

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036621.D
 Acq On : 1 Apr 2021 4:08
 Operator : SY/AP
 Sample : M1841-08DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 06:07:53 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1489839	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.19	114	3523865	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.11	117	3163909	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	2504280	9.93	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	27929	0.115	ppbv 96
3) Chlorodifluoromethane	3.00	51	89199	0.320	ppbv # 88
4) Chloromethane	3.15	50	44159	0.449	ppbv 96
9) Propene	3.02	41	239925	2.704	ppbv 89
10) Heptane	8.14	43	103540	0.458	ppbv 99
11) Trichlorofluoromethane	3.96	101	42971	0.174	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.50	101	3617	0.023	ppbv # 11
13) Ethanol	3.62	45	1444639	136.708	ppbv 93
15) Acetone	3.86	43	21476763	146.464	ppbv # 69
16) 1,3-Butadiene	3.32	39	2014759	19.736	ppbv # 20
17) tert-Butyl alcohol	4.31	59	1963009	15.378	ppbv 98
19) Isopropyl Alcohol	3.99	45	587105	7.278	ppbv # 89
20) Methylene Chloride	4.36	84	868885	12.656	ppbv 94
21) Allyl Chloride	4.37	41	46709	0.400	ppbv # 17
23) Vinyl Acetate	5.07	43	50600	0.202	ppbv # 56
25) Ethyl Acetate	5.70	43	1230752	3.530	ppbv # 78
26) Hexane	5.70	57	1679209	10.380	ppbv # 47
28) Methyl tert-Butyl Ether	5.06	73	13527	0.071	ppbv # 3
30) Cyclohexane	7.15	84	13425	0.102	ppbv # 1
34) 2-Butanone	5.26	43	2966313	17.245	ppbv 96
36) Benzene	6.91	78	57332	0.176	ppbv 95
39) 1,2-Dichloropropane	7.20	63	941547	7.142	ppbv # 23
41) Tetrahydrofuran	6.08	42	36430	0.459	ppbv # 13
44) 2,2,4-Trimethylpentane	7.89	57	370881	0.648	ppbv 89
50) 4-Methyl-2-Pentanone	8.78	43	9106	0.037	ppbv # 1
51) 2-Hexanone	10.13	43	544864	4.338	ppbv # 33
53) Toluene	9.83	91	1902959	5.498	ppbv 100
58) Ethyl Benzene	12.73	91	183551	0.399	ppbv 99
59) m/p-Xylene	12.99	91	1183772	2.948	ppbv 94
60) o-Xylene	13.72	91	322947	0.832	ppbv # 33
61) Styrene	13.55	104	10955	0.056	ppbv # 10
62) Isopropylbenzene	14.70	105	60670	0.116	ppbv 98
64) n-propylbenzene	15.58	120	20901	0.164	ppbv # 1
66) Benzyl Chloride	17.01	91	1320	0.026	ppbv # 1
67) sec-Butylbenzene	17.32	105	13936	0.022	ppbv # 59
70) n-Butylbenzene	18.59	91	14571	0.028	ppbv # 33
72) 4-Ethyltoluene	15.86	105	244335	0.574	ppbv 97
73) 1,3,5-Trimethylbenzene	16.02	105	333202	0.839	ppbv 97
74) 1,2,4-Trimethylbenzene	16.78	105	1056528	2.487	ppbv # 69
79) Naphthalene	22.23	128	9731	0.039	ppbv # 62
80) Naphthalene,2-methyl-	24.98	142	1766	0.036	ppbv # 66

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Quant Time: Apr 01 06:07:53 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration

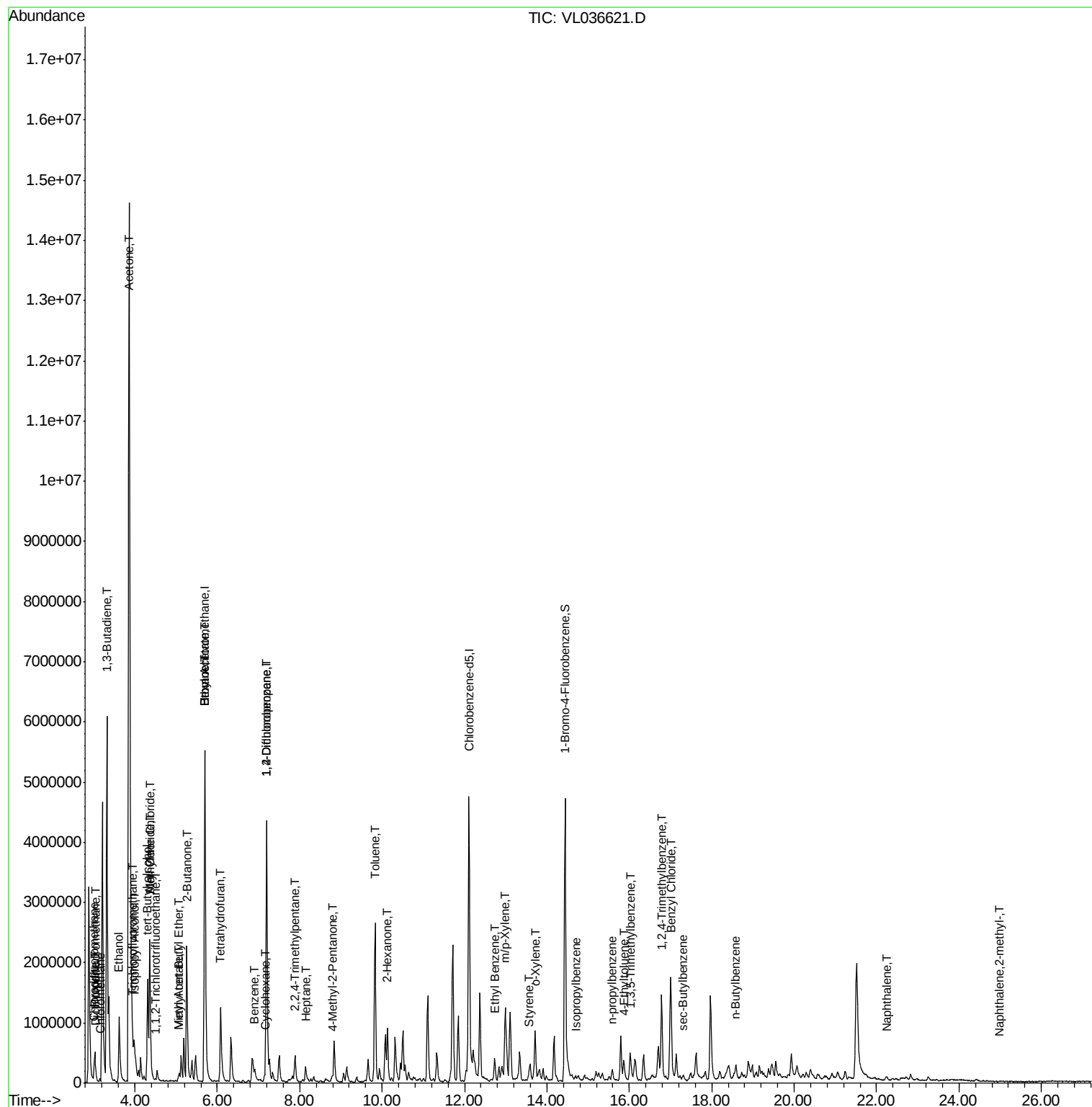
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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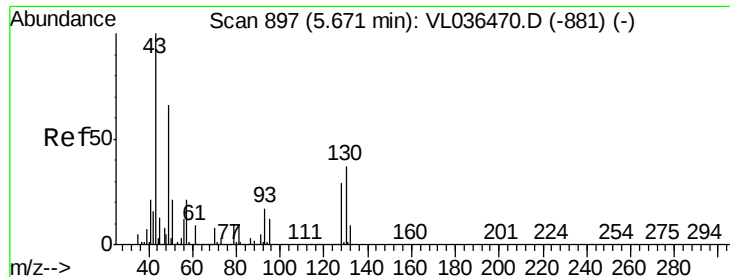
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

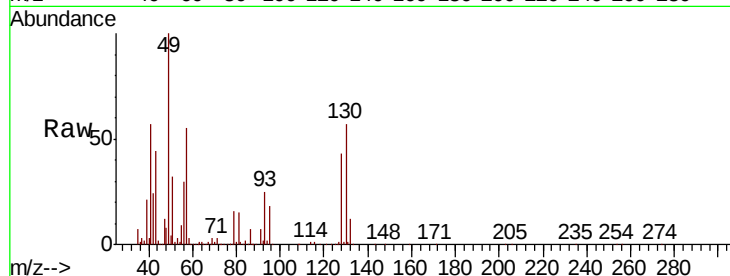
Tot Ion: 49 Resp: 1489839

Ion Ratio Lower Upper

49 100

128 45.1 23.5 70.6

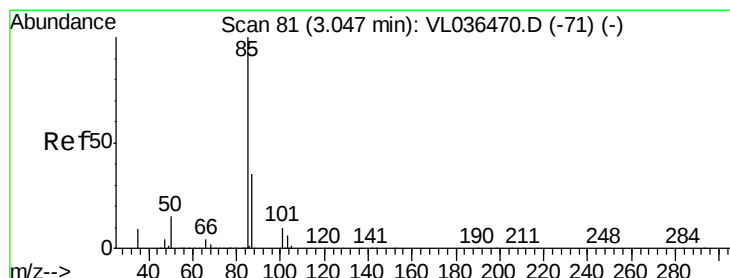
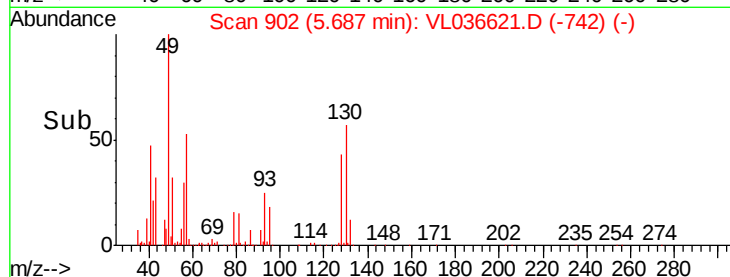
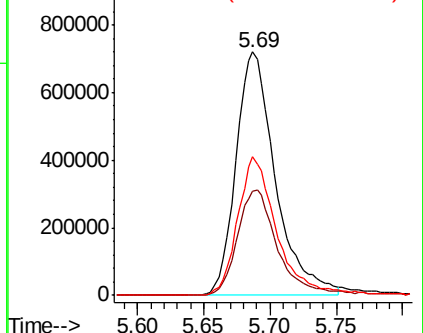
130 57.4 29.1 87.4



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: 0.115 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL036621.D

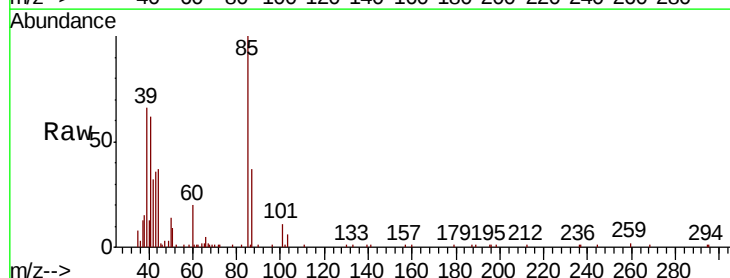
Acq: 1 Apr 2021 4:08

Tgt Ion: 85 Resp: 27929

Ion Ratio Lower Upper

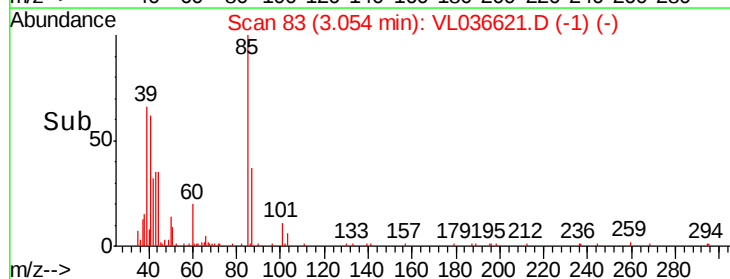
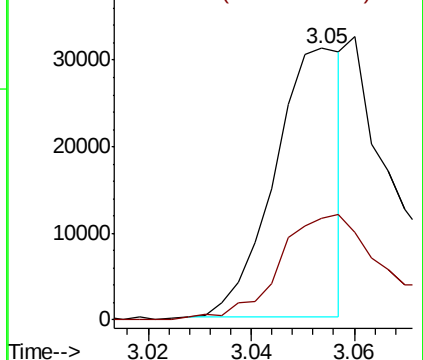
85 100

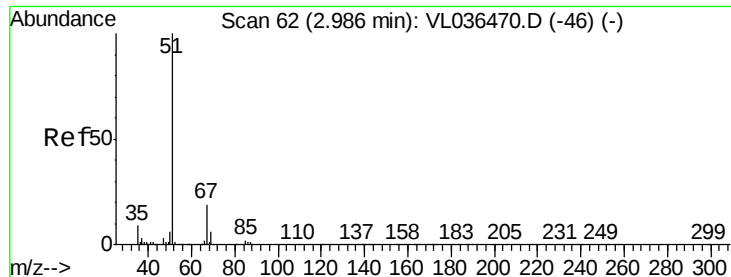
87 37.1 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

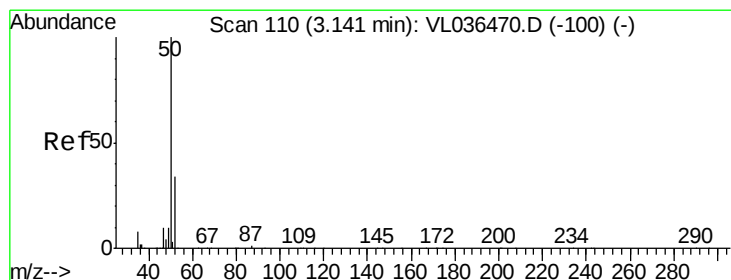
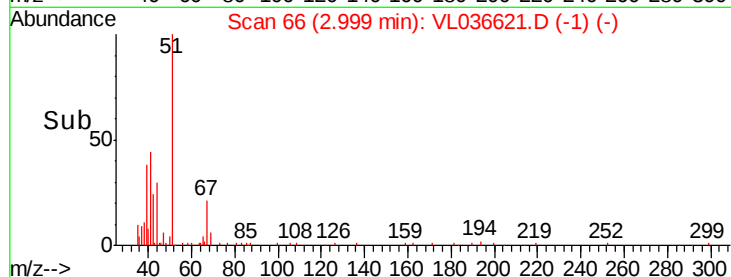
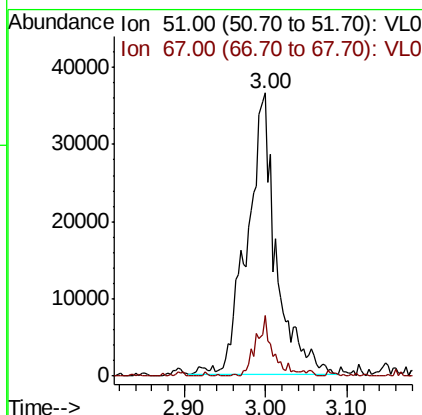
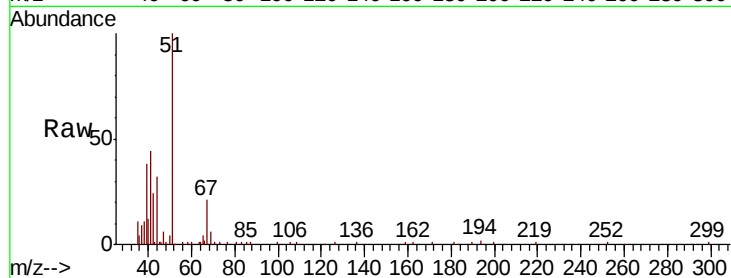




#3
Chlorodifluoromethane
Concen: 0.320 ppbv
RT: 3.00 min Scan# 66
Delta R.T. 0.01 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

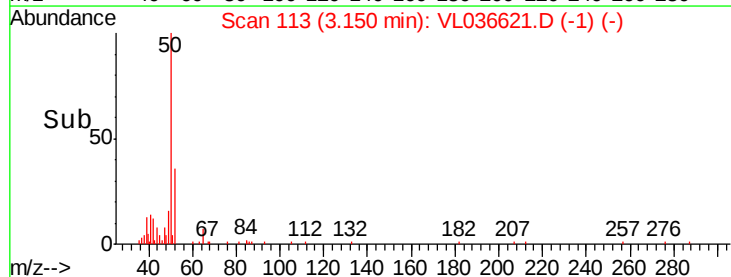
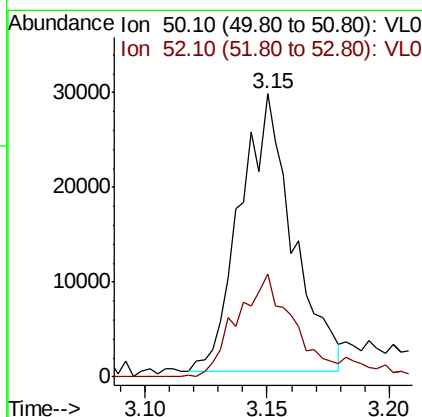
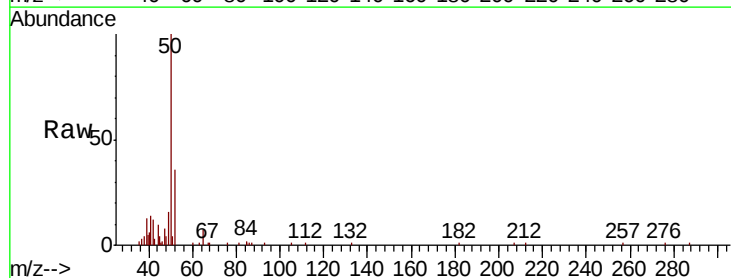
Instrument :
MSVOA_L
ClientSampled :

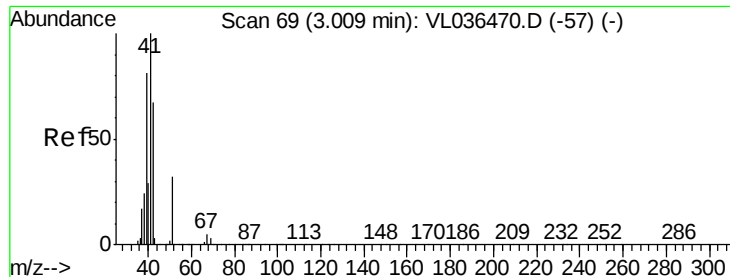
Tot Ion: 51 Resp: 89199
Ion Ratio Lower Upper
51 100
67 13.1 14.7 22.1#



#4
Chloromethane
Concen: 0.449 ppbv
RT: 3.15 min Scan# 113
Delta R.T. 0.01 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 50 Resp: 44159
Ion Ratio Lower Upper
50 100
52 36.3 27.0 40.6





#9

Propene

Concen: 2.704 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.01 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

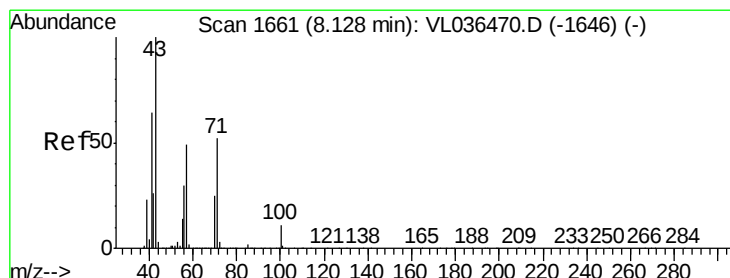
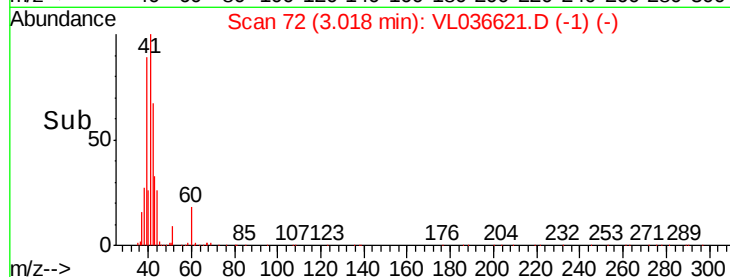
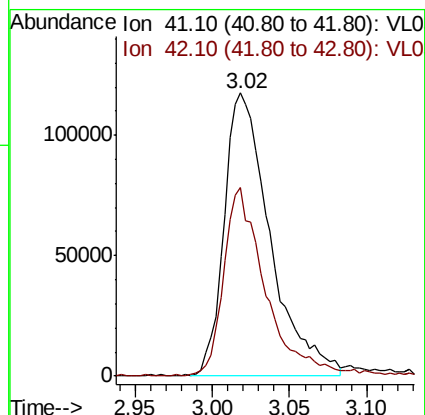
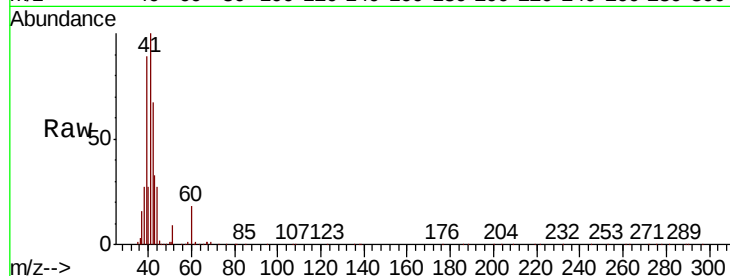
ClientSampleId :

Tot Ion: 41 Resp: 239925

Ion Ratio Lower Upper

41 100

42 61.9 57.0 85.4



#10

Heptane

Concen: 0.458 ppbv

RT: 8.14 min Scan# 1666

Delta R.T. 0.02 min

Lab File: VL036621.D

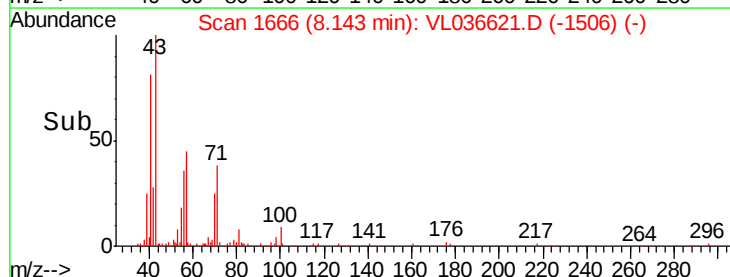
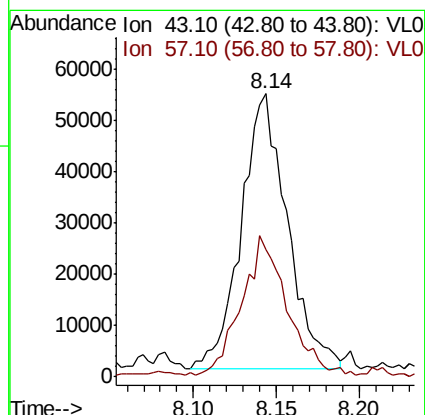
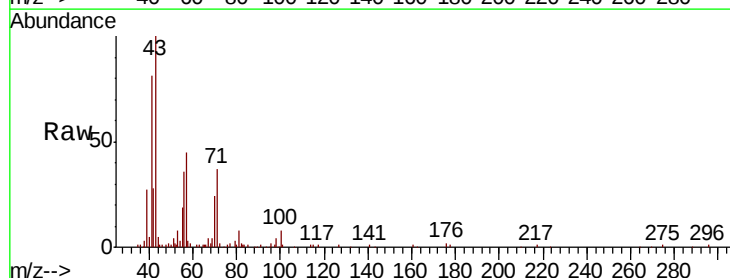
Acq: 1 Apr 2021 4:08

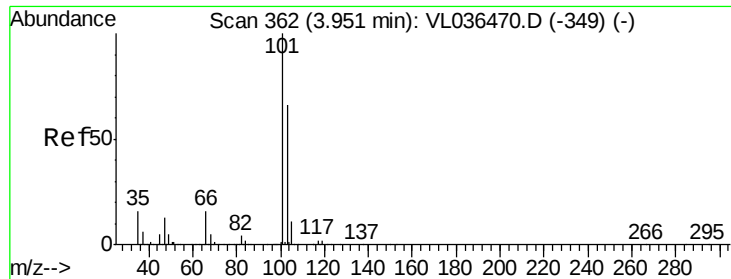
Tgt Ion: 43 Resp: 103540

Ion Ratio Lower Upper

43 100

57 49.4 39.0 58.6

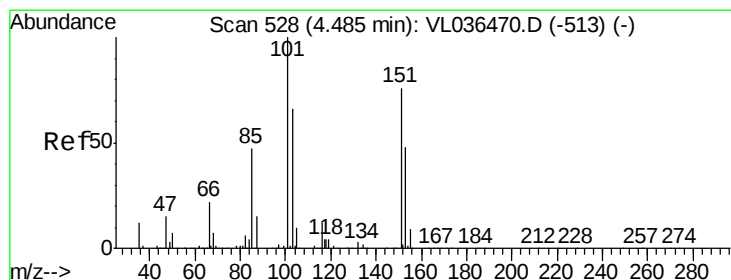
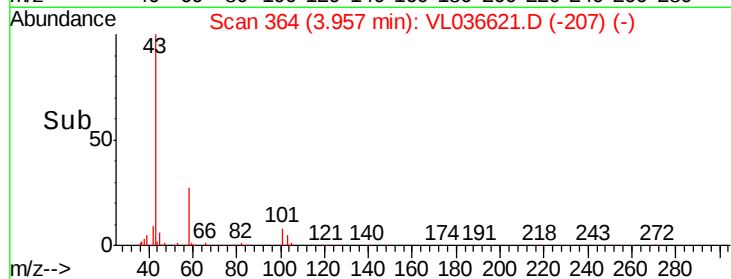
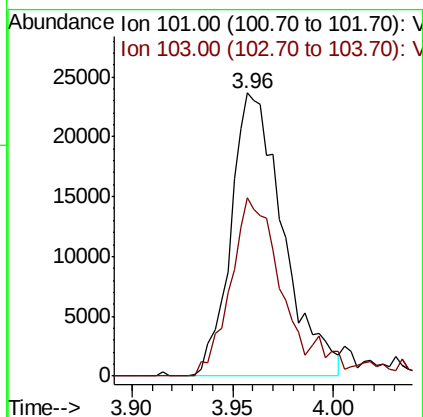
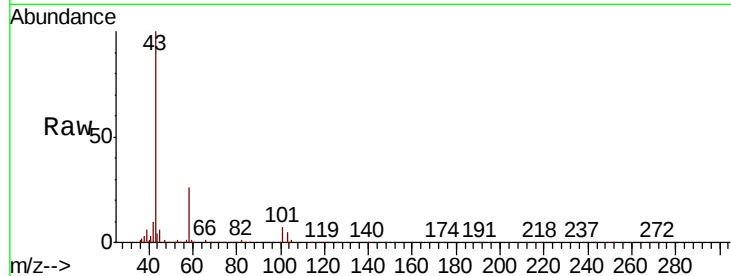




#11
 Trichlorofluoromethane
 Concen: 0.174 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.01 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

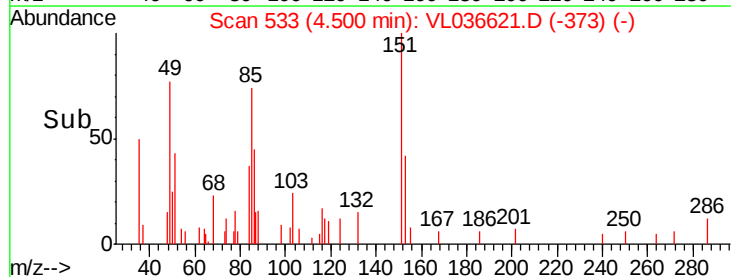
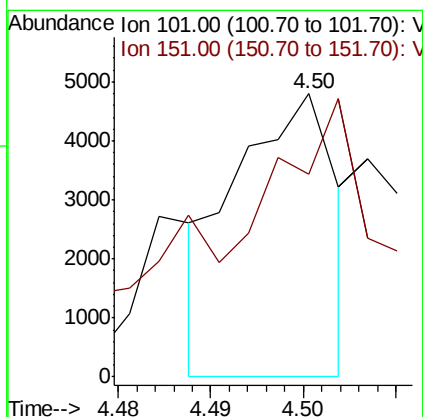
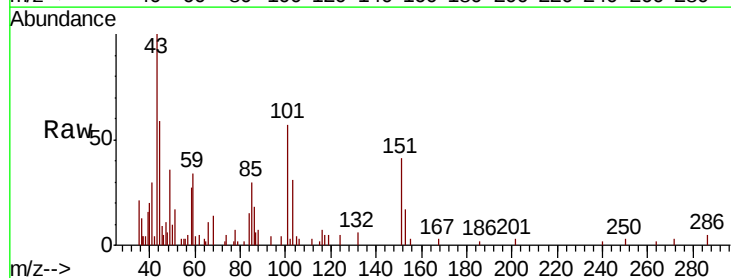
Instrument :
 MSVOA_L
 ClientSampleId :

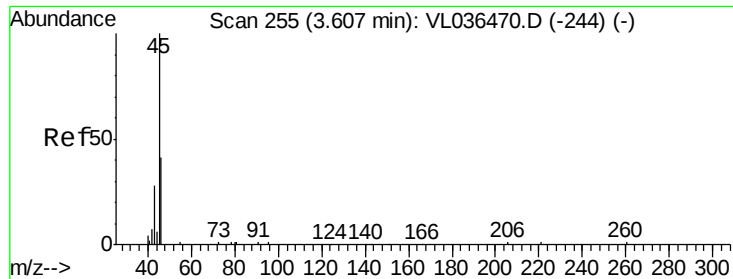
Tot Ion:101 Resp: 42971
 Ion Ratio Lower Upper
 101 100
 103 63.2 52.5 78.7



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.023 ppbv
 RT: 4.50 min Scan# 533
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Tgt Ion:101 Resp: 3617
 Ion Ratio Lower Upper
 101 100
 151 0.0 60.9 91.3#

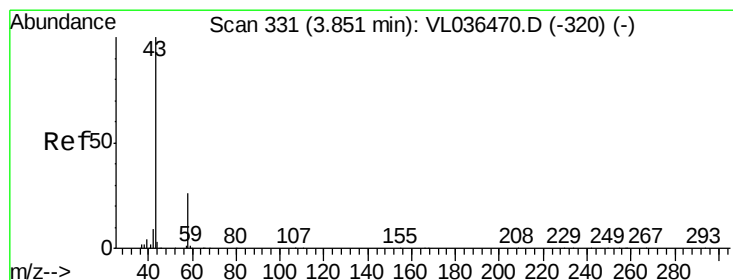
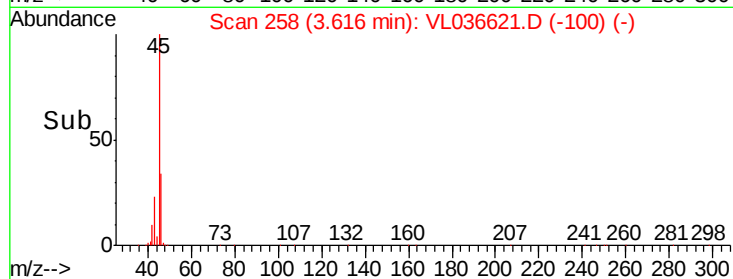
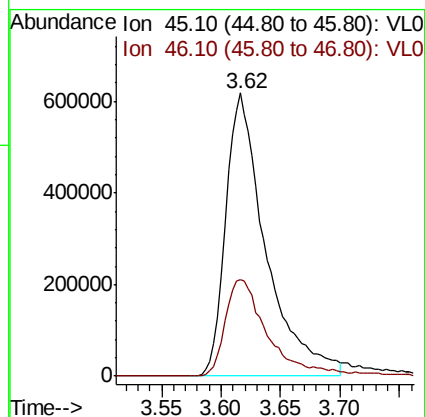
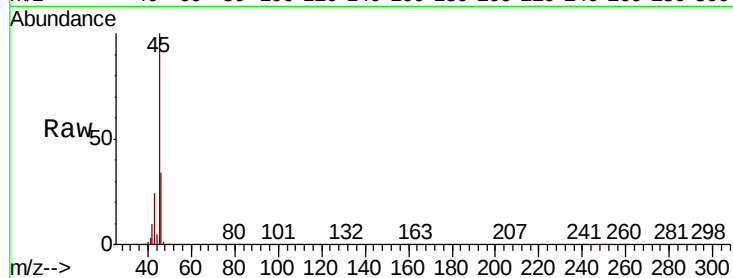




#13
Ethanol
Concen: 136.708 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.01 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

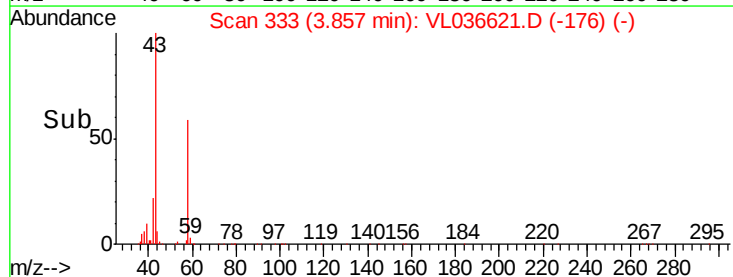
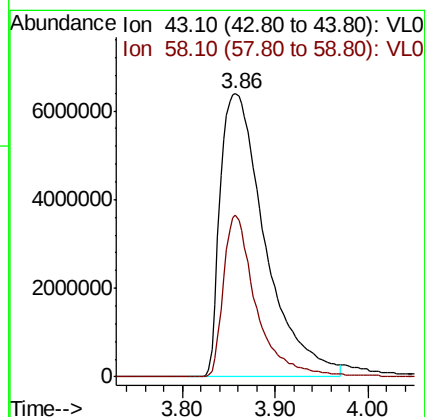
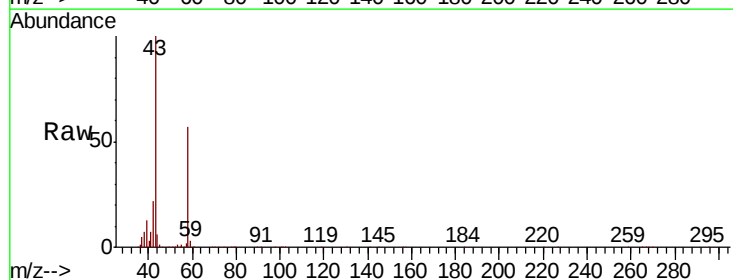
Instrument :
MSVOA_L
ClientSampleId :

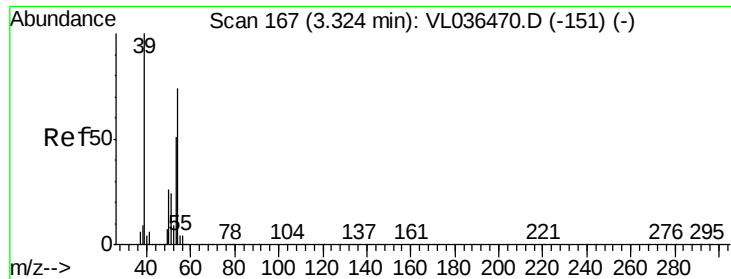
Tot Ion: 45 Resp: 1444639
Ion Ratio Lower Upper
45 100
46 37.1 16.6 66.2



#15
Acetone
Concen: 146.464 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.01 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 43 Resp: 21476763
Ion Ratio Lower Upper
43 100
58 42.3 21.2 31.8#





#16

1,3-Butadiene

Concen: 19.736 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

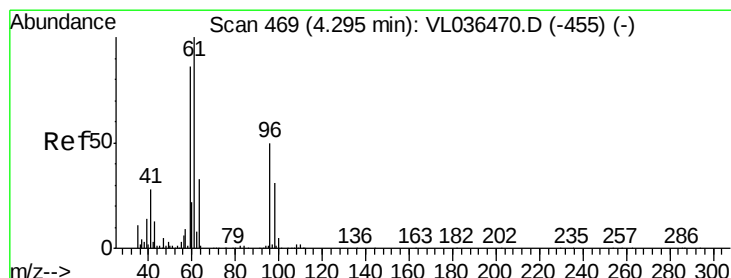
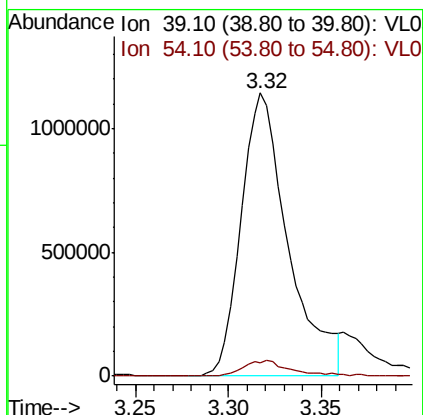
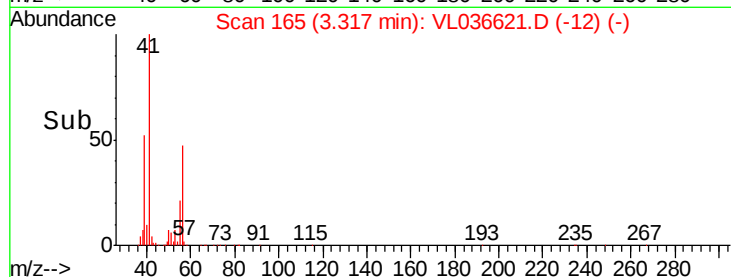
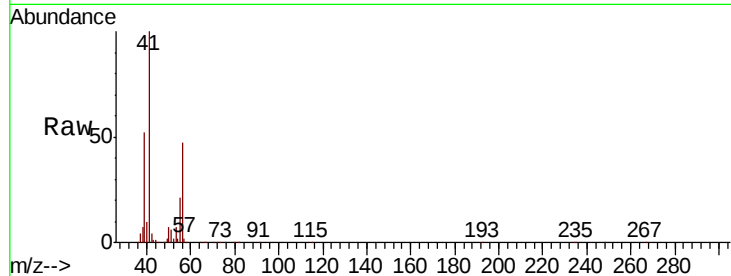
ClientSampleId :

Tot Ion: 39 Resp: 2014759

Ion Ratio Lower Upper

39 100

54 6.1 58.8 88.2#



#17

tert-Butyl alcohol

Concen: 15.378 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.01 min

Lab File: VL036621.D

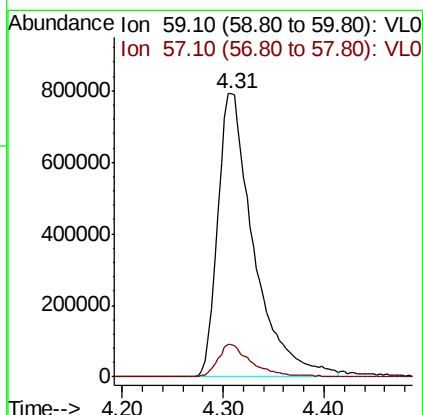
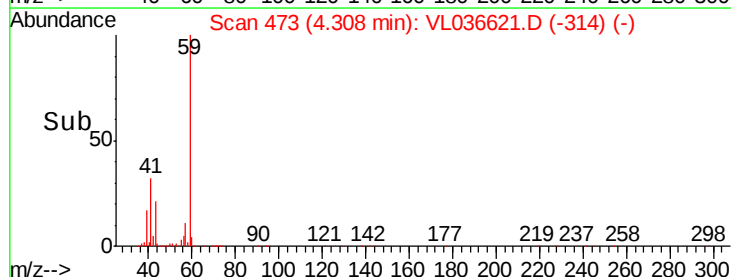
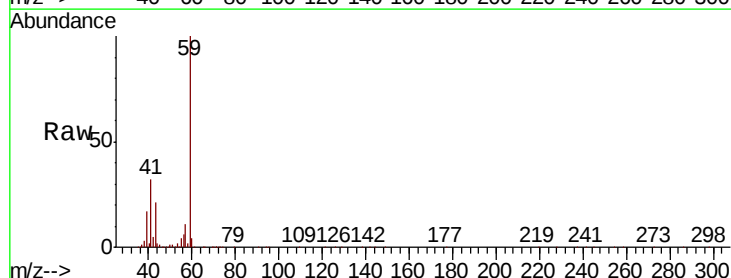
Acq: 1 Apr 2021 4:08

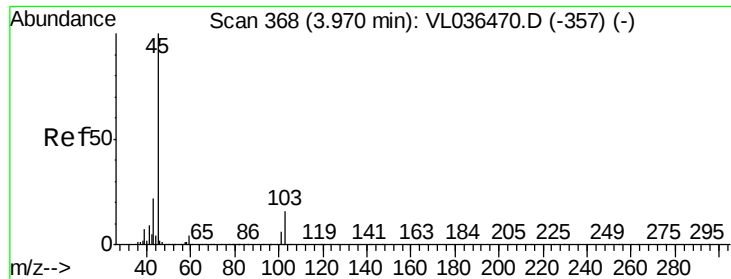
Tgt Ion: 59 Resp: 1963009

Ion Ratio Lower Upper

59 100

57 11.3 8.6 12.8



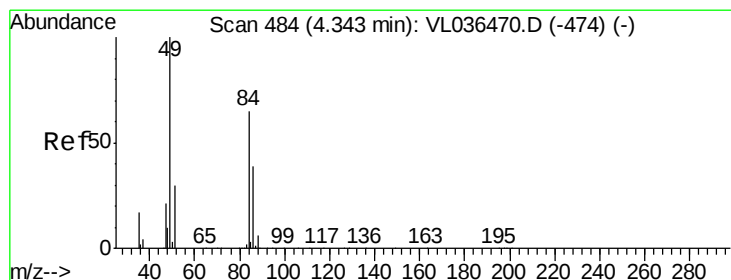
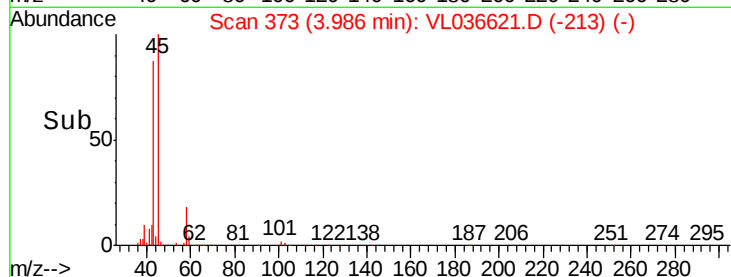
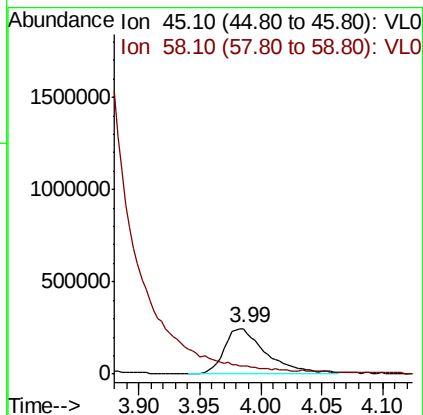
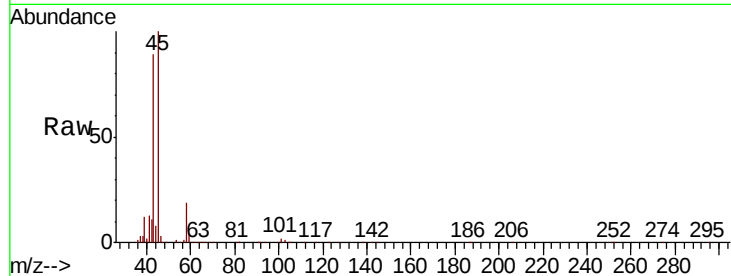


#19

Isopropyl Alcohol
 Concen: 7.278 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :

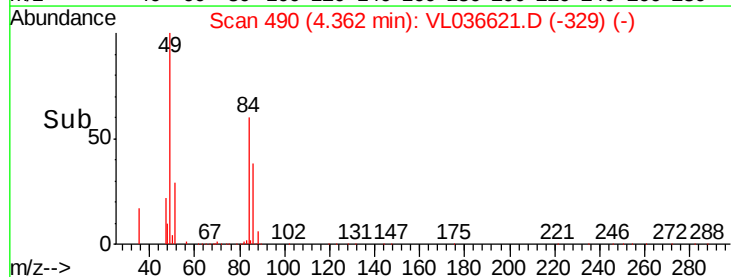
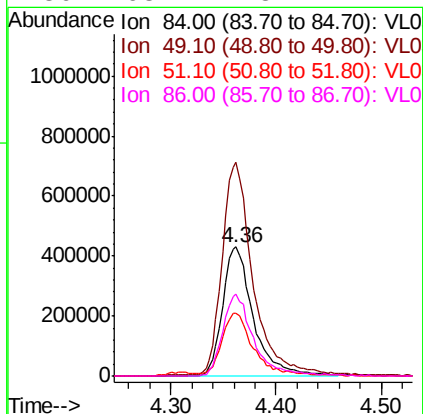
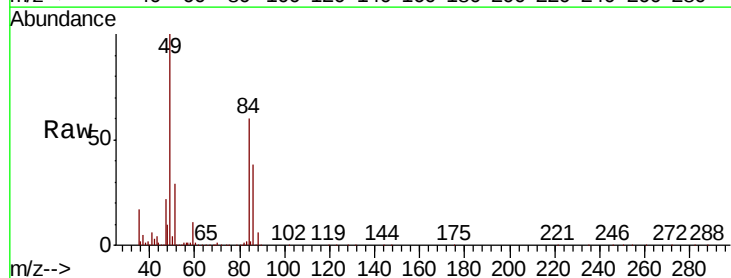
Tot Ion: 45 Resp: 587105
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.9 4.3#

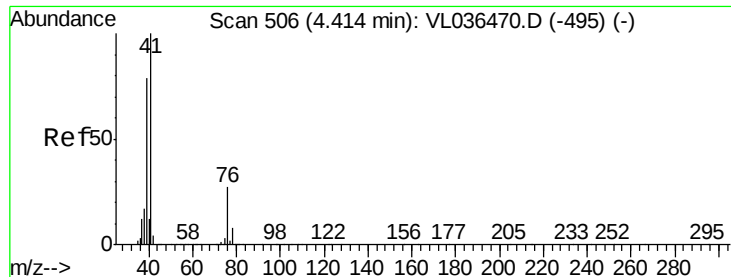


#20

Methylene Chloride
 Concen: 12.656 ppbv
 RT: 4.36 min Scan# 490
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Tgt Ion: 84 Resp: 868885
 Ion Ratio Lower Upper
 84 100
 49 164.5 122.9 184.3
 51 47.7 36.9 55.3
 86 63.1 48.2 72.4

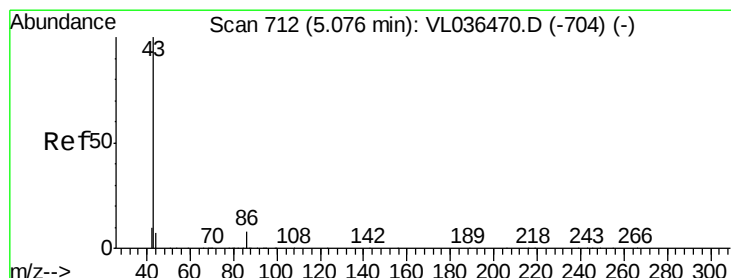
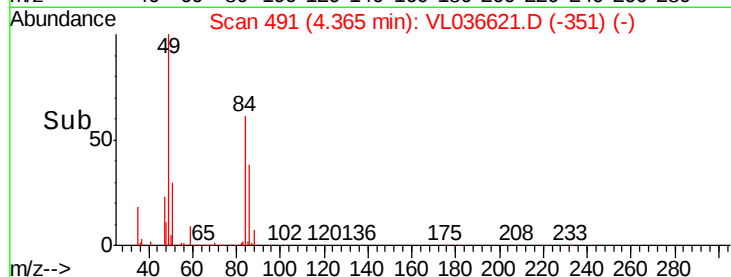
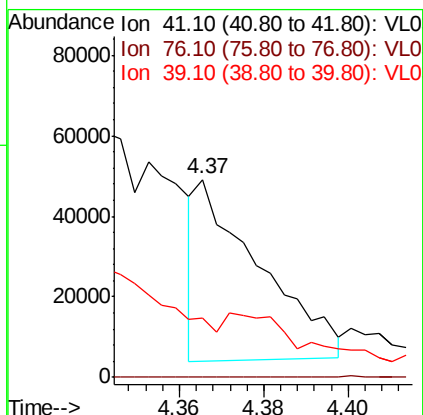
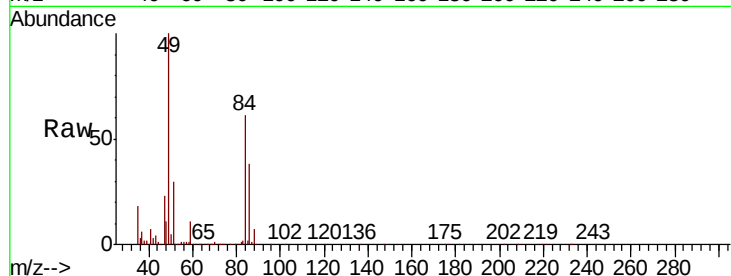




#21
Allvl Chloride
Concen: 0.400 ppbv
RT: 4.37 min Scan# 491
Delta R.T. -0.05 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

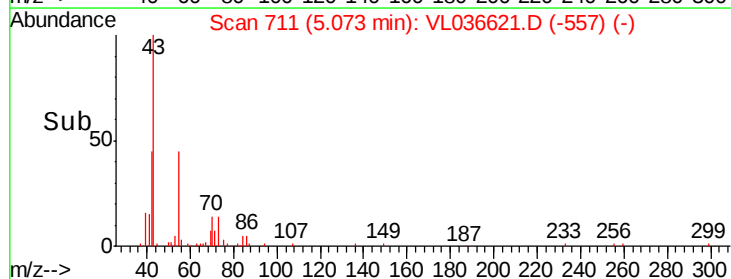
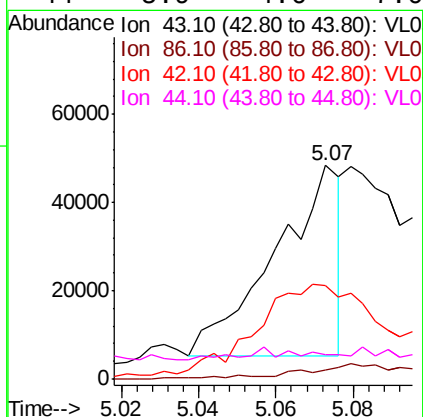
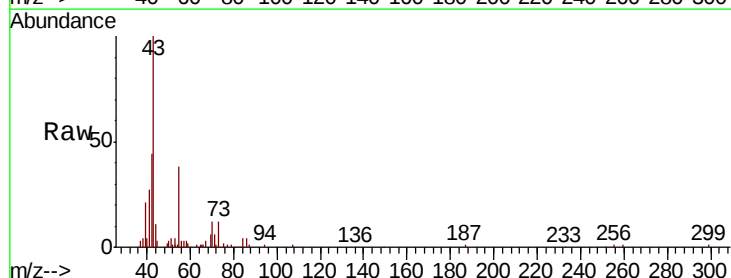
Instrument :
MSVOA_L
ClientSampleId :

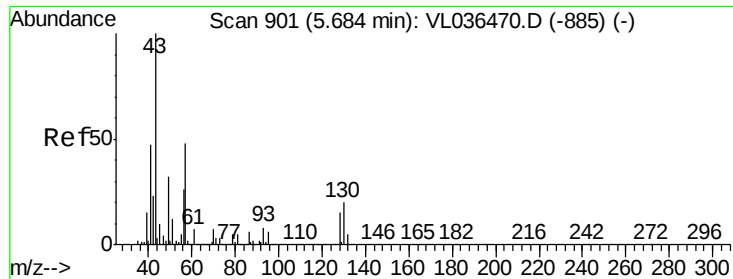
Tot Ion: 41 Resp: 46709
Ion Ratio Lower Upper
41 100
76 0.6 22.9 34.3#
39 0.0 67.3 100.9#



#23
Vinyl Acetate
Concen: 0.202 ppbv
RT: 5.07 min Scan# 711
Delta R.T. -0.00 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 43 Resp: 50600
Ion Ratio Lower Upper
43 100
86 3.6 5.4 8.0#
42 44.4 8.5 12.7#
44 5.9 4.6 7.0

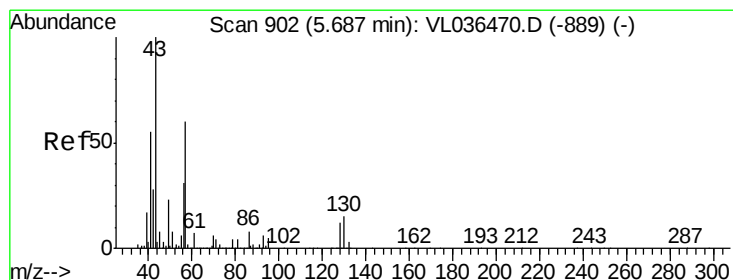
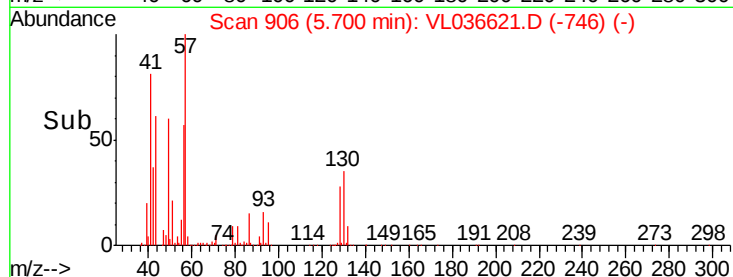
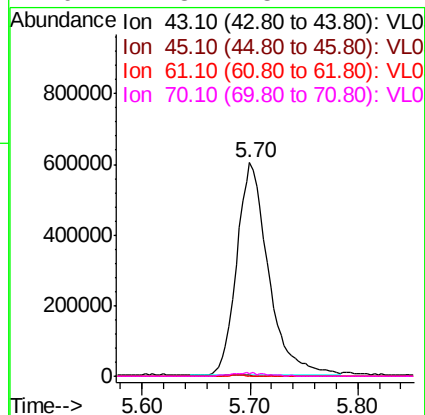
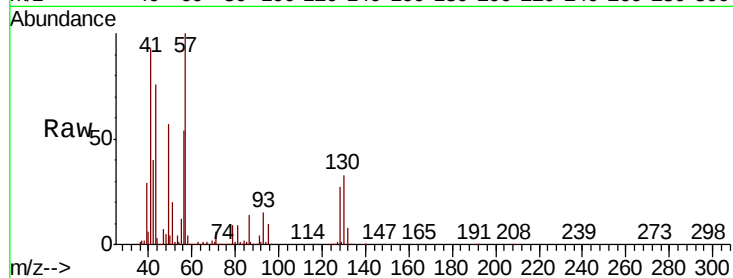




#25
Ethyl Acetate
Concen: 3.530 ppbv
RT: 5.70 min Scan# 906
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

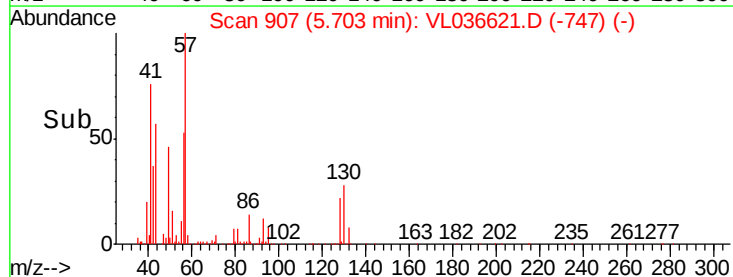
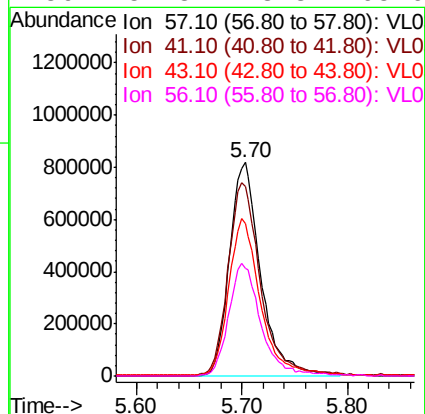
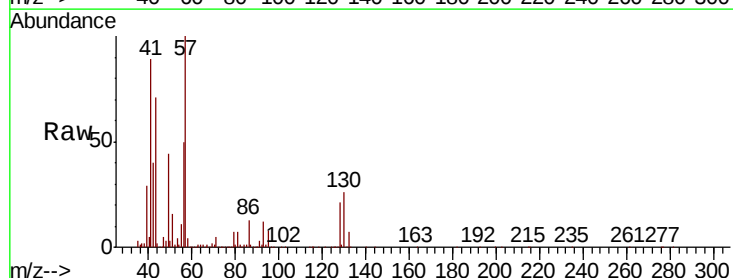
Instrument :
MSVOA_L
ClientSampleId :

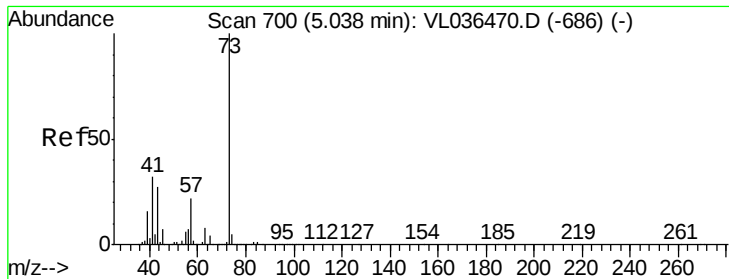
Tot Ion: 43 Resp: 1230752
Ion Ratio Lower Upper
43 100
45 0.8 7.9 11.9#
61 0.5 7.4 11.2#
70 1.8 5.1 7.7#



#26
Hexane
Concen: 10.380 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 57 Resp: 1679209
Ion Ratio Lower Upper
57 100
41 95.0 77.2 115.8
43 74.8 173.8 260.6#
56 54.8 43.8 65.6



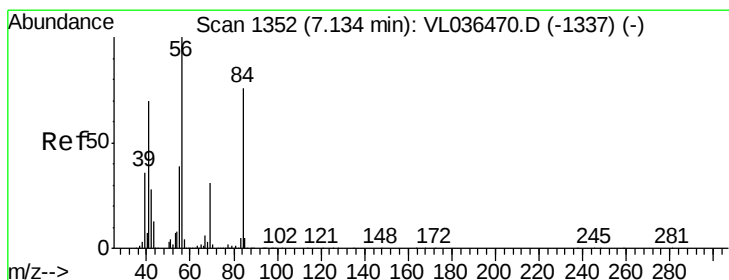
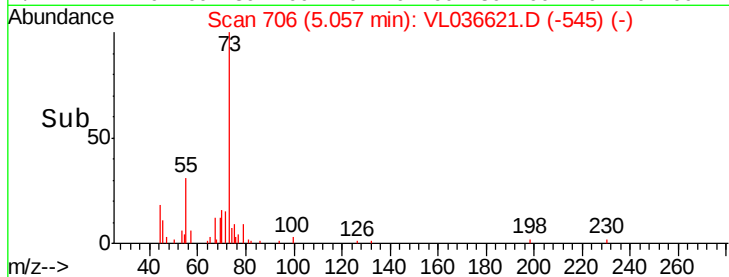
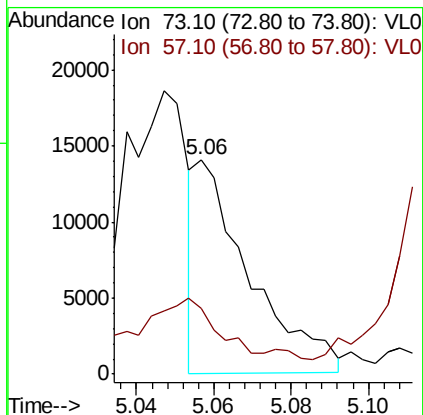
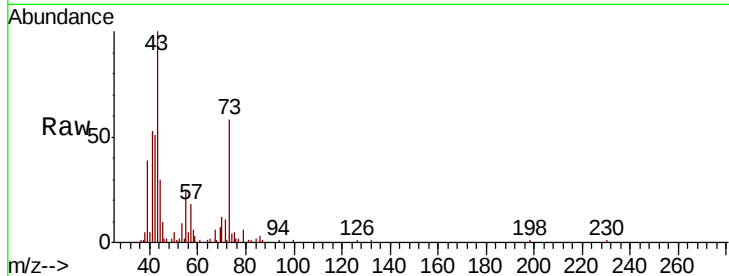


#28

Methvl tert-Butvl Ether
 Concen: 0.071 ppbv
 RT: 5.06 min Scan# 706
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Instrument :
 MSVOA_L
 ClientSampleId :

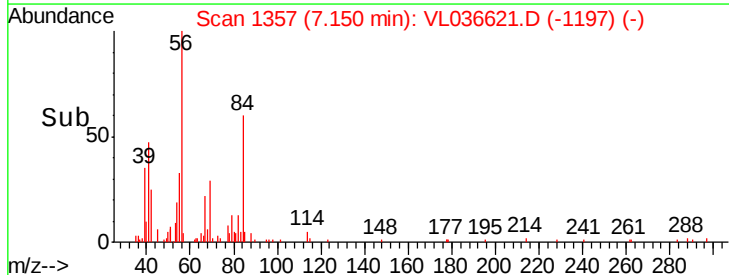
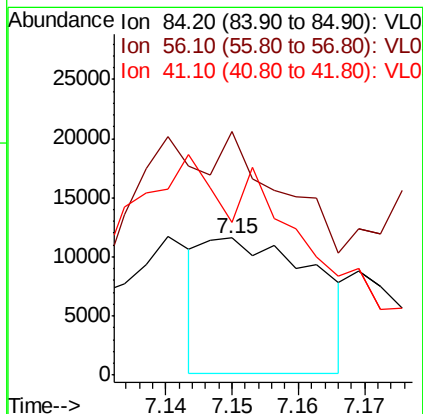
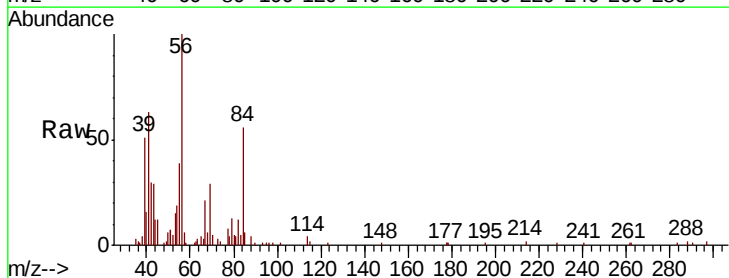
Tot Ion: 73 Resp: 13527
 Ion Ratio Lower Upper
 73 100
 57 70.4 18.5 27.7#

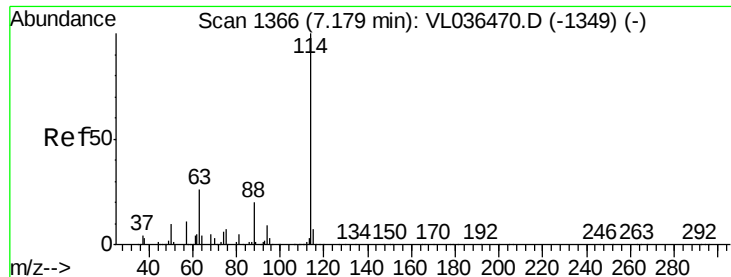


#30

Cyclohexane
 Concen: 0.102 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Tgt Ion: 84 Resp: 13425
 Ion Ratio Lower Upper
 84 100
 56 290.2 114.6 171.8#
 41 0.0 75.3 112.9#

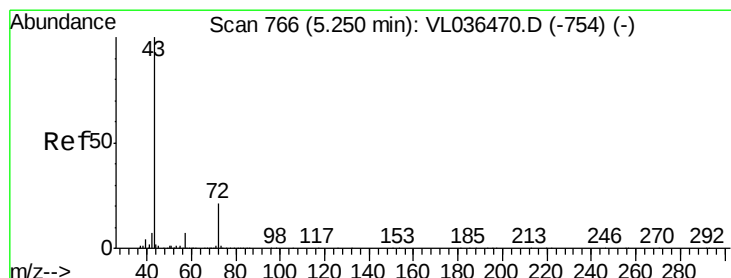
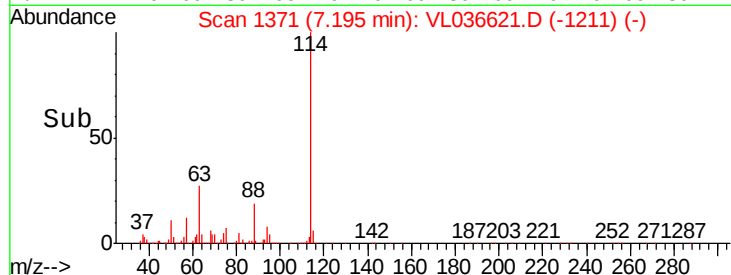
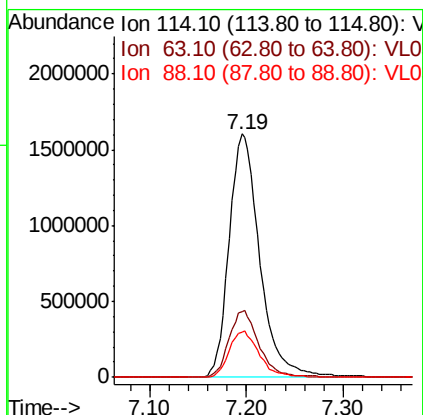
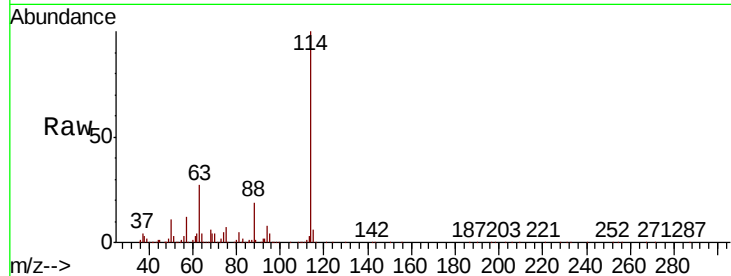




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1371
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

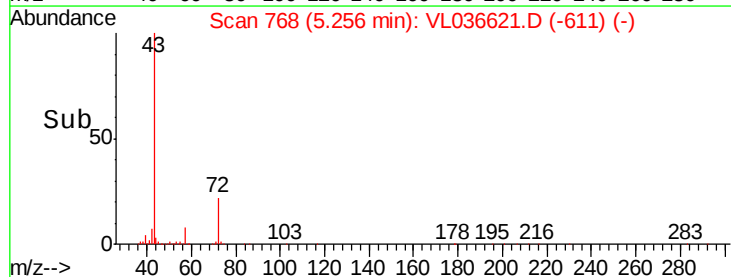
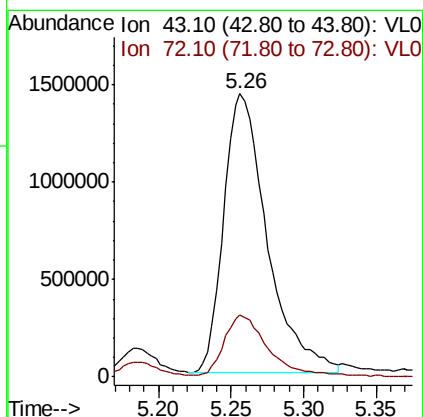
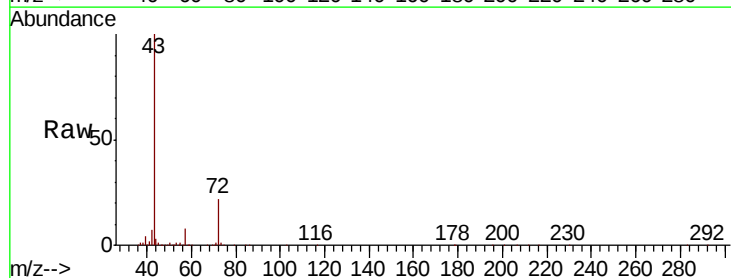
Instrument :
 MSVOA_L
 ClientSampleId :

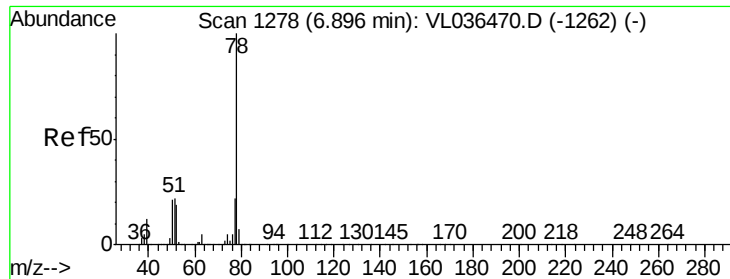
Tot Ion:114 Resp: 3523865
 Ion Ratio Lower Upper
 114 100
 63 27.4 22.4 33.6
 88 19.0 15.4 23.0



#34
 2-Butanone
 Concen: 17.245 ppbv
 RT: 5.26 min Scan# 768
 Delta R.T. 0.01 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Tgt Ion: 43 Resp: 2966313
 Ion Ratio Lower Upper
 43 100
 72 23.3 17.0 25.6





#36

Benzene

Concen: 0.176 ppbv

RT: 6.91 min Scan# 1283

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

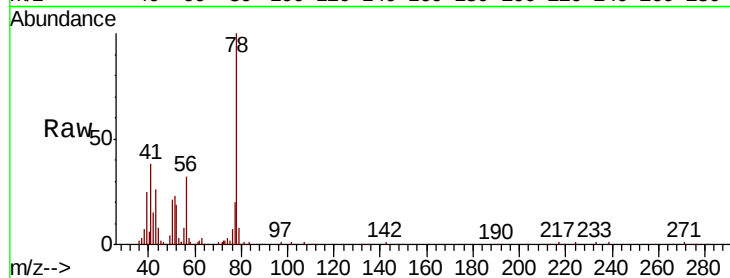
Tot Ion: 78 Resp: 57332

Ion Ratio Lower Upper

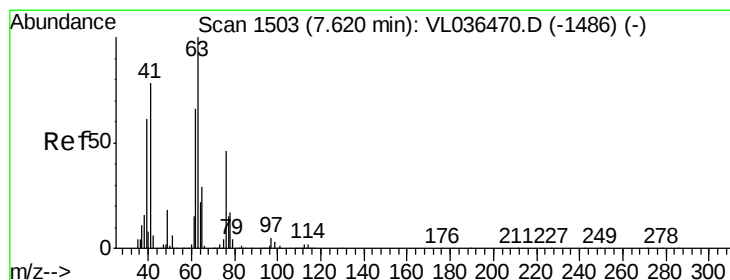
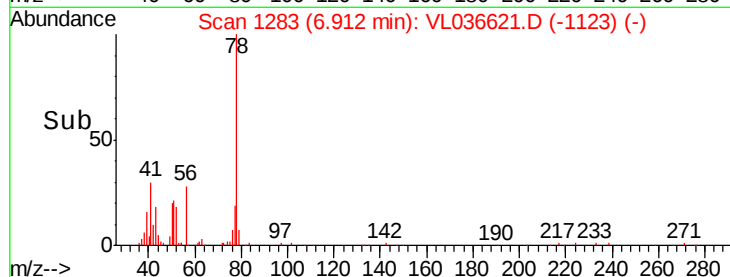
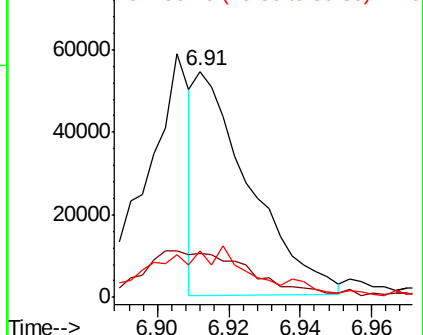
78 100

77 18.7 18.0 27.0

50 20.3 16.5 24.7



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#39

1,2-Dichloropropane

Concen: 7.142 ppbv

RT: 7.20 min Scan# 1372

Delta R.T. -0.42 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

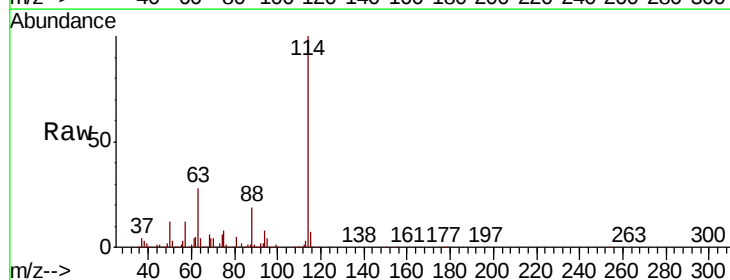
Tgt Ion: 63 Resp: 941547

Ion Ratio Lower Upper

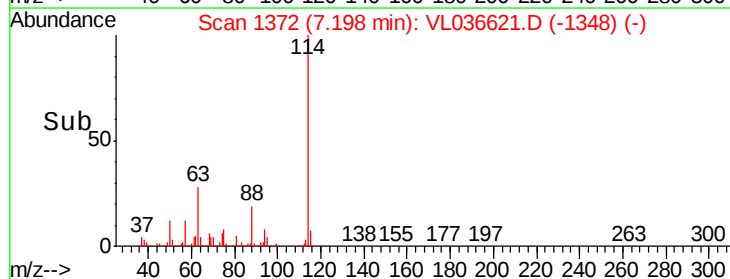
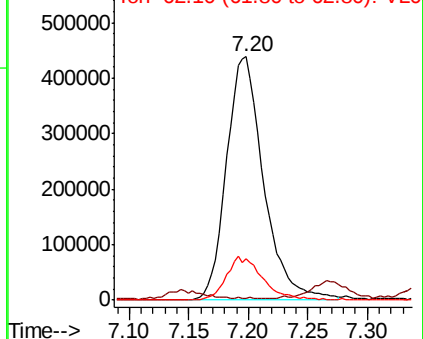
63 100

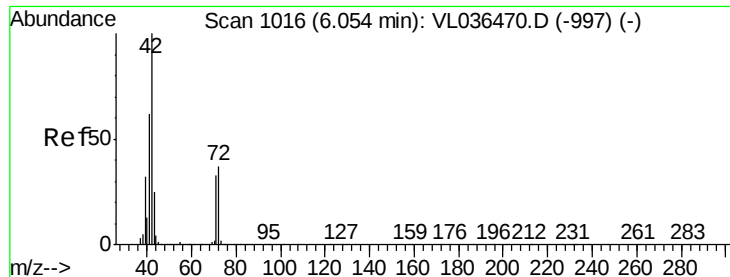
41 0.0 62.4 93.6#

62 17.0 52.8 79.2#



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: 0.459 ppbv

RT: 6.08 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

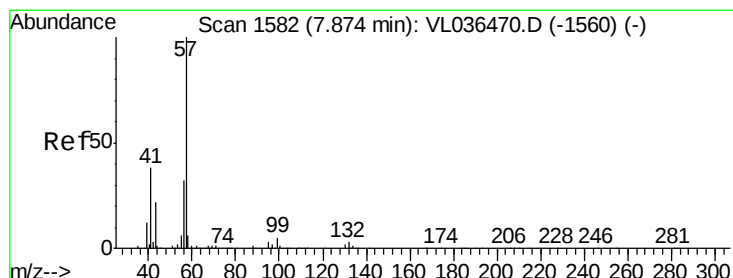
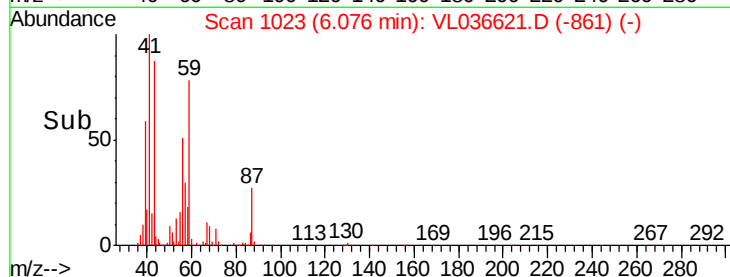
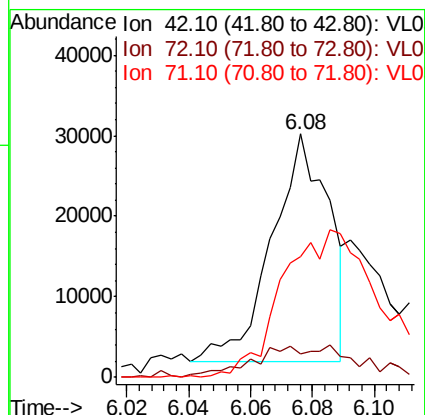
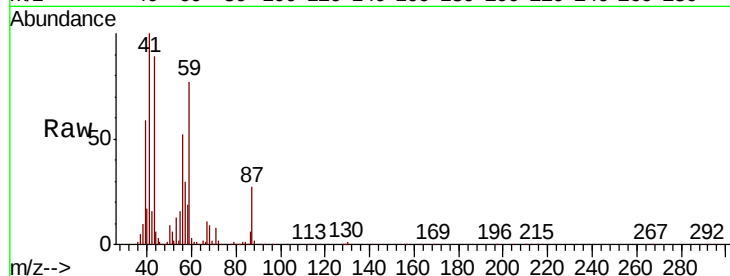
Tot Ion: 42 Resp: 36430

Ion Ratio Lower Upper

42 100

72 28.3 27.6 41.4

71 128.2 27.0 40.4#



#44

2,2,4-Trimethylpentane

Concen: 0.648 ppbv

RT: 7.89 min Scan# 1587

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

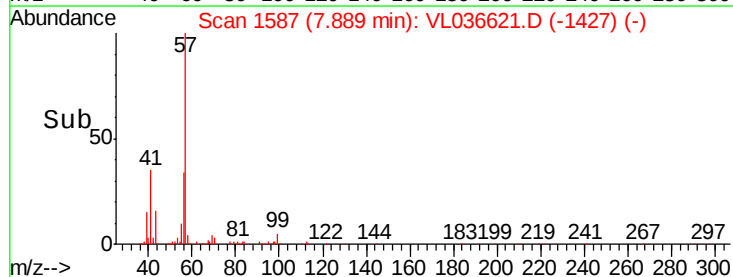
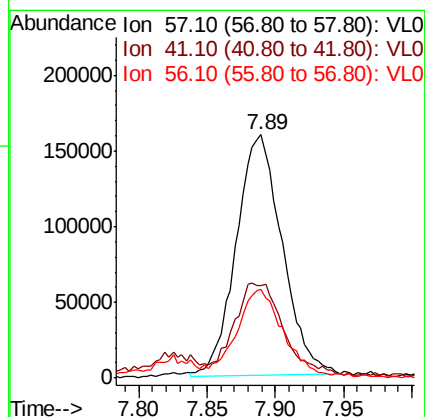
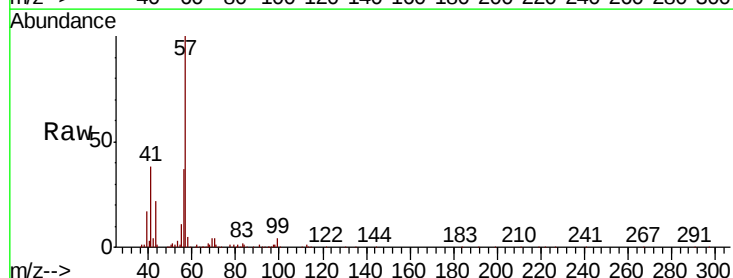
Tgt Ion: 57 Resp: 370881

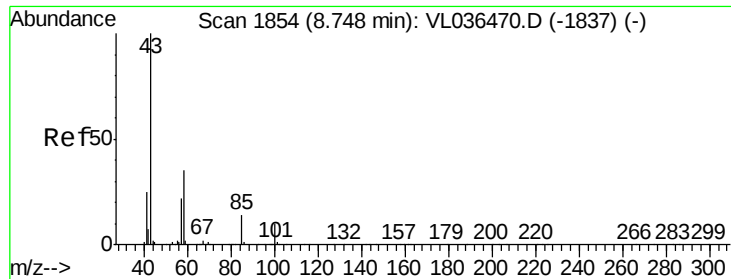
Ion Ratio Lower Upper

57 100

41 43.0 28.8 43.2

56 38.8 26.1 39.1

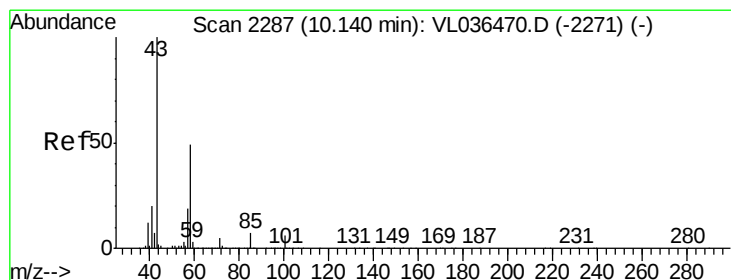
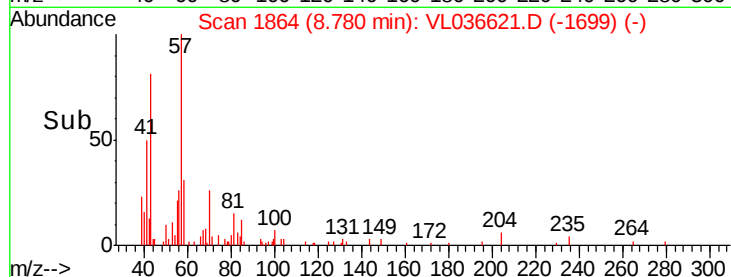
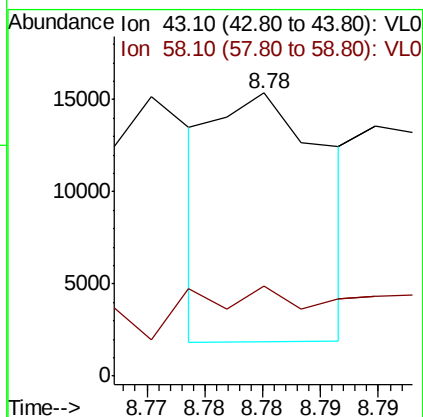
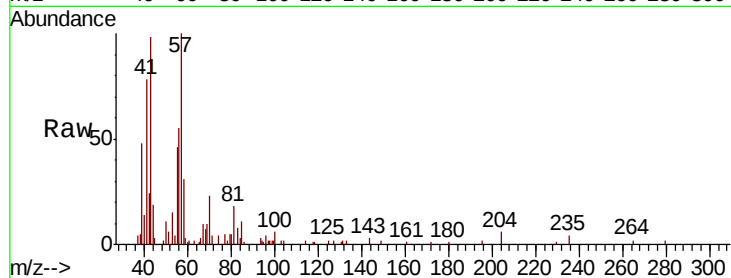




#50
4-Methyl-2-Pentanone
Concen: 0.037 ppbv
RT: 8.78 min Scan# 1864
Delta R.T. 0.03 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

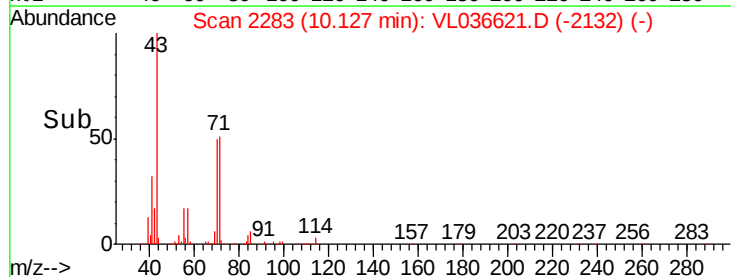
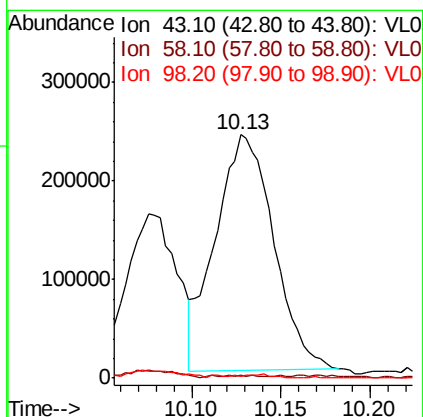
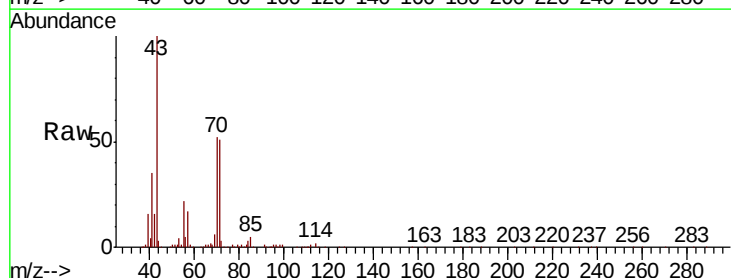
Instrument :
MSVOA_L
ClientSampleId :

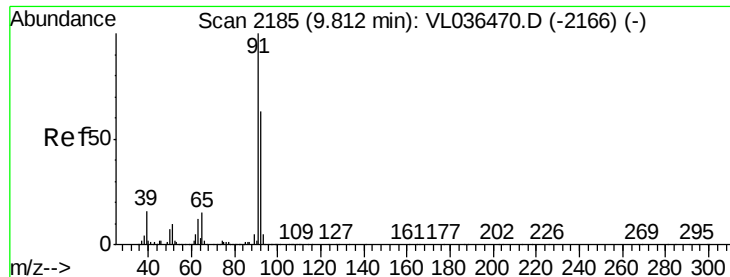
Tot Ion: 43 Resp: 9106
Ion Ratio Lower Upper
43 100
58 159.5 28.2 42.2#



#51
2-Hexanone
Concen: 4.338 ppbv
RT: 10.13 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 43 Resp: 544864
Ion Ratio Lower Upper
43 100
58 2.3 37.7 56.5#
98 1.4 0.2 0.2#





#53

Toluene

Concen: 5.498 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

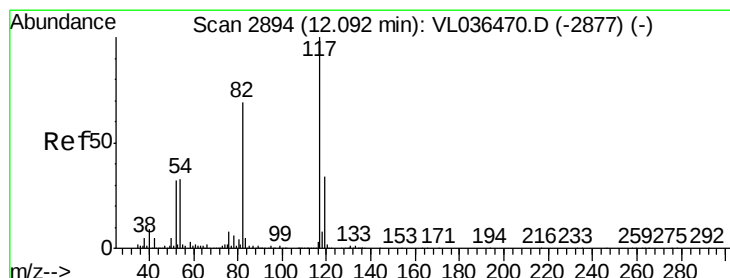
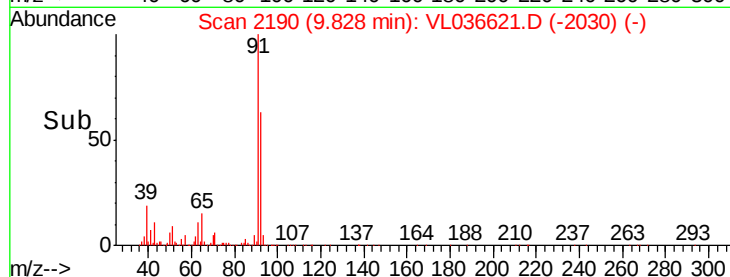
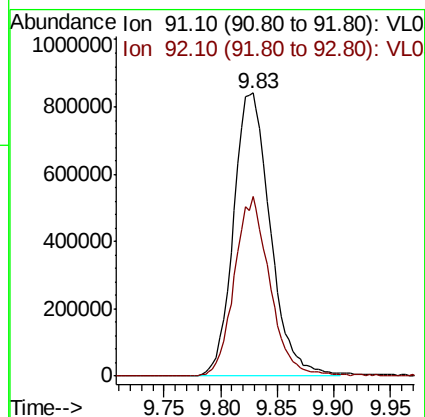
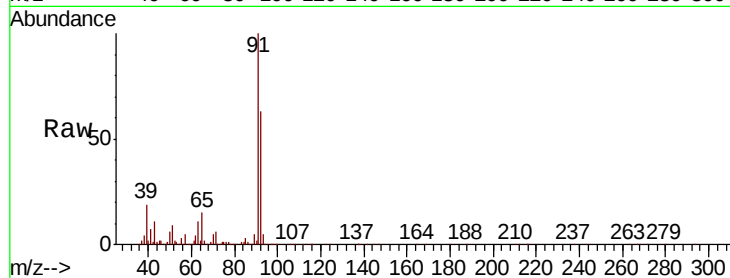
ClientSampleId :

Tot Ion: 91 Resp: 1902959

Ion Ratio Lower Upper

91 100

92 61.3 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

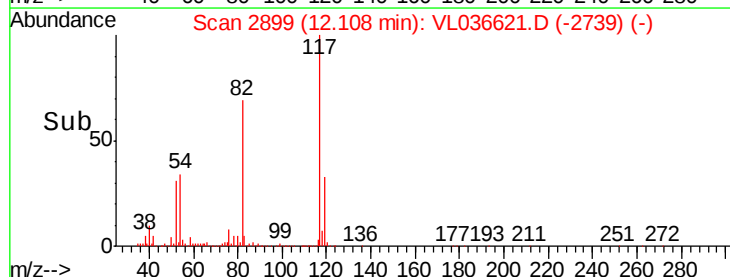
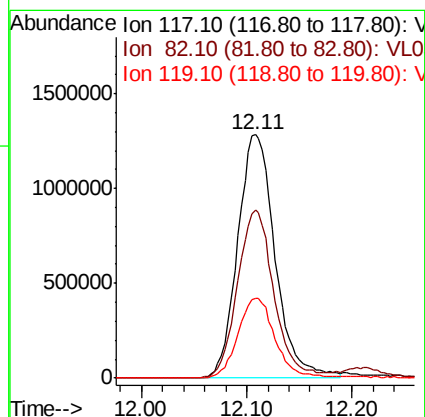
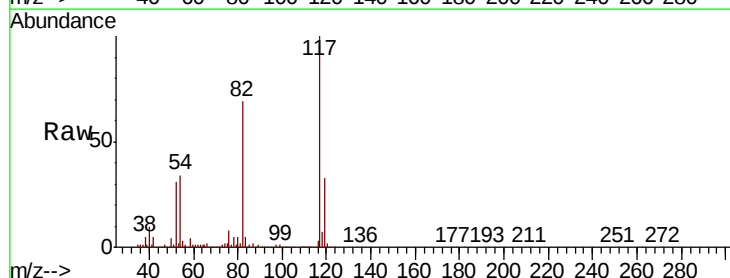
Tgt Ion: 117 Resp: 3163909

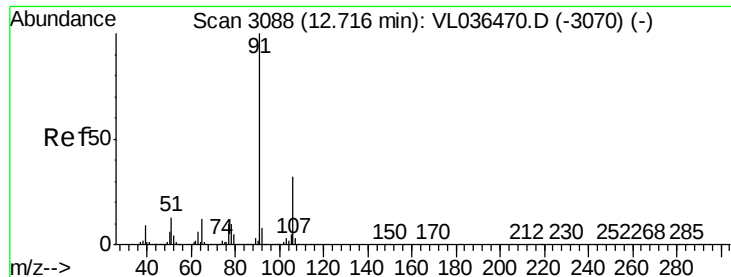
Ion Ratio Lower Upper

117 100

82 67.1 57.4 86.0

119 33.1 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.399 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

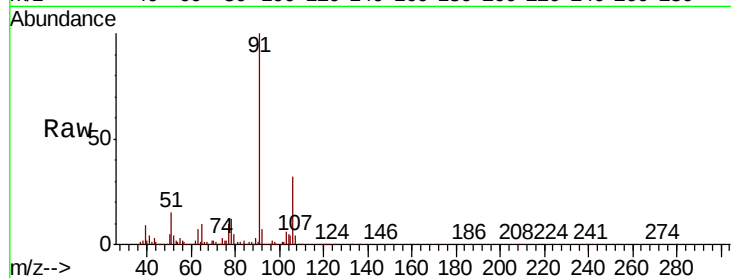
ClientSampled :

Tot Ion: 91 Resp: 183551

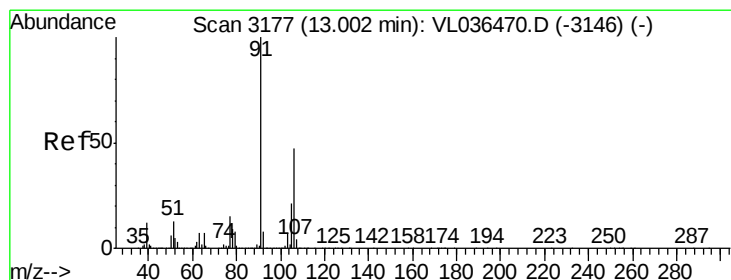
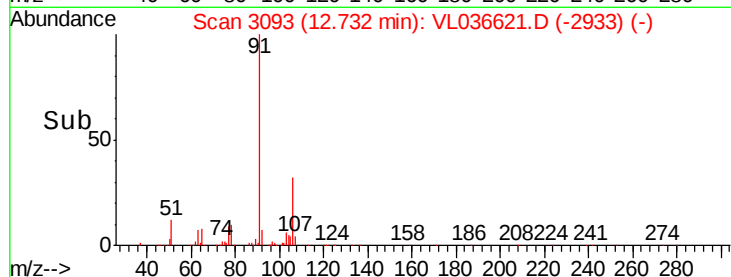
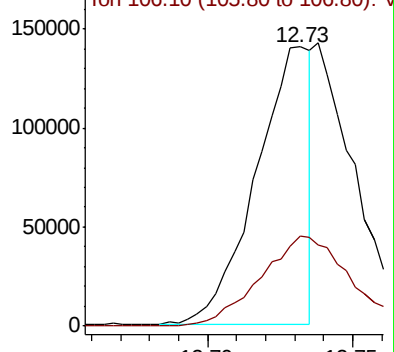
Ion Ratio Lower Upper

91 100

106 31.9 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0



#59

m/p-Xylene

Concen: 2.948 ppbv

RT: 12.99 min Scan# 3173

Delta R.T. -0.01 min

Lab File: VL036621.D

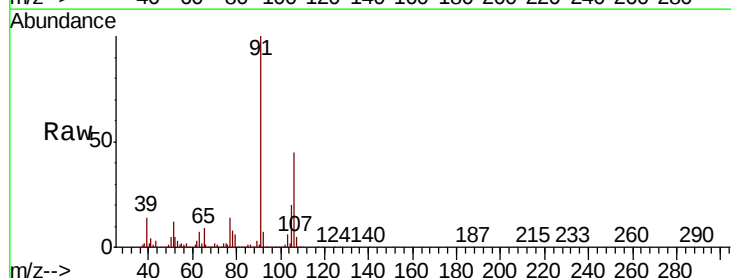
Acq: 1 Apr 2021 4:08

Tgt Ion: 91 Resp: 1183772

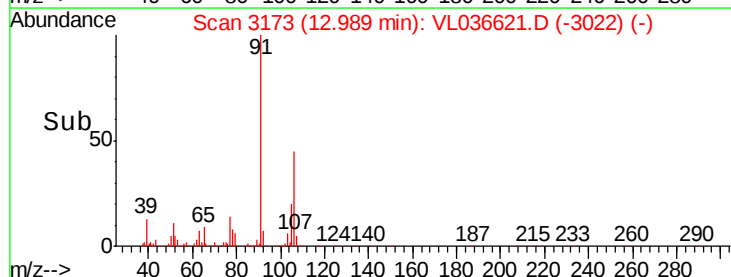
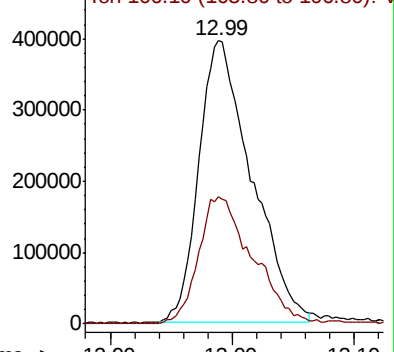
Ion Ratio Lower Upper

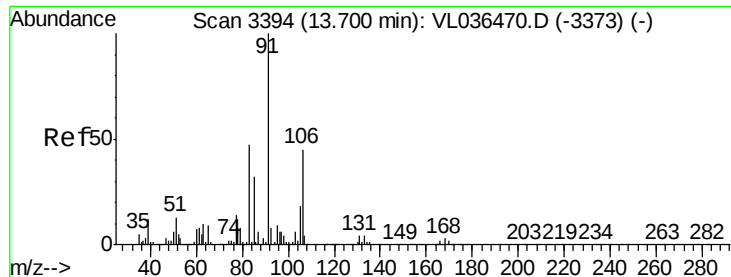
91 100

106 47.7 35.3 52.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

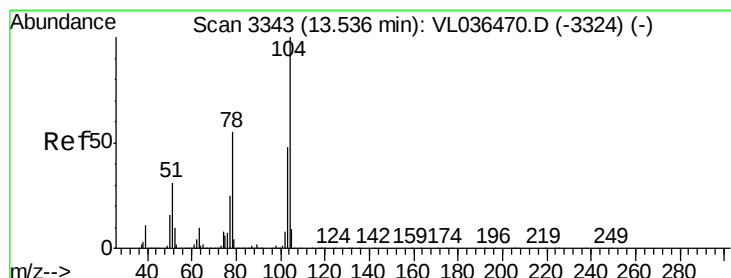
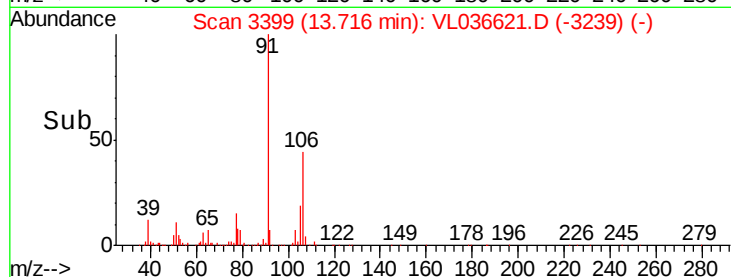
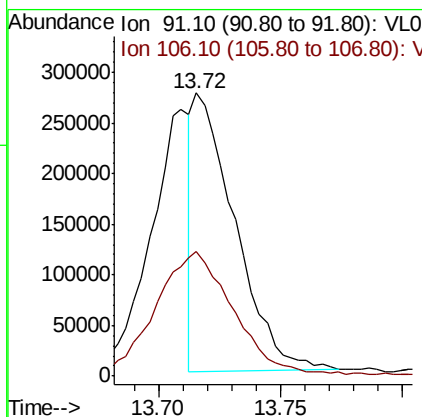
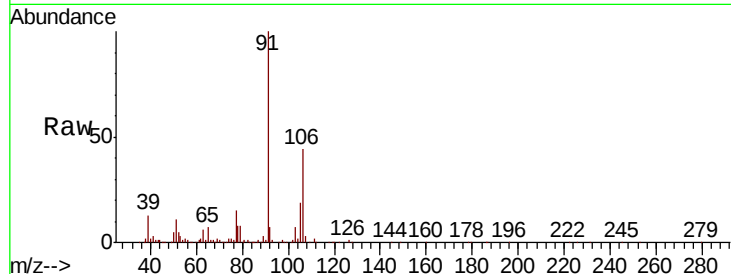




#60
o-Xylene
Concen: 0.832 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

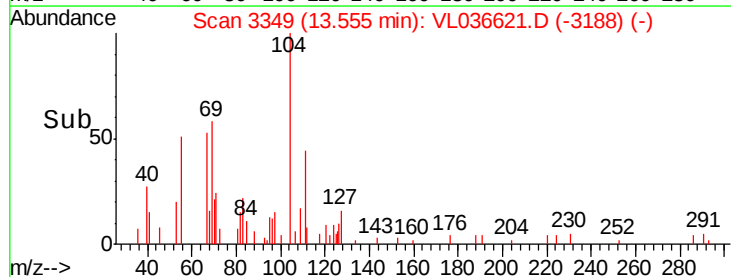
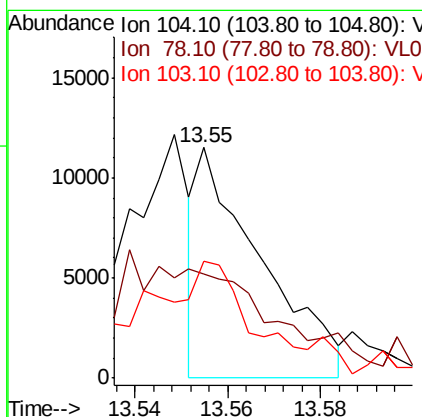
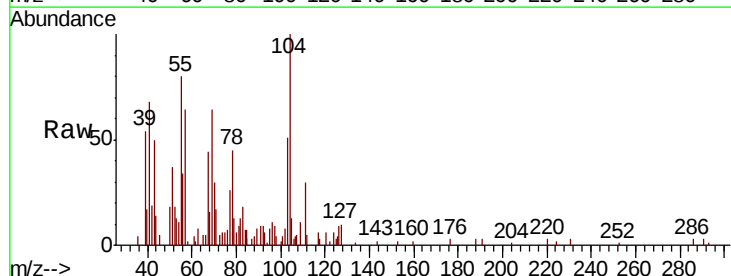
Instrument :
MSVOA_L
ClientSampleId :

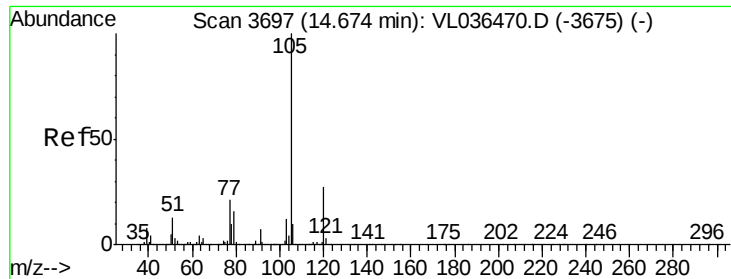
Tot Ion: 91 Resp: 322947
Ion Ratio Lower Upper
91 100
106 87.9 22.3 66.9#



#61
Styrene
Concen: 0.056 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 104 Resp: 10955
Ion Ratio Lower Upper
104 100
78 0.0 43.8 65.8#
103 119.1 38.3 57.5#





#62

Isopropylbenzene

Concen: 0.116 ppbv

RT: 14.70 min Scan# 3704

Delta R.T. 0.02 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

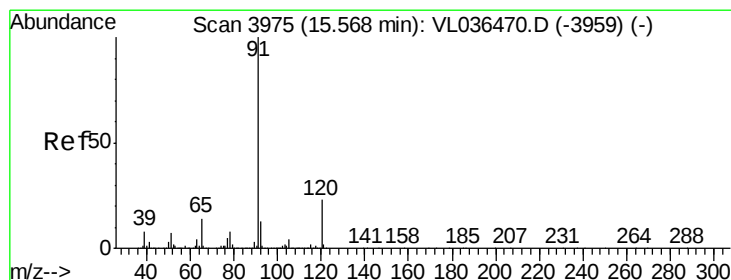
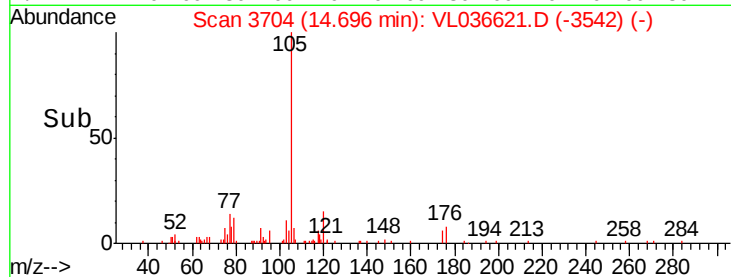
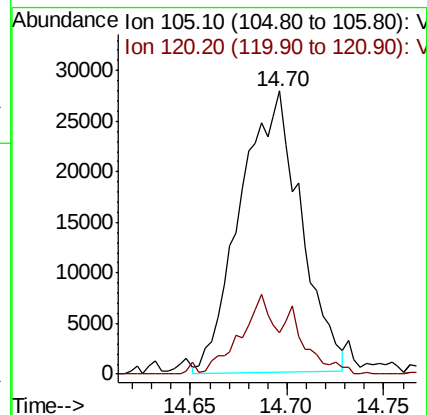
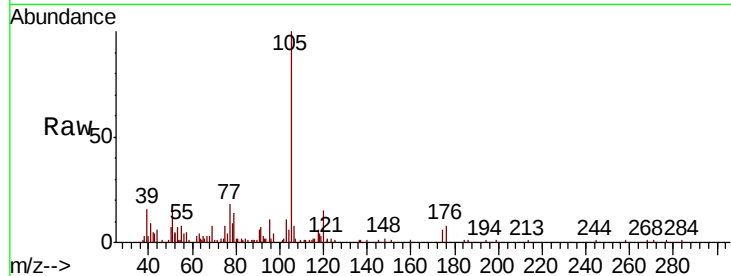
ClientSampleId :

Tot Ion:105 Resp: 60670

Ion Ratio Lower Upper

105 100

120 24.8 20.6 31.0



#64

n-propylbenzene

Concen: 0.164 ppbv

RT: 15.58 min Scan# 3980

Delta R.T. 0.02 min

Lab File: VL036621.D

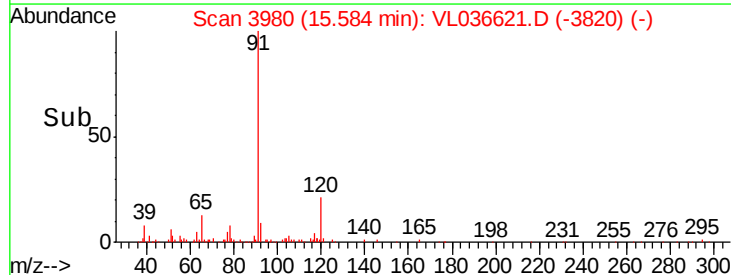
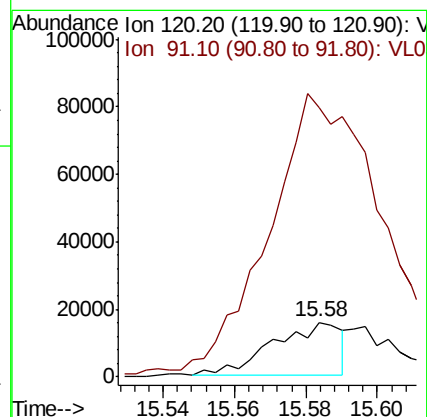
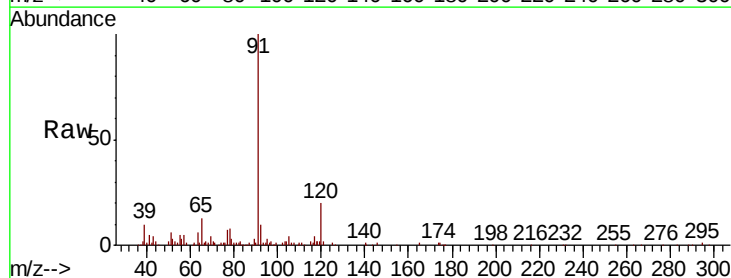
Acq: 1 Apr 2021 4:08

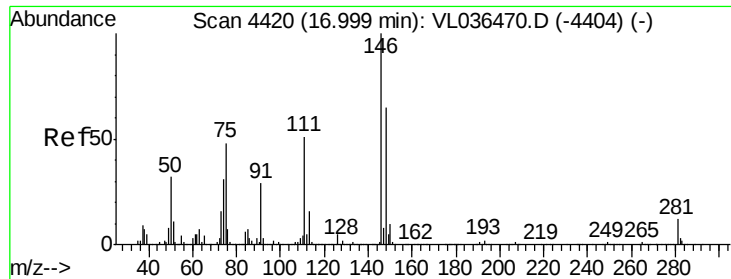
Tgt Ion:120 Resp: 20901

Ion Ratio Lower Upper

120 100

91 965.4 377.4 566.2#

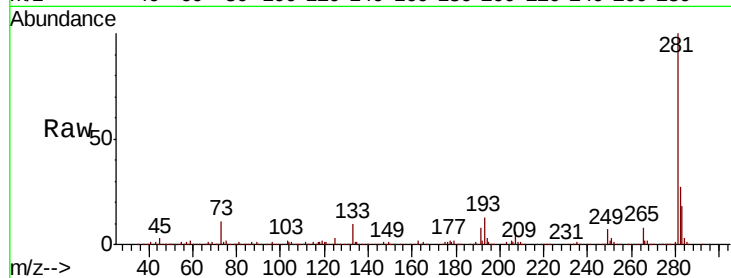




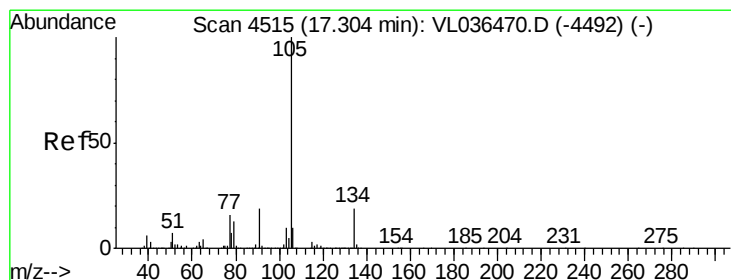
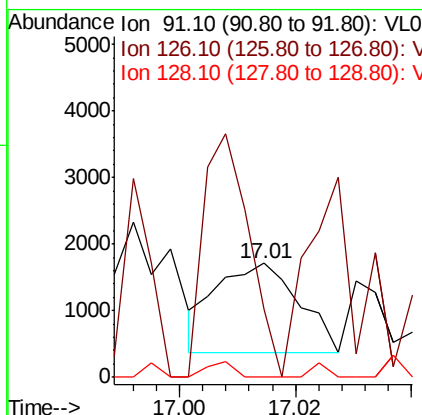
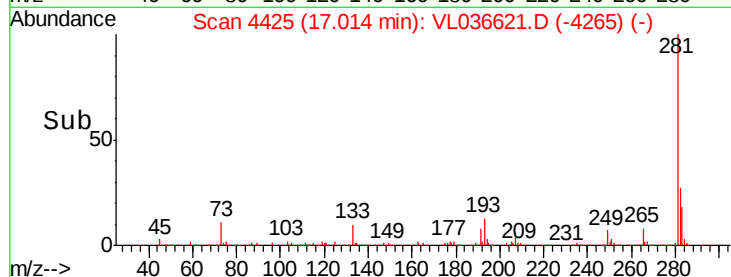
#66
Benzyl Chloride
Concen: 0.026 ppbv
RT: 17.01 min Scan# 4425
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 91 Resp: 1320
Ion Ratio Lower Upper
91 100
126 331.3 13.5 20.3#
128 0.0 4.2 6.4#

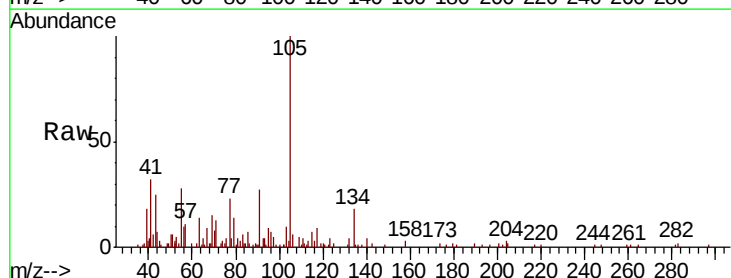


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

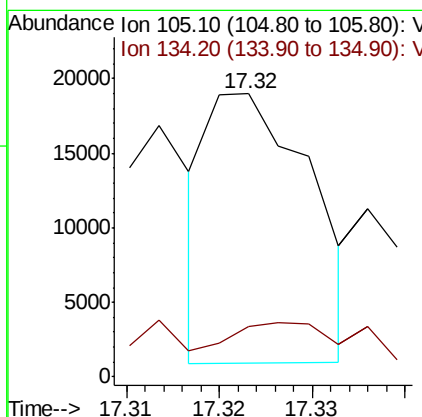
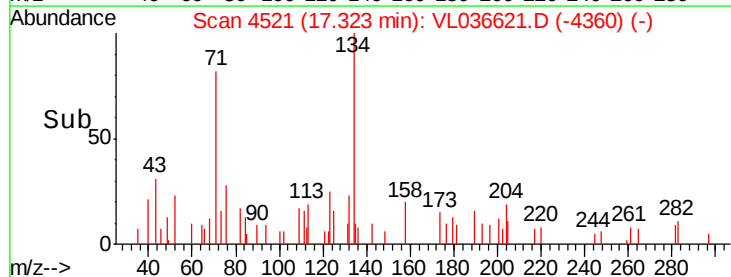


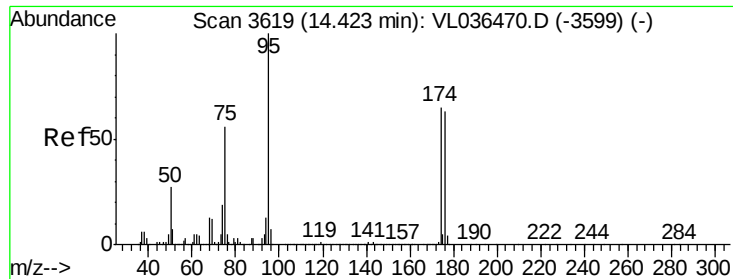
#67
sec-Butylbenzene
Concen: 0.022 ppbv
RT: 17.32 min Scan# 4521
Delta R.T. 0.02 min
Lab File: VL036621.D
Acq: 1 Apr 2021 4:08

Tgt Ion: 105 Resp: 13936
Ion Ratio Lower Upper
105 100
134 0.0 14.7 22.1#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 134.20 (133.90 to 134.90): V

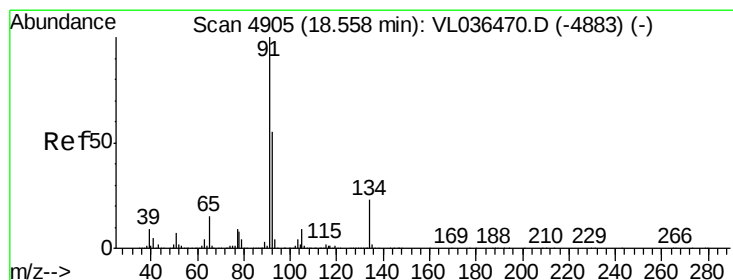
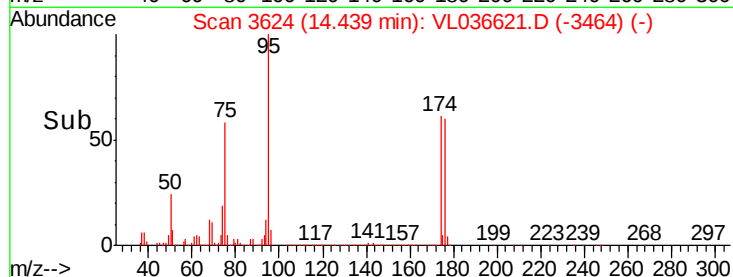
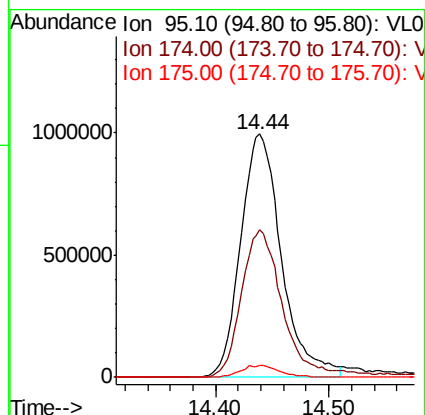
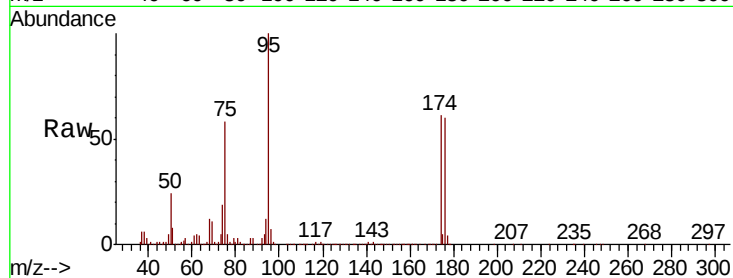




#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.931 ppbv
 RT: 14.44 min Scan# 3624
 Delta R.T. 0.02 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

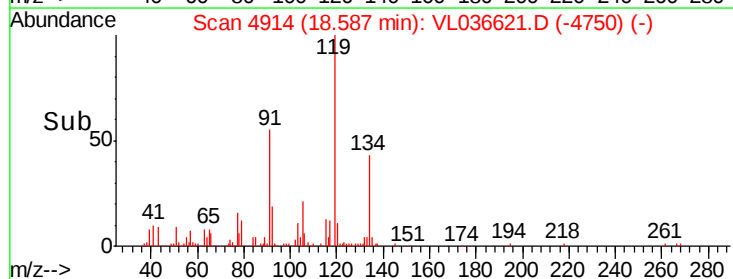
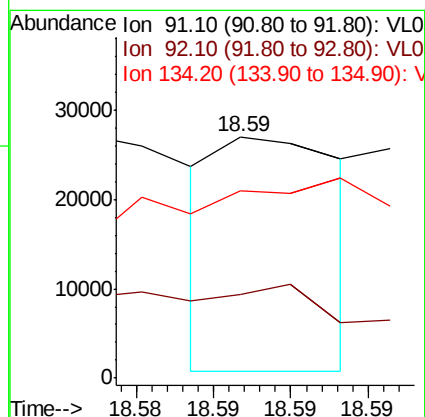
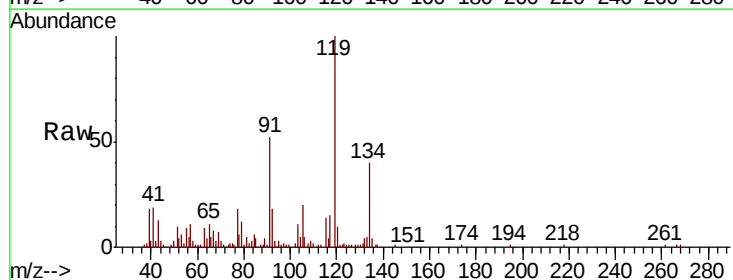
Instrument :
 MSVOA_L
 ClientSampled :

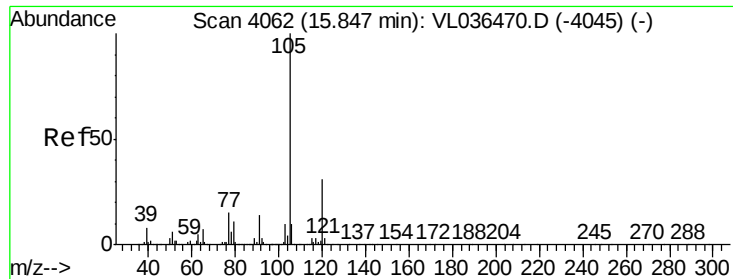
Tot Ion: 95 Resp: 2504280
 Ion Ratio Lower Upper
 95 100
 174 64.0 51.0 76.6
 175 4.9 3.9 5.9



#70
 n-Butylbenzene
 Concen: 0.028 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.03 min
 Lab File: VL036621.D
 Acq: 1 Apr 2021 4:08

Tgt Ion: 91 Resp: 14571
 Ion Ratio Lower Upper
 91 100
 92 0.0 43.8 65.8#
 134 0.0 18.0 27.0#





#72

4-Ethyltoluene

Concen: 0.574 ppbv

RT: 15.86 min Scan# 4066

Delta R.T. 0.01 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 244335

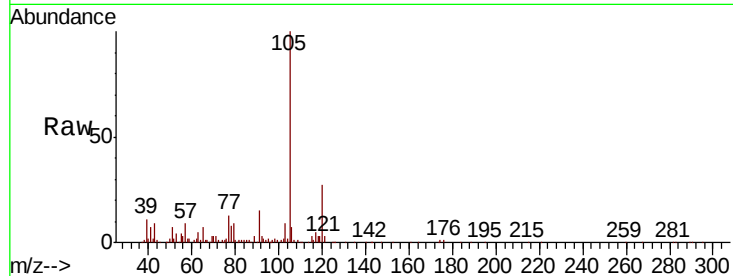
Ion Ratio Lower Upper

105 100

120 28.8 24.0 36.0

91 16.3 11.0 16.4

77 15.5 11.7 17.5

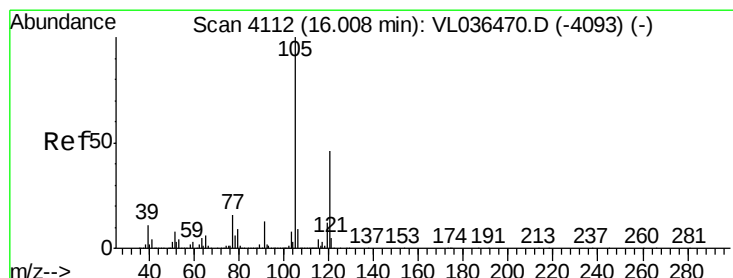
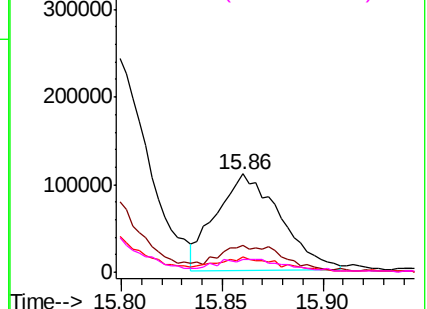
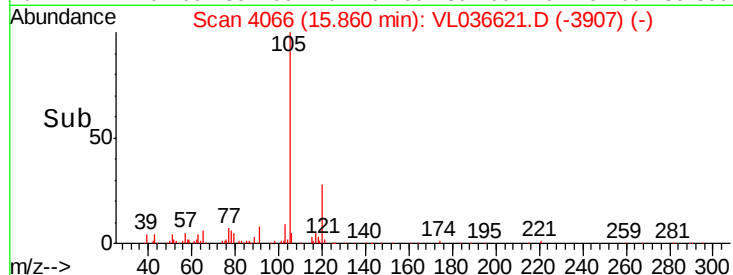


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.839 ppbv

RT: 16.02 min Scan# 4116

Delta R.T. 0.01 min

Lab File: VL036621.D

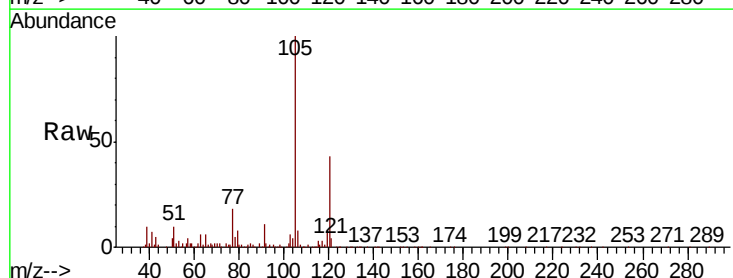
Acq: 1 Apr 2021 4:08

Tgt Ion:105 Resp: 333202

Ion Ratio Lower Upper

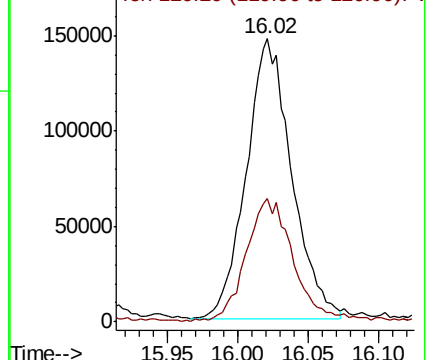
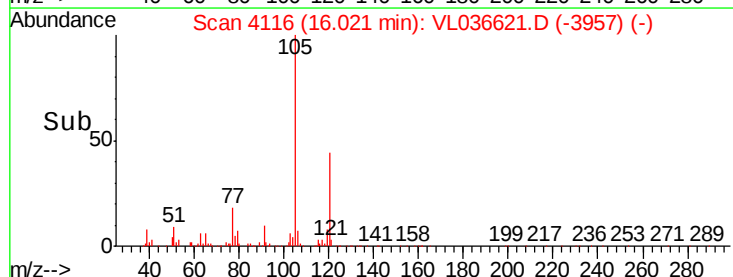
105 100

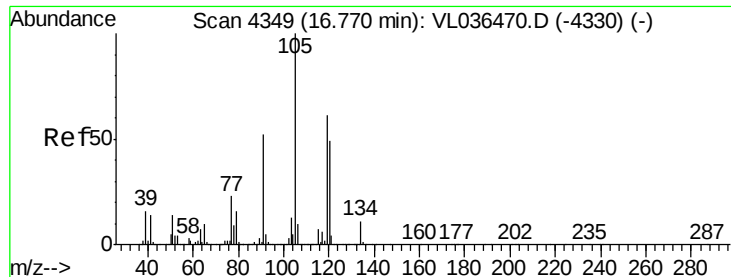
120 43.4 36.6 54.8



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: 2.487 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.01 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1056528

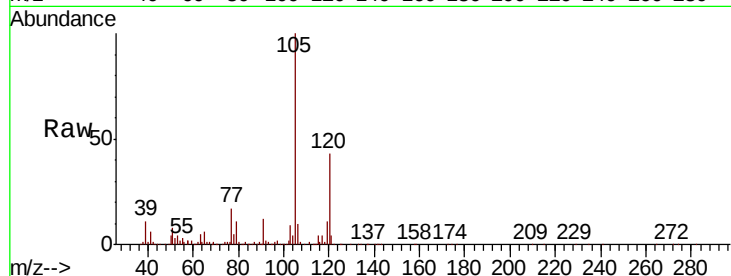
Ion Ratio Lower Upper

105 100

120 43.1 39.2 58.8

91 11.7 42.6 64.0#

77 15.5 18.6 28.0#

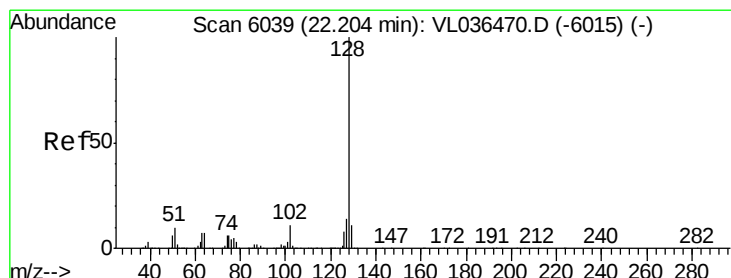
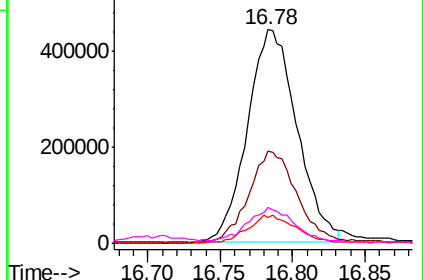
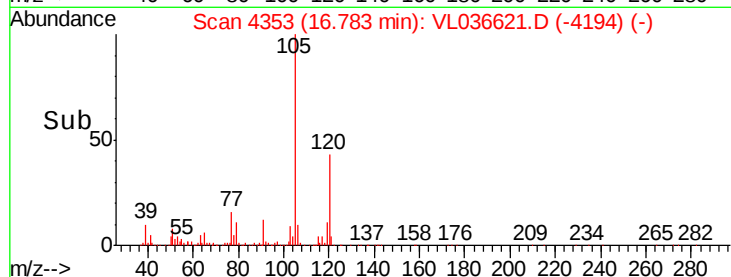


Abundance Ion 105.10 (104.80 to 105.80): V

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



#79

Naphthalene

Concen: 0.039 ppbv

RT: 22.23 min Scan# 6048

Delta R.T. 0.03 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

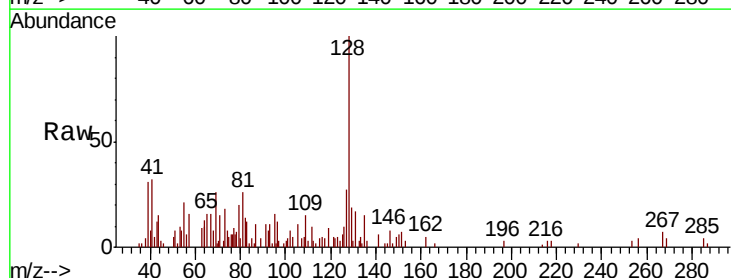
Tgt Ion:128 Resp: 9731

Ion Ratio Lower Upper

128 100

127 39.3 10.9 16.3#

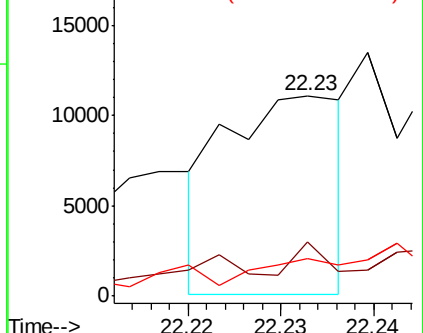
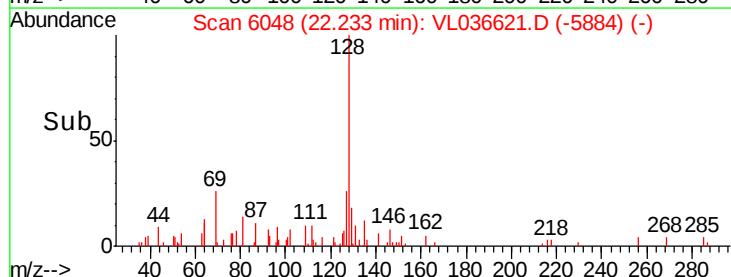
129 8.3 9.0 13.4#

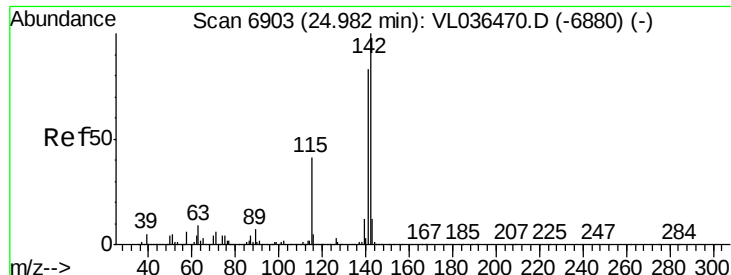


Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V





#80

Naphthalene, 2-methyl-

Concen: 0.036 ppbv

RT: 24.98 min Scan# 6903

Delta R.T. -0.00 min

Lab File: VL036621.D

Acq: 1 Apr 2021 4:08

Instrument :

MSVOA_L

ClientSampleId :

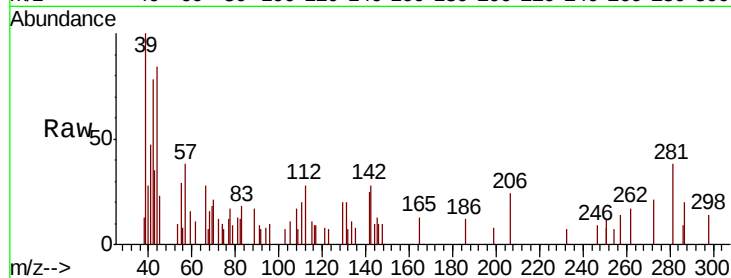
Tot Ion:142 Resp: 1766

Ion Ratio Lower Upper

142 100

141 44.2 67.8 101.8#

115 33.6 34.0 51.0#



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

