

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037068.D
 Acq On : 1 Jun 2021 13:49
 Operator : SY/AP
 Sample : M2559-01 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 02:59:50 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1622693	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4846389	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4553274	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3595861	10.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	14259	0.052	ppbv #	86
3) Chlorodifluoromethane	2.98	51	16171	0.054	ppbv	93
4) Chloromethane	3.13	50	15020	0.148	ppbv #	79
9) Propene	3.01	41	97044	0.912	ppbv #	82
10) Heptane	8.11	43	8261320	31.141	ppbv	97
11) Trichlorofluoromethane	3.93	101	18243	0.072	ppbv	87
13) Ethanol	3.59	45	429062	30.209	ppbv	66
15) Acetone	3.83	43	4468700	26.886	ppbv	91
16) 1,3-Butadiene	3.29	39	62787	0.608	ppbv #	31
17) tert-Butyl alcohol	4.29	59	261544	1.718	ppbv	97
19) Isopropyl Alcohol	3.96	45	200306	2.242	ppbv #	1
20) Methylene Chloride	4.33	84	252374	2.833	ppbv	96
21) Allyl Chloride	4.35	41	113644	0.906	ppbv #	44
23) Vinyl Acetate	5.03	43	251088	0.952	ppbv #	1
25) Ethyl Acetate	5.67	43	844651	2.115	ppbv #	80
26) Hexane	5.67	57	1107700	5.429	ppbv #	49
27) Carbon Disulfide	4.54	76	102557	0.499	ppbv #	88
29) Chloroform	5.74	83	32979	0.114	ppbv	99
30) Cyclohexane	7.11	84	404013	2.330	ppbv	90
34) 2-Butanone	5.23	43	251421	1.425	ppbv #	88
36) Benzene	6.87	78	1181819	2.831	ppbv	98
39) 1,2-Dichloropropane	7.48	63	23908	0.149	ppbv #	1
41) Tetrahydrofuran	5.96	42	9907	0.099	ppbv #	39
42) Bromodichloromethane	7.78	83	372120	1.188	ppbv #	26
43) Methyl Methacrylate	7.97	69	18488	0.128	ppbv #	1
44) 2,2,4-Trimethylpentane	7.86	57	1124367	1.570	ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	378784	1.301	ppbv #	36
51) 2-Hexanone	10.11	43	79222	0.515	ppbv #	98
53) Toluene	9.79	91	17138861	34.505	ppbv	87
58) Ethyl Benzene	12.69	91	2594334	4.037	ppbv	98
59) m/p-Xylene	12.95	91	7144181	13.449	ppbv	97
60) o-Xylene	13.67	91	2464362	4.864	ppbv	99
61) Styrene	13.50	104	188621	0.661	ppbv	96
62) Isopropylbenzene	14.64	105	2244864	3.083	ppbv	98
64) n-propylbenzene	15.54	120	92016	0.490	ppbv #	1
65) tert-Butylbenzene	16.74	119	165276	0.252	ppbv #	1
66) Benzyl Chloride	16.82	91	34471	0.946	ppbv #	63
67) sec-Butylbenzene	17.28	105	39548	0.044	ppbv #	47
69) p-Isopropyltoluene	17.63	119	1600964	2.077	ppbv	96
70) n-Butylbenzene	18.53	91	246035	0.336	ppbv #	52
71) 2-Chlorotoluene	15.54	91	824642	1.568	ppbv #	42

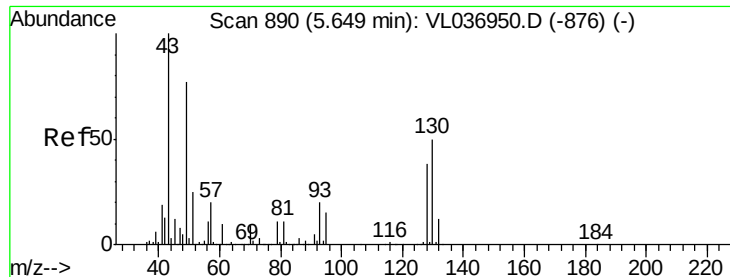
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
Data File : VL037068.D
Acq On : 1 Jun 2021 13:49
Operator : SY/AP
Sample : M2559-01 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Jun 02 02:59:50 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.82	105	1051873	1.749	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	644893	1.142	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	2498102	4.279	ppbv #	71
79) Naphthalene	22.17	128	26684	0.058	ppbv #	86
80) Naphthalene,2-methyl-	24.94	142	11603	0.116	ppbv	93

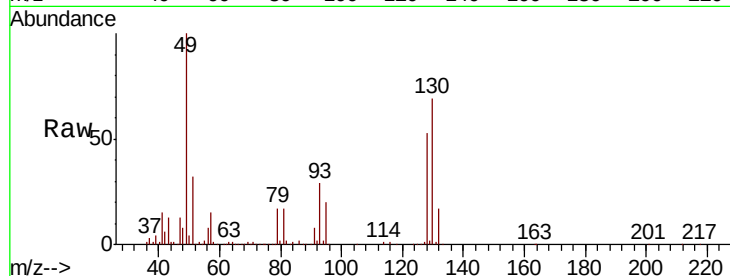
(#) = qualifier out of range (m) = manual integration (+) = signals summed



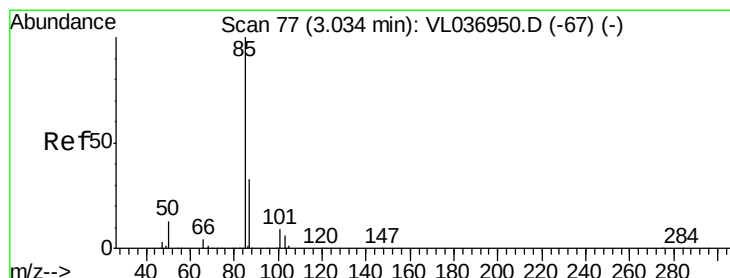
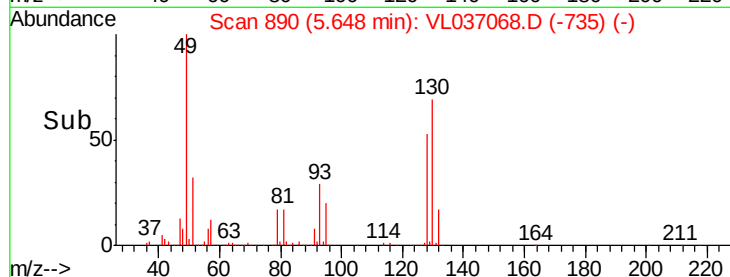
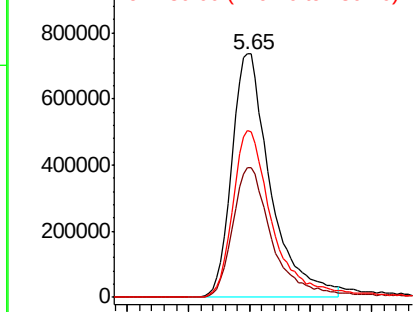
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 890
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 49 Resp: 1622693
 Ion Ratio Lower Upper
 49 100
 128 55.6 26.9 80.7
 130 72.3 33.8 101.4

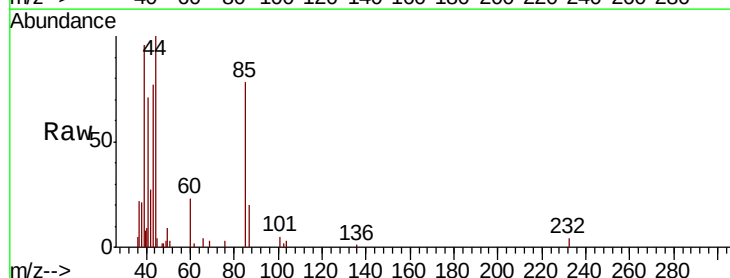


Abundance Ion 49.10 (48.80 to 49.80): VL0
 1000000 Ion 128.00 (127.70 to 128.70): VL0
 Ion 130.00 (129.70 to 130.70): VL0

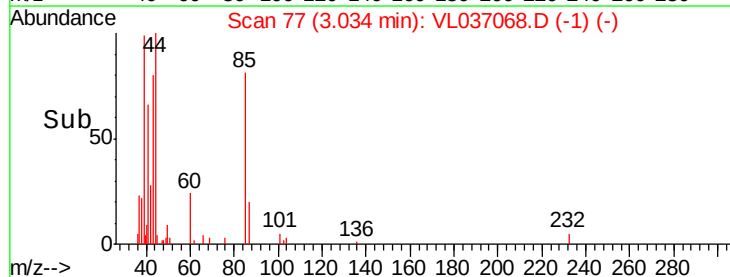
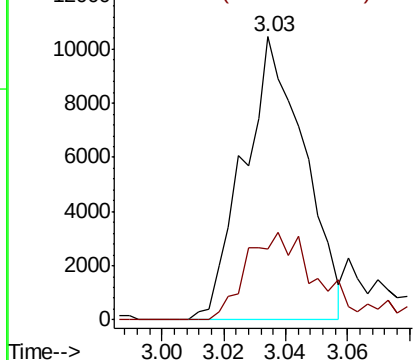


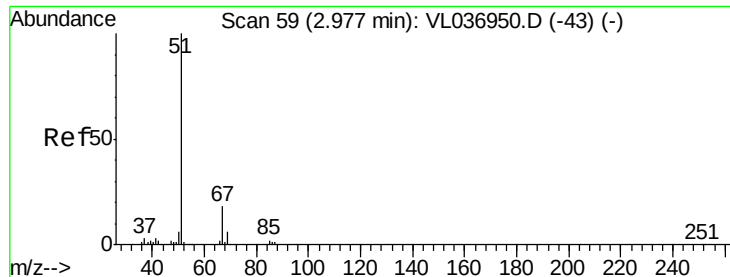
#2
 Dichlorodifluoromethane
 Concen: 0.052 ppbv
 RT: 3.03 min Scan# 77
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion: 85 Resp: 14259
 Ion Ratio Lower Upper
 85 100
 87 25.2 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0
 12000 Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.054 ppbv

RT: 2.98 min Scan# 60

Delta R.T. 0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

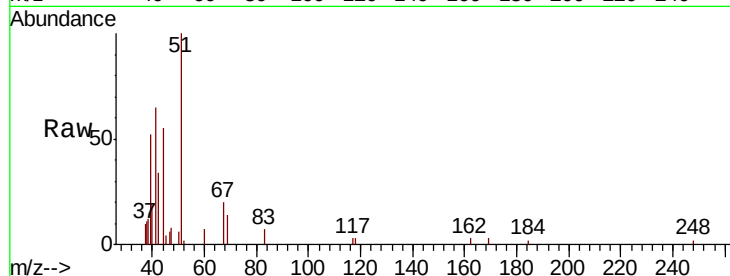
ClientSampleId :

Tot Ion: 51 Resp: 16171

Ion Ratio Lower Upper

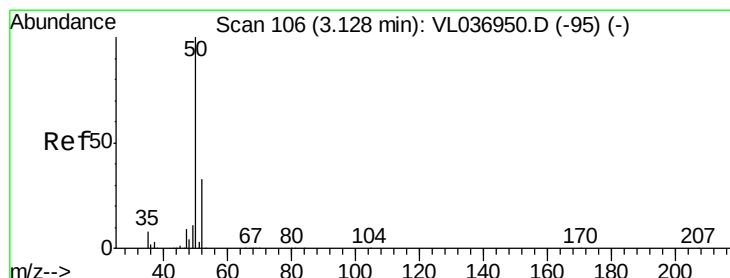
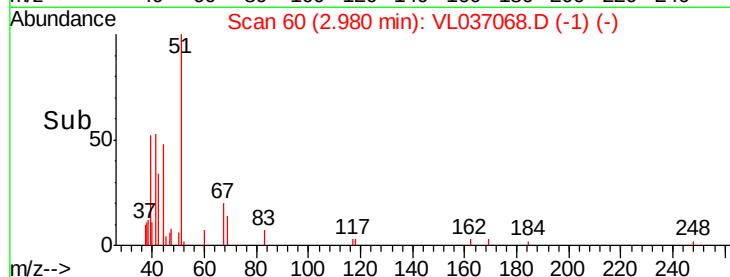
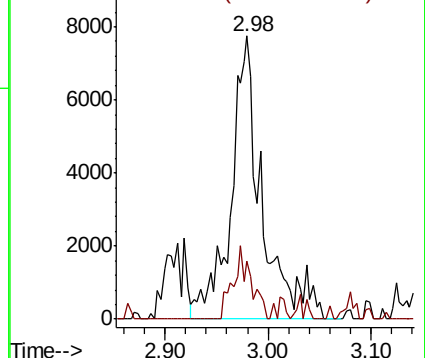
51 100

67 15.3 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.148 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037068.D

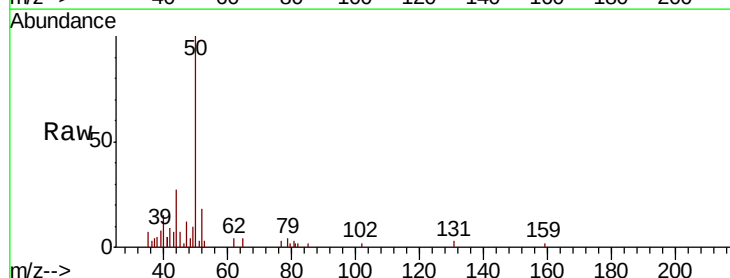
Acq: 1 Jun 2021 13:49

Tgt Ion: 50 Resp: 15020

Ion Ratio Lower Upper

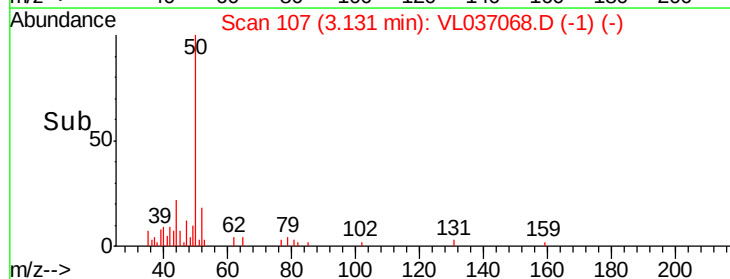
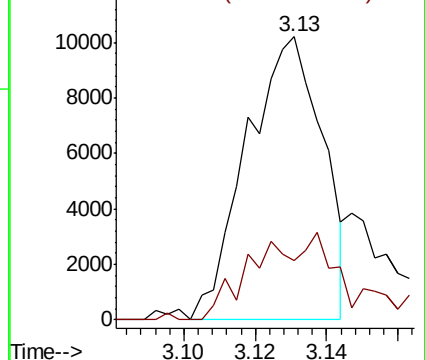
50 100

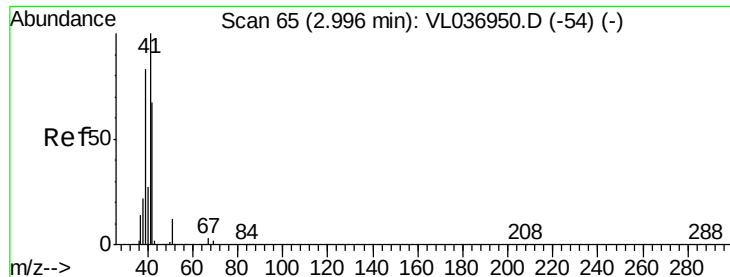
52 20.9 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.912 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

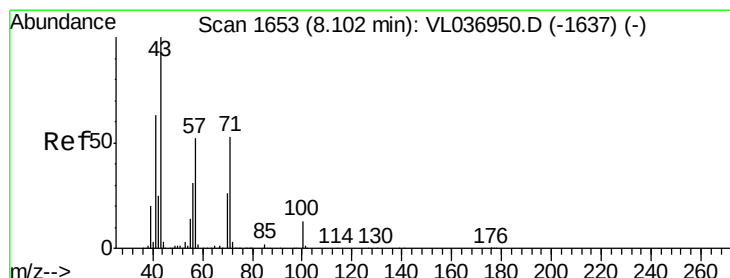
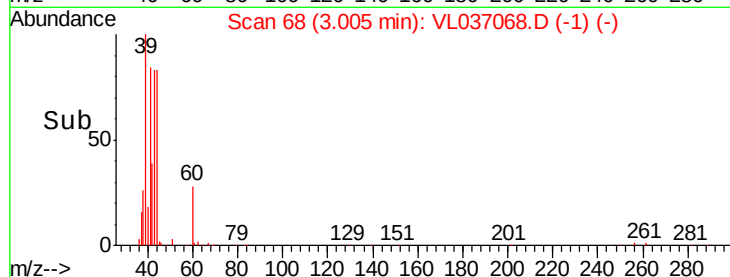
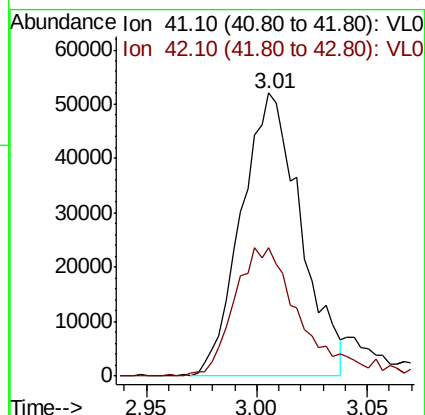
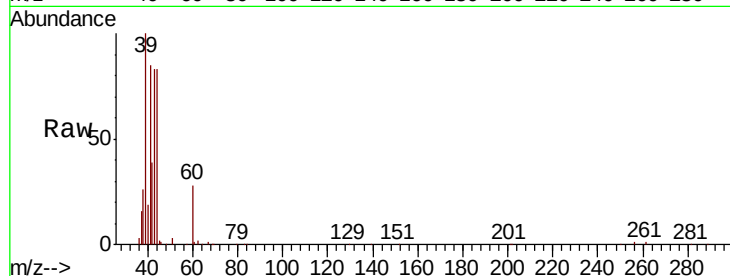
ClientSampled :

Tot Ion: 41 Resp: 97044

Ion Ratio Lower Upper

41 100

42 52.6 53.9 80.9#



#10

Heptane

Concen: 31.141 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037068.D

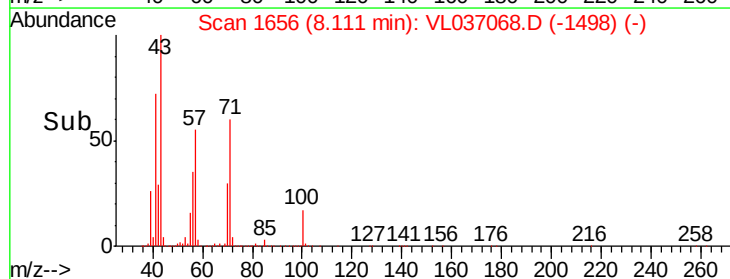
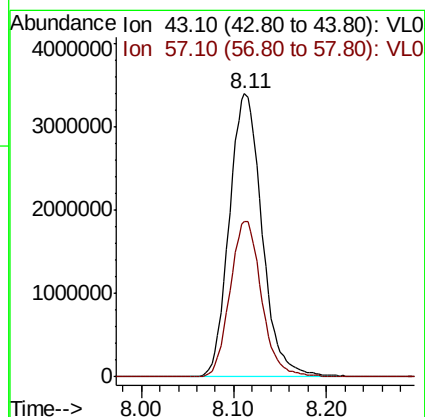
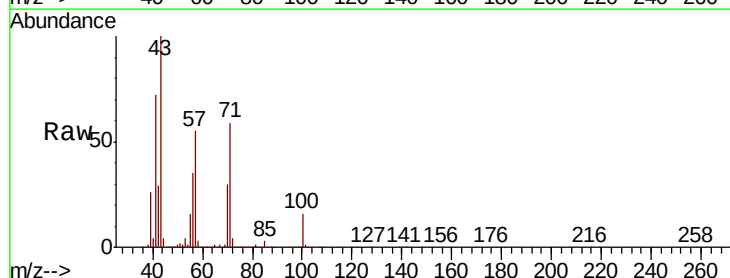
Acq: 1 Jun 2021 13:49

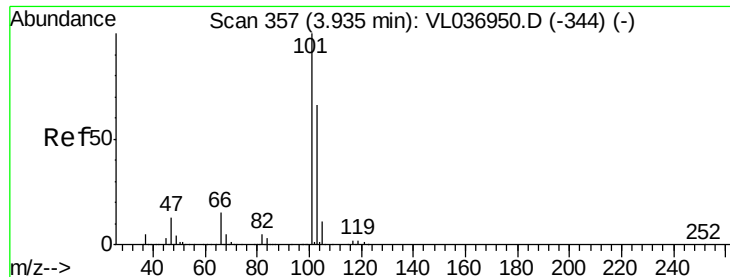
Tgt Ion: 43 Resp: 8261320

Ion Ratio Lower Upper

43 100

57 53.5 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.072 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

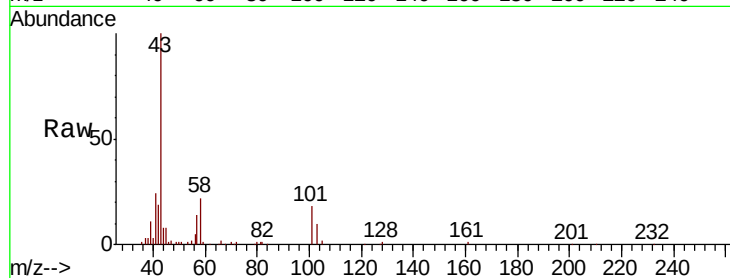
ClientSampleId :

Tot Ion:101 Resp: 18243

Ion Ratio Lower Upper

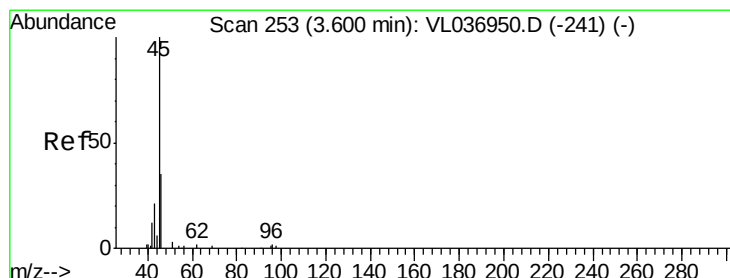
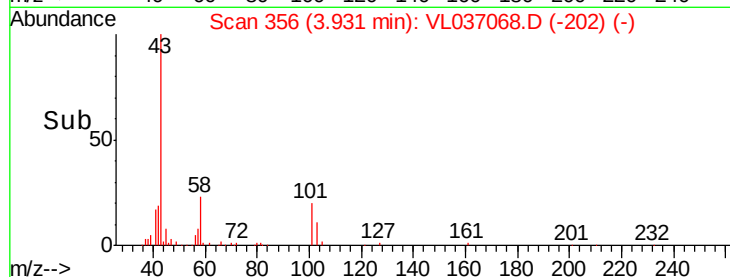
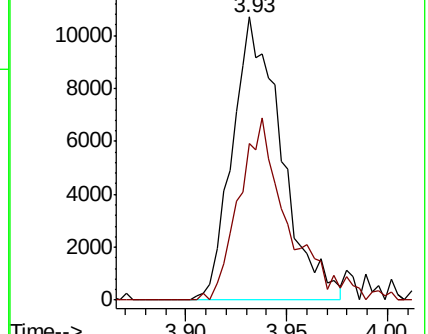
101 100

103 55.2 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 30.209 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL037068.D

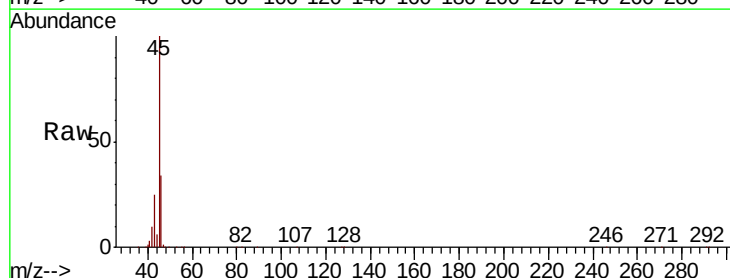
Acq: 1 Jun 2021 13:49

Tgt Ion: 45 Resp: 429062

Ion Ratio Lower Upper

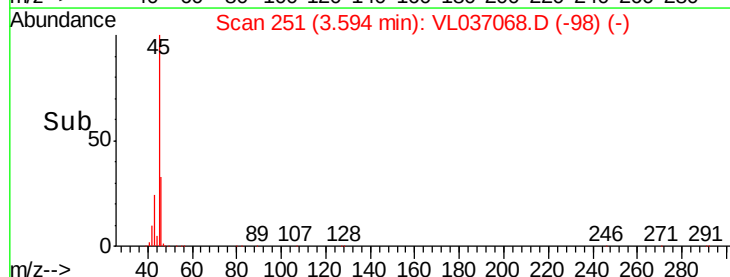
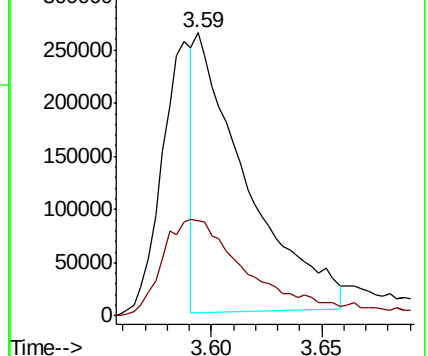
45 100

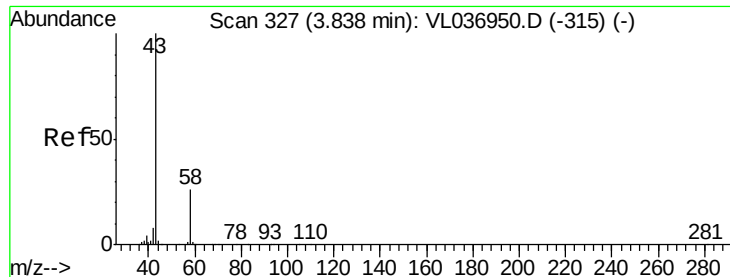
46 62.1 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 26.886 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

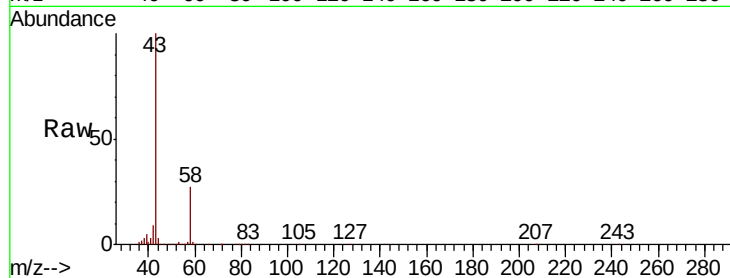
ClientSampleId :

Tot Ion: 43 Resp: 4468700

Ion Ratio Lower Upper

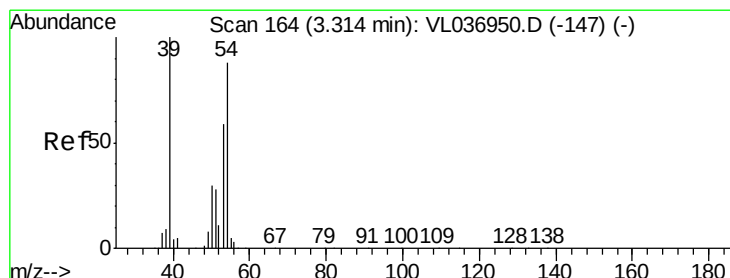
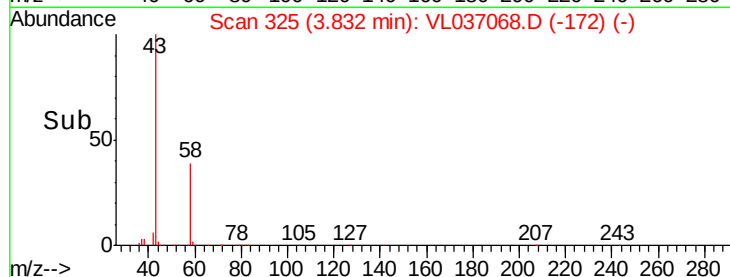
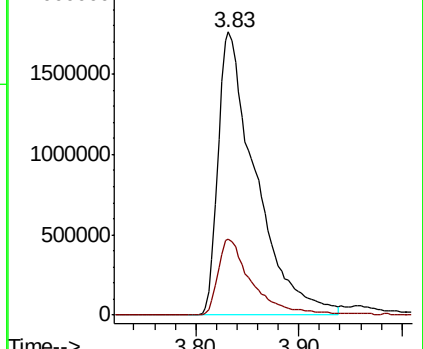
43 100

58 25.2 24.0 36.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.608 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.02 min

Lab File: VL037068.D

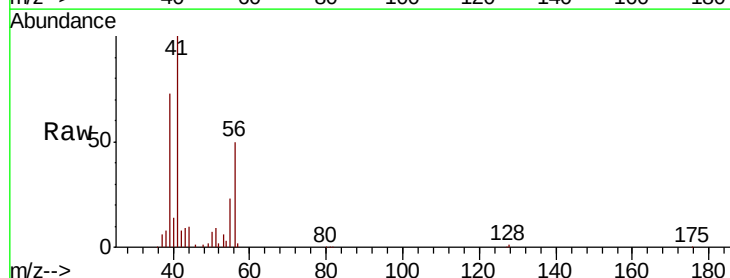
Acq: 1 Jun 2021 13:49

Tgt Ion: 39 Resp: 62787

Ion Ratio Lower Upper

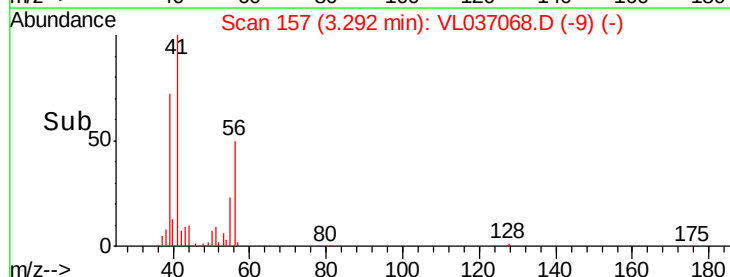
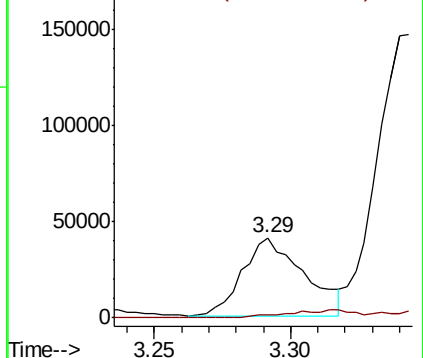
39 100

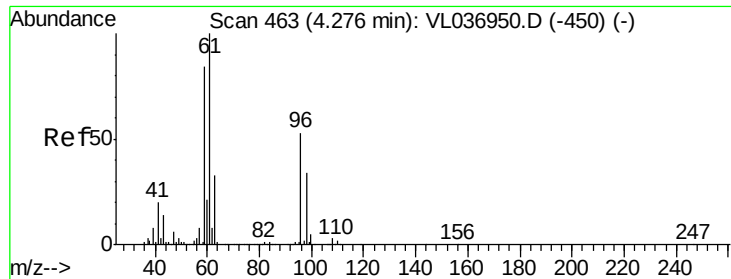
54 18.8 63.2 94.8#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

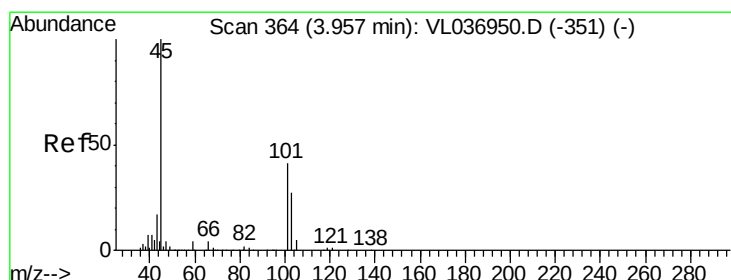
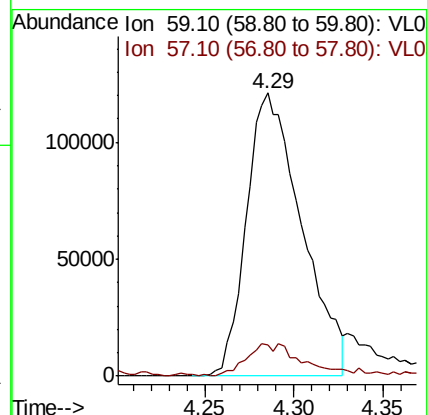
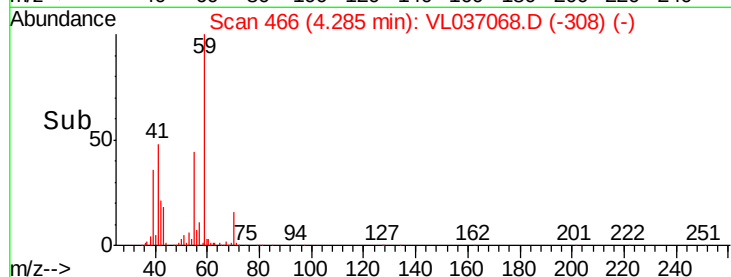
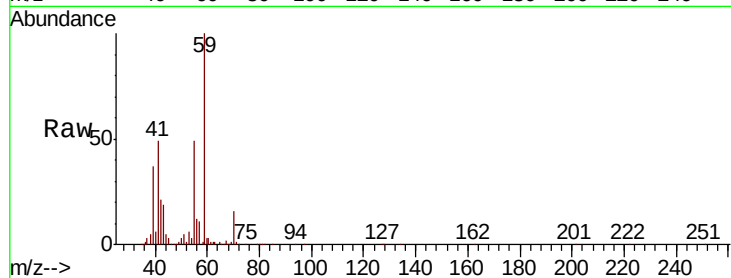




#17
tert-Butyl alcohol
Concen: 1.718 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.01 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

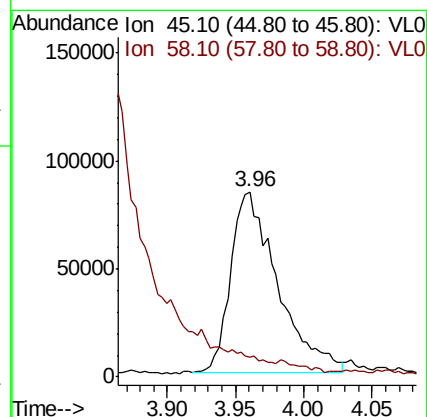
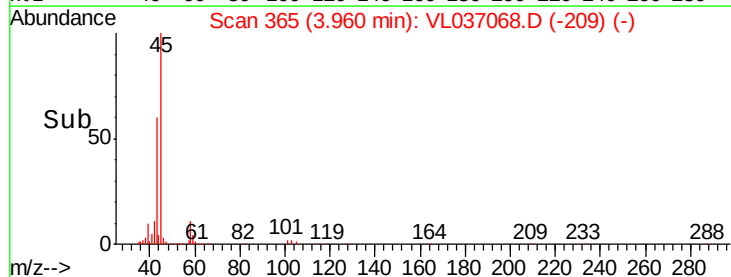
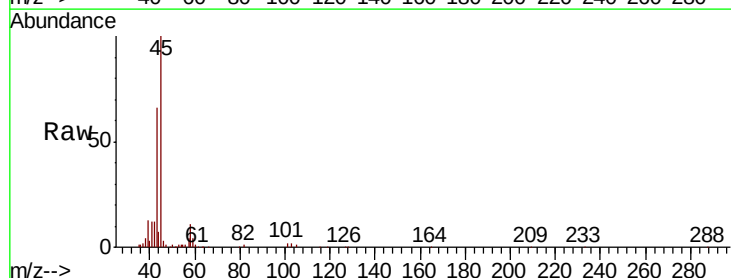
Instrument :
MSVOA_L
ClientSampled :

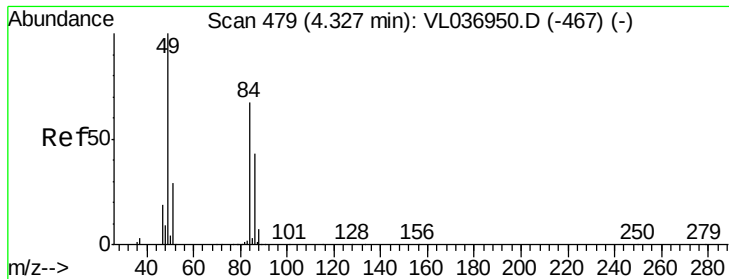
Tot Ion: 59 Resp: 261544
Ion Ratio Lower Upper
59 100
57 11.6 8.3 12.5



#19
Isopropyl Alcohol
Concen: 2.242 ppbv
RT: 3.96 min Scan# 365
Delta R.T. 0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 45 Resp: 200306
Ion Ratio Lower Upper
45 100
58 565.2 37.2 55.8#

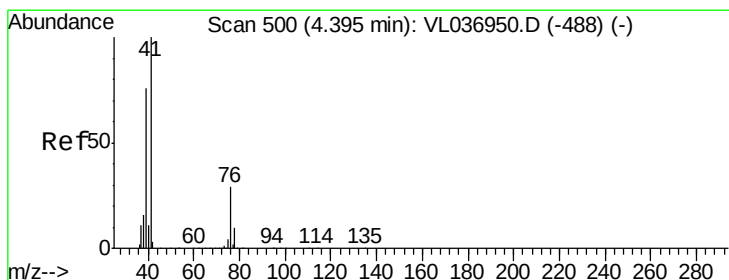
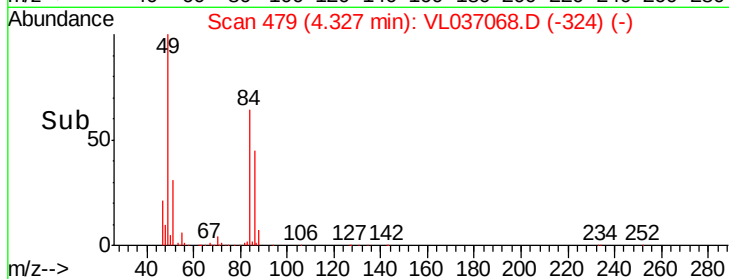
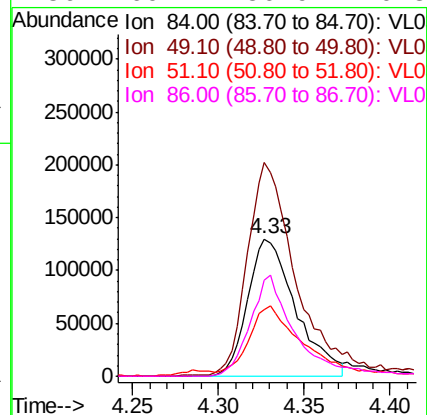
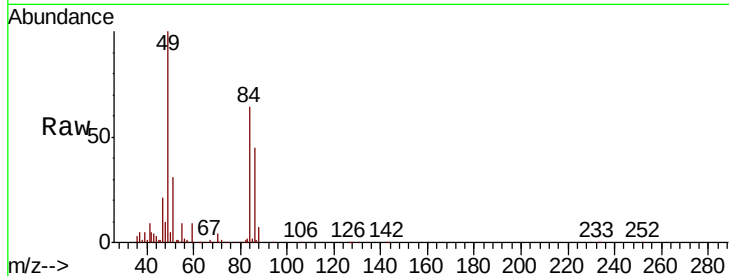




#20
Methylene Chloride
Concen: 2.833 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

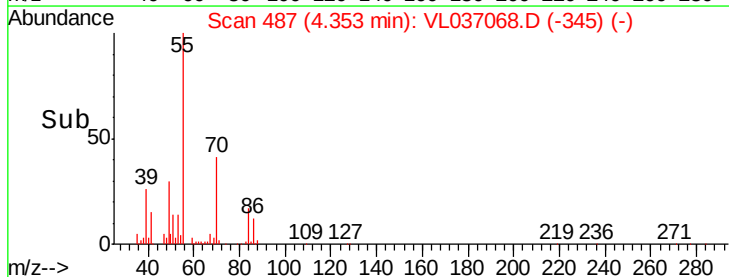
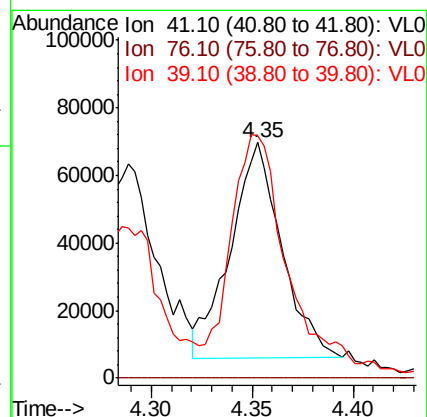
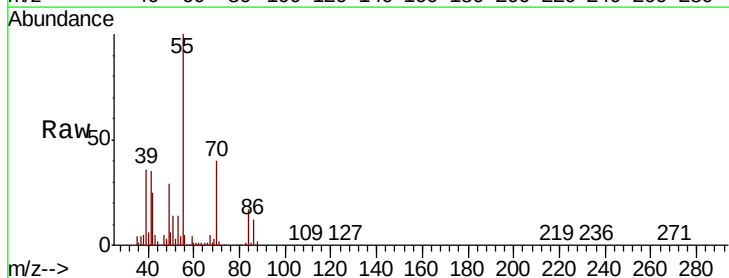
Instrument :
MSVOA_L
ClientSampleId :

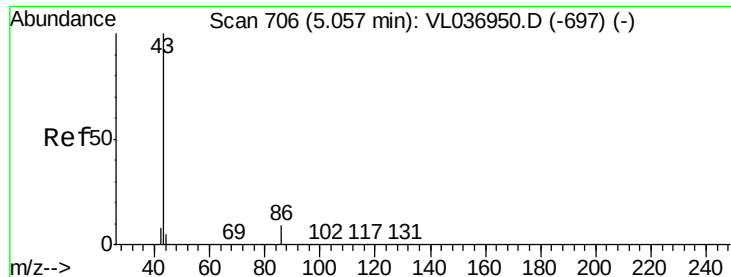
Tot Ion: 84 Resp: 252374
Ion Ratio Lower Upper
84 100
49 154.6 119.8 179.6
51 43.9 35.1 52.7
86 69.4 50.9 76.3



#21
Allyl Chloride
Concen: 0.906 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.04 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 41 Resp: 113644
Ion Ratio Lower Upper
41 100
76 0.0 24.9 37.3#
39 128.1 63.7 95.5#





#23

Vinyl Acetate

Concen: 0.952 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.02 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 43 Resp: 251088

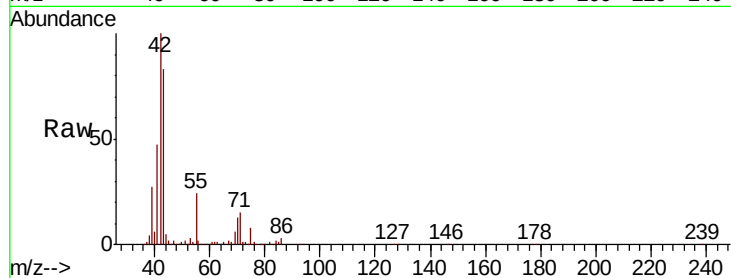
Ion Ratio Lower Upper

43 100

86 3.8 5.8 8.8#

42 122.2 7.4 11.2#

44 3.2 3.3 4.9#

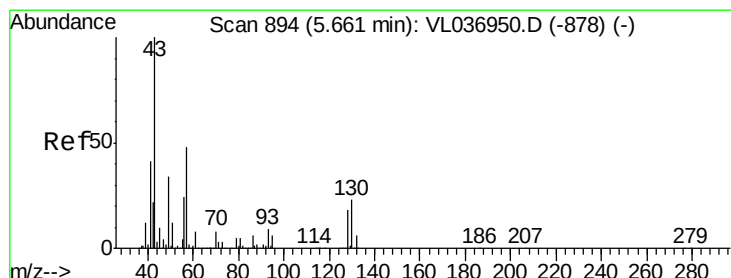
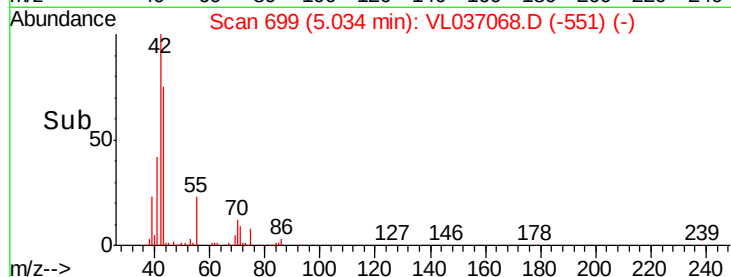
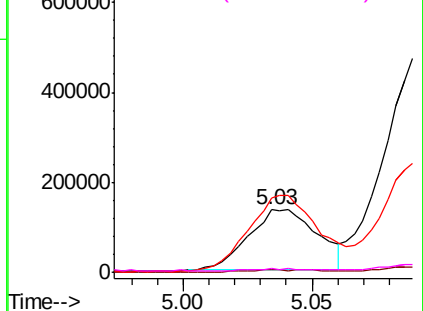


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.115 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Tgt Ion: 43 Resp: 844651

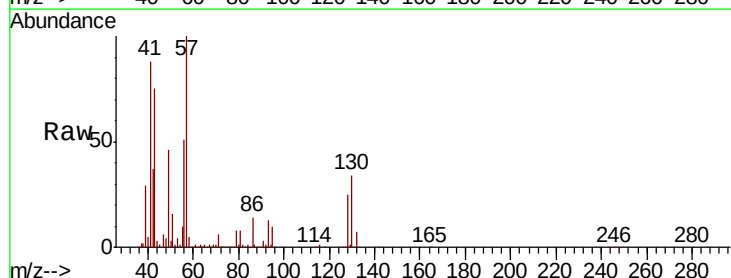
Ion Ratio Lower Upper

43 100

45 1.5 7.8 11.8#

61 1.2 7.8 11.8#

70 2.3 5.6 8.4#

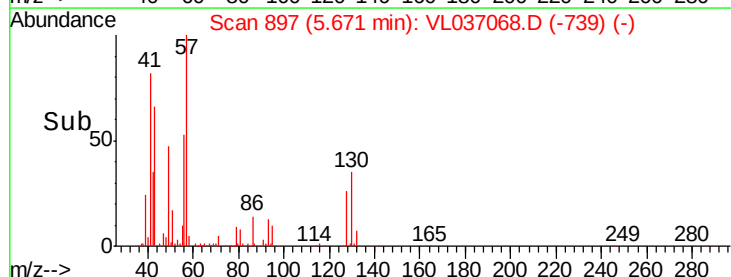
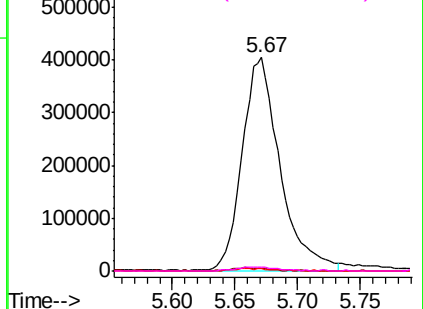


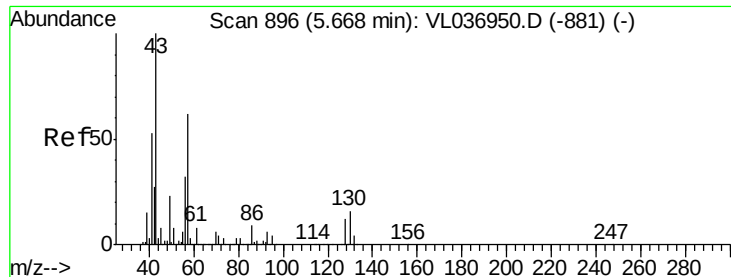
Abundance Ion 43.10 (42.80 to 43.80): VL0

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

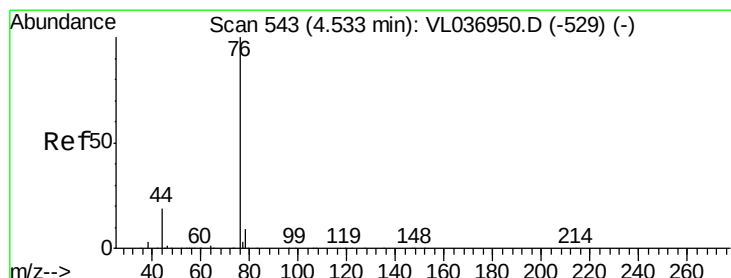
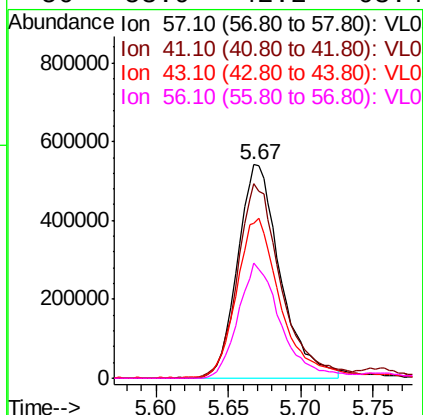
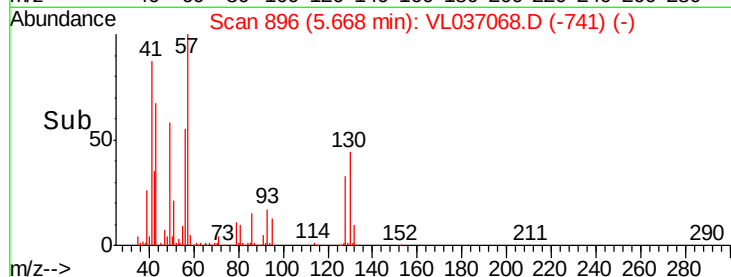
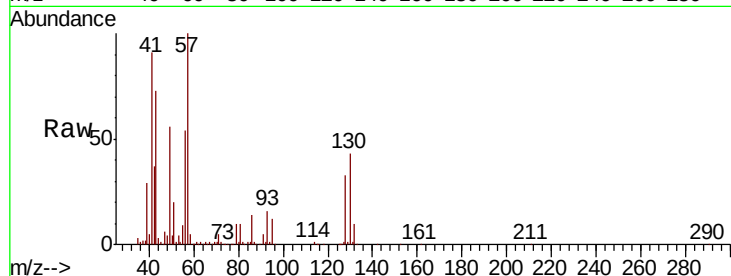




#26
Hexane
Concen: 5.429 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

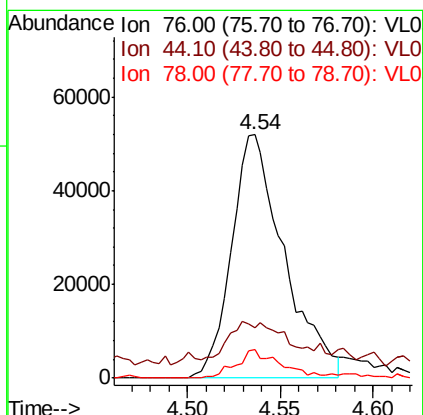
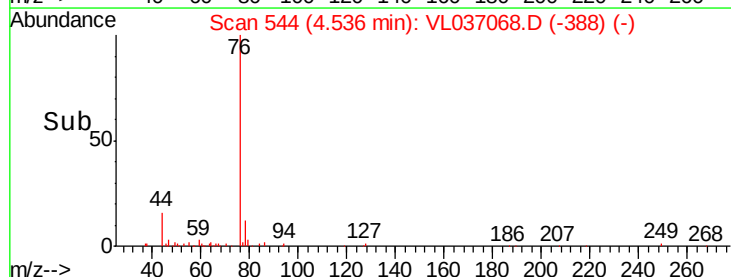
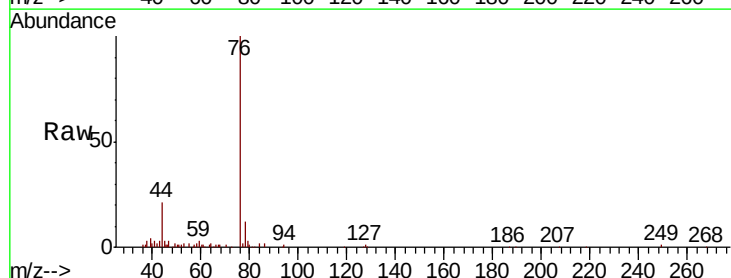
Instrument :
MSVOA_L
ClientSampleId :

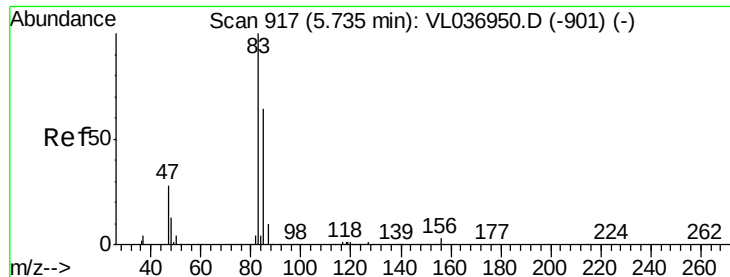
Tot Ion: 57 Resp: 1107700
Ion Ratio Lower Upper
57 100
41 93.3 70.5 105.7
43 79.8 165.8 248.8#
56 53.9 42.2 63.4



#27
Carbon Disulfide
Concen: 0.499 ppbv
RT: 4.54 min Scan# 544
Delta R.T. 0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 76 Resp: 102557
Ion Ratio Lower Upper
76 100
44 27.1 15.5 23.3#
78 11.0 7.8 11.6

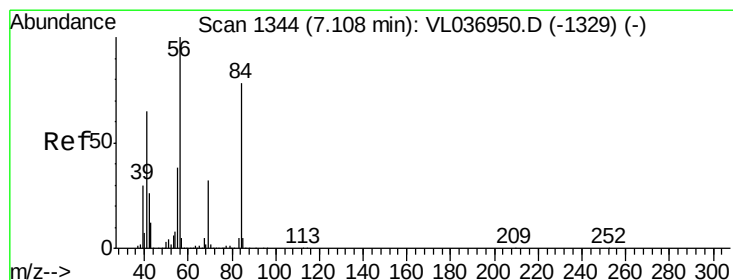
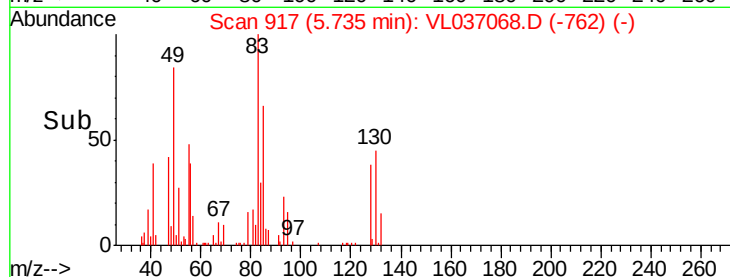
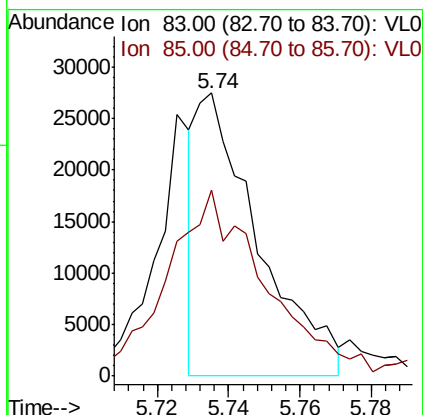
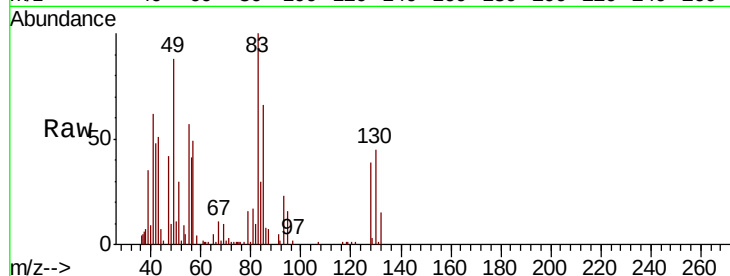




#29
Chloroform
Concen: 0.114 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

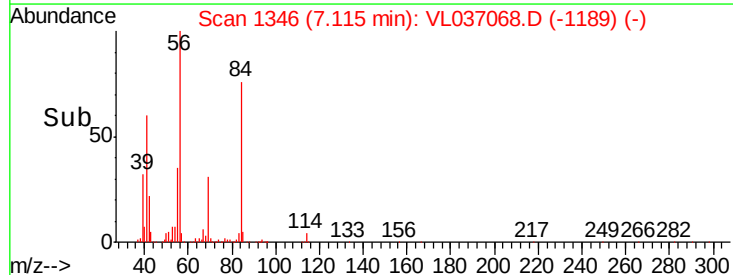
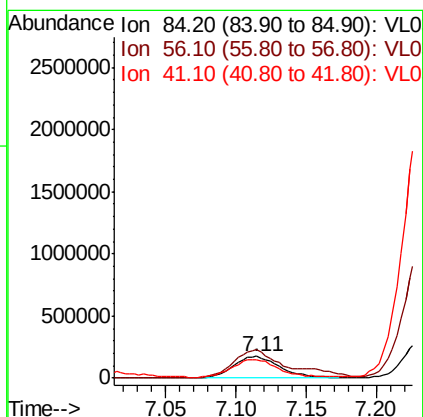
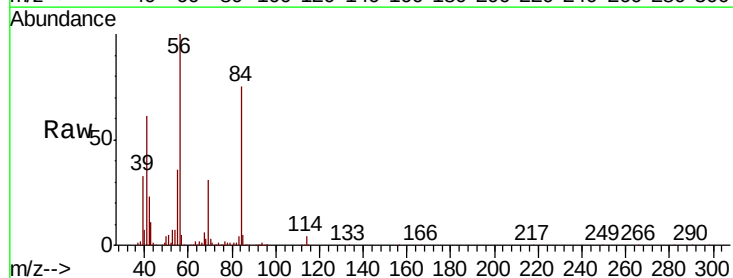
Instrument :
MSVOA_L
ClientSampleId :

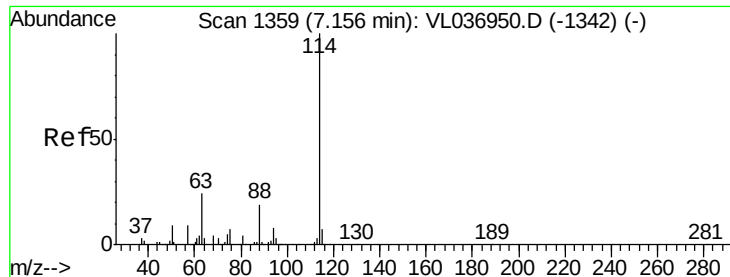
Tot Ion: 83 Resp: 32979
Ion Ratio Lower Upper
83 100
85 64.5 51.1 76.7



#30
Cyclohexane
Concen: 2.330 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 84 Resp: 404013
Ion Ratio Lower Upper
84 100
56 150.3 107.9 161.9
41 77.4 65.5 98.3

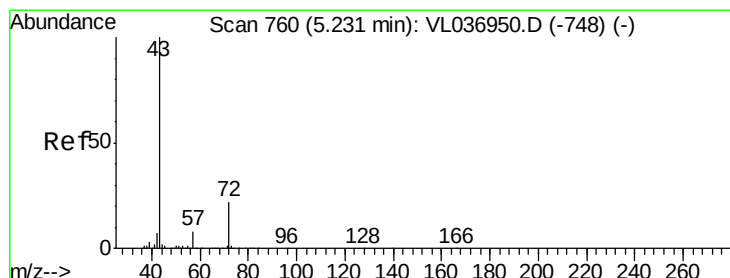
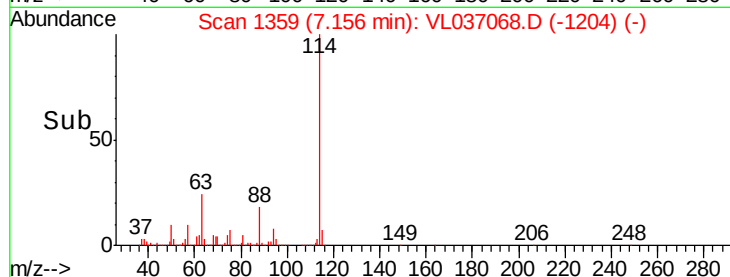
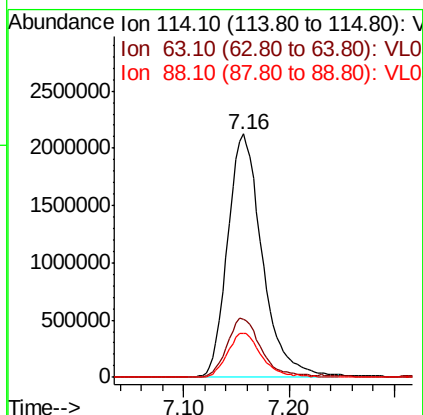
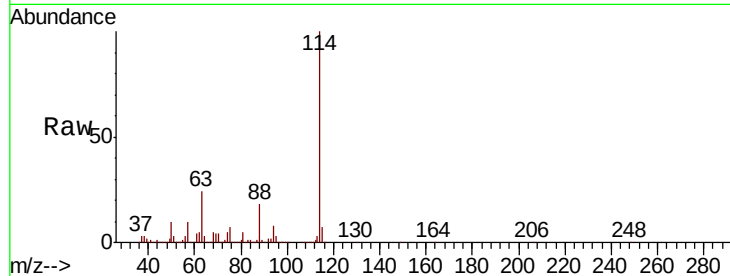




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

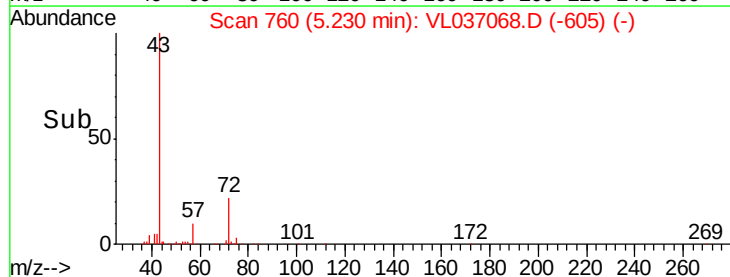
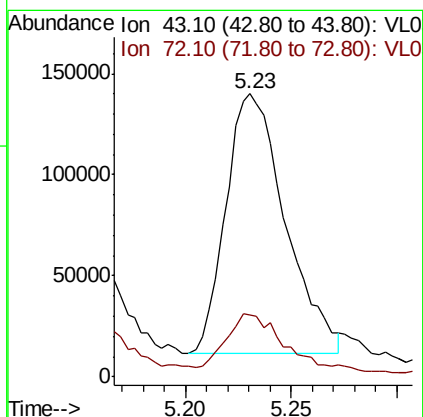
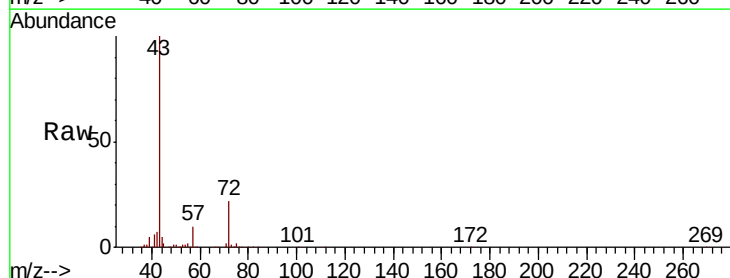
Instrument :
 MSVOA_L
 ClientSampled :

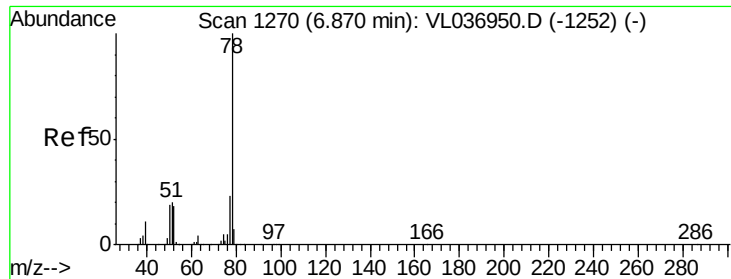
Tot Ion:114 Resp: 4846389
 Ion Ratio Lower Upper
 114 100
 63 24.9 19.6 29.4
 88 18.0 14.6 21.8



#34
 2-Butanone
 Concen: 1.425 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion: 43 Resp: 251421
 Ion Ratio Lower Upper
 43 100
 72 29.6 19.0 28.4#



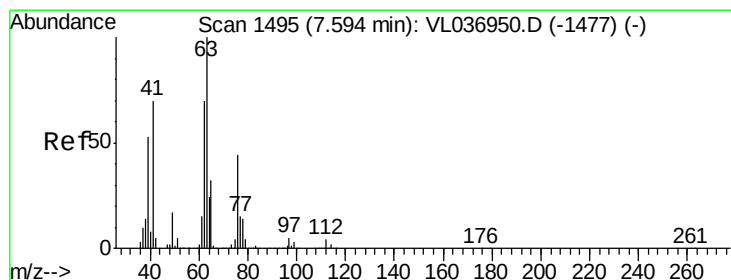
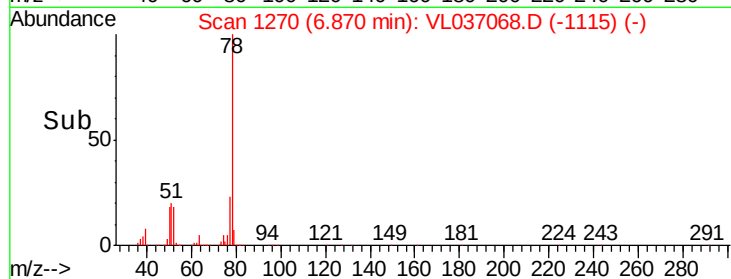
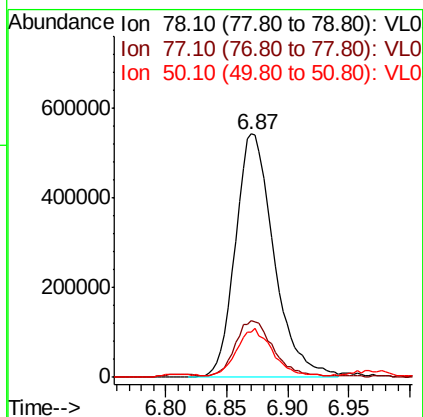
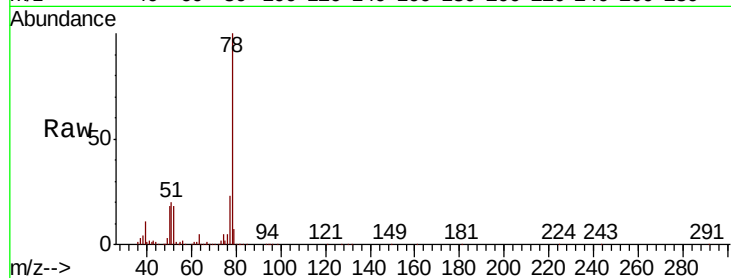


#36
Benzene
Concen: 2.831 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 78 Resp: 1181819

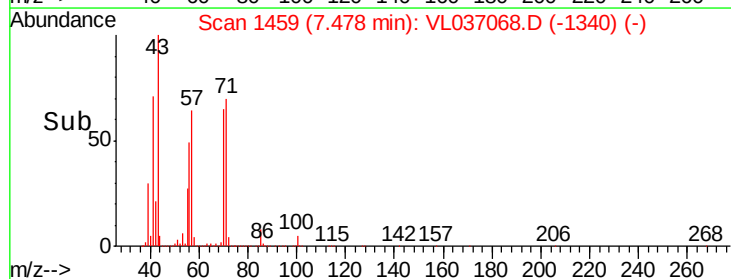
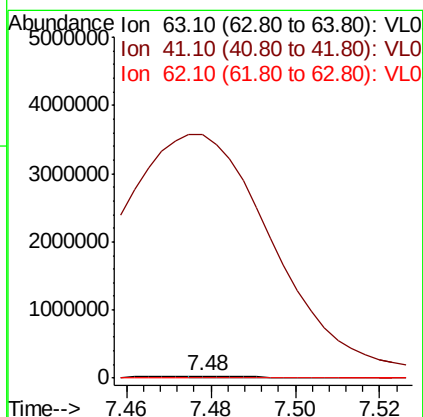
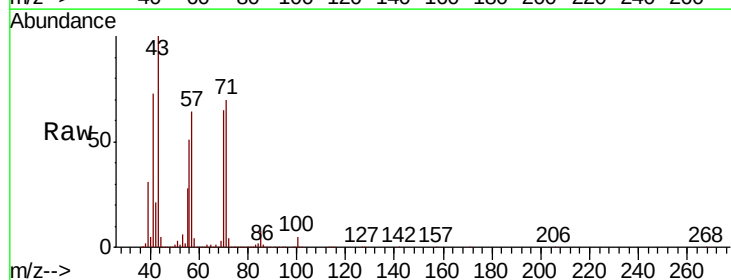
Ion	Ratio	Lower	Upper
78	100		
77	22.6	18.6	28.0
50	17.7	15.0	22.4

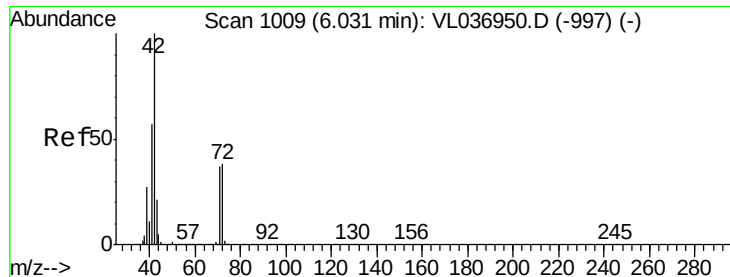


#39
1,2-Dichloropropane
Concen: 0.149 ppbv
RT: 7.48 min Scan# 1459
Delta R.T. -0.12 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 63 Resp: 23908

Ion	Ratio	Lower	Upper
63	100		
41	13140.8	55.7	83.5#
62	54.0	56.2	84.4#

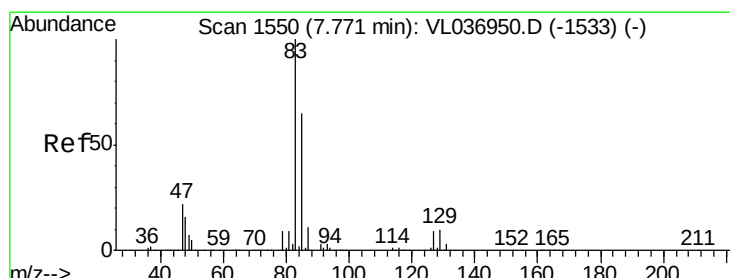
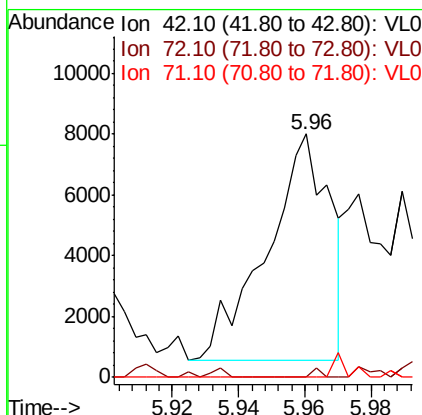
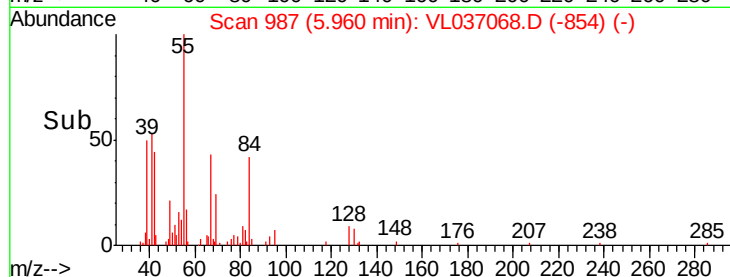
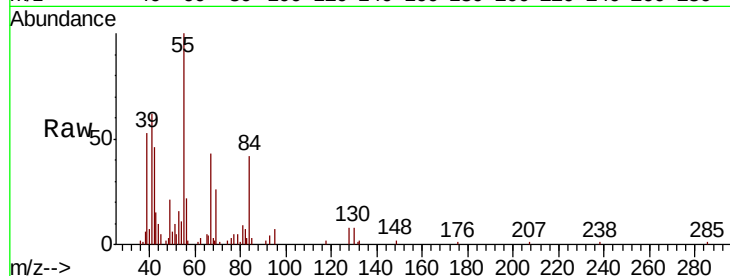




#41
Tetrahydrofuran
Concen: 0.099 ppbv
RT: 5.96 min Scan# 987
Delta R.T. -0.07 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

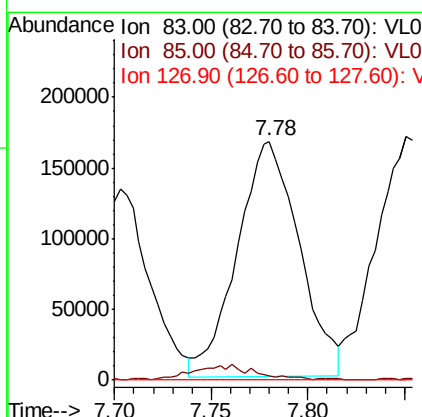
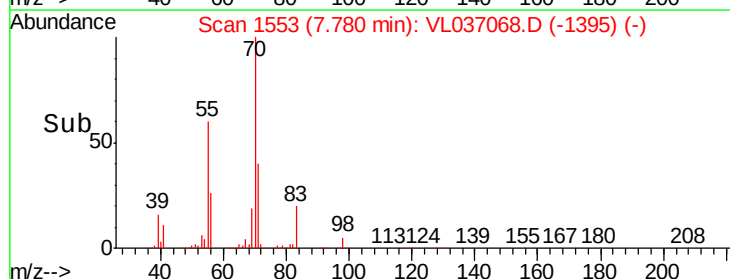
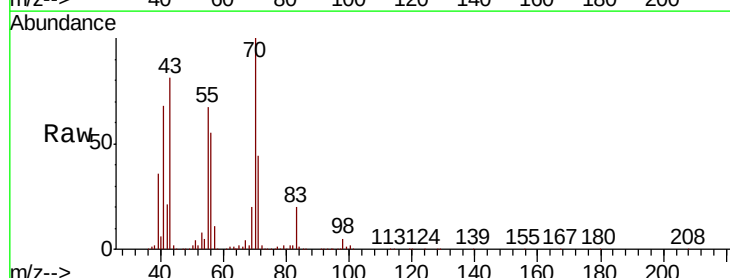
Instrument :
MSVOA_L
ClientSampled :

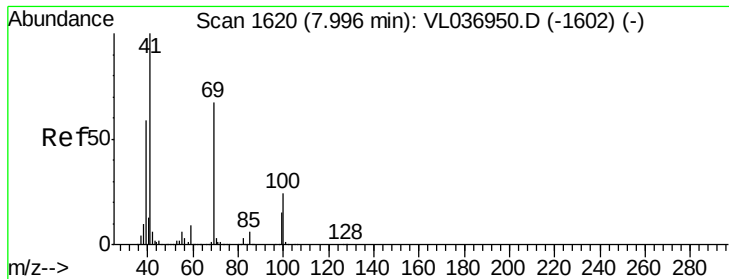
Tot Ion: 42 Resp: 9907
Ion Ratio Lower Upper
42 100
72 3.1 31.4 47.2#
71 0.0 30.4 45.6#



#42
Bromodichloromethane
Concen: 1.188 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. 0.01 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 83 Resp: 372120
Ion Ratio Lower Upper
83 100
85 1.1 51.7 77.5#
127 0.0 6.9 10.3#

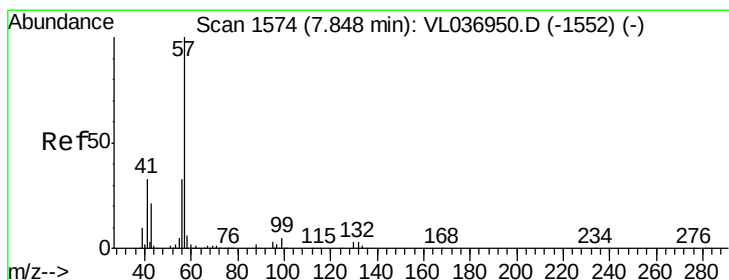
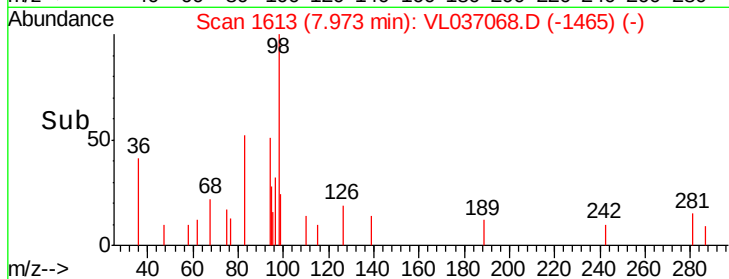
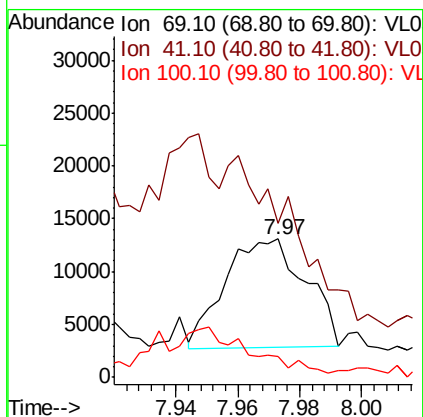
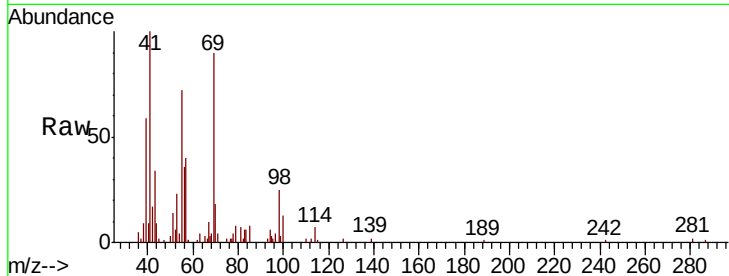




#43
Methyl Methacrylate
Concen: 0.128 ppbv
RT: 7.97 min Scan# 1613
Delta R.T. -0.02 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

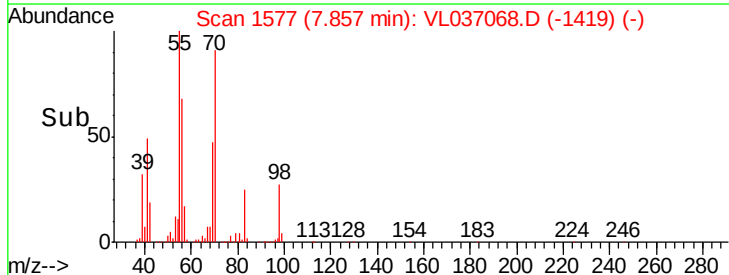
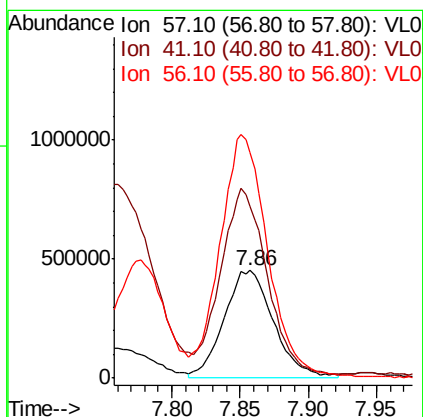
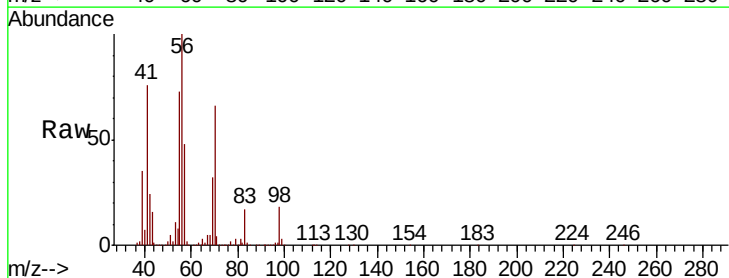
Instrument :
MSVOA_L
ClientSampleId :

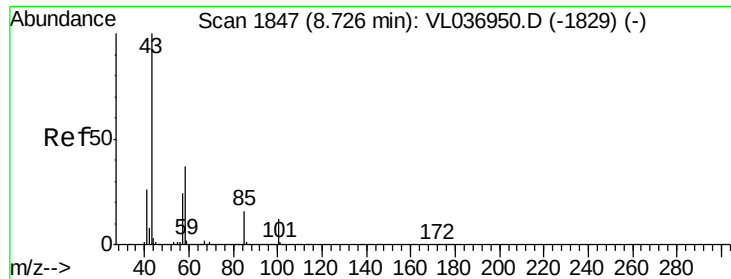
Tot Ion: 69 Resp: 18488
Ion Ratio Lower Upper
69 100
41 0.0 118.6 178.0#
100 0.0 28.2 42.4#



#44
2,2,4-Trimethylpentane
Concen: 1.570 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. 0.01 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion: 57 Resp: 1124367
Ion Ratio Lower Upper
57 100
41 166.9 27.0 40.4#
56 223.5 25.4 38.2#

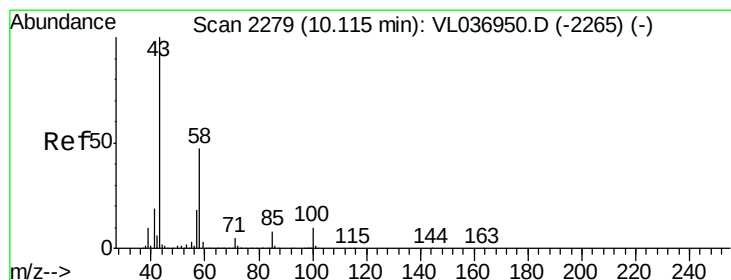
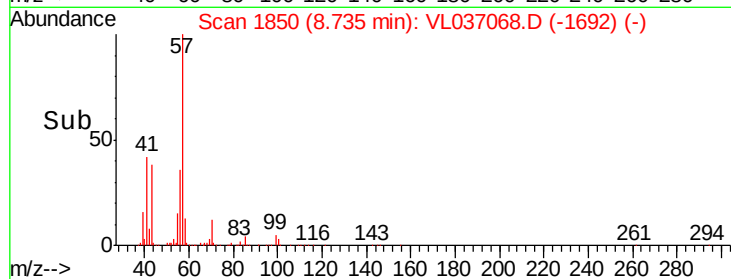
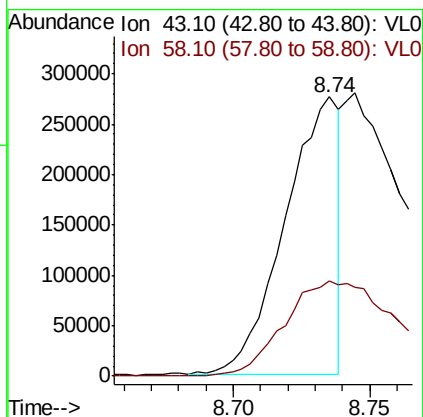
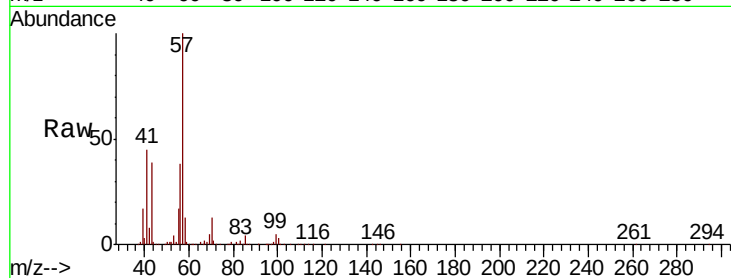




#50
 4-Methyl-2-Pentanone
 Concen: 1.301 ppbv
 RT: 8.74 min Scan# 1850
 Delta R.T. 0.01 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

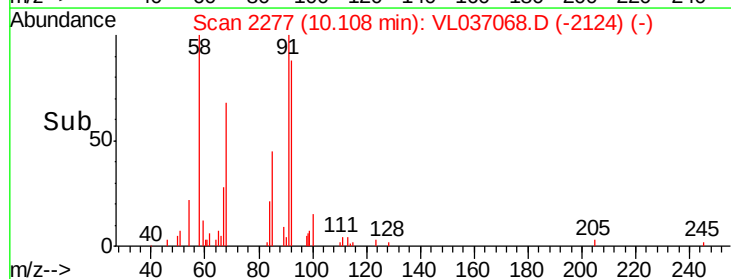
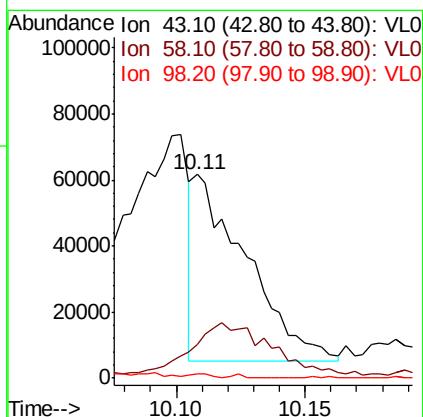
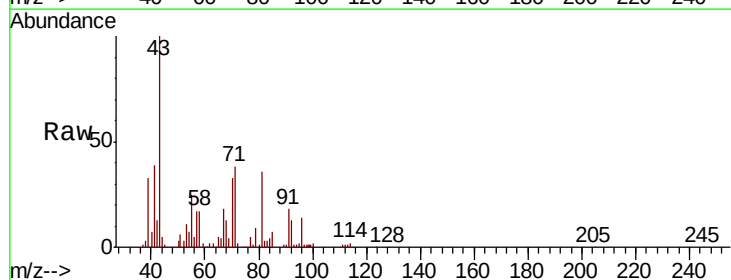
Instrument :
 MSVOA_L
 ClientSampled :

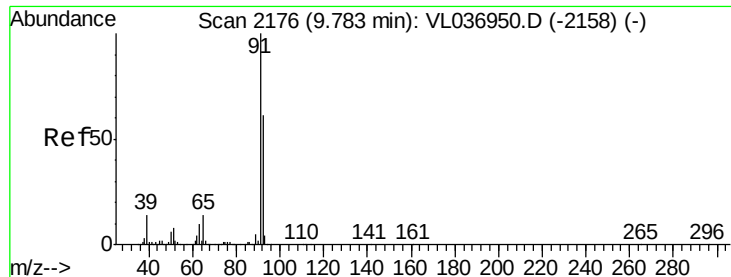
Tot Ion: 43 Resp: 378784
 Ion Ratio Lower Upper
 43 100
 58 75.1 29.4 44.2#



#51
 2-Hexanone
 Concen: 0.515 ppbv
 RT: 10.11 min Scan# 2277
 Delta R.T. -0.01 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion: 43 Resp: 79222
 Ion Ratio Lower Upper
 43 100
 58 50.2 41.1 61.7
 98 1.8 0.1 0.1#





#53

Toluene

Concen: 34.505 ppbv

RT: 9.79 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

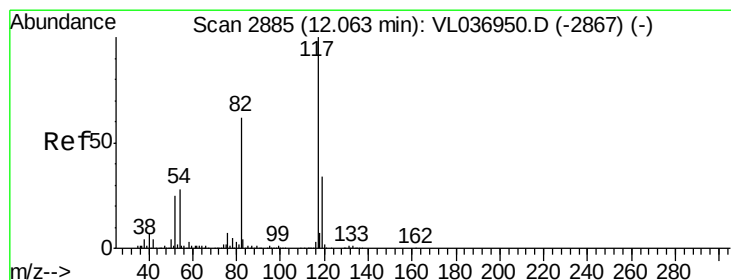
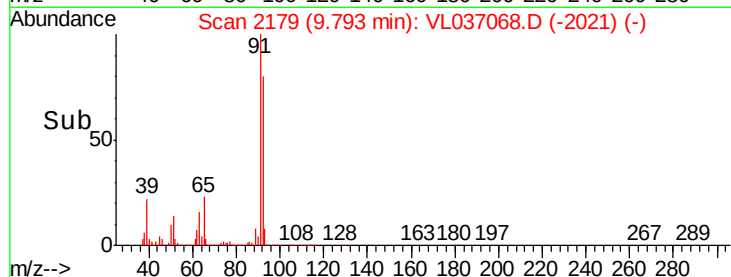
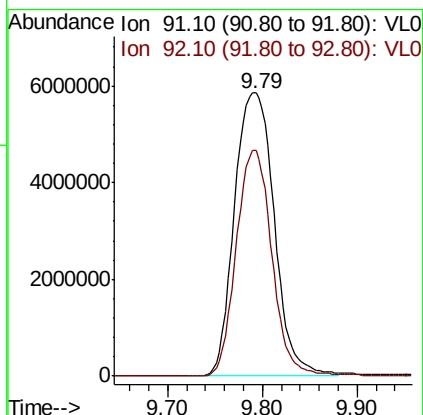
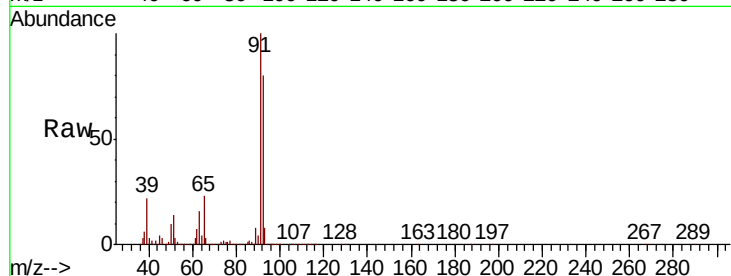
ClientSampleId :

Tot Ion: 91 Resp:17138861

Ion Ratio Lower Upper

91 100

92 72.1 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

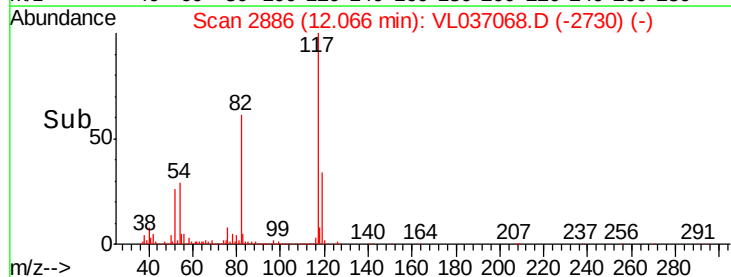
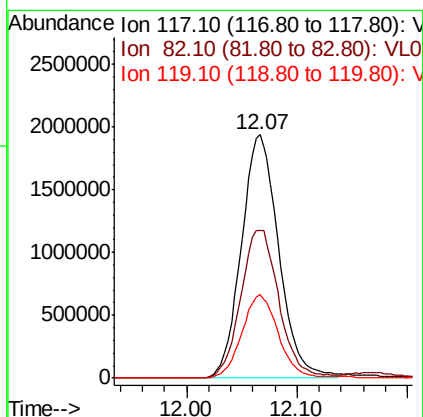
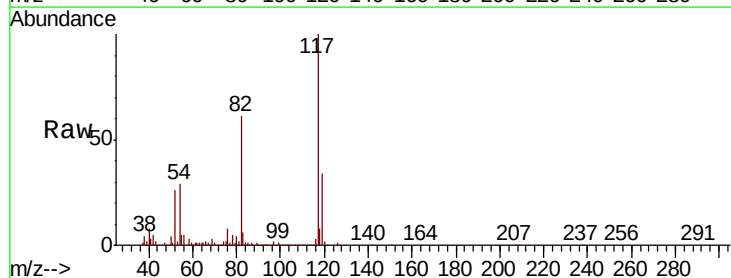
Tgt Ion:117 Resp: 4553274

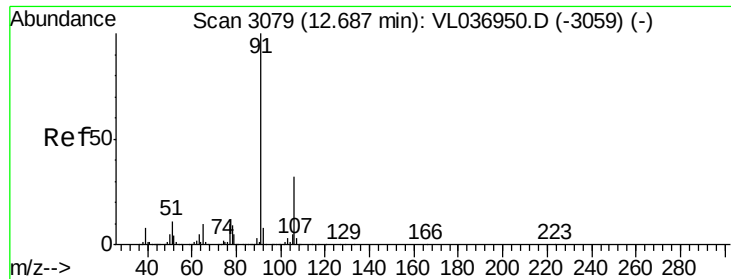
Ion Ratio Lower Upper

117 100

82 62.3 52.6 79.0

119 34.0 46.6 70.0#





#58

Ethyl Benzene

Concen: 4.037 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

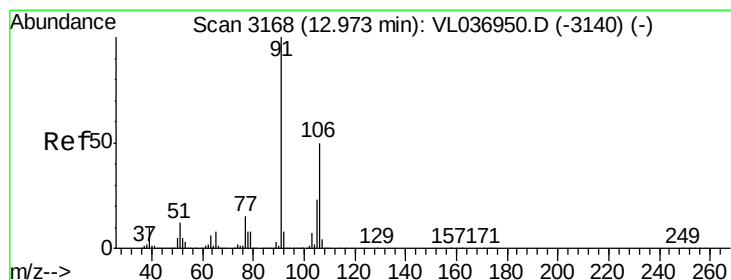
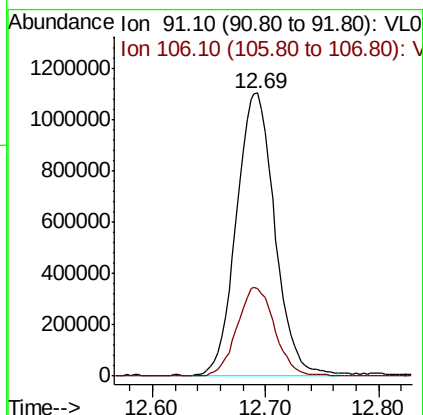
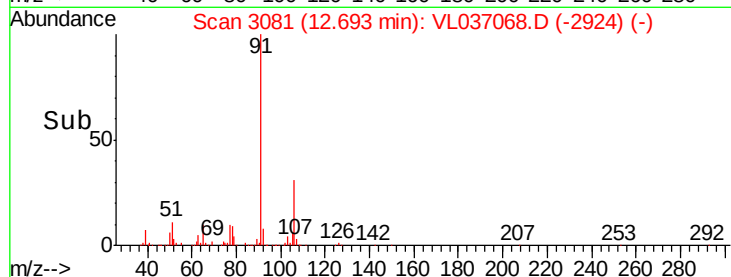
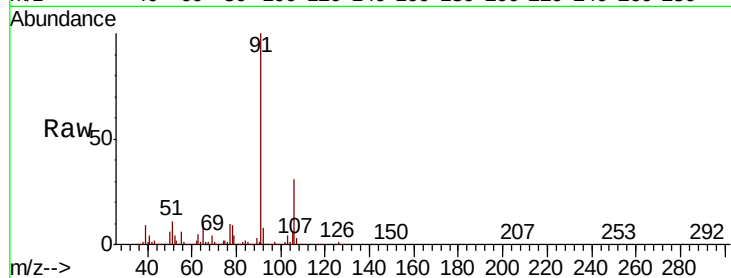
ClientSampled :

Tot Ion: 91 Resp: 2594334

Ion Ratio Lower Upper

91 100

106 31.0 25.6 38.4



#59

m/p-Xylene

Concen: 13.449 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037068.D

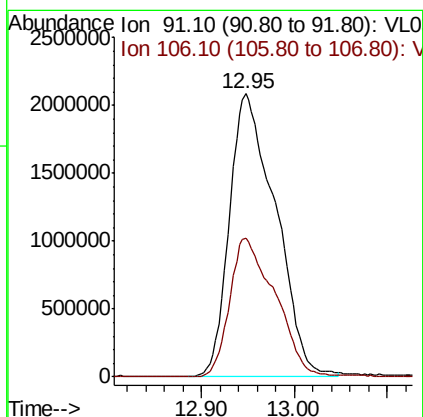
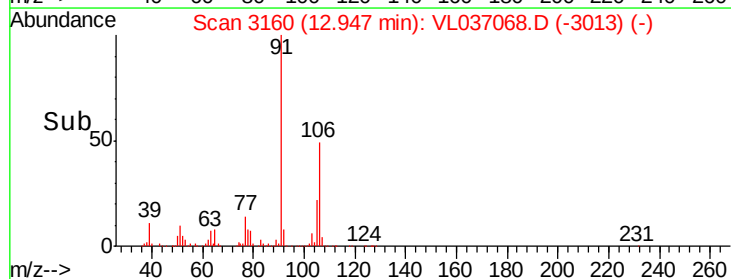
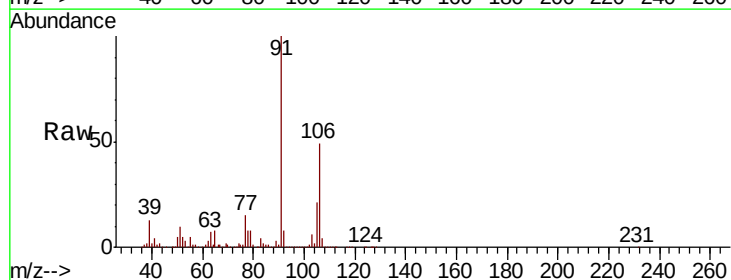
Acq: 1 Jun 2021 13:49

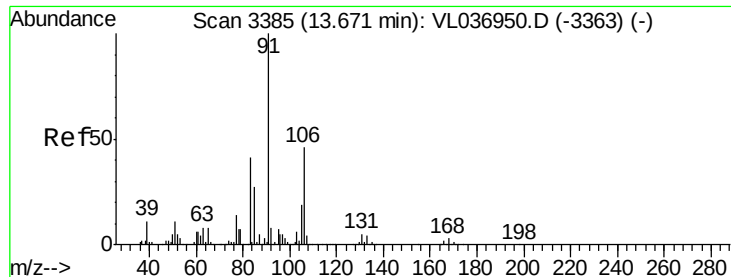
Tgt Ion: 91 Resp: 7144181

Ion Ratio Lower Upper

91 100

106 49.1 37.4 56.2





#60

o-Xylene

Concen: 4.864 ppbv

RT: 13.67 min Scan# 3385

Delta R.T. -0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

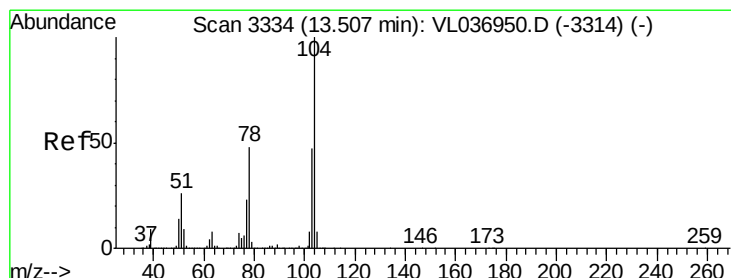
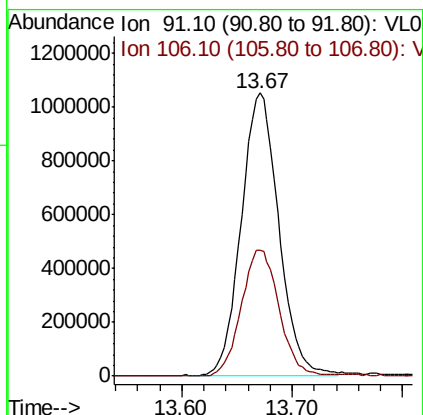
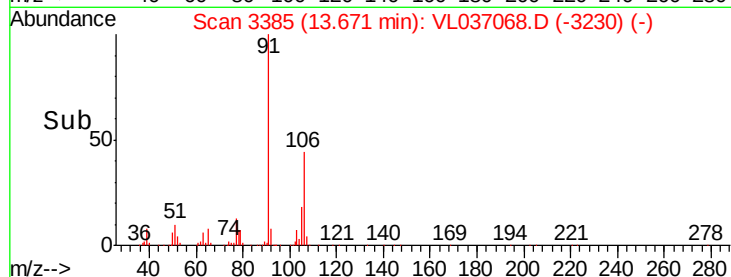
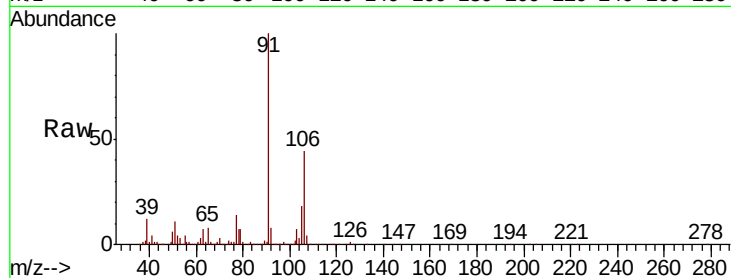
ClientSampleId :

Tot Ion: 91 Resp: 2464362

Ion Ratio Lower Upper

91 100

106 46.0 23.4 70.3



#61

Styrene

Concen: 0.661 ppbv

RT: 13.50 min Scan# 3333

Delta R.T. -0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

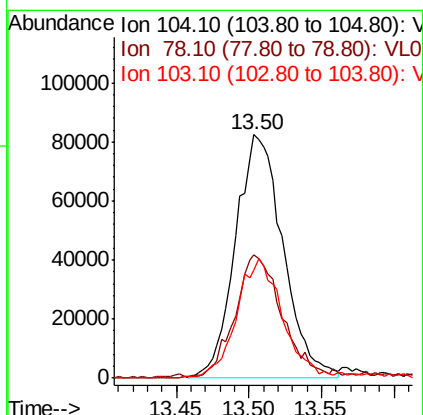
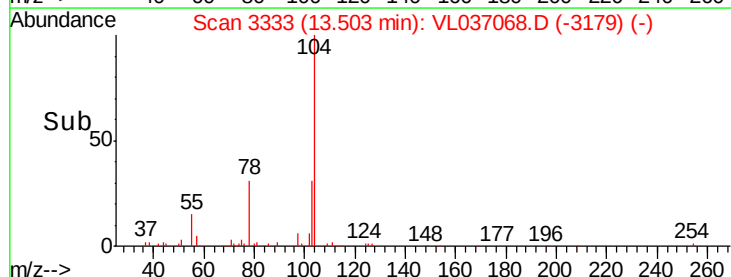
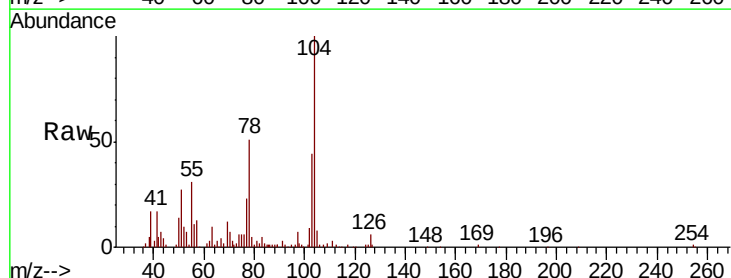
Tgt Ion: 104 Resp: 188621

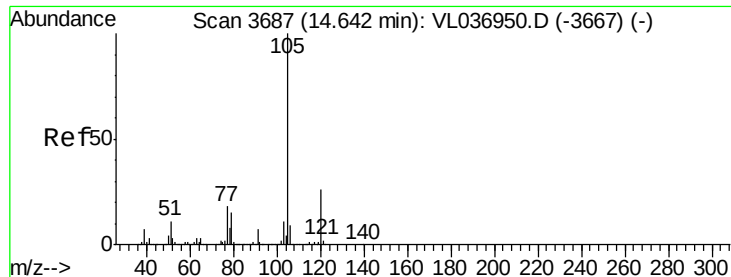
Ion Ratio Lower Upper

104 100

78 51.9 39.0 58.6

103 49.2 38.0 57.0





#62

Isopropylbenzene

Concen: 3.083 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

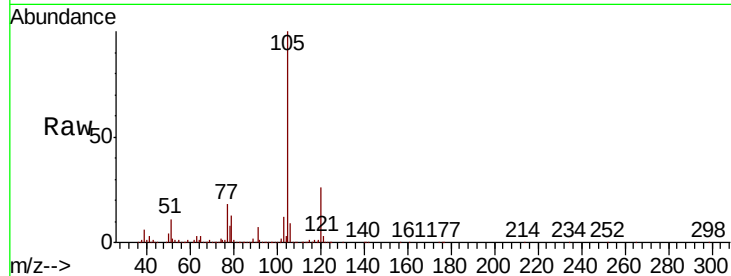
ClientSampleId :

Tot Ion:105 Resp: 2244864

Ion Ratio Lower Upper

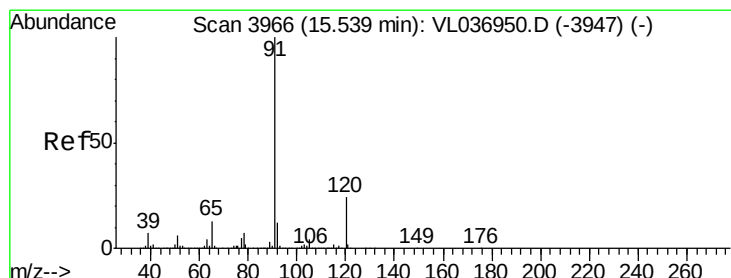
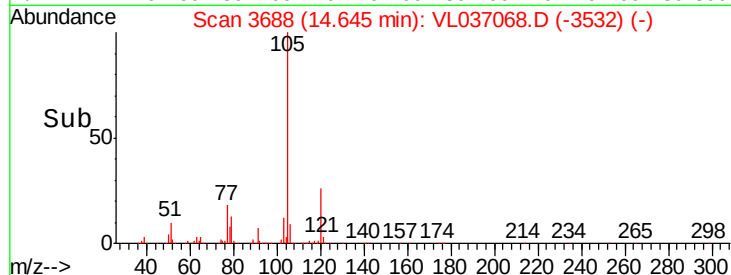
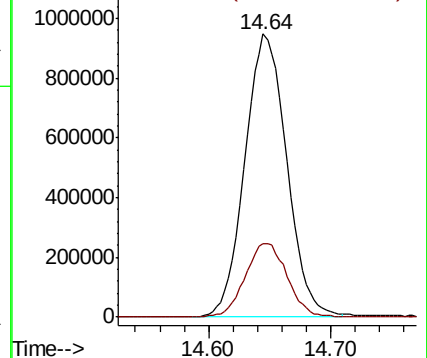
105 100

120 26.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.490 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037068.D

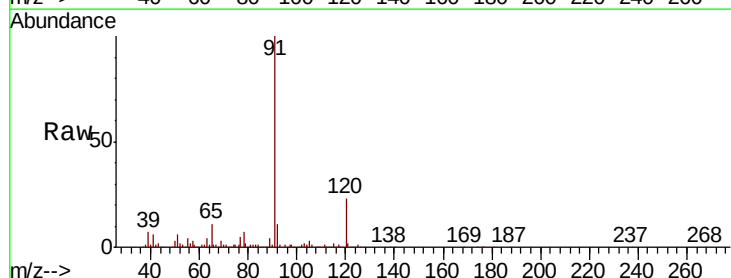
Acq: 1 Jun 2021 13:49

Tgt Ion:120 Resp: 92016

Ion Ratio Lower Upper

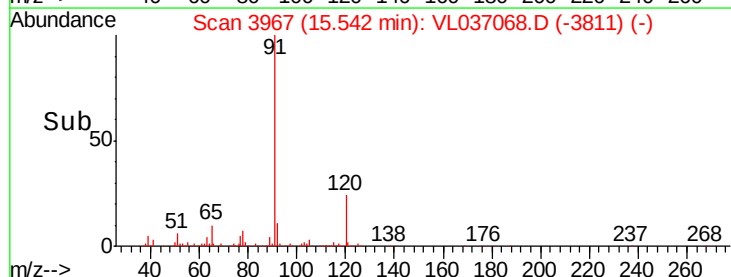
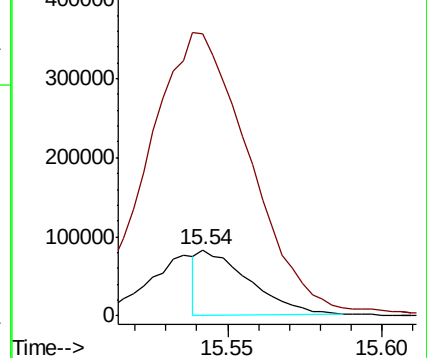
120 100

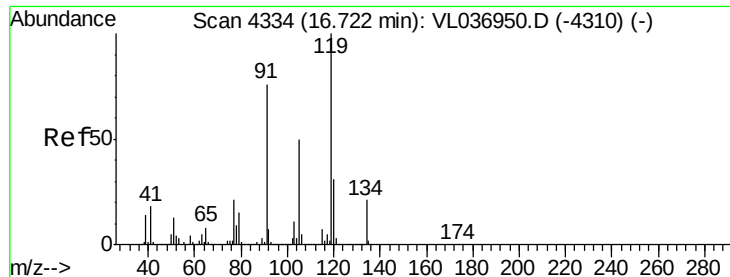
91 905.8 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

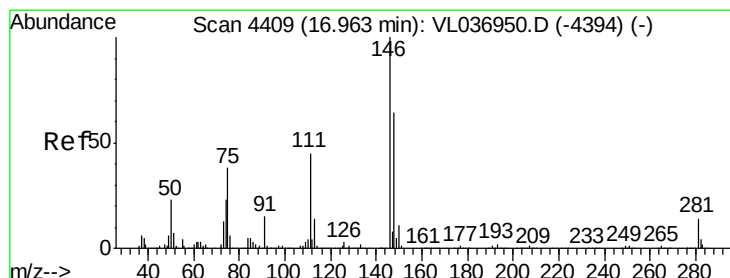
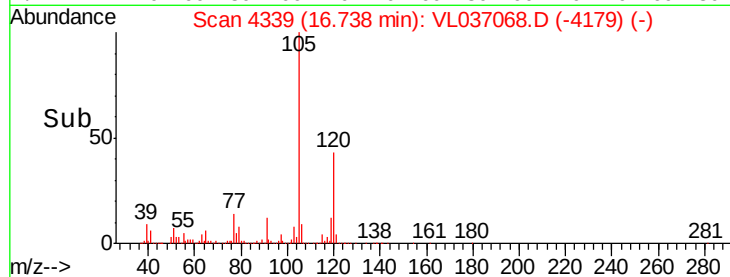
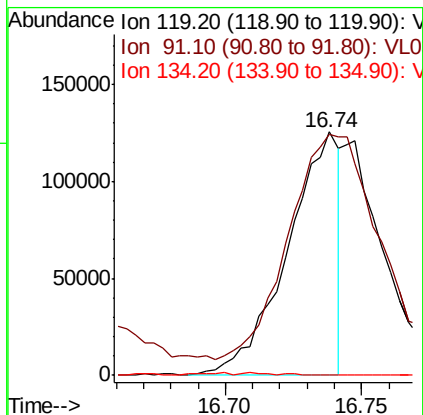
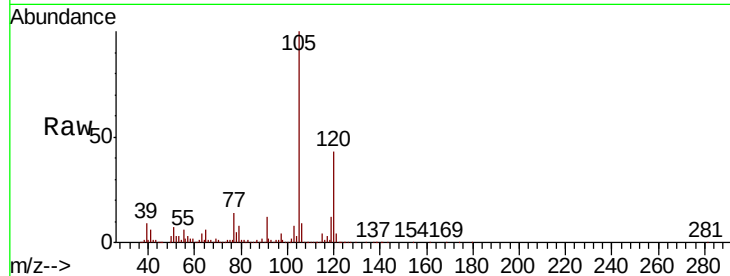




#65
 tert-Butylbenzene
 Concen: 0.252 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. 0.02 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

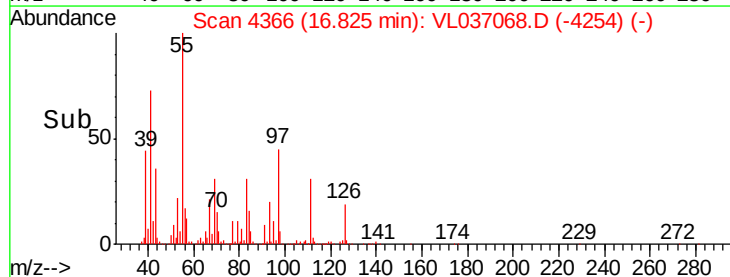
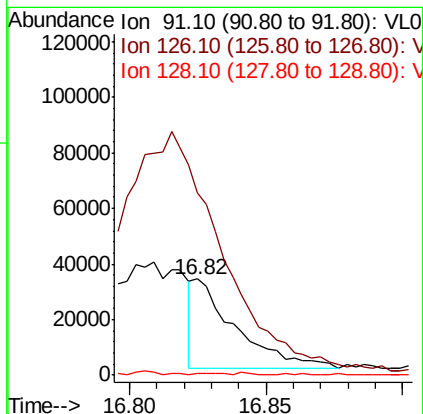
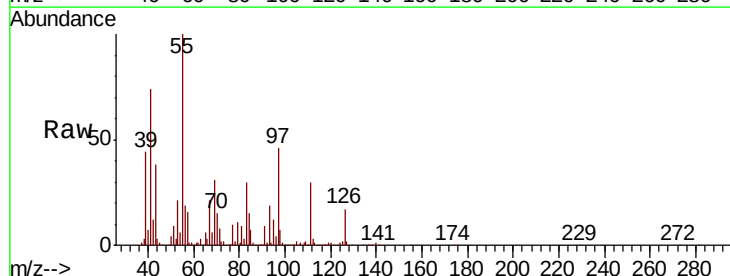
Instrument :
 MSVOA_L
 ClientSampleId :

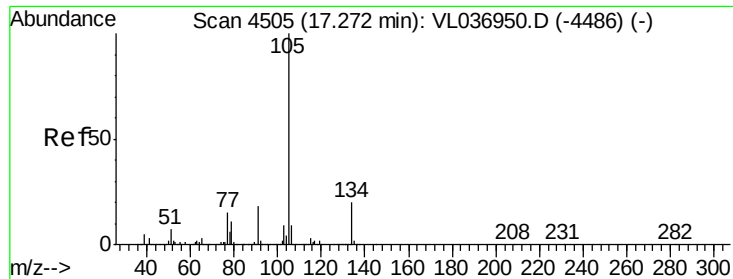
Tot Ion:119 Resp: 165276
 Ion Ratio Lower Upper
 119 100
 91 178.2 61.9 92.9#
 134 1.7 16.2 24.4#



#66
 Benzyl Chloride
 Concen: 0.946 ppbv
 RT: 16.82 min Scan# 4366
 Delta R.T. -0.14 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion: 91 Resp: 34471
 Ion Ratio Lower Upper
 91 100
 126 0.0 16.5 24.7#
 128 1.7 5.5 8.3#





#67

sec-Butylbenzene

Concen: 0.044 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. 0.01 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

Instrument :

MSVOA_L

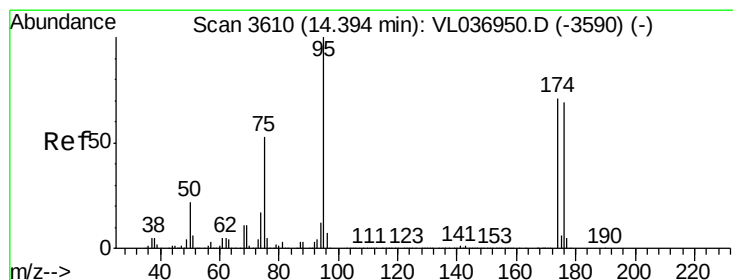
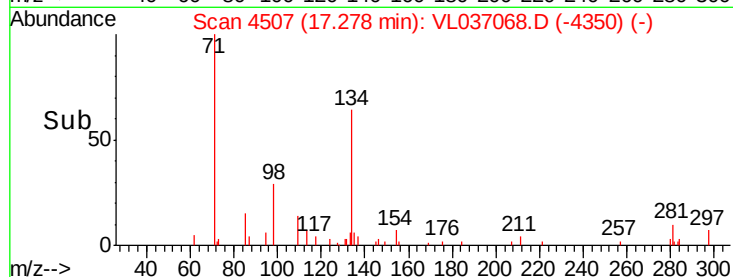
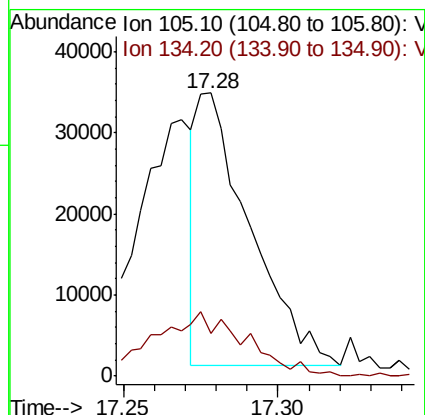
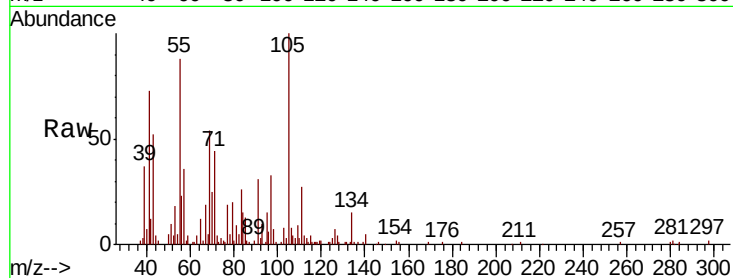
ClientSampleId :

Tot Ion:105 Resp: 39548

Ion Ratio Lower Upper

105 100

134 43.7 15.6 23.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.513 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037068.D

Acq: 1 Jun 2021 13:49

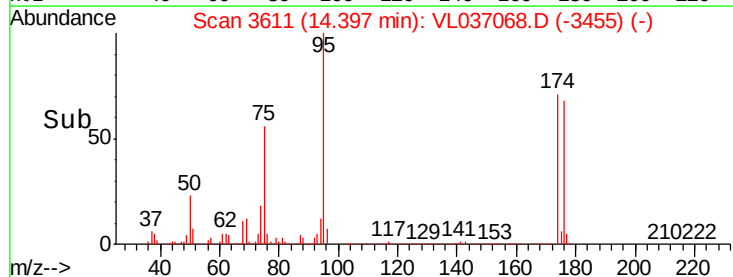
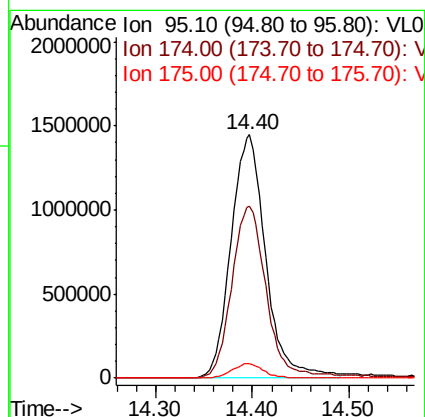
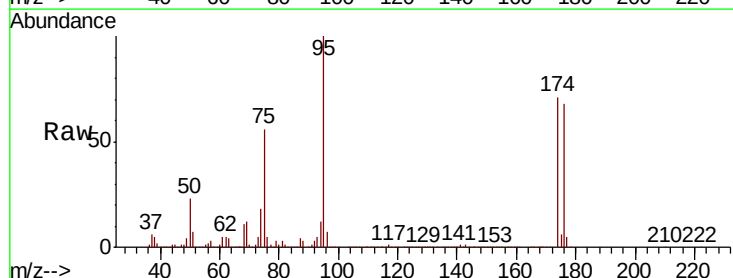
Tgt Ion: 95 Resp: 3595861

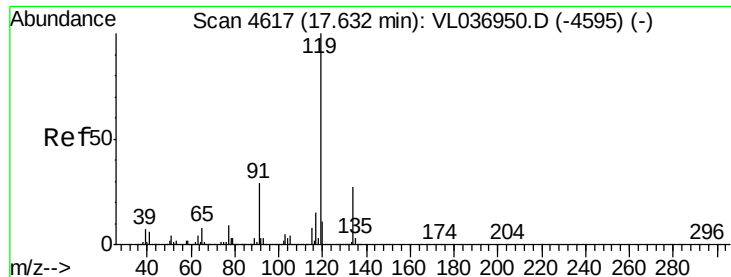
Ion Ratio Lower Upper

95 100

174 72.6 58.4 87.6

175 5.4 4.4 6.6

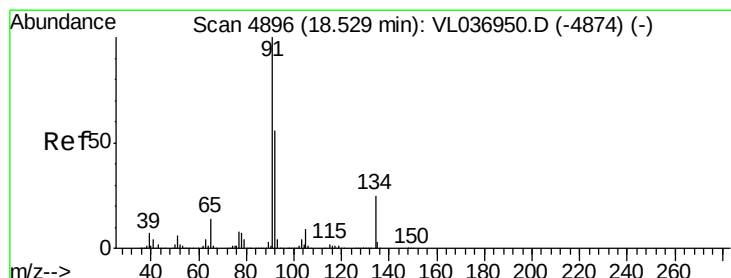
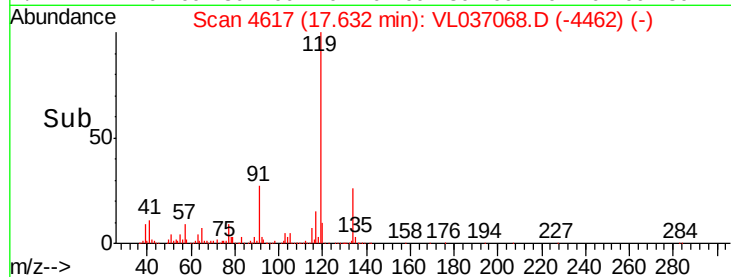
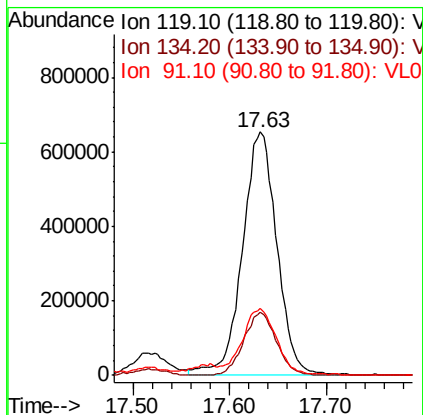
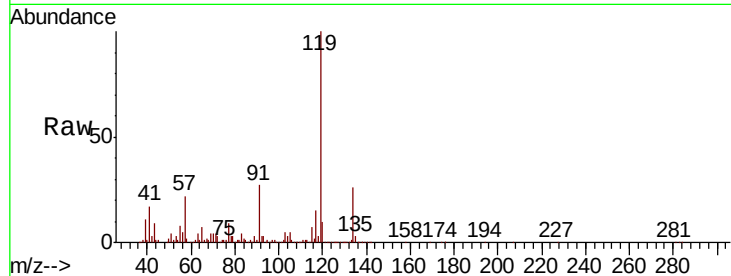




#69
 p-Isopropyltoluene
 Concen: 2.077 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

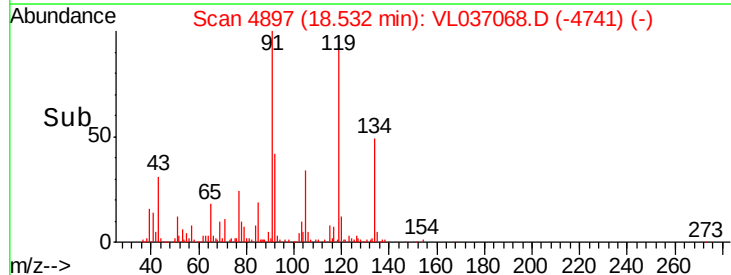
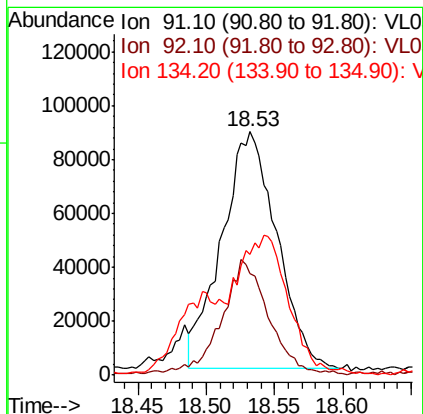
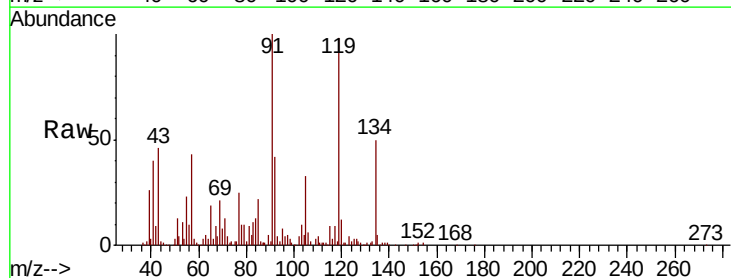
Instrument :
 MSVOA_L
 ClientSampleId :

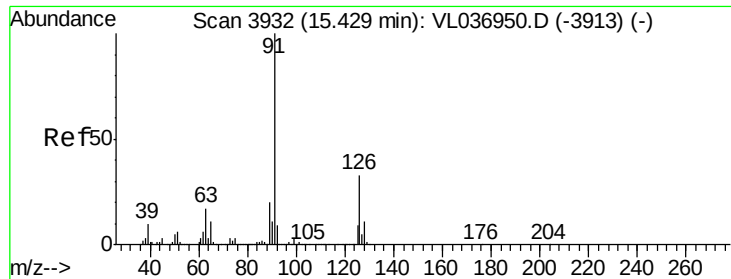
Tot Ion:119 Resp: 1600964
 Ion Ratio Lower Upper
 119 100
 134 25.0 21.2 31.8
 91 30.7 22.2 33.4



#70
 n-Butylbenzene
 Concen: 0.336 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion: 91 Resp: 246035
 Ion Ratio Lower Upper
 91 100
 92 42.9 44.6 66.8#
 134 82.5 20.2 30.2#

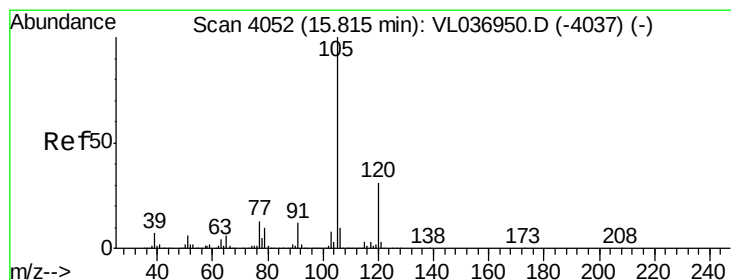
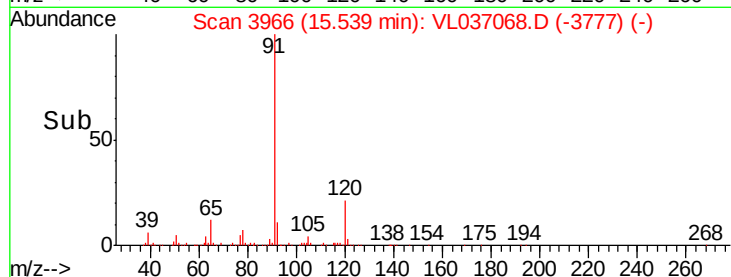
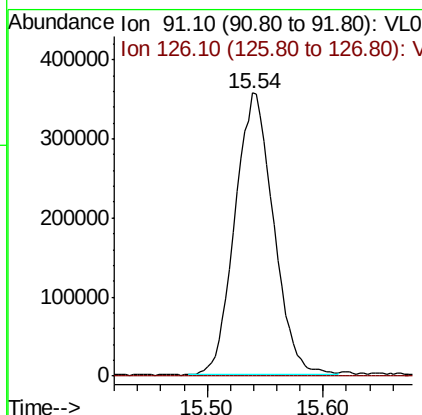
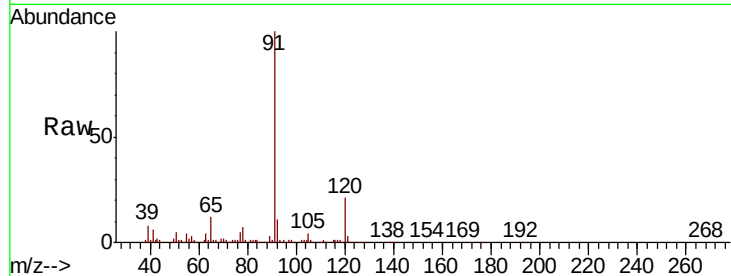




#71
 2-Chlorotoluene
 Concen: 1.568 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. 0.11 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

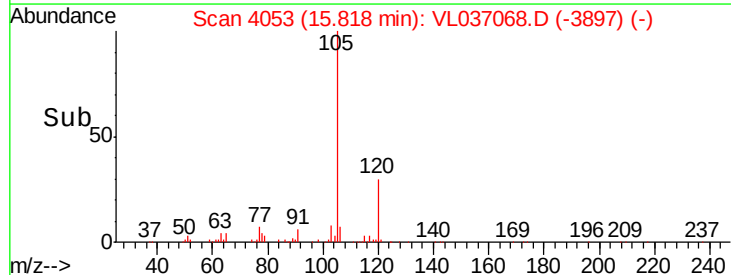
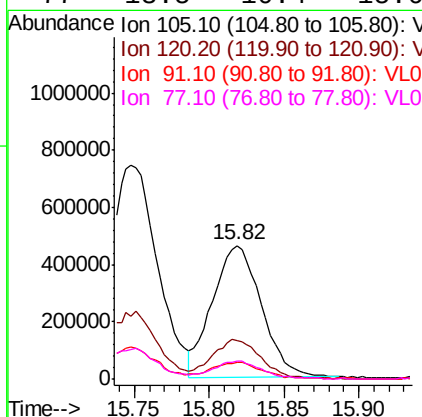
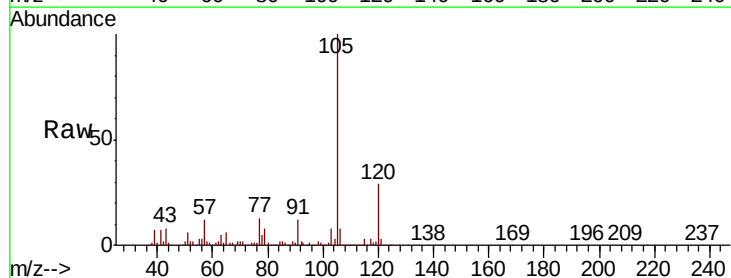
Instrument :
 MSVOA_L
 ClientSampleId :

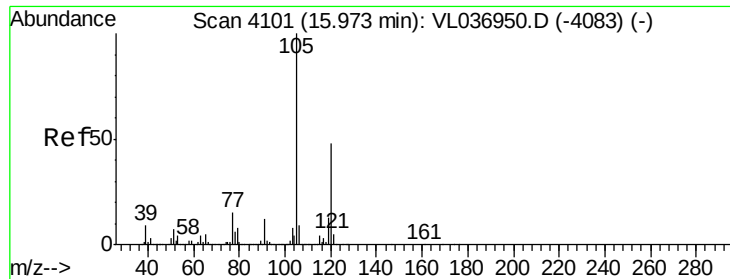
Tot Ion: 91 Resp: 824642
 Ion Ratio Lower Upper
 91 100
 126 0.2 13.1 52.5#



#72
 4-Ethyltoluene
 Concen: 1.749 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion:105 Resp: 1051873
 Ion Ratio Lower Upper
 105 100
 120 30.9 24.6 37.0
 91 13.0 9.8 14.6
 77 13.5 10.4 15.6

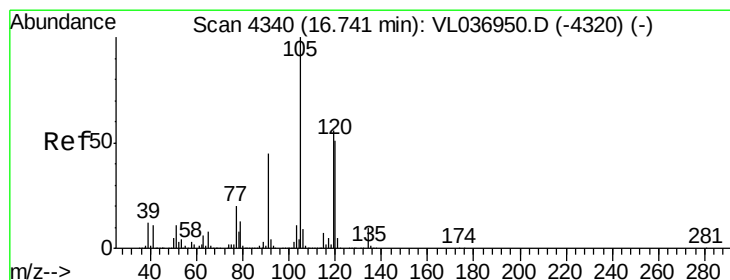
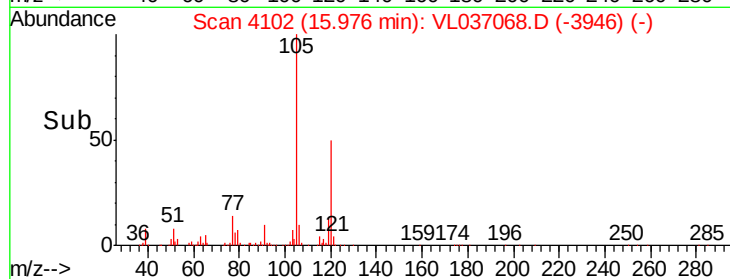
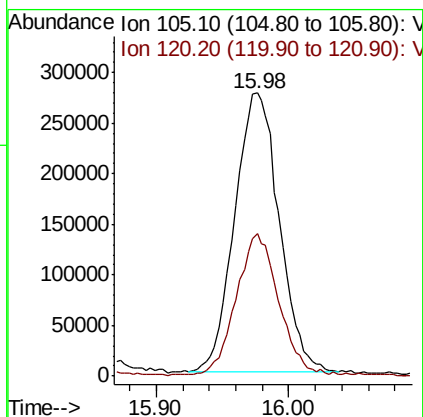
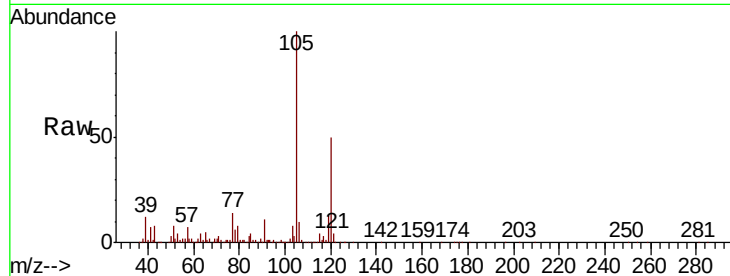




#73
 1,3,5-Trimethylbenzene
 Concen: 1.142 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

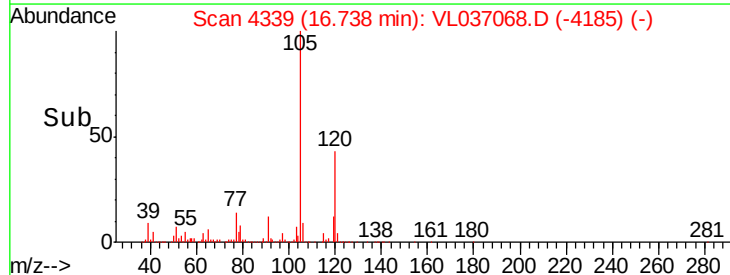
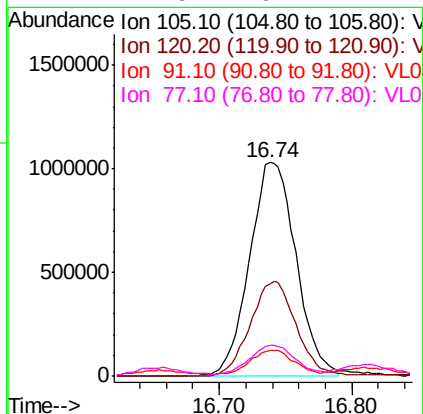
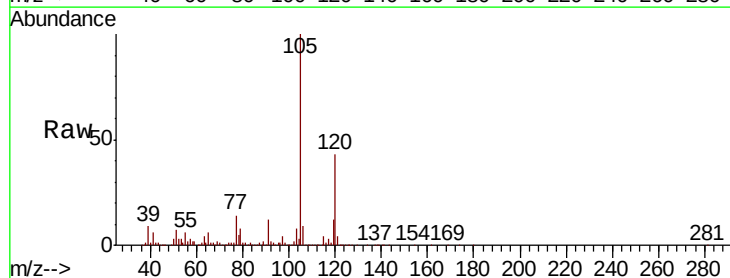
Instrument :
 MSVOA_L
 ClientSampleId :

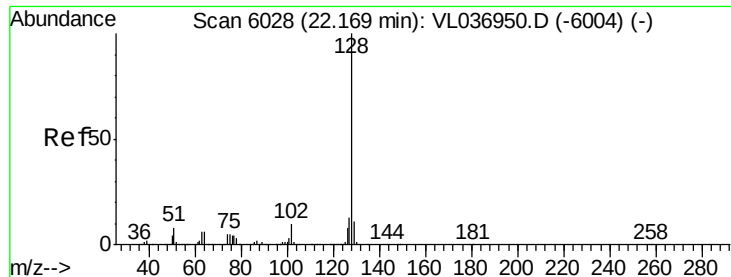
Tot Ion:105 Resp: 644893
 Ion Ratio Lower Upper
 105 100
 120 50.3 38.6 58.0



#74
 1,2,4-Trimethylbenzene
 Concen: 4.279 ppbv
 RT: 16.74 min Scan# 4339
 Delta R.T. -0.00 min
 Lab File: VL037068.D
 Acq: 1 Jun 2021 13:49

Tgt Ion:105 Resp: 2498102
 Ion Ratio Lower Upper
 105 100
 120 43.3 40.6 61.0
 91 10.7 37.4 56.0#
 77 12.5 16.2 24.4#

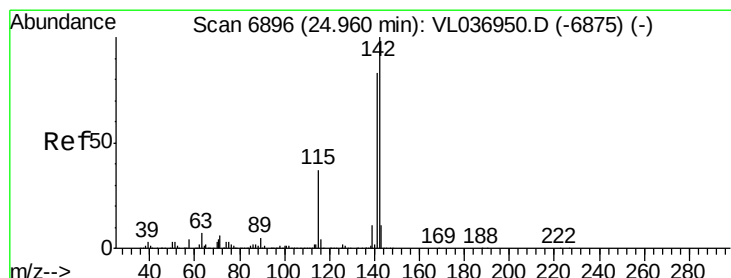
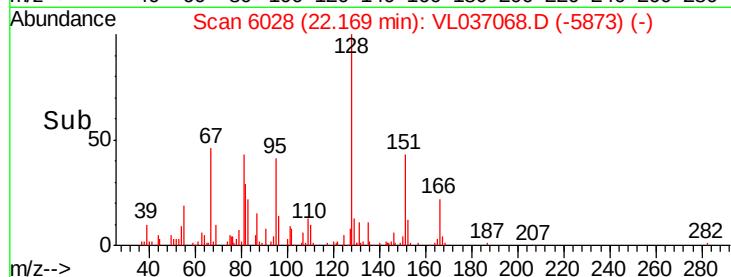
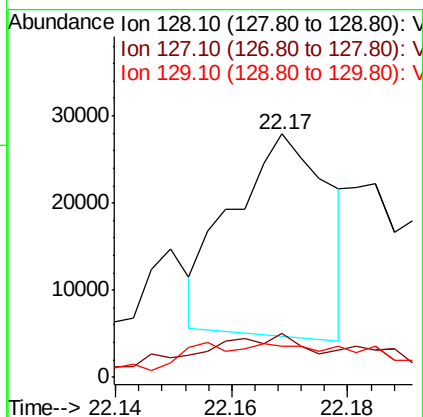
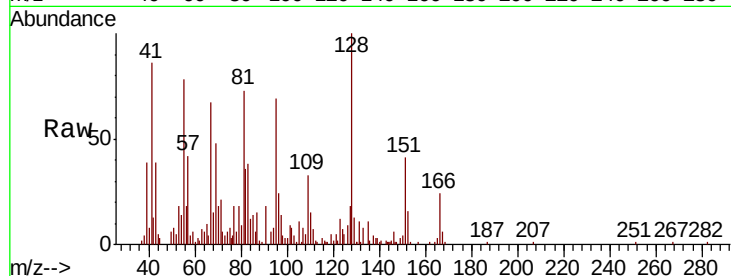




#79
Naphthalene
Concen: 0.058 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. -0.00 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:128 Resp: 26684
Ion Ratio Lower Upper
128 100
127 14.7 10.4 15.6
129 1.3 9.0 13.6#



#80
Naphthalene, 2-methyl-
Concen: 0.116 ppbv
RT: 24.94 min Scan# 6891
Delta R.T. -0.02 min
Lab File: VL037068.D
Acq: 1 Jun 2021 13:49

Tgt Ion:142 Resp: 11603
Ion Ratio Lower Upper
142 100
141 91.9 69.3 103.9
115 42.9 29.1 43.7

