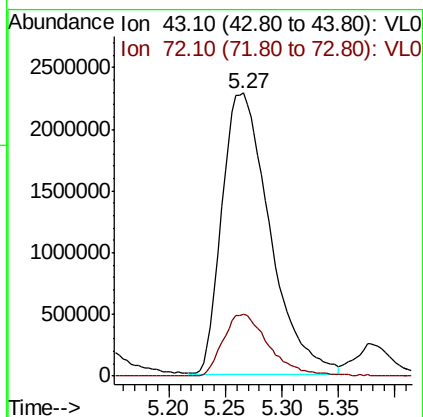
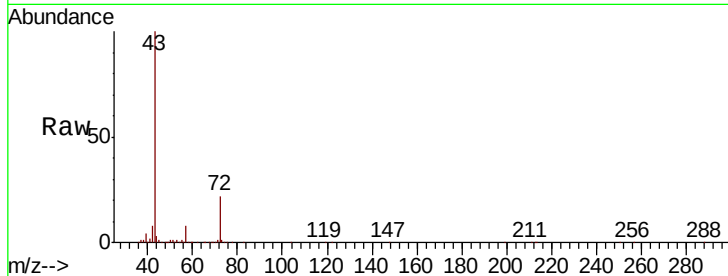




#34
2-Butanone
Concen: 38.226 ppbv
RT: 5.27 min Scan# 771
Delta R.T. 0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

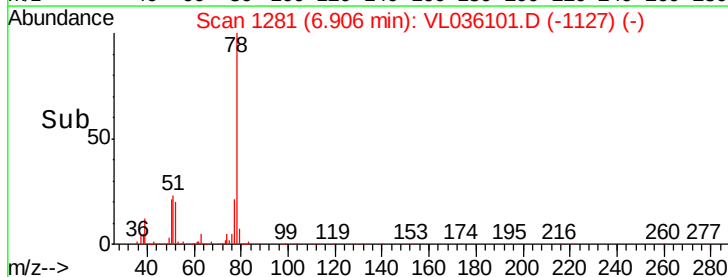
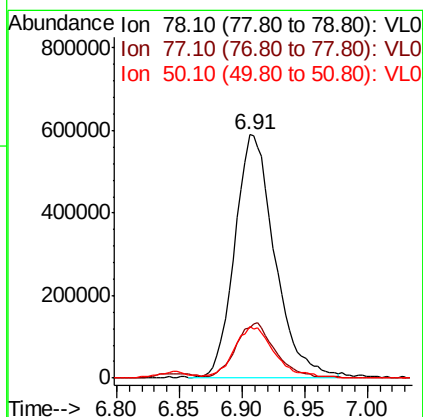
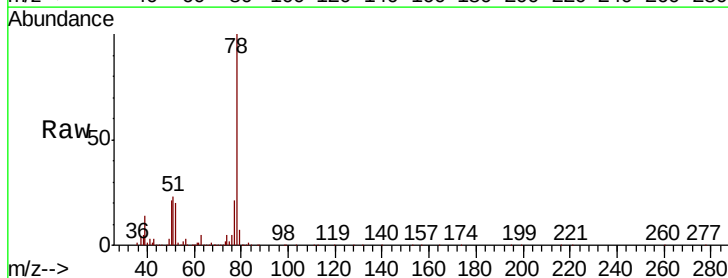
Instrument :
MSVOA_L
ClientSampled :
IA-1

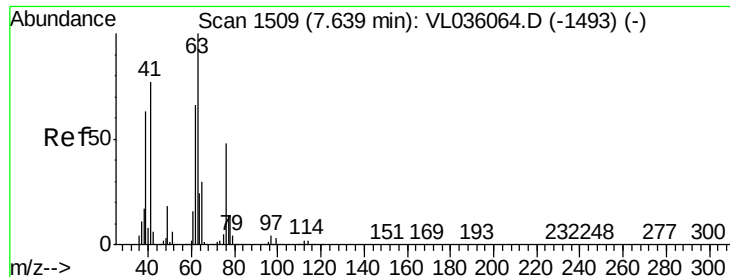
Tot Ion: 43 Resp: 6735936
Ion Ratio Lower Upper
43 100
72 21.2 16.5 24.7



#36
Benzene
Concen: 5.771 ppbv
RT: 6.91 min Scan# 1281
Delta R.T. -0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 78 Resp: 1299286
Ion Ratio Lower Upper
78 100
77 20.0 19.4 29.2
50 20.9 17.8 26.8





#39

1,2-Dichloropropane

Concen: 8.986 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.44 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

IA-1

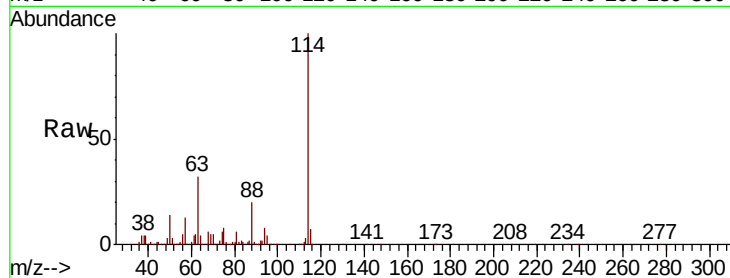
Tot Ion: 63 Resp: 798959

Ion Ratio Lower Upper

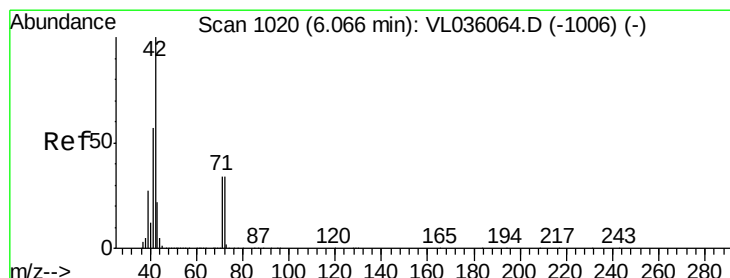
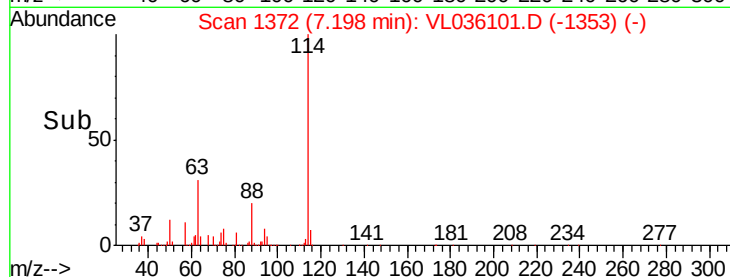
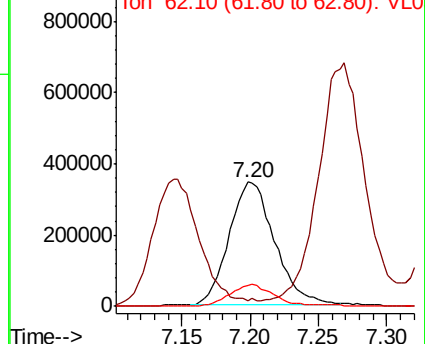
63 100

41 0.0 61.9 92.9#

62 16.0 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: 17.645 ppbv

RT: 6.06 min Scan# 1018

Delta R.T. -0.01 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

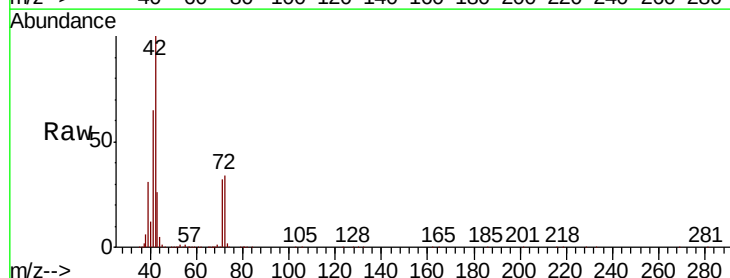
Tgt Ion: 42 Resp: 1847226

Ion Ratio Lower Upper

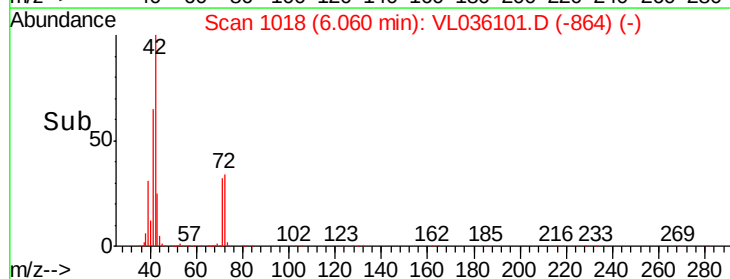
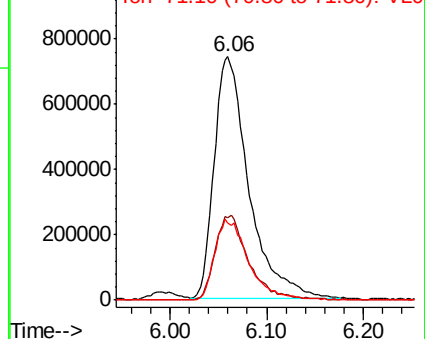
42 100

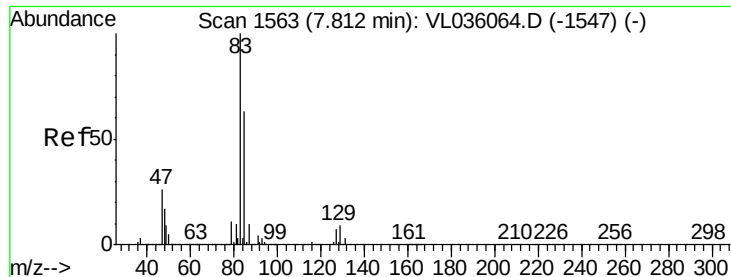
72 34.3 28.3 42.5

71 33.0 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: 0.771 ppbv

RT: 7.81 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampled :

IA-1

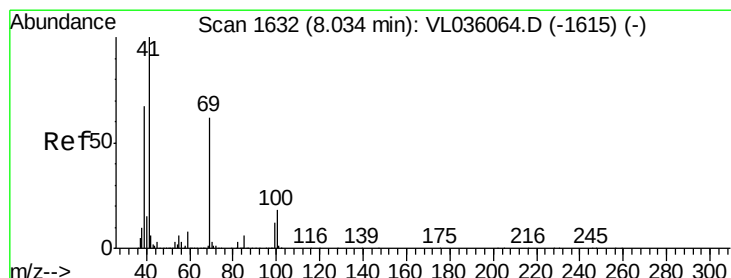
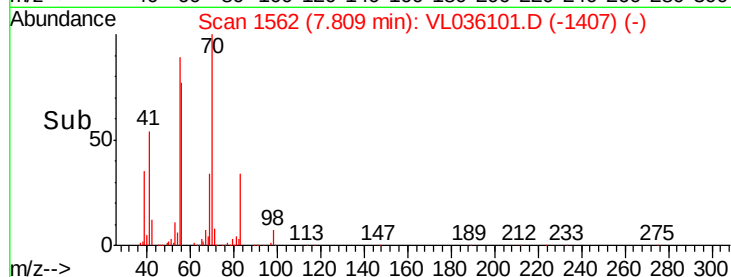
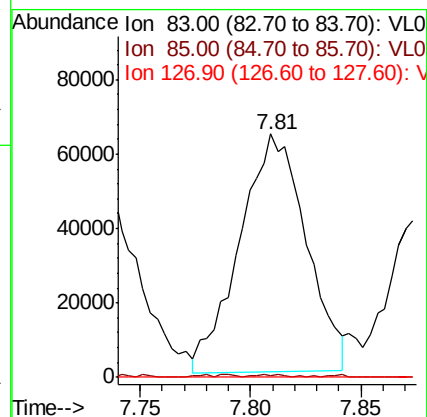
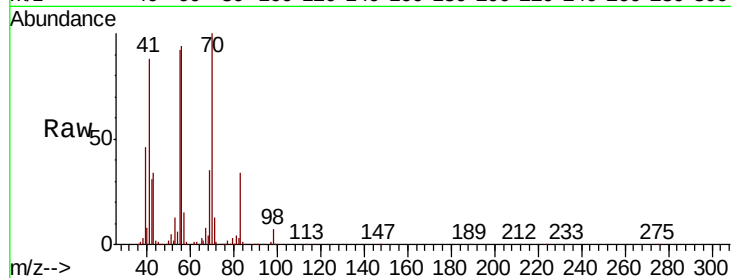
Tot Ion: 83 Resp: 133959

Ion Ratio Lower Upper

83 100

85 0.3 50.2 75.2#

127 0.0 5.5 8.3#



#43

Methyl Methacrylate

Concen: 0.063 ppbv

RT: 8.04 min Scan# 1634

Delta R.T. 0.01 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

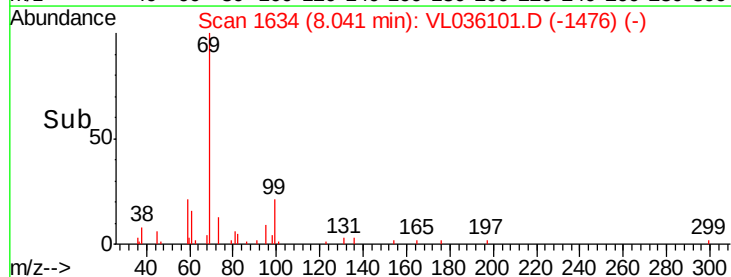
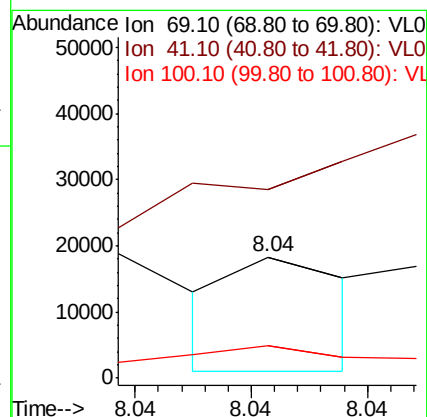
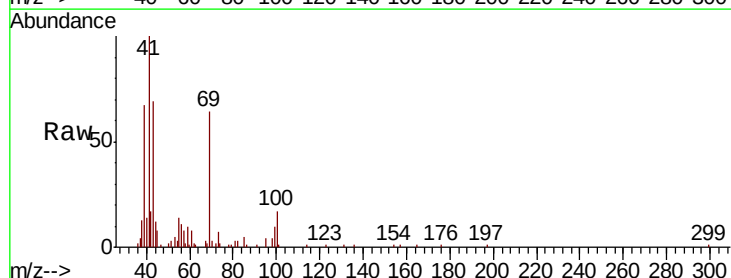
Tgt Ion: 69 Resp: 6066

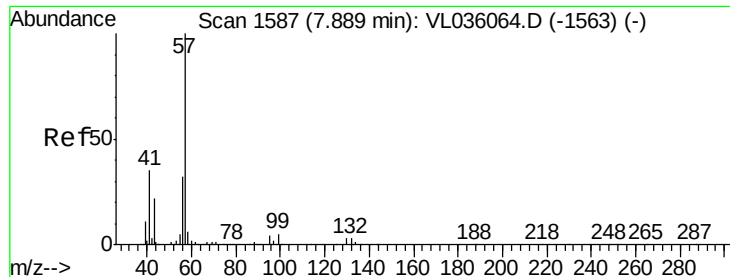
Ion Ratio Lower Upper

69 100

41 0.0 133.0 199.6#

100 141.8 25.4 38.0#





#44

2,2,4-Trimethylpentane

Concen: 16.223 ppbv

RT: 7.89 min Scan# 1586

Delta R.T. -0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

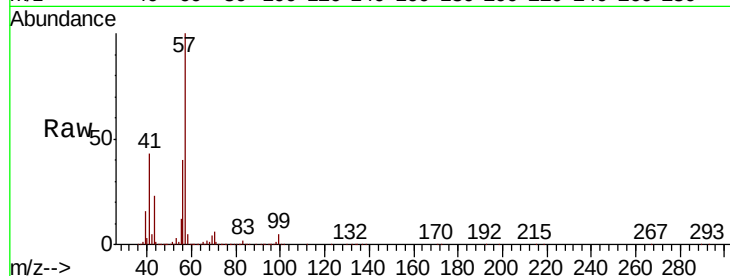
MSVOA_L

ClientSampleId :

IA-1

Tot Ion: 57 Resp: 6614381

Ion	Ratio	Lower	Upper
57	100		
41	46.7	28.9	43.3#
56	43.4	25.3	37.9#

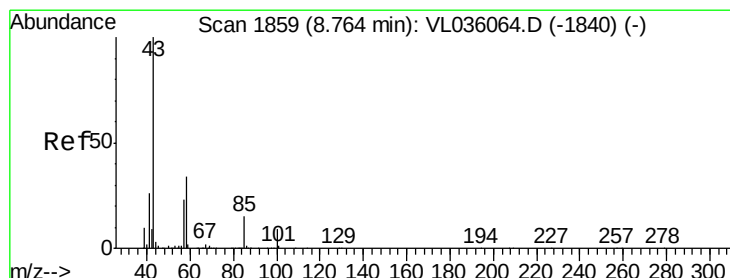
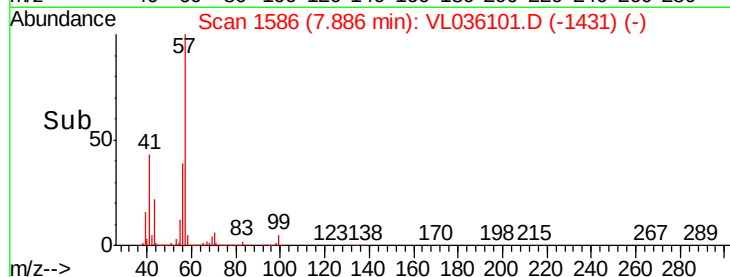
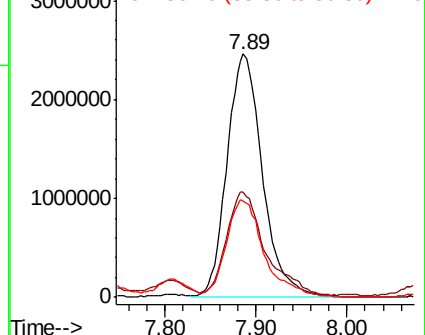


Abundance

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: 3.426 ppbv

RT: 8.77 min Scan# 1860

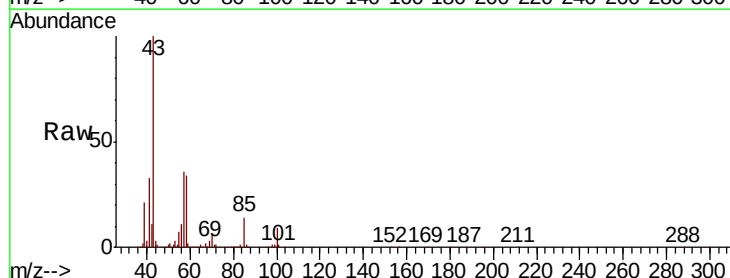
Delta R.T. 0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Tgt Ion: 43 Resp: 900383

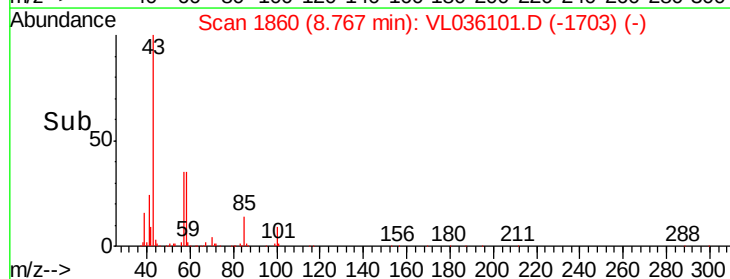
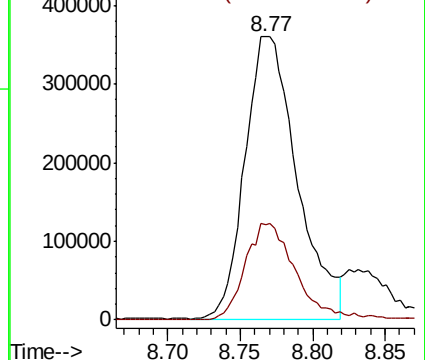
Ion	Ratio	Lower	Upper
43	100		
58	33.0	27.4	41.2

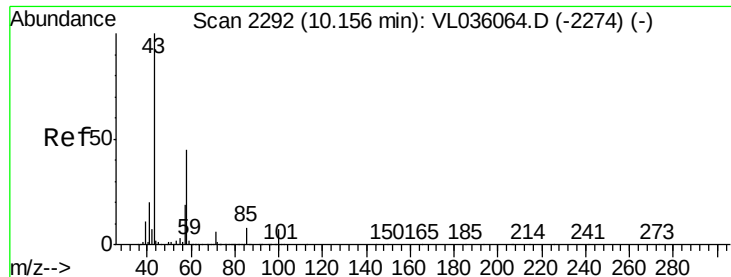


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

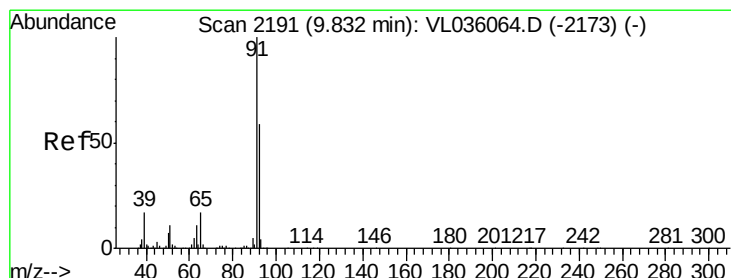
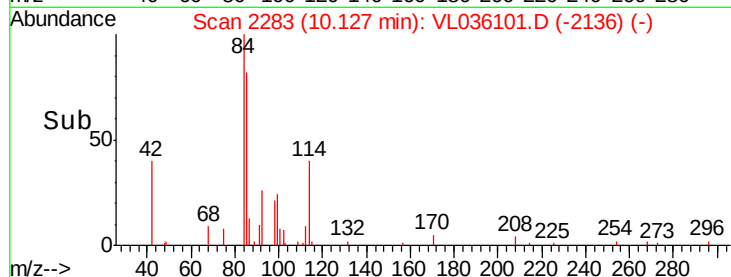
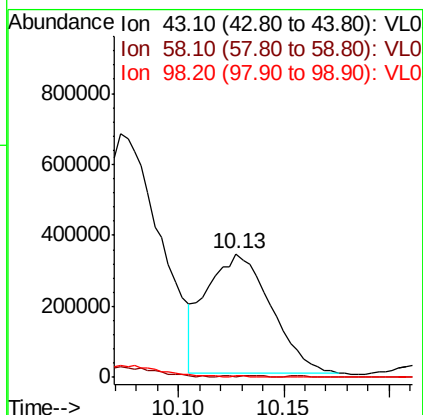
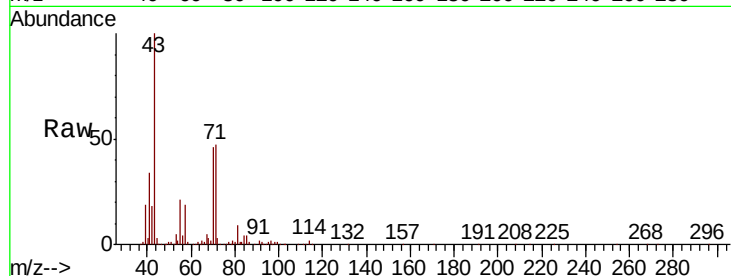




#51
2-Hexanone
Concen: 3.502 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.03 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

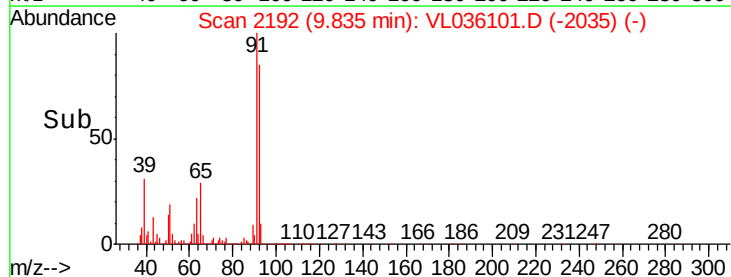
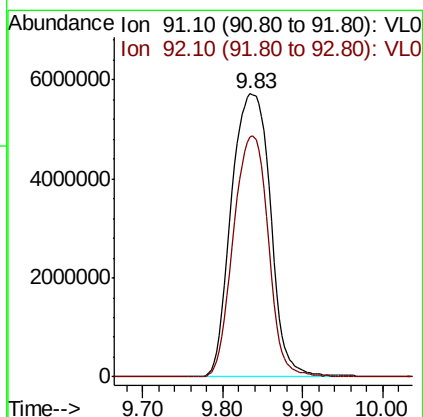
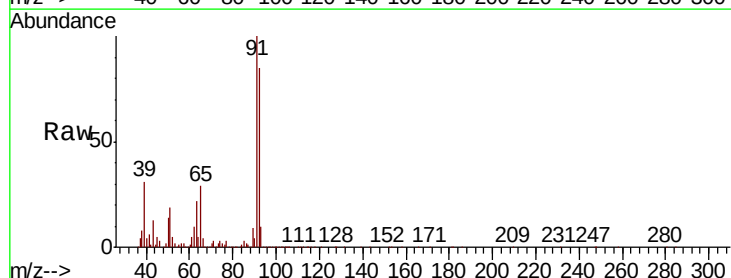
Instrument :
MSVOA_L
ClientSampleId :
IA-1

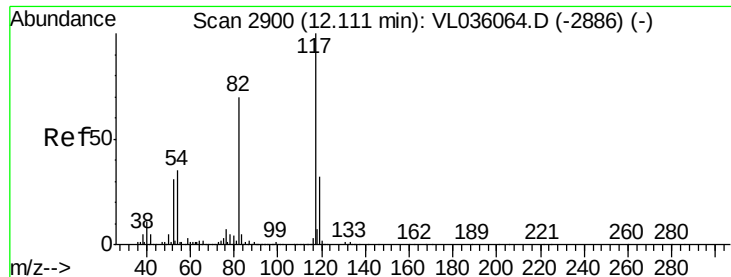
Tot Ion: 43 Resp: 719479
Ion Ratio Lower Upper
43 100
58 1.1 38.7 58.1#
98 0.0 0.1 0.1#



#53
Toluene
Concen: 75.204 ppbv
RT: 9.83 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 91 Resp: 19011913
Ion Ratio Lower Upper
91 100
92 75.9 48.2 72.2#

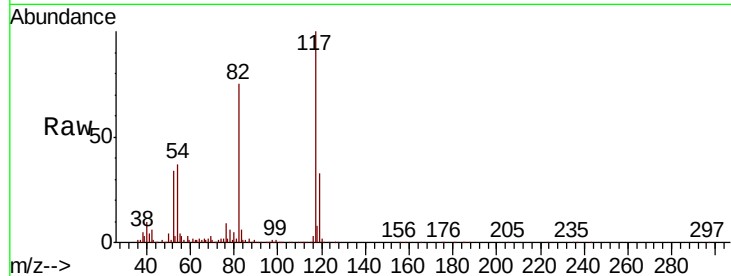




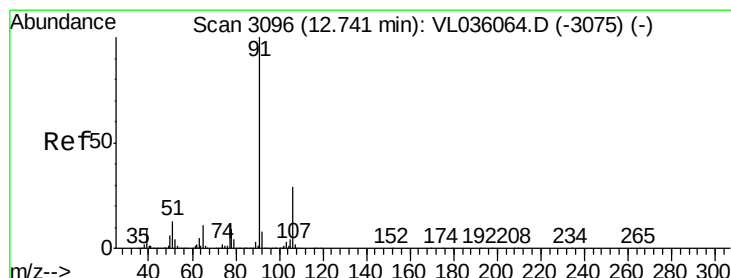
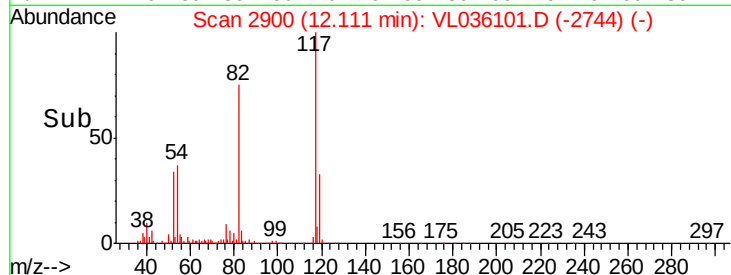
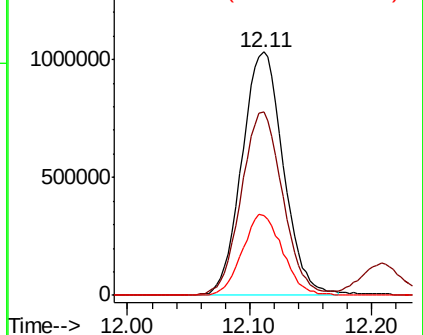
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Instrument :
MSVOA_L
ClientSampled :
IA-1

Tot Ion:117 Resp: 2423787
Ion Ratio Lower Upper
117 100
82 75.5 0.0 0.0#
119 32.5 0.0 0.0#

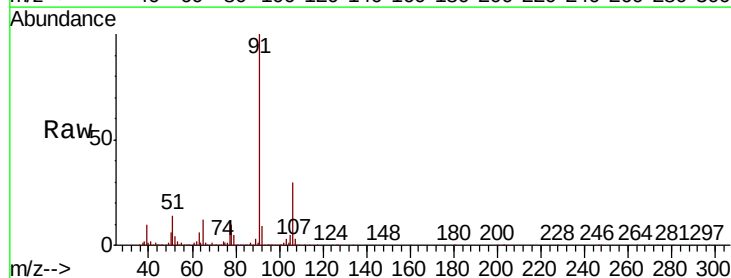


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

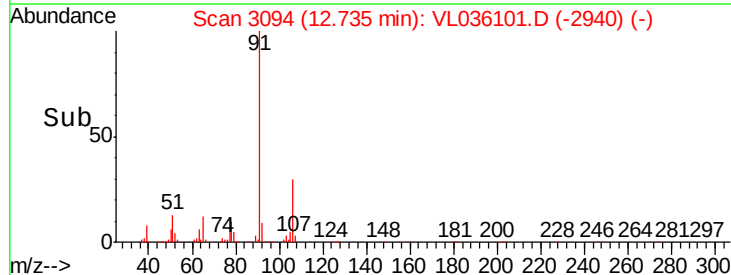
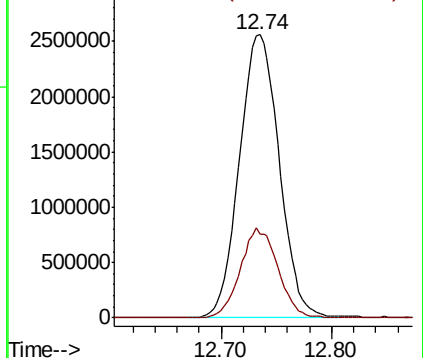


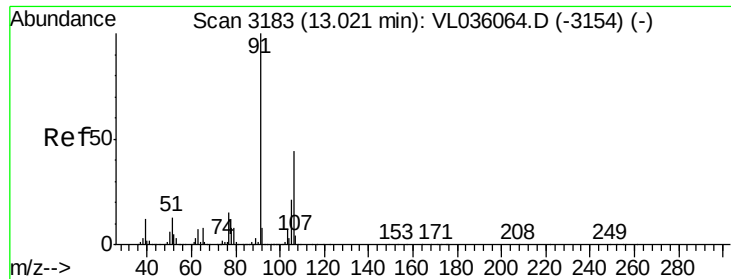
#58
Ethyl Benzene
Concen: 19.215 ppbv
RT: 12.74 min Scan# 3094
Delta R.T. -0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 91 Resp: 6382510
Ion Ratio Lower Upper
91 100
106 29.6 23.0 34.4



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

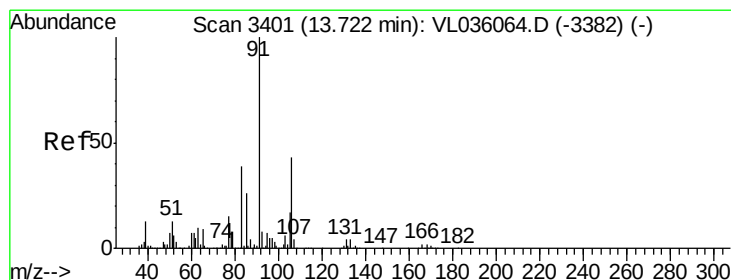
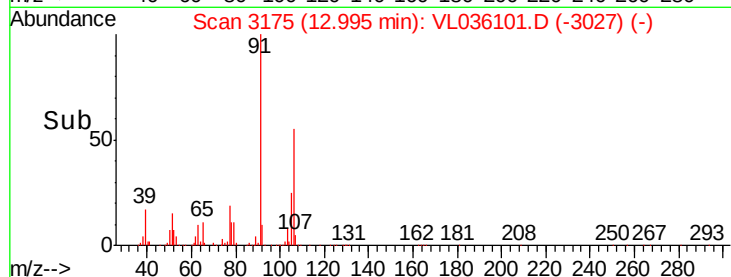
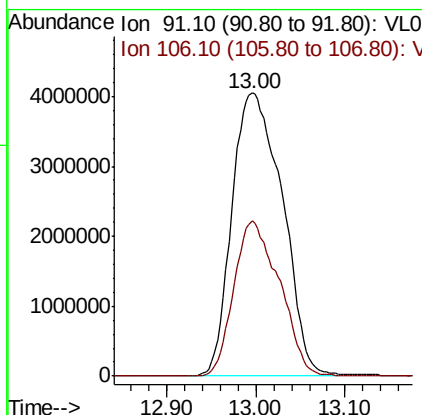
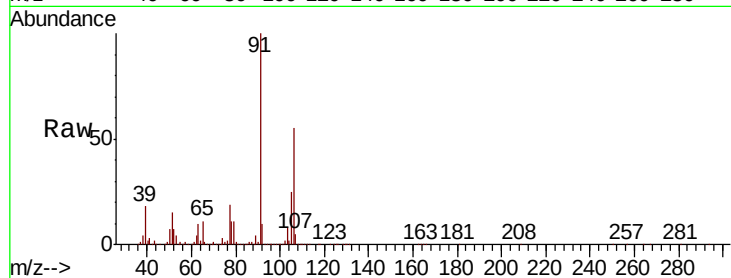




#59
m/p-Xylene
Concen: 56.503 ppbv
RT: 13.00 min Scan# 3175
Delta R.T. -0.03 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

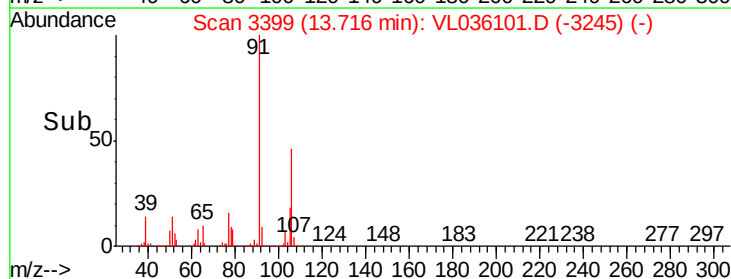
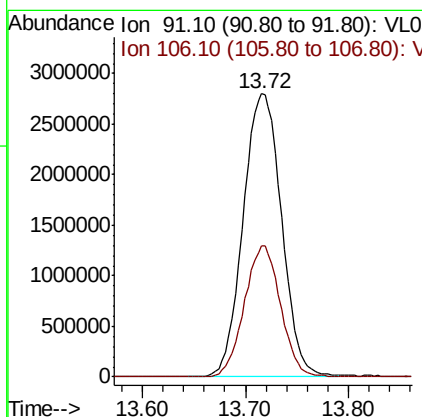
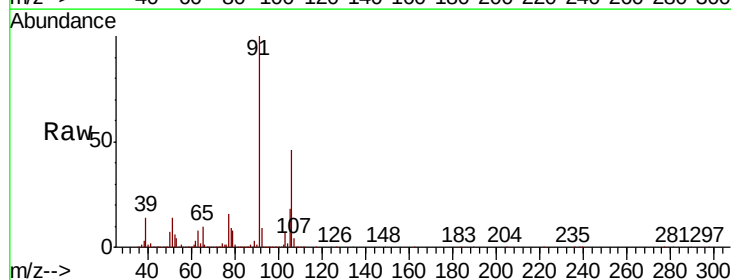
Instrument :
MSVOA_L
ClientSampled :
IA-1

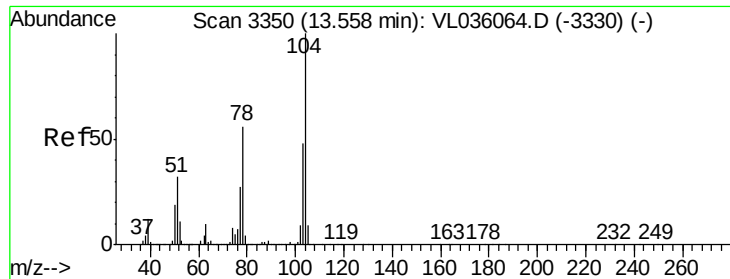
Tot Ion: 91 Resp:15807651
Ion Ratio Lower Upper
91 100
106 50.0 33.6 50.4



#60
o-Xylene
Concen: 27.399 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 91 Resp: 7222037
Ion Ratio Lower Upper
91 100
106 44.0 21.6 64.6

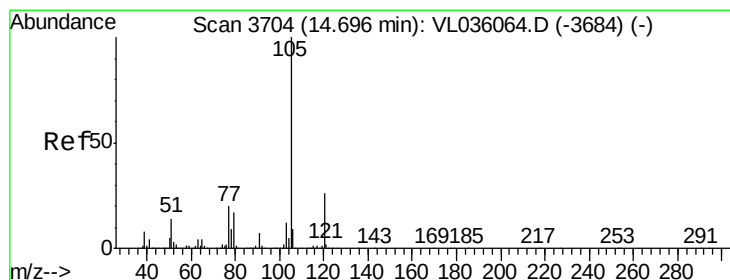
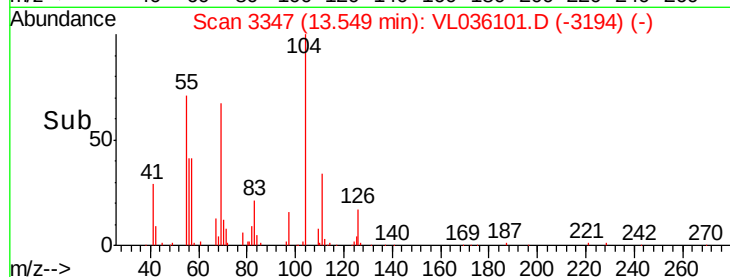
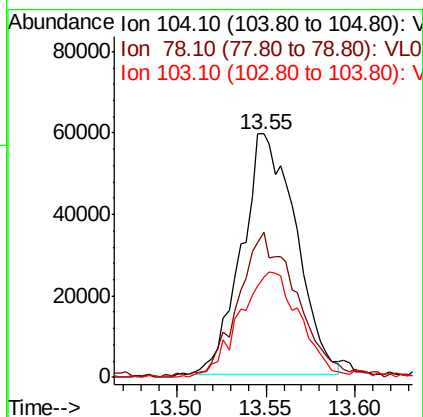
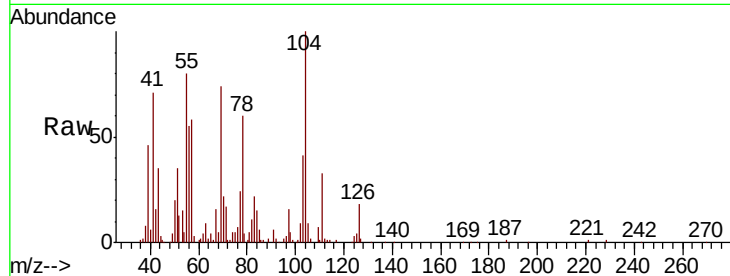




#61
Stvrene
Concen: 0.745 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

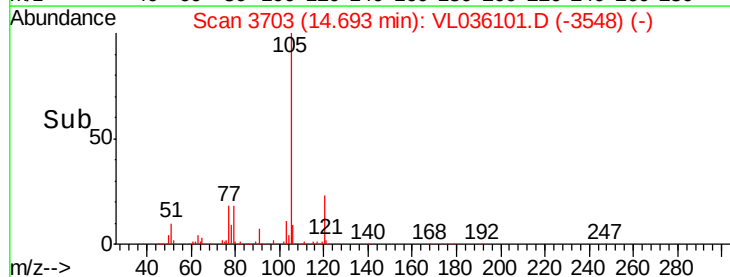
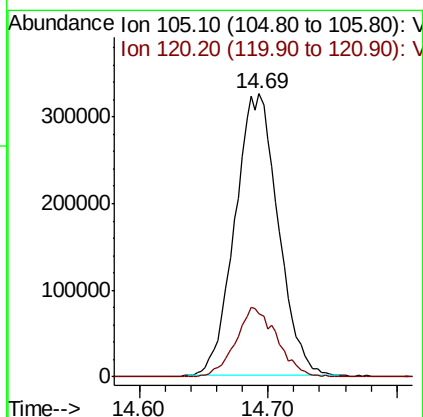
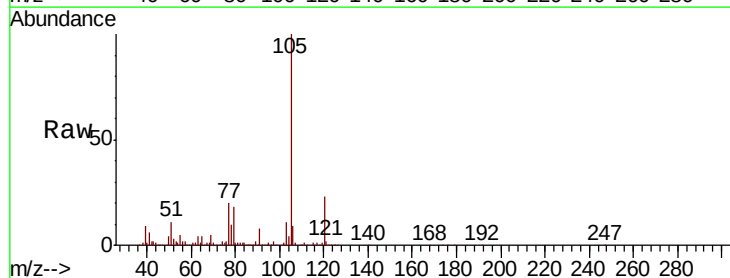
Instrument :
MSVOA_L
ClientSampleId :
IA-1

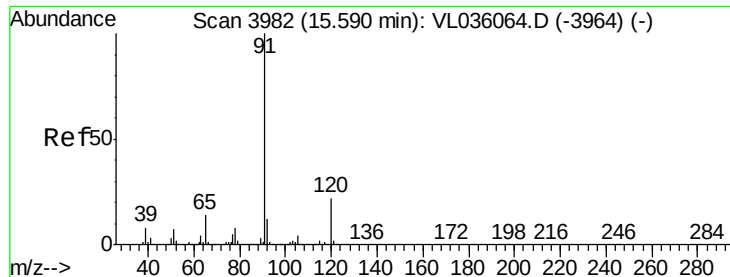
Tot Ion	Ratio	Lower	Upper
104	100		
78	63.2	45.8	68.8
103	50.1	38.6	57.8



#62
Isopropylbenzene
Concen: 1.939 ppbv
RT: 14.69 min Scan# 3703
Delta R.T. -0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
120	23.8	20.1	30.1





#64

n-propylbenzene

Concen: 7.262 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. -0.01 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

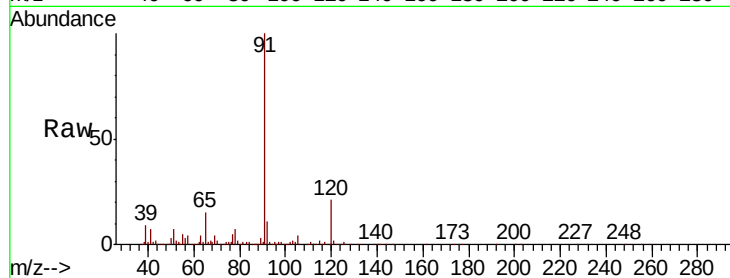
IA-1

Tot Ion:120 Resp: 682612

Ion Ratio Lower Upper

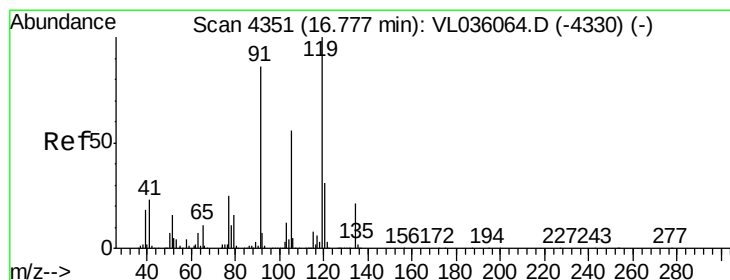
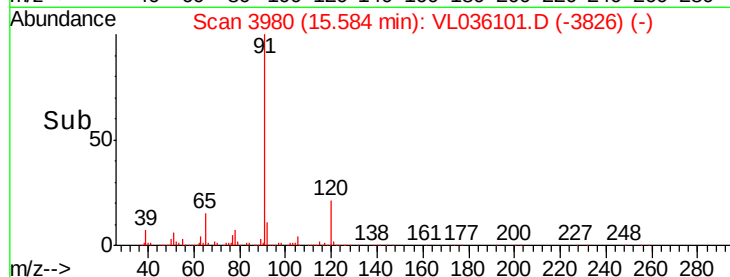
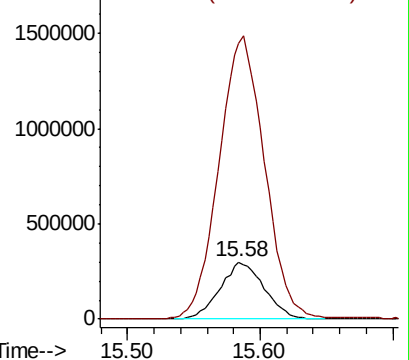
120 100

91 518.4 388.9 583.3



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 3.400 ppbv

RT: 16.79 min Scan# 4356

Delta R.T. 0.02 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

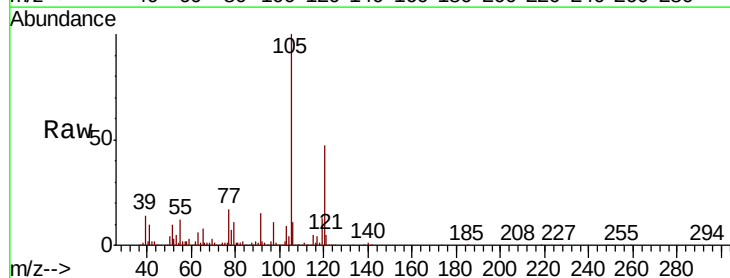
Tgt Ion:119 Resp: 1087499

Ion Ratio Lower Upper

119 100

91 116.6 70.2 105.2#

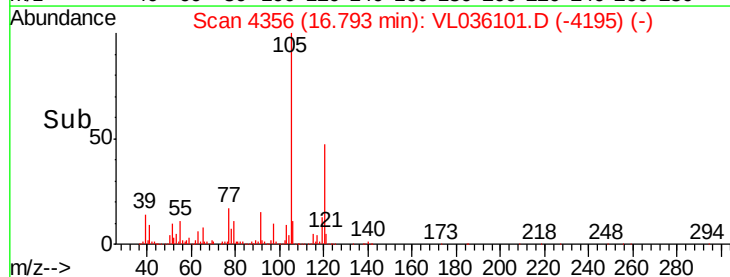
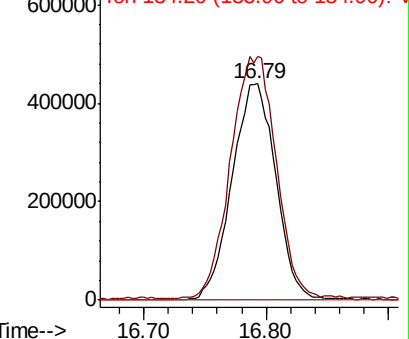
134 0.1 15.8 23.6#

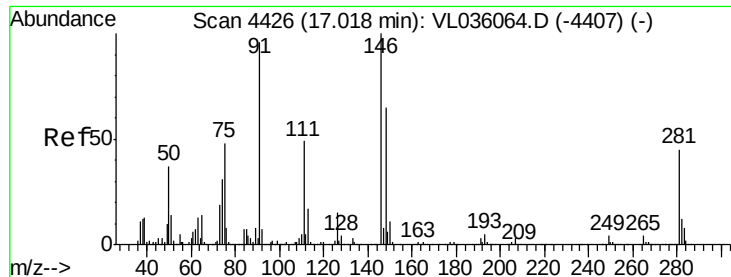


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

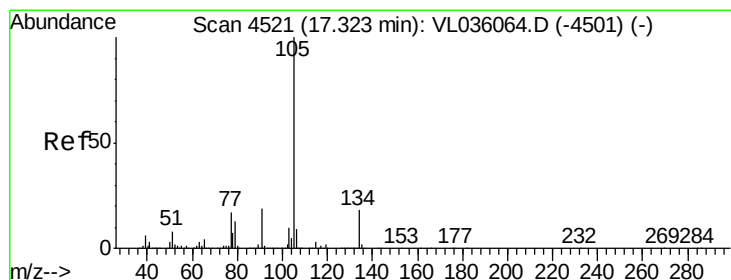
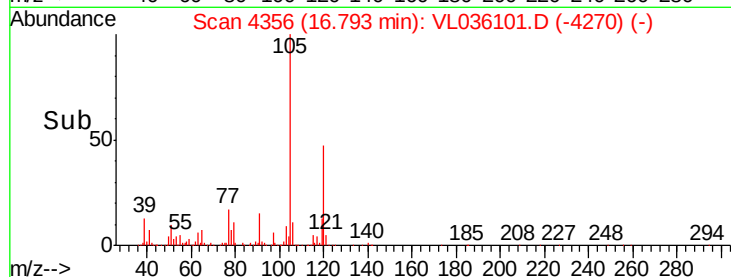
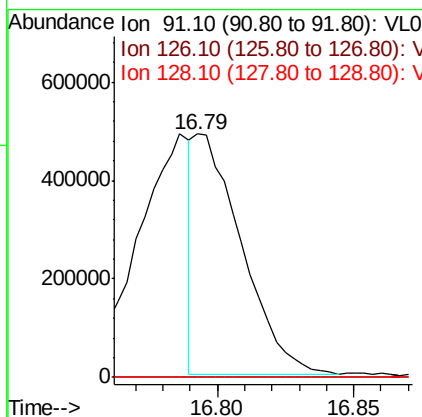
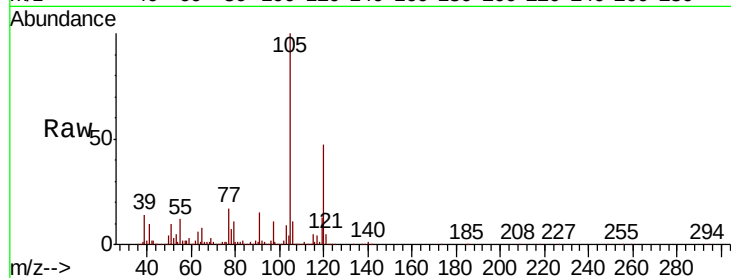




#66
Benzyl Chloride
Concen: 7.313 ppbv
RT: 16.79 min Scan# 4356
Delta R.T. -0.22 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

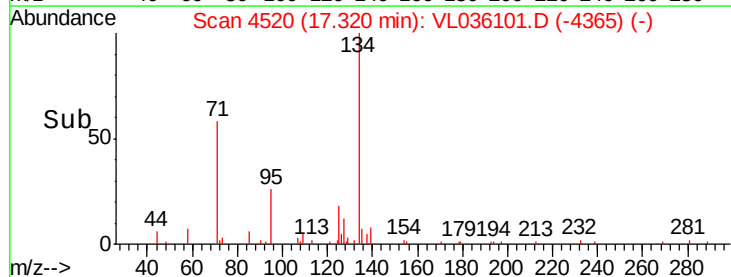
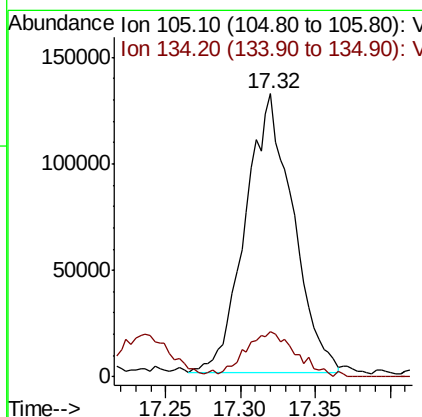
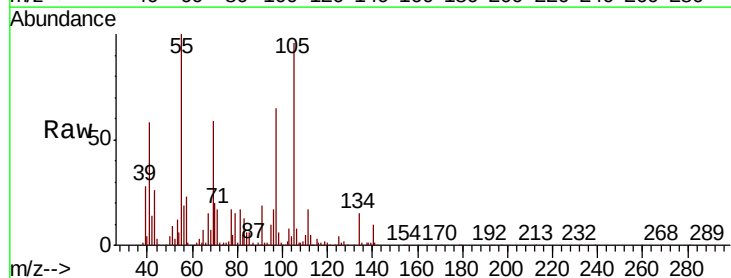
Instrument :
MSVOA_L
ClientSampleId :
IA-1

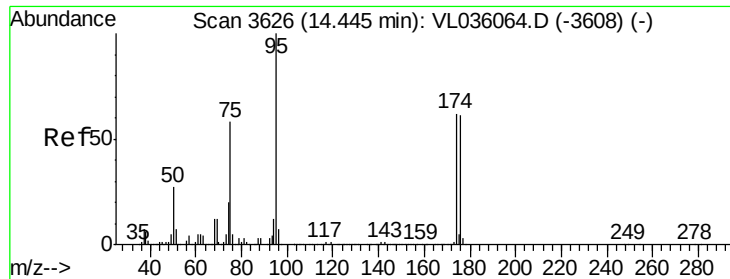
Tot Ion	Ratio	Lower	Upper
91	100		
126	0.3	13.5	20.3#
128	0.0	4.4	6.6#



#67
sec-Butylbenzene
Concen: 0.650 ppbv
RT: 17.32 min Scan# 4520
Delta R.T. -0.00 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion	Ratio	Lower	Upper
105	100		
134	18.0	14.2	21.4

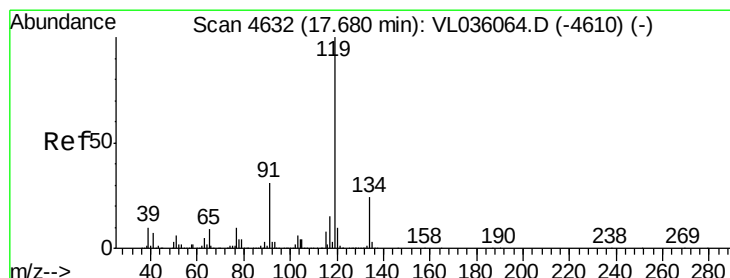
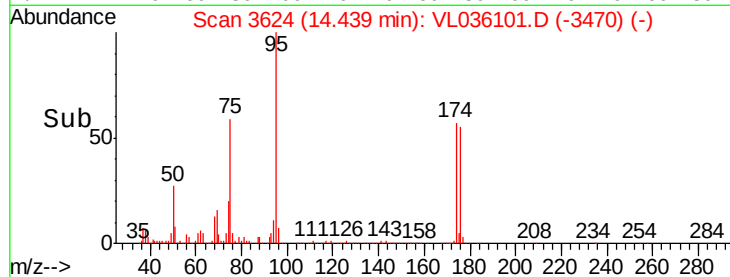
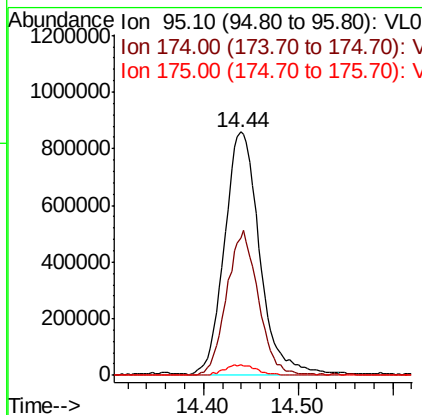
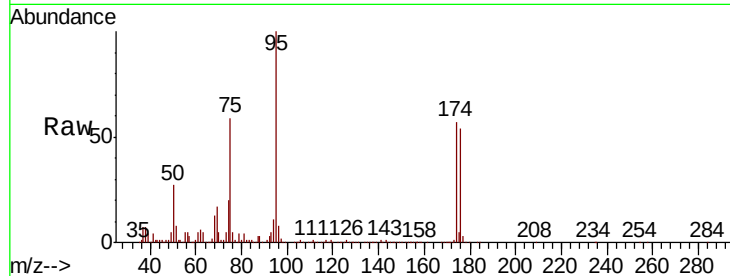




#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.430 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. -0.01 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

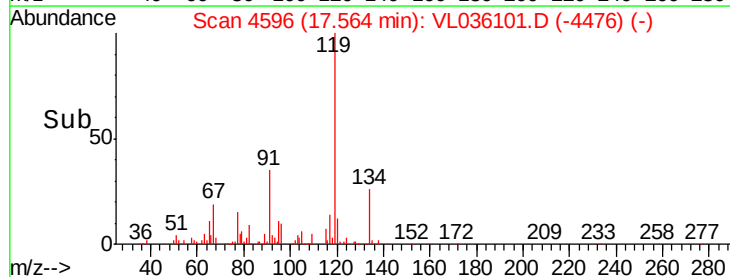
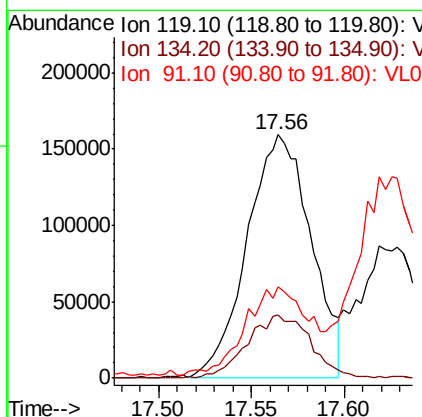
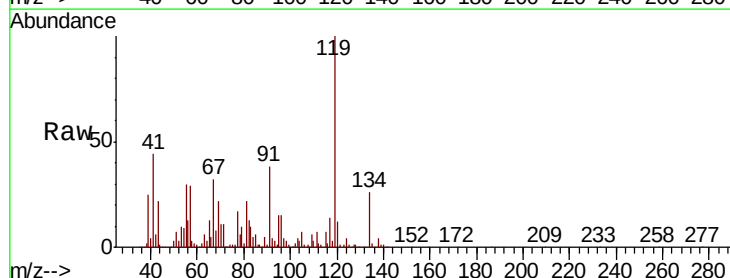
Instrument :
 MSVOA_L
 ClientSampled :
 IA-1

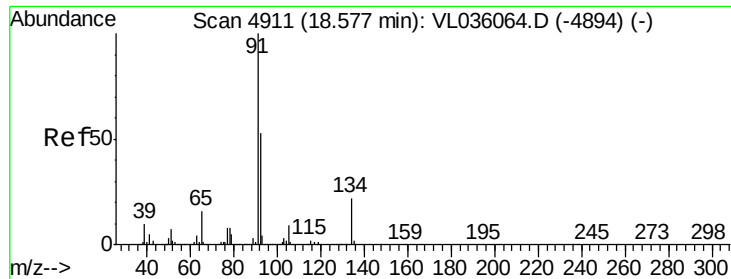
Tot Ion: 95 Resp: 2199885
 Ion Ratio Lower Upper
 95 100
 174 54.3 50.7 76.1
 175 4.1 4.0 6.0



#69
 p-Isopropyltoluene
 Concen: 1.068 ppbv
 RT: 17.56 min Scan# 4596
 Delta R.T. -0.12 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Tgt Ion: 119 Resp: 380126
 Ion Ratio Lower Upper
 119 100
 134 26.1 19.8 29.6
 91 38.0 25.8 38.6

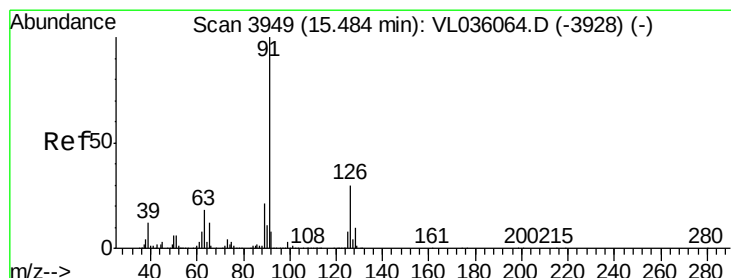
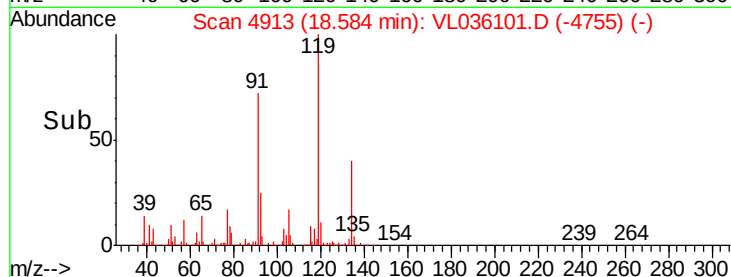
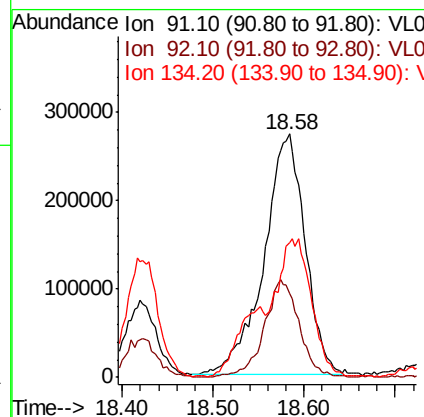
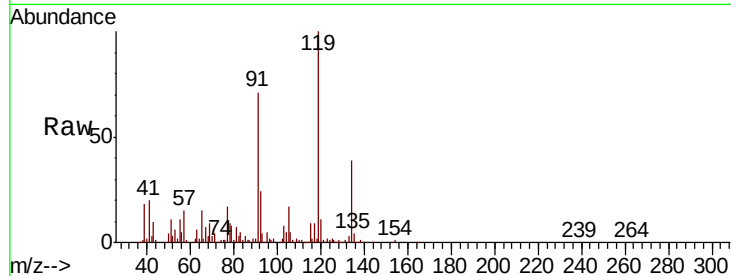




#70
n-Butylbenzene
Concen: 2.437 ppbv
RT: 18.58 min Scan# 4913
Delta R.T. 0.01 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

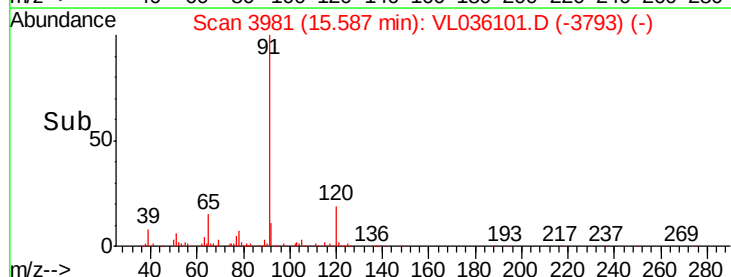
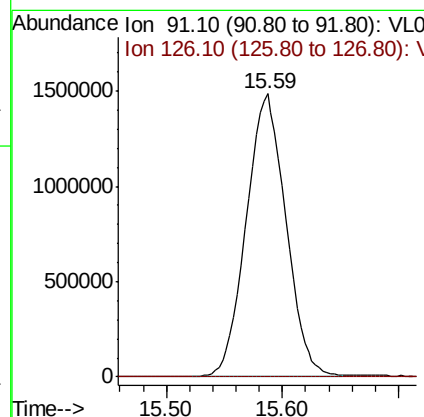
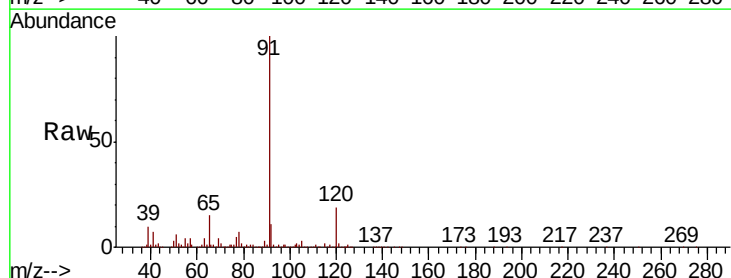
Instrument :
MSVOA_L
ClientSampled :
IA-1

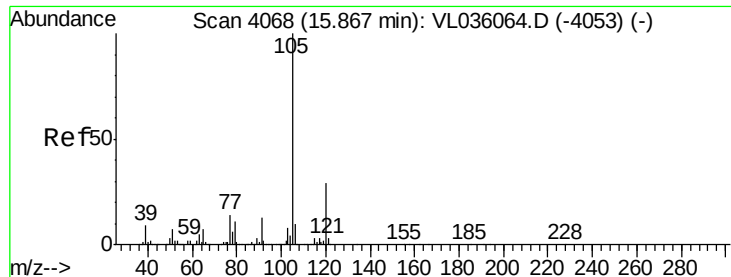
Tot Ion: 91 Resp: 857680
Ion Ratio Lower Upper
91 100
92 34.1 43.3 64.9#
134 67.5 17.1 25.7#



#71
2-Chlorotoluene
Concen: 11.981 ppbv
RT: 15.59 min Scan# 3981
Delta R.T. 0.10 min
Lab File: VL036101.D
Acq: 8 Dec 2020 19:09

Tgt Ion: 91 Resp: 3538461
Ion Ratio Lower Upper
91 100
126 0.3 11.6 46.4#





#72

4-Ethyltoluene

Concen: 13.152 ppbv

RT: 15.87 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampled :

IA-1

Tot Ion:105 Resp: 3755350

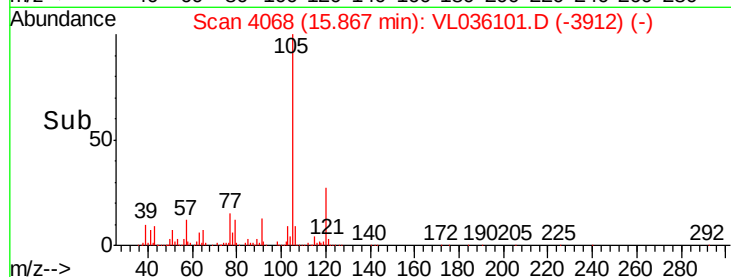
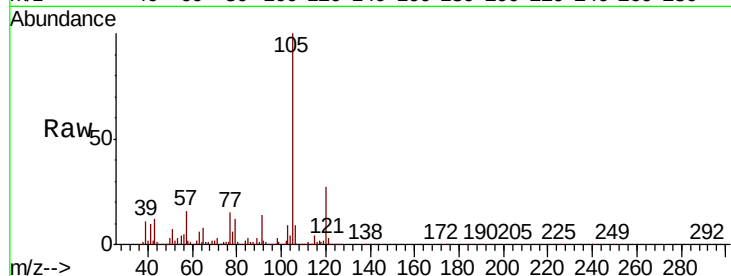
Ion	Ratio	Lower	Upper
105	100		
120	28.7	23.6	35.4
91	14.1	11.4	17.0
77	15.9	12.1	18.1

105 100

120 28.7 23.6 35.4

91 14.1 11.4 17.0

77 15.9 12.1 18.1

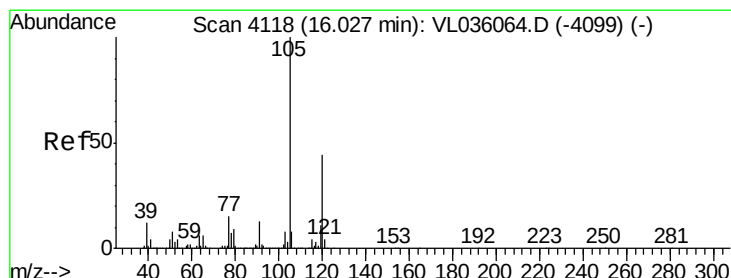
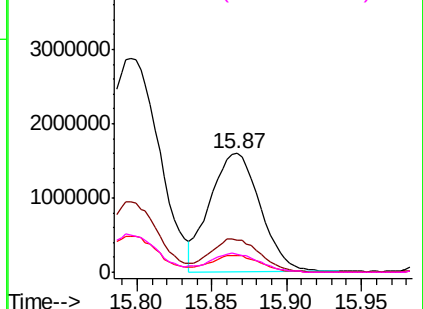


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 12.516 ppbv

RT: 16.02 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VL036101.D

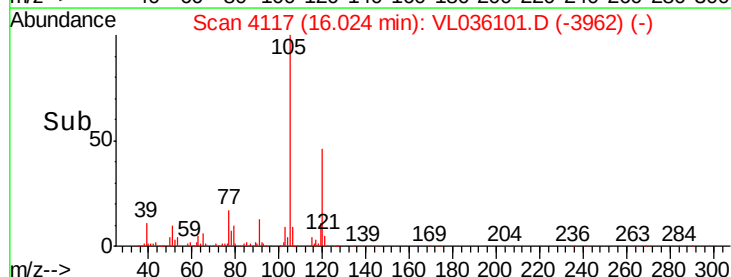
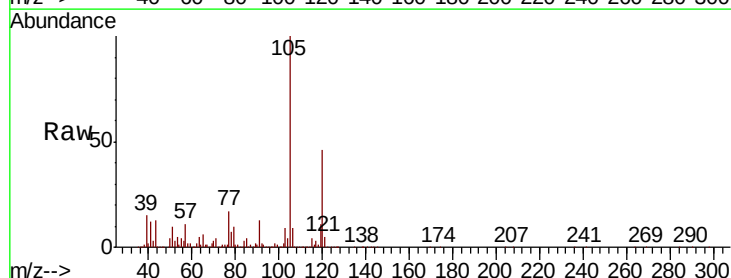
Acq: 8 Dec 2020 19:09

Tgt Ion:105 Resp: 3413255

Ion	Ratio	Lower	Upper
105	100		
120	46.0	35.4	53.2

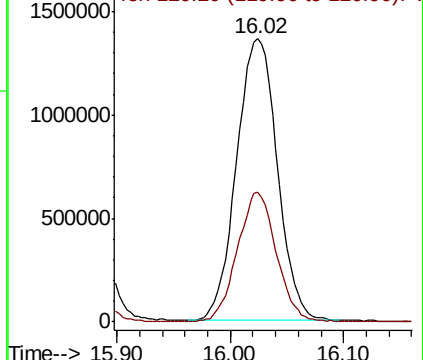
105 100

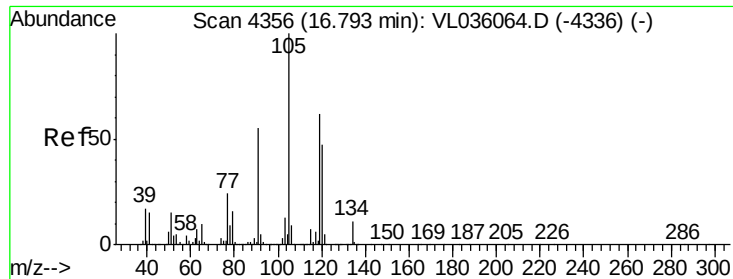
120 46.0 35.4 53.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

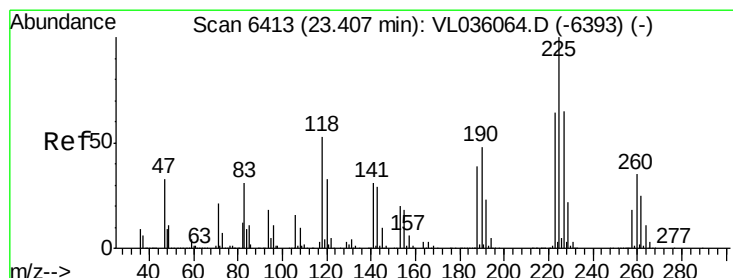
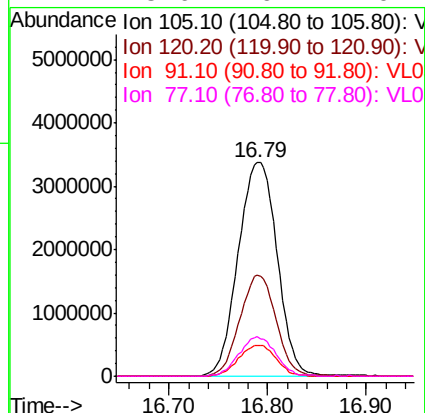
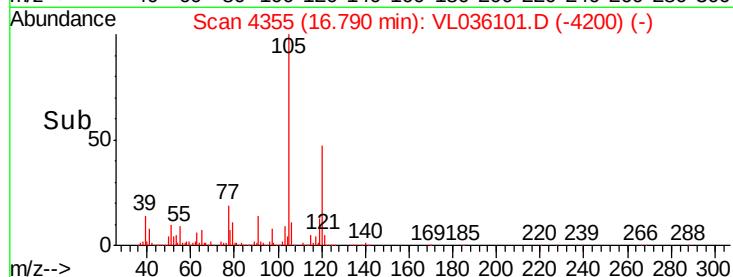
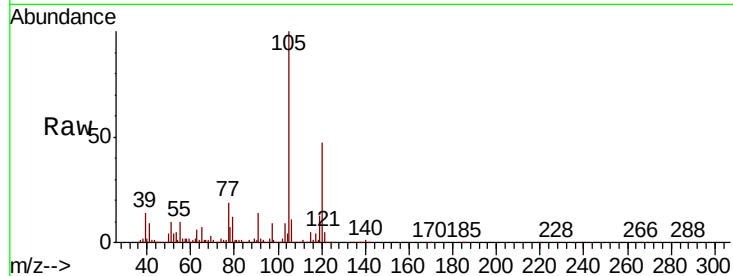




#74
 1,2,4-Trimethylbenzene
 Concen: 33.610 ppbv
 RT: 16.79 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

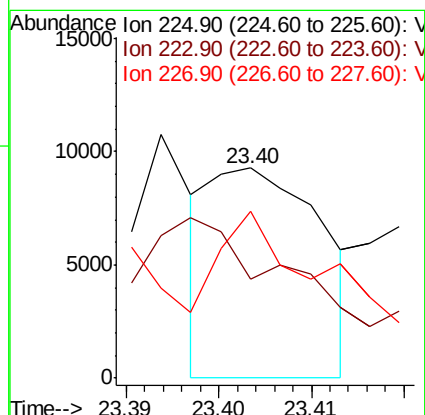
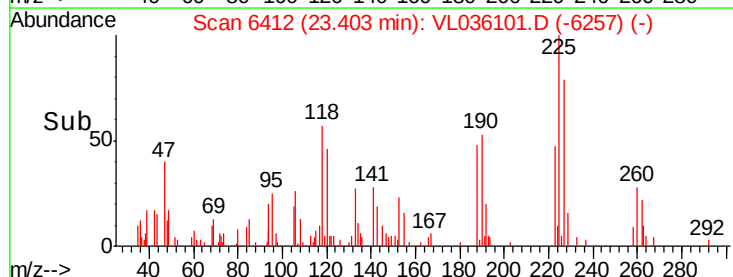
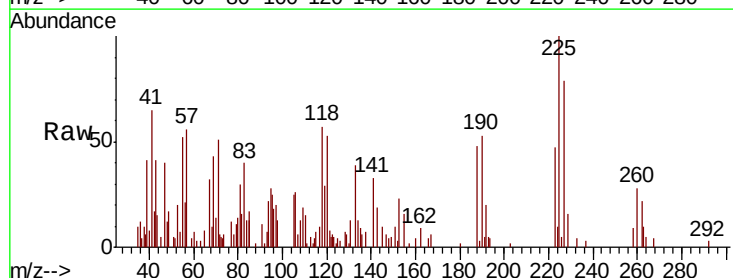
Instrument :
 MSVOA_L
 ClientSampleId :
 IA-1

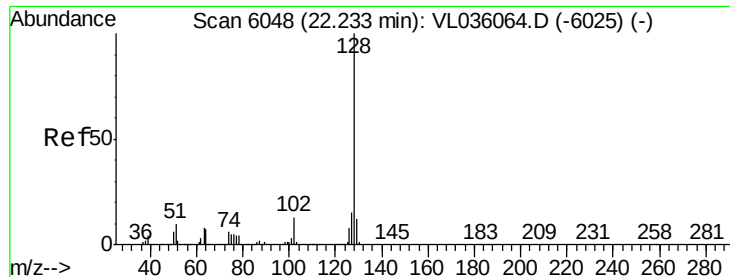
Tot Ion:105 Resp: 9200412
 Ion Ratio Lower Upper
 105 100
 120 47.1 37.4 56.0
 91 14.2 45.6 68.4#
 77 18.6 19.4 29.2#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.074 ppbv
 RT: 23.40 min Scan# 6412
 Delta R.T. -0.00 min
 Lab File: VL036101.D
 Acq: 8 Dec 2020 19:09

Tgt Ion:225 Resp: 7720
 Ion Ratio Lower Upper
 225 100
 223 0.0 51.1 76.7#
 227 183.5 51.7 77.5#





#79

Naphthalene

Concen: 3.254 ppbv

RT: 22.23 min Scan# 6047

Delta R.T. -0.00 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

IA-1

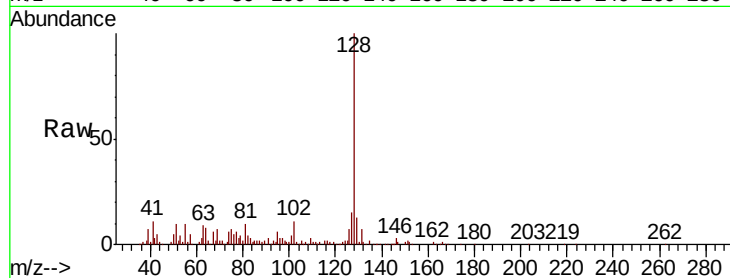
Tot Ion:128 Resp: 452710

Ion	Ratio	Lower	Upper
128	100		
127	15.2	11.7	17.5
129	12.9	9.3	13.9

128 100

127 15.2 11.7 17.5

129 12.9 9.3 13.9

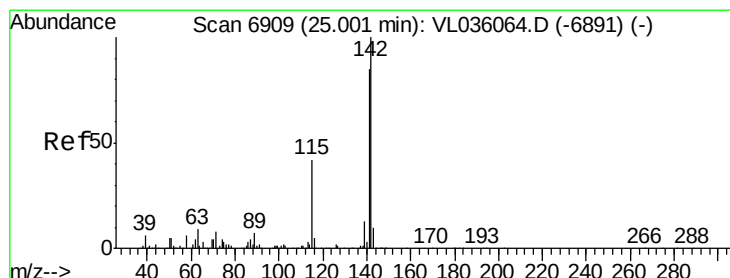
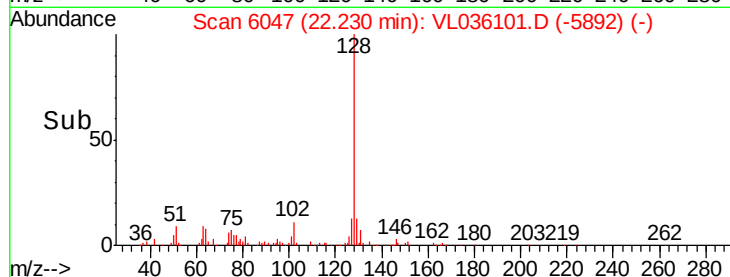
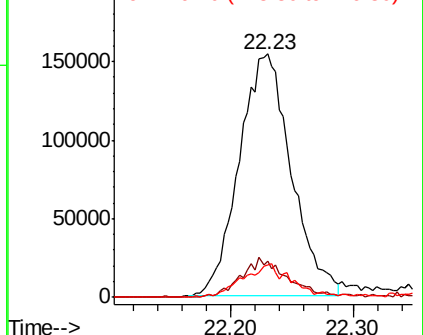


Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 2.326 ppbv

RT: 25.00 min Scan# 6907

Delta R.T. -0.01 min

Lab File: VL036101.D

Acq: 8 Dec 2020 19:09

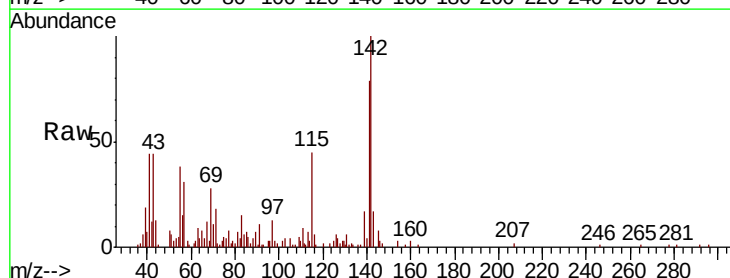
Tgt Ion:142 Resp: 72361

Ion	Ratio	Lower	Upper
142	100		
141	92.1	64.3	96.5
115	47.0	33.9	50.9

142 100

141 92.1 64.3 96.5

115 47.0 33.9 50.9



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

