

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037101.D
 Acq On : 2 Jun 2021 14:34
 Operator : SY/AP
 Sample : M2559-04
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 03 03:20:30 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	1386300	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4105655	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3763027	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2845361	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	51978	0.221	ppbv 99
3) Chlorodifluoromethane	2.97	51	77641	0.306	ppbv 100
4) Chloromethane	3.13	50	37486	0.434	ppbv 96
9) Propene	3.19	41	442080	4.861	ppbv 99
10) Heptane	8.11	43	457590	2.019	ppbv 99
11) Trichlorofluoromethane	3.93	101	50782	0.233	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.47	101	9729	0.063	ppbv # 68
13) Ethanol	3.60	45	1175766	96.898	ppbv 95
15) Acetone	3.83	43	10271423	72.337	ppbv 92
16) 1,3-Butadiene	3.29	39	44624	0.506	ppbv # 18
17) tert-Butyl alcohol	4.29	59	174304	1.340	ppbv # 72
19) Isopropyl Alcohol	3.97	45	191491	2.509	ppbv # 30
20) Methylene Chloride	4.33	84	6197854	81.428	ppbv 90
21) Allyl Chloride	4.35	41	99379	0.928	ppbv # 25
23) Vinyl Acetate	5.04	43	260217	1.155	ppbv # 1
25) Ethyl Acetate	5.67	43	3598298	10.546	ppbv # 77
26) Hexane	5.67	57	5096356	29.238	ppbv # 47
30) Cyclohexane	7.11	84	45129	0.305	ppbv # 1
34) 2-Butanone	5.24	43	166740	1.115	ppbv 95
36) Benzene	6.87	78	366755	1.037	ppbv 98
39) 1,2-Dichloropropane	7.16	63	978032	7.179	ppbv # 25
41) Tetrahydrofuran	6.31	42	105007	1.233	ppbv # 36
42) Bromodichloromethane	7.77	83	15606	0.059	ppbv # 27
44) 2,2,4-Trimethylpentane	7.85	57	552566	0.911	ppbv # 66
50) 4-Methyl-2-Pentanone	8.74	43	30772	0.125	ppbv # 57
53) Toluene	9.79	91	2078300	4.939	ppbv 98
58) Ethyl Benzene	12.69	91	224840	0.423	ppbv 97
59) m/p-Xylene	12.94	91	1247559	2.842	ppbv 99
60) o-Xylene	13.67	91	416374	0.994	ppbv 96
61) Styrene	13.51	104	15637	0.066	ppbv # 30
62) Isopropylbenzene	14.65	105	415654	0.691	ppbv 98
64) n-propylbenzene	15.54	120	5375	0.035	ppbv # 1
65) tert-Butylbenzene	16.74	119	75263	0.139	ppbv # 65
67) sec-Butylbenzene	17.27	105	28183	0.038	ppbv 94
69) p-Isopropyltoluene	17.64	119	30344	0.048	ppbv # 15
70) n-Butylbenzene	18.53	91	36368	0.060	ppbv # 66
72) 4-Ethyltoluene	15.82	105	203414	0.409	ppbv # 97
73) 1,3,5-Trimethylbenzene	15.98	105	149138	0.320	ppbv 96
74) 1,2,4-Trimethylbenzene	16.74	105	591507	1.226	ppbv # 71
79) Naphthalene	22.18	128	19739	0.052	ppbv 97

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

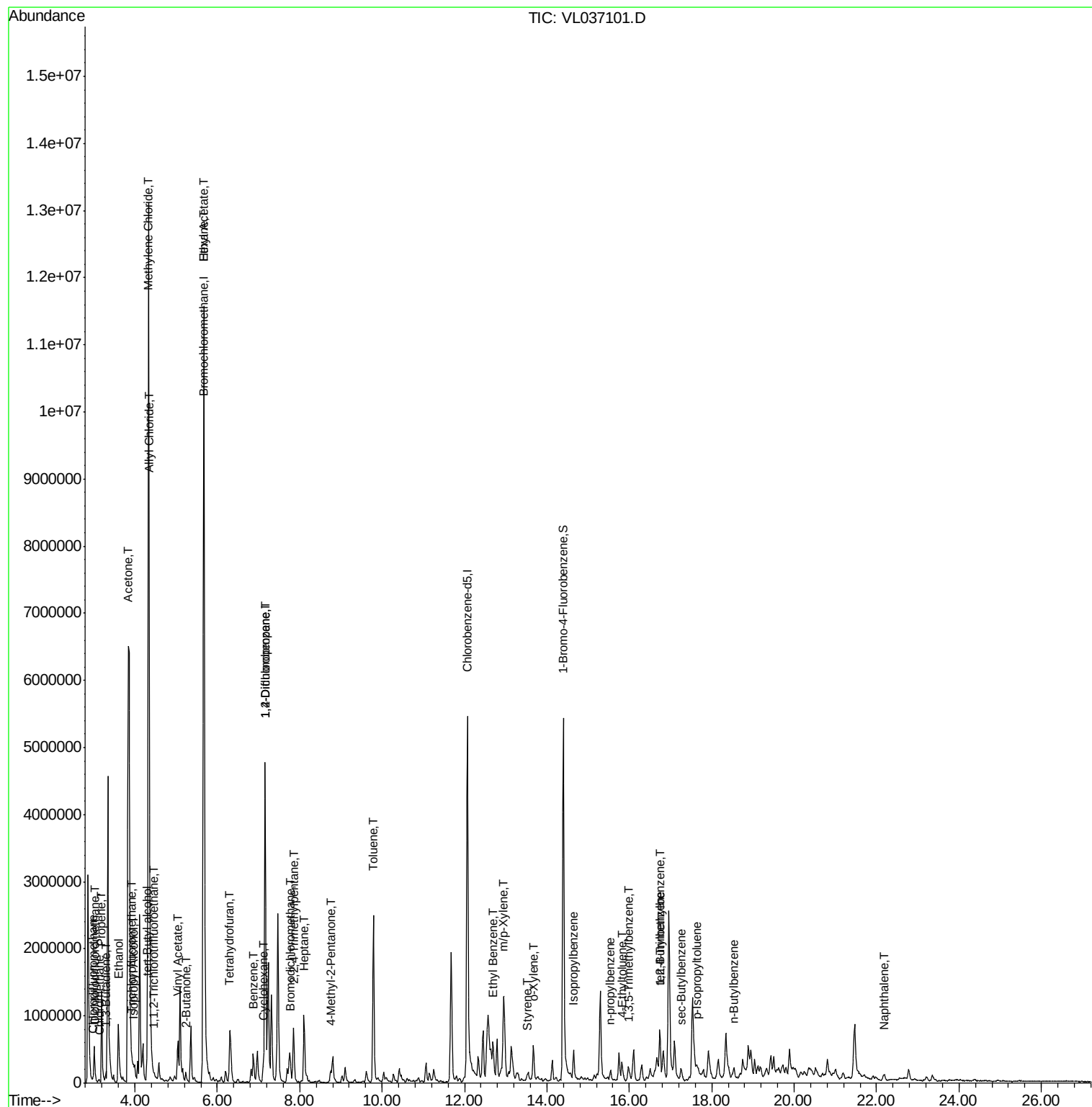
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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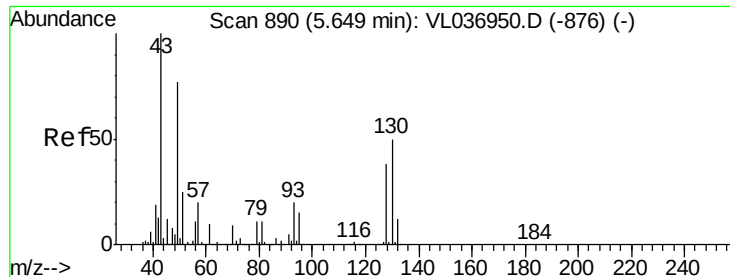
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

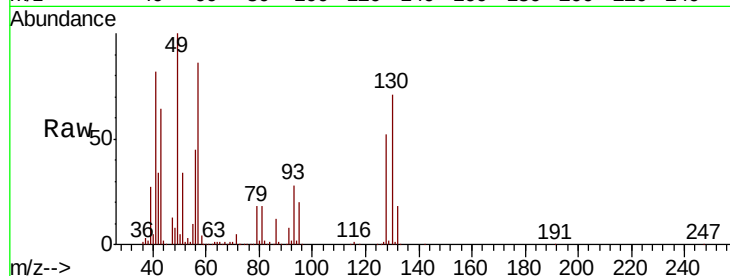
Tot Ion: 49 Resp: 1386300

Ion Ratio Lower Upper

49 100

128 55.7 26.9 80.7

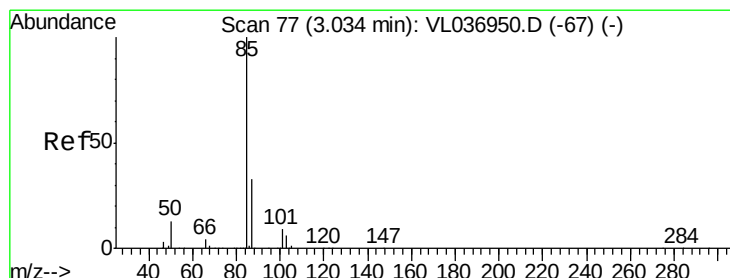
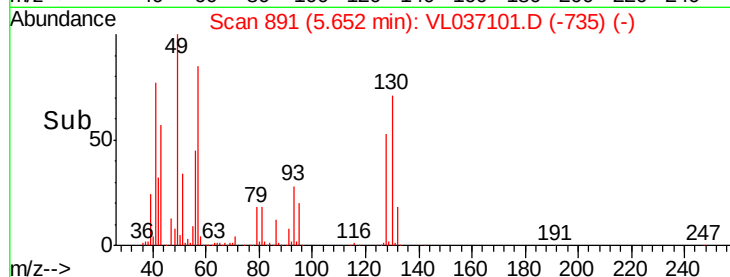
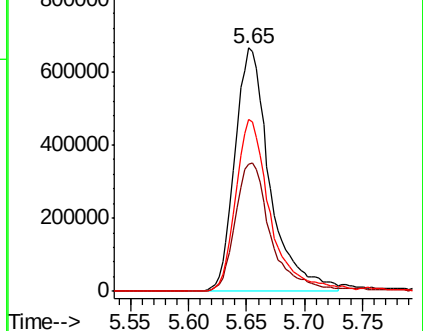
130 71.7 33.8 101.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.221 ppbv

RT: 3.04 min Scan# 78

Delta R.T. 0.00 min

Lab File: VL037101.D

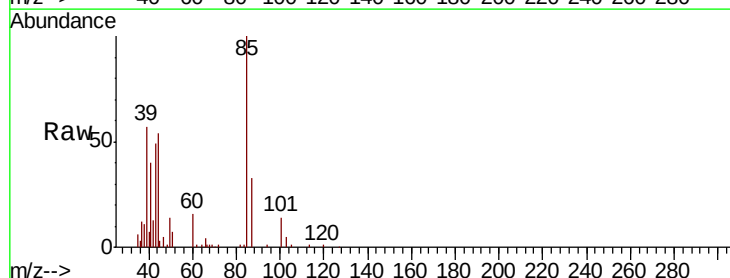
Acq: 2 Jun 2021 14:34

Tgt Ion: 85 Resp: 51978

Ion Ratio Lower Upper

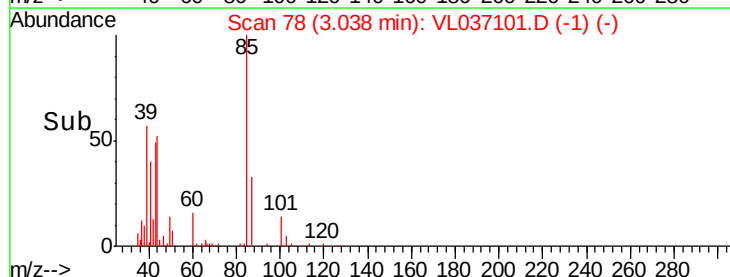
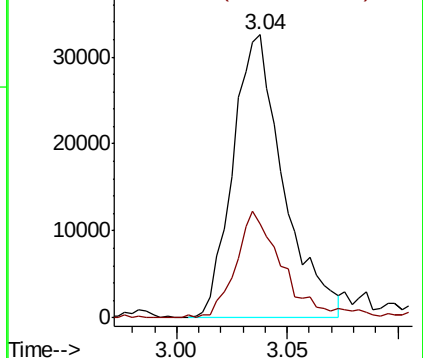
85 100

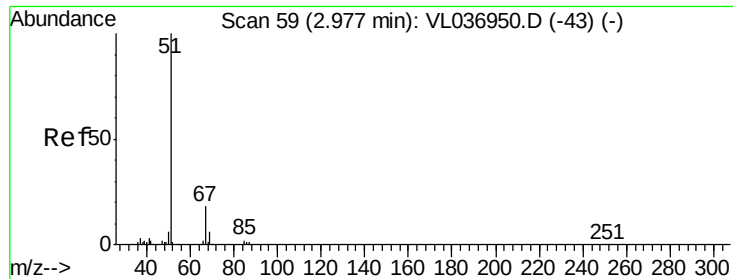
87 32.5 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.306 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

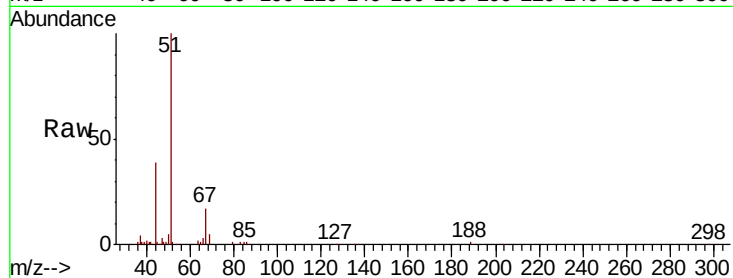
ClientSampleId :

Tot Ion: 51 Resp: 77641

Ion Ratio Lower Upper

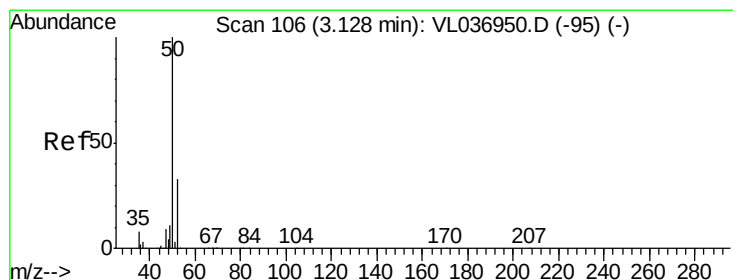
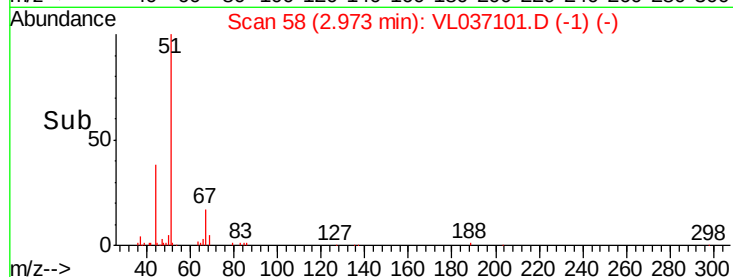
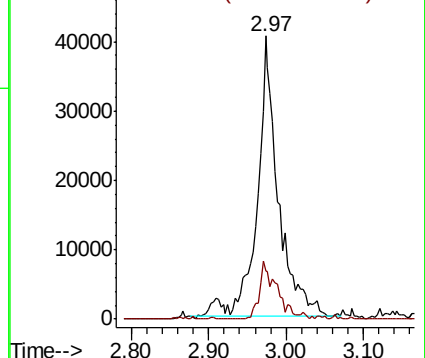
51 100

67 18.0 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: 0.434 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037101.D

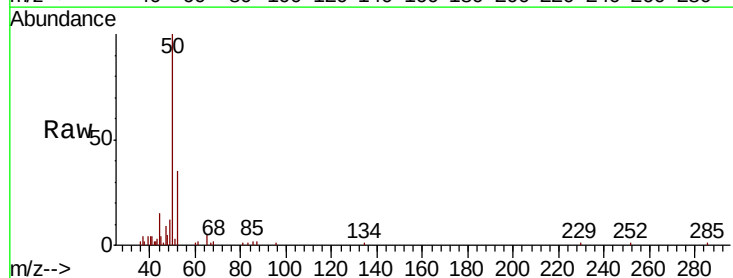
Acq: 2 Jun 2021 14:34

Tgt Ion: 50 Resp: 37486

Ion Ratio Lower Upper

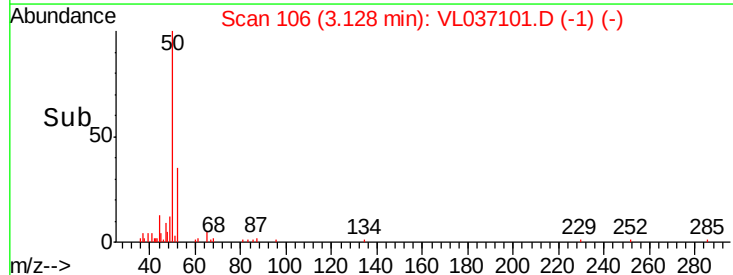
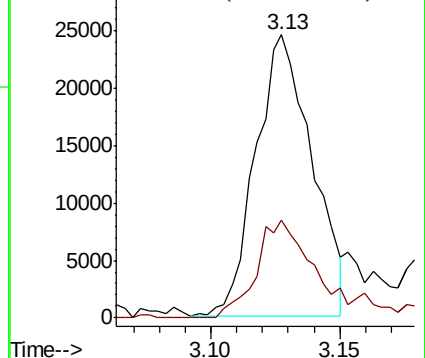
50 100

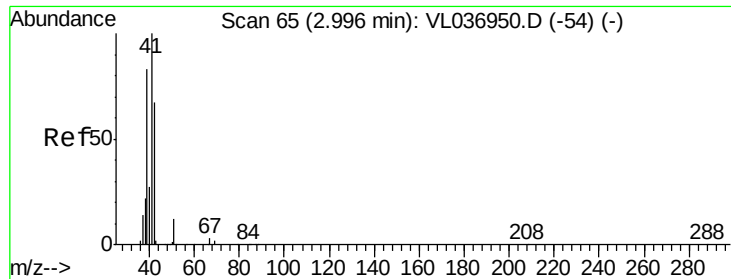
52 34.8 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 4.861 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.20 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

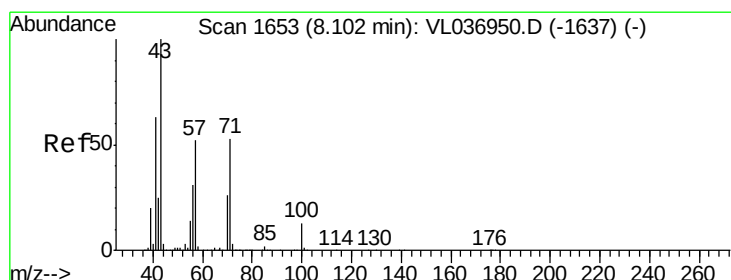
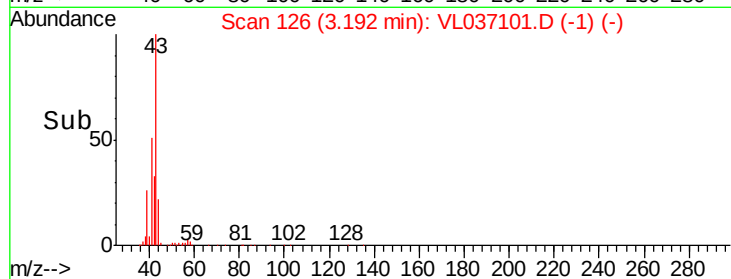
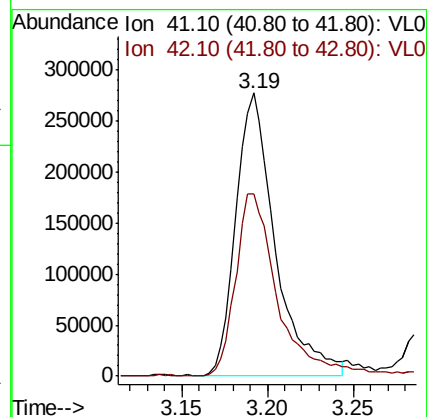
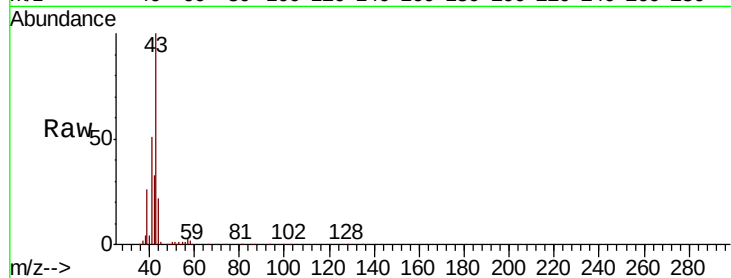
ClientSampleId :

Tot Ion: 41 Resp: 442080

Ion Ratio Lower Upper

41 100

42 68.6 53.9 80.9



#10

Heptane

Concen: 2.019 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037101.D

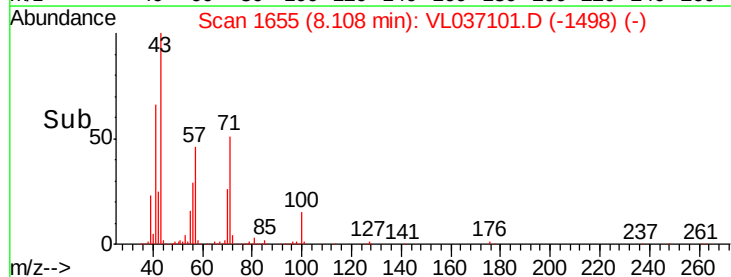
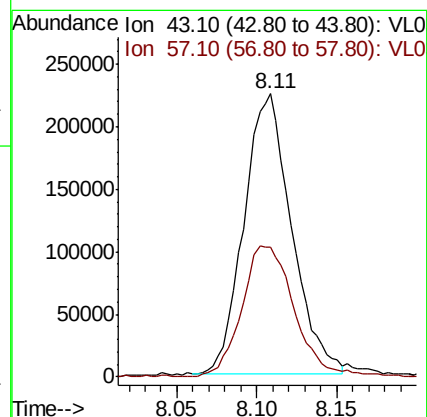
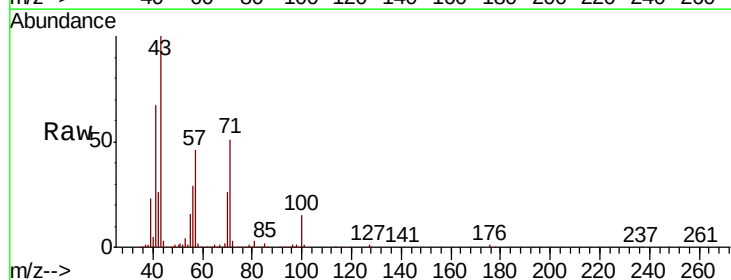
Acq: 2 Jun 2021 14:34

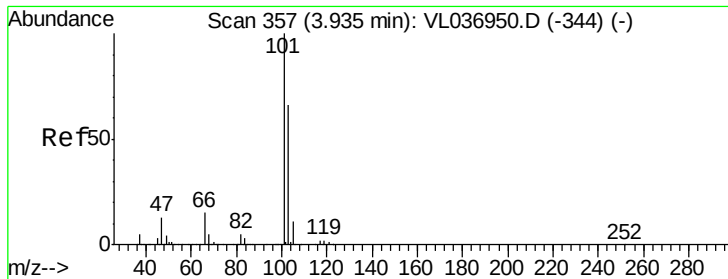
Tgt Ion: 43 Resp: 457590

Ion Ratio Lower Upper

43 100

57 50.4 41.0 61.6

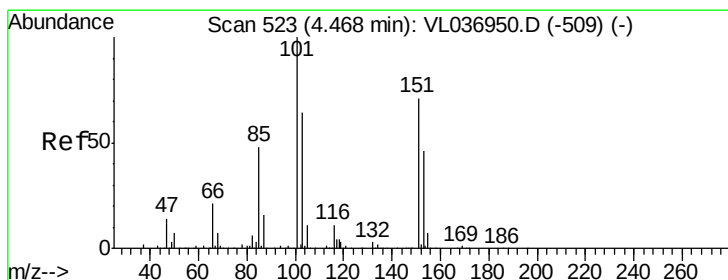
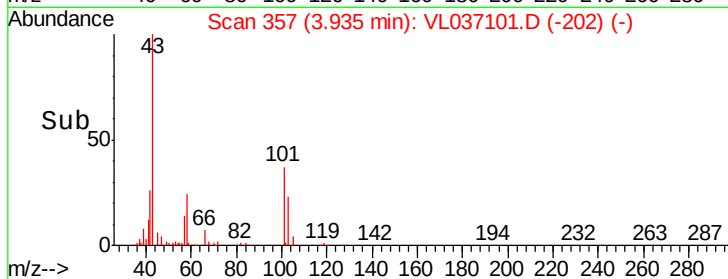
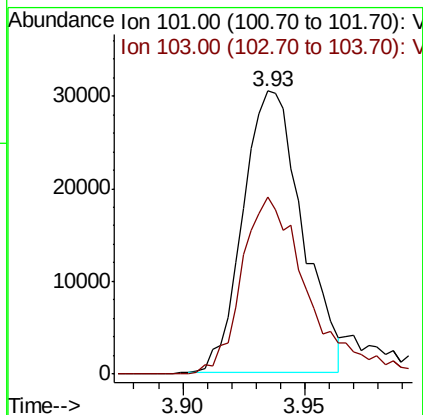
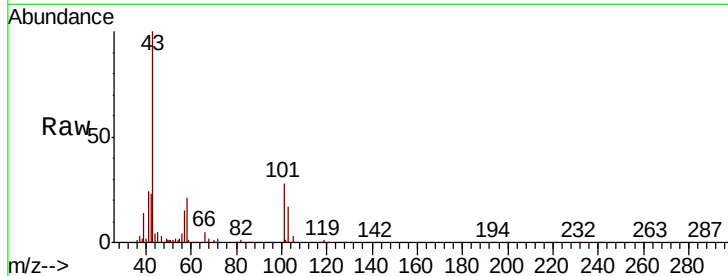




#11
 Trichlorofluoromethane
 Concen: 0.233 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.00 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

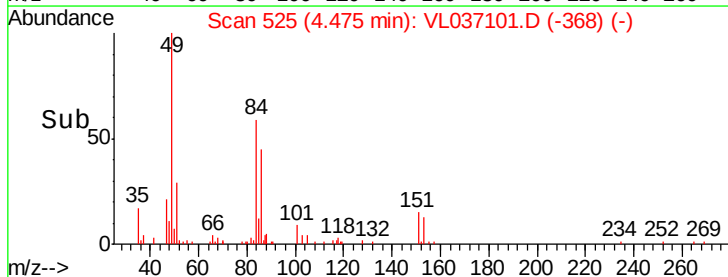
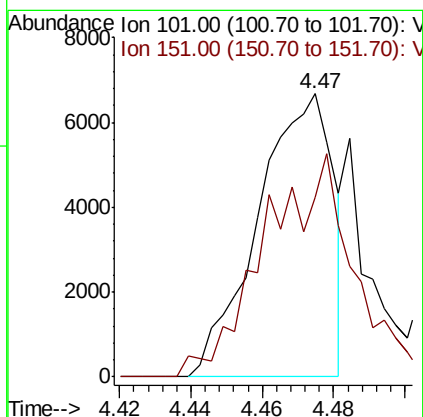
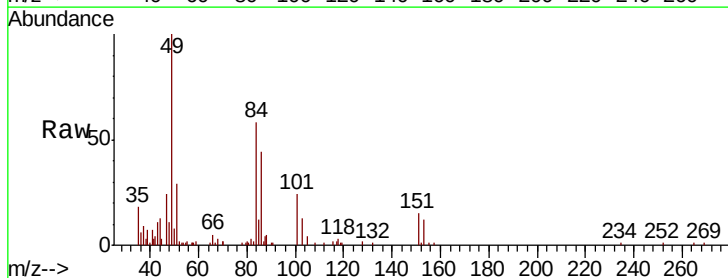
Instrument :
 MSVOA_L
 ClientSampleId :

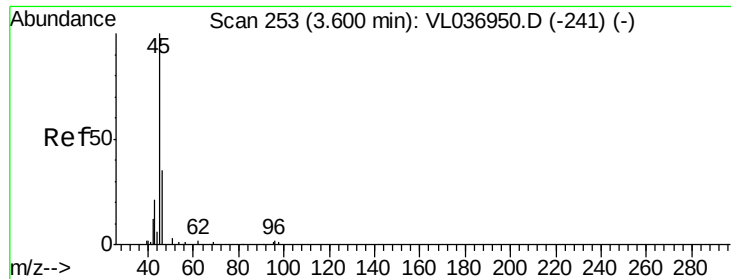
Tot Ion:101 Resp: 50782
 Ion Ratio Lower Upper
 101 100
 103 63.1 52.6 79.0



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.063 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.01 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

Tgt Ion:101 Resp: 9729
 Ion Ratio Lower Upper
 101 100
 151 98.5 57.7 86.5#

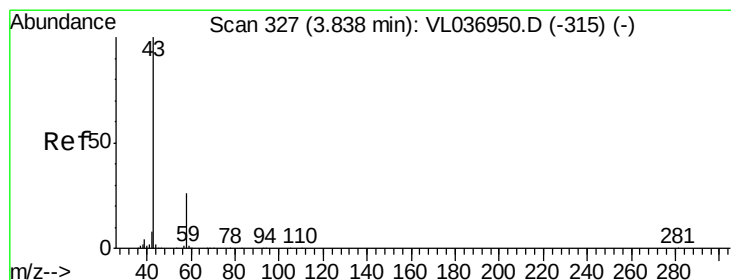
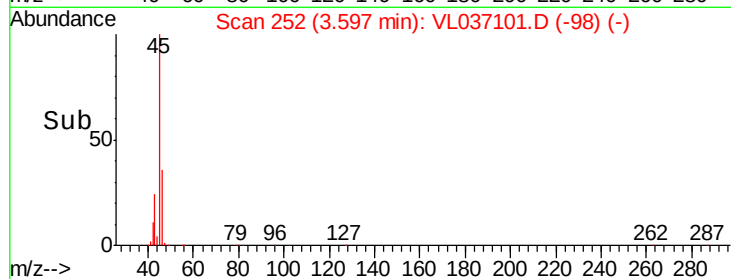
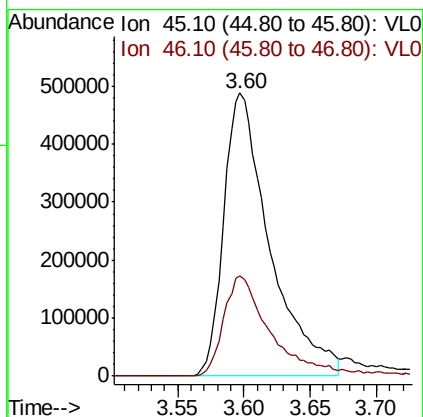
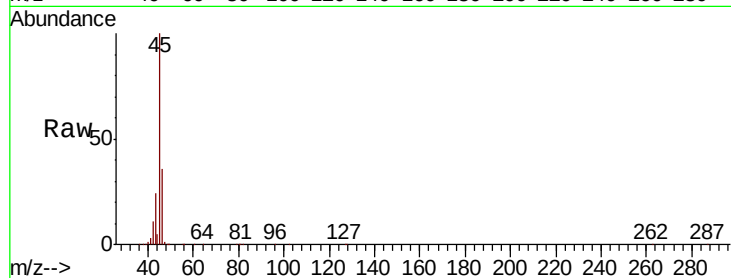




#13
Ethanol
Concen: 96.898 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

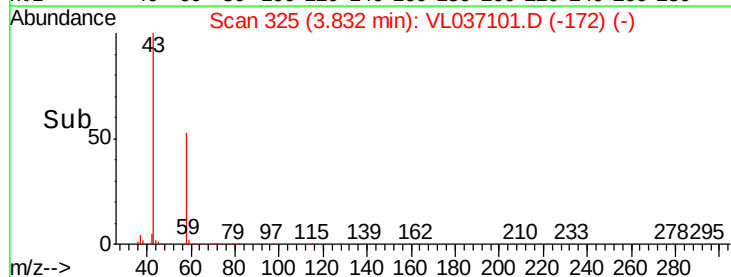
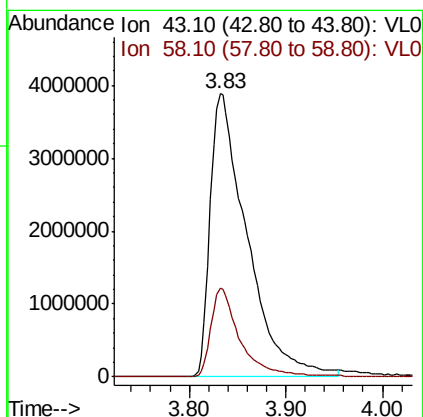
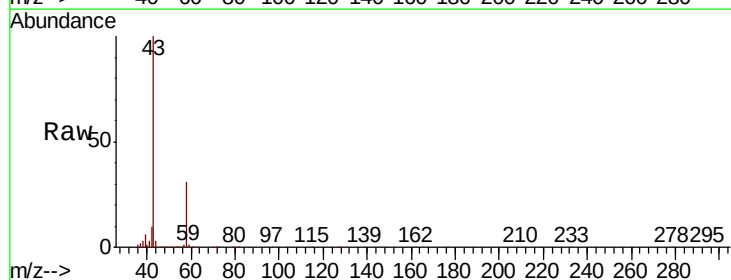
Instrument :
MSVOA_L
ClientSampleId :

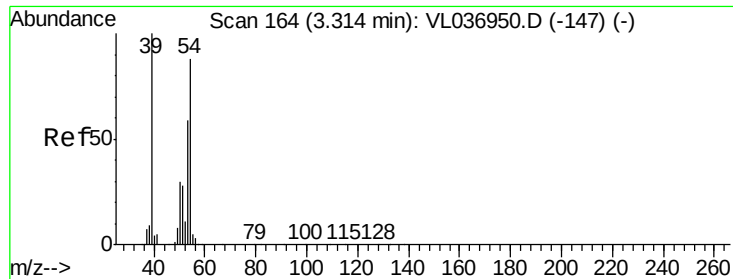
Tot Ion: 45 Resp: 1175766
Ion Ratio Lower Upper
45 100
46 37.7 16.3 65.3



#15
Acetone
Concen: 72.337 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 43 Resp: 10271423
Ion Ratio Lower Upper
43 100
58 25.5 24.0 36.0

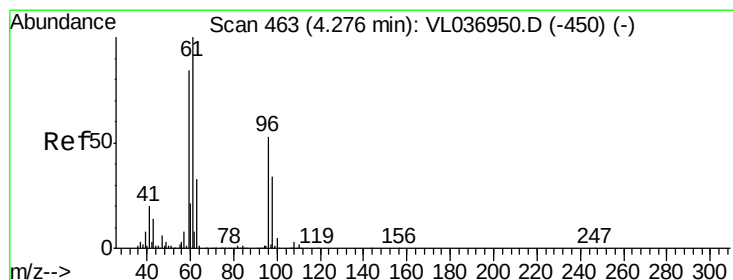
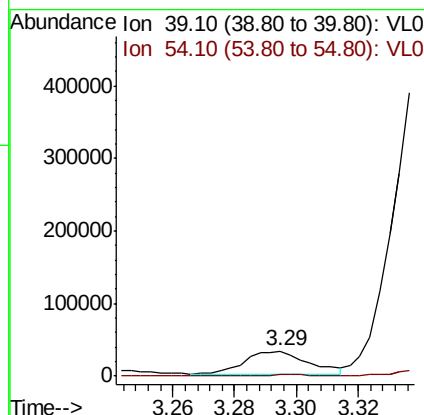
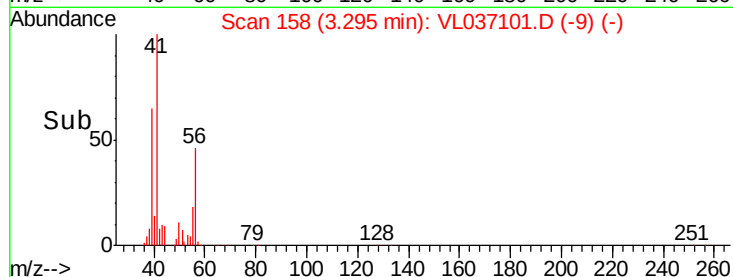
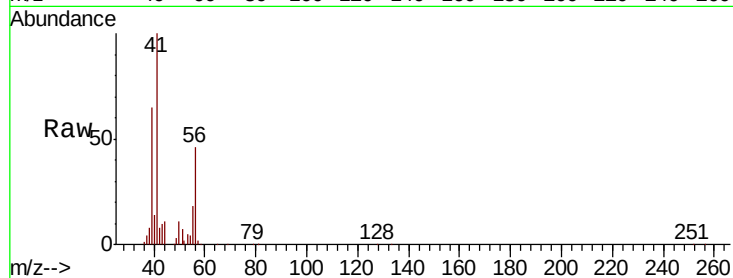




#16
1,3-Butadiene
Concen: 0.506 ppbv
RT: 3.29 min Scan# 158
Delta R.T. -0.02 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

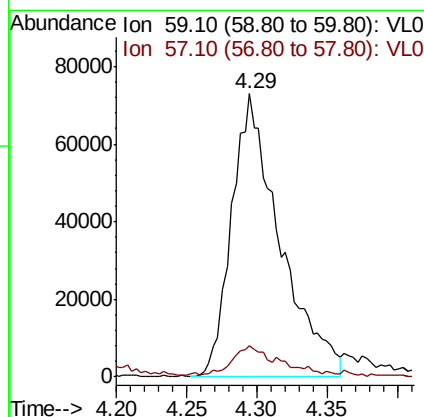
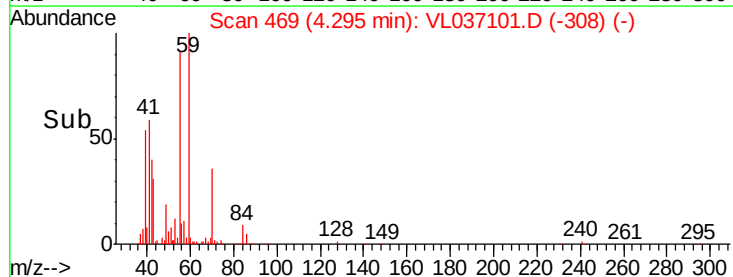
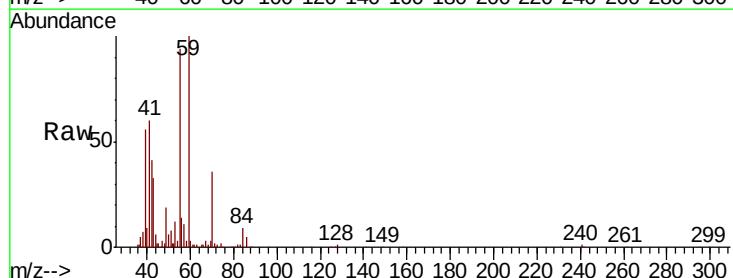
Instrument :
MSVOA_L
ClientSampleId :

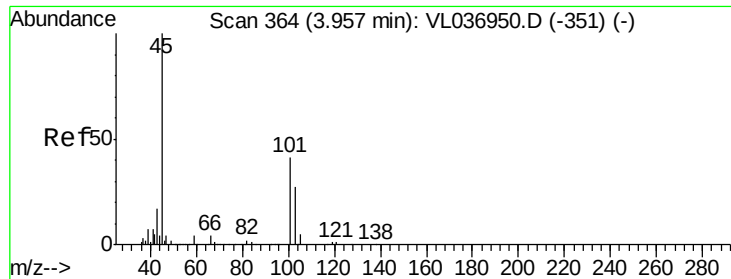
Tot Ion: 39 Resp: 44624
Ion Ratio Lower Upper
39 100
54 7.1 63.2 94.8#



#17
tert-Butyl alcohol
Concen: 1.340 ppbv
RT: 4.29 min Scan# 469
Delta R.T. 0.02 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 59 Resp: 174304
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



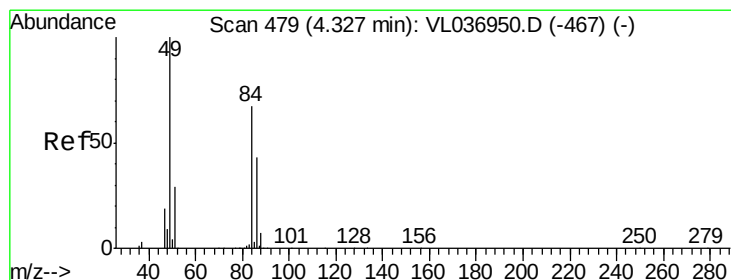
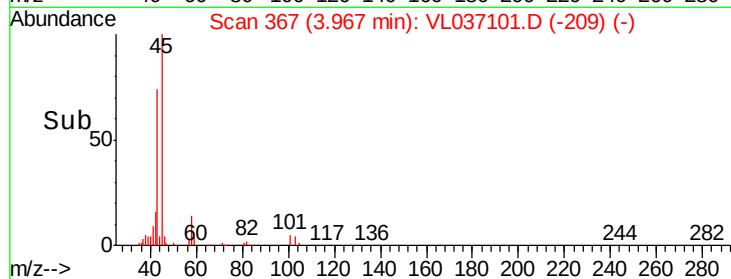
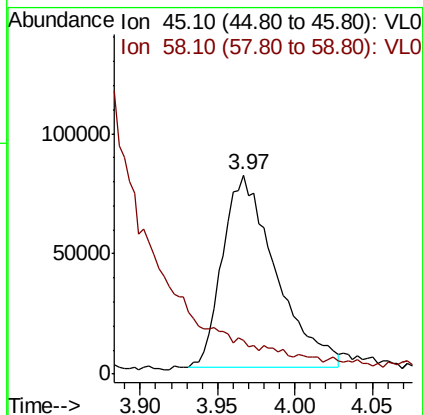
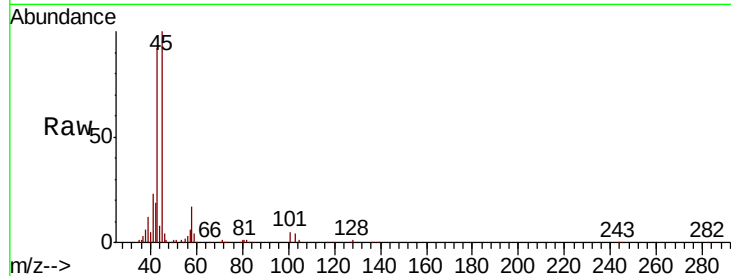


#19

Isopropyl Alcohol
 Concen: 2.509 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. 0.01 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

Instrument :
 MSVOA_L
 ClientSampled :

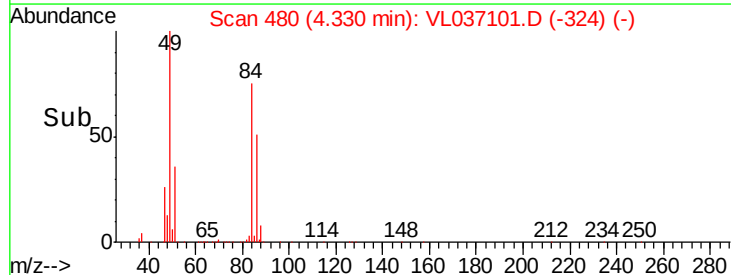
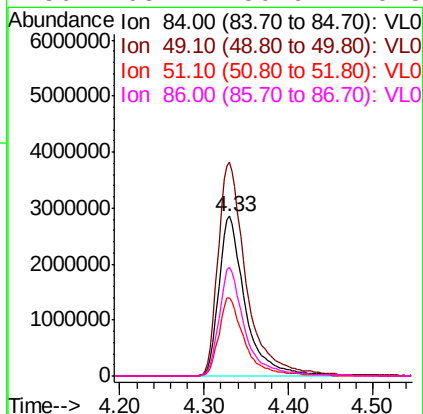
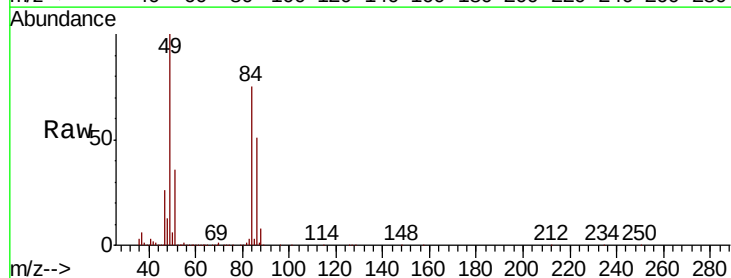
Tot Ion: 45 Resp: 191491
 Ion Ratio Lower Upper
 45 100
 58 0.0 37.2 55.8#

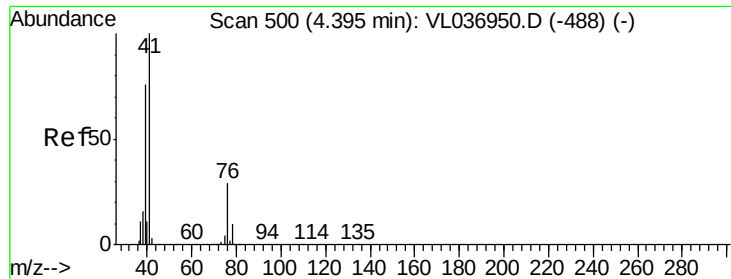


#20

Methylene Chloride
 Concen: 81.428 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.00 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

Tgt Ion: 84 Resp: 6197854
 Ion Ratio Lower Upper
 84 100
 49 133.6 119.8 179.6
 51 48.5 35.1 52.7
 86 68.1 50.9 76.3

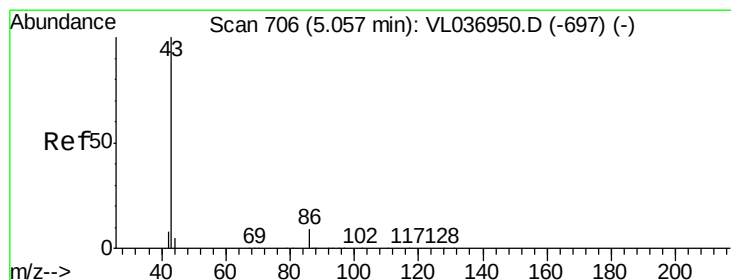
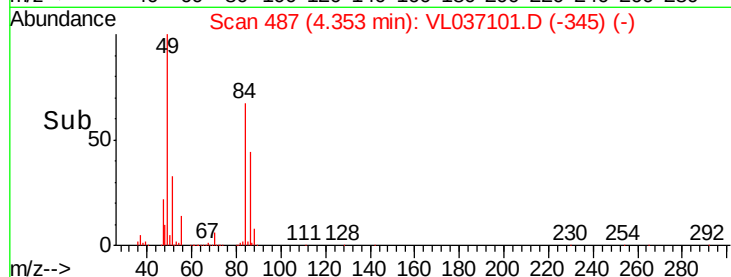
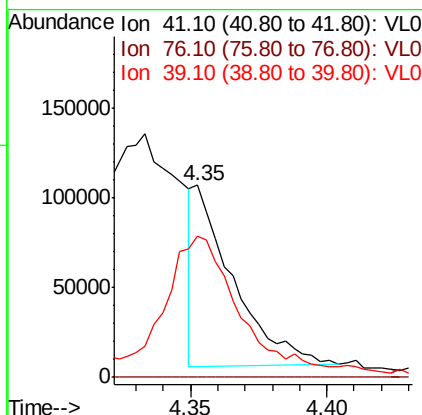
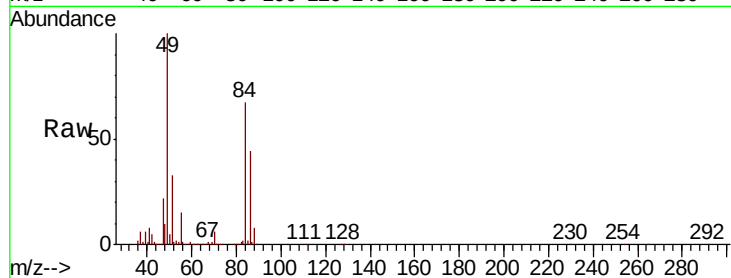




#21
Allvl Chloride
Concen: 0.928 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.04 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

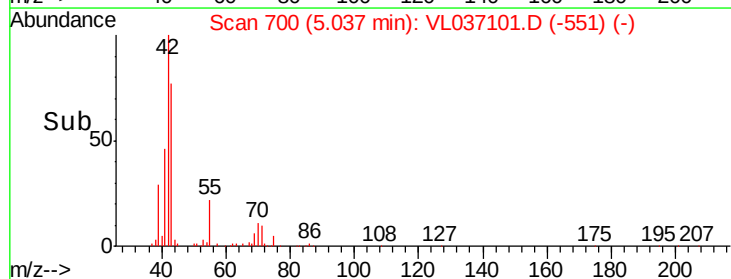
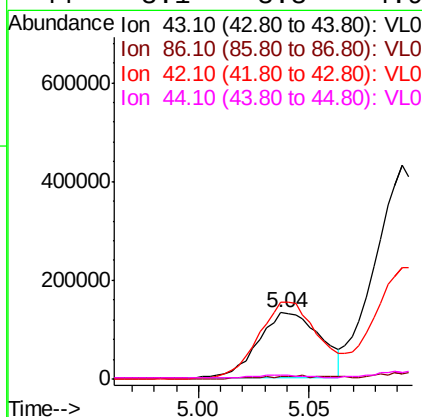
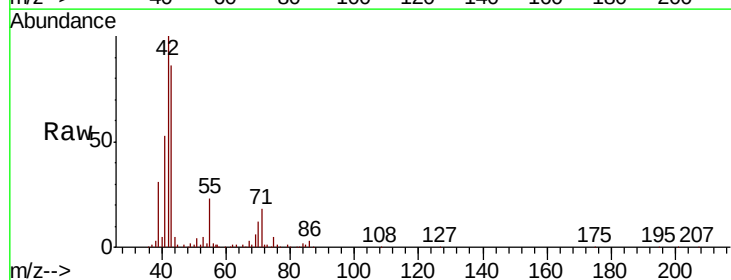
Instrument :
MSVOA_L
ClientSampleId :

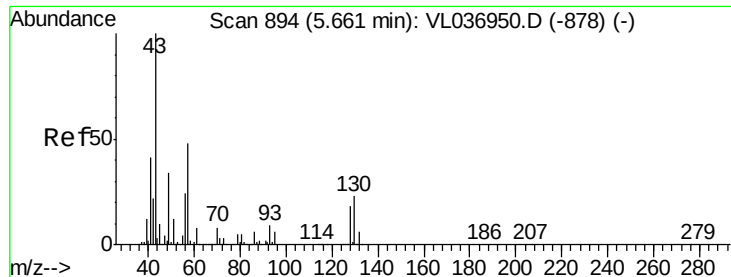
Tot Ion: 41 Resp: 99379
Ion Ratio Lower Upper
41 100
76 0.0 24.9 37.3#
39 152.5 63.7 95.5#



#23
Vinyl Acetate
Concen: 1.155 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.02 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 43 Resp: 260217
Ion Ratio Lower Upper
43 100
86 3.4 5.8 8.8#
42 117.4 7.4 11.2#
44 3.1 3.3 4.9#





#25

Ethyl Acetate

Concen: 10.546 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 3598298

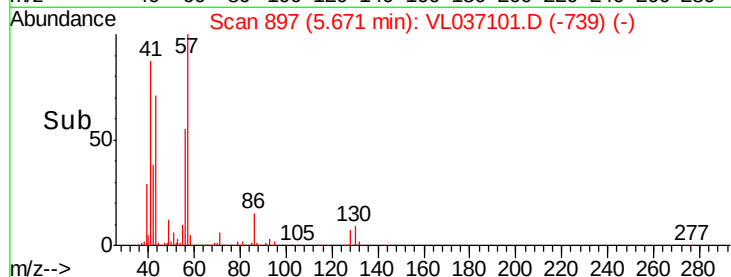
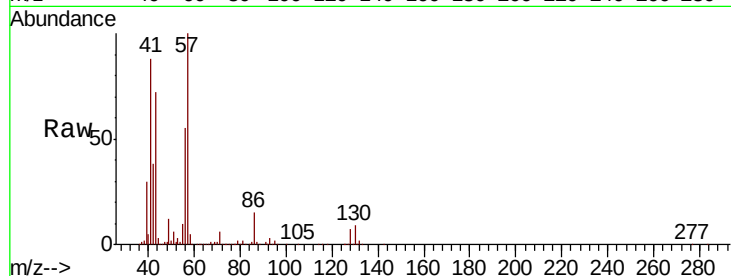
Ion Ratio Lower Upper

43 100

45 0.3 7.8 11.8#

61 0.2 7.8 11.8#

70 1.5 5.6 8.4#

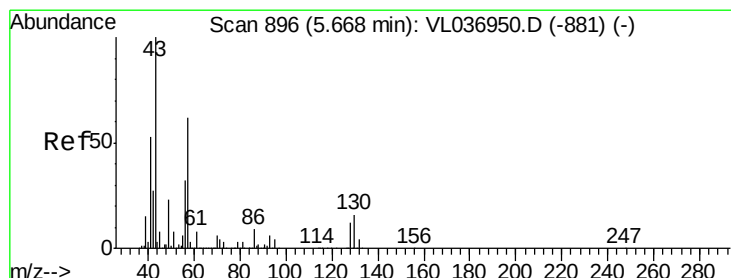
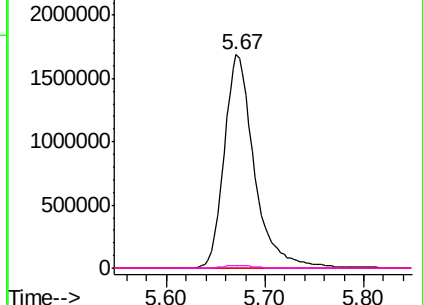


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 29.238 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Tgt Ion: 57 Resp: 5096356

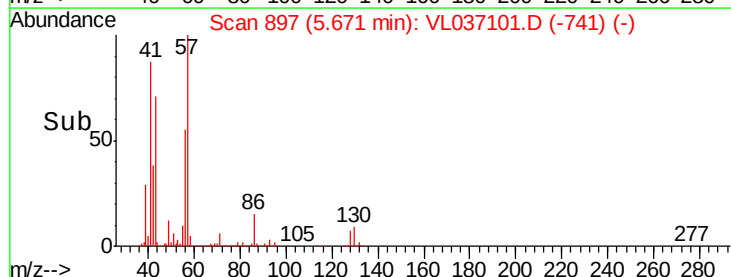
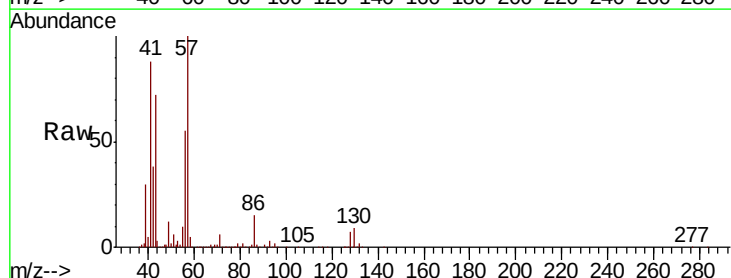
Ion Ratio Lower Upper

57 100

41 90.5 70.5 105.7

43 71.0 165.8 248.8#

56 54.3 42.2 63.4

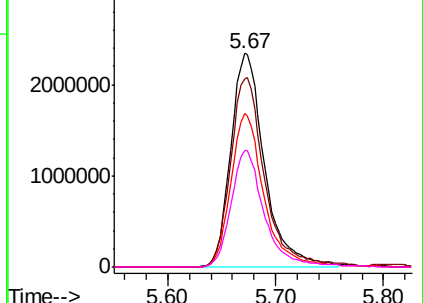


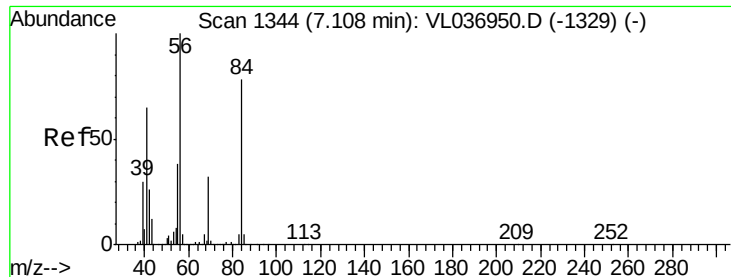
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0

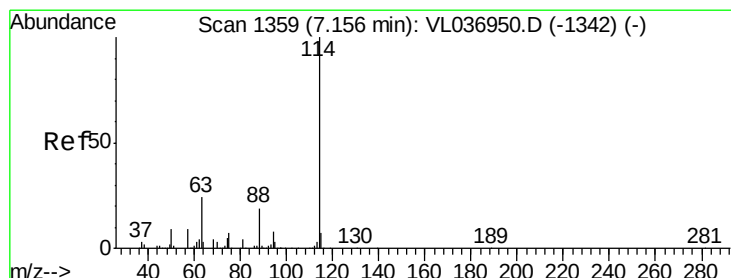
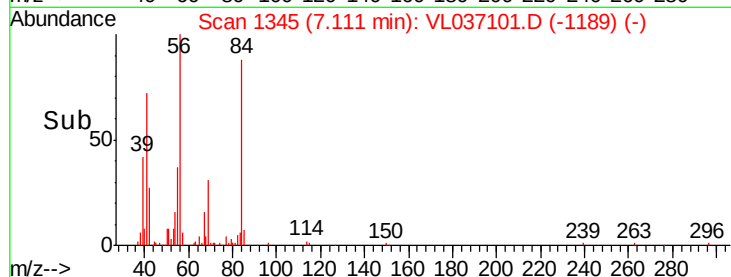
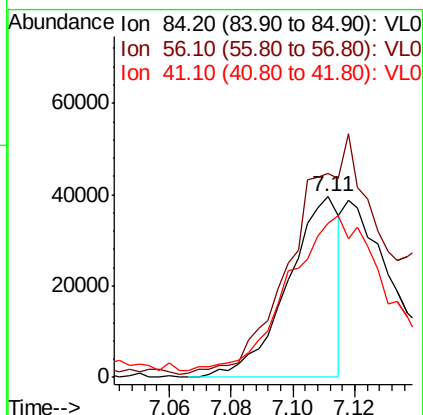
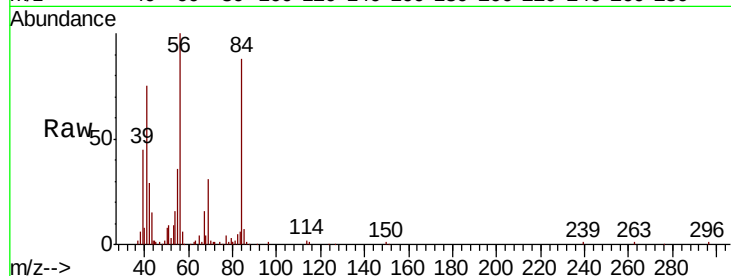




#30
Cyclohexane
Concen: 0.305 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

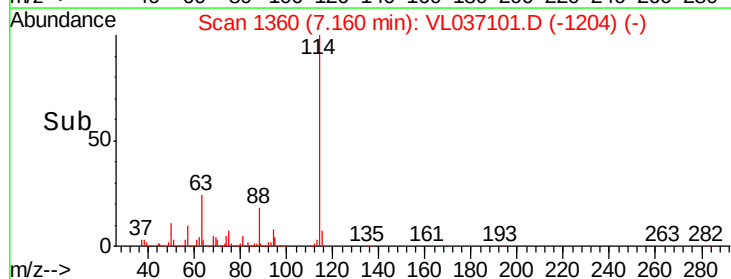
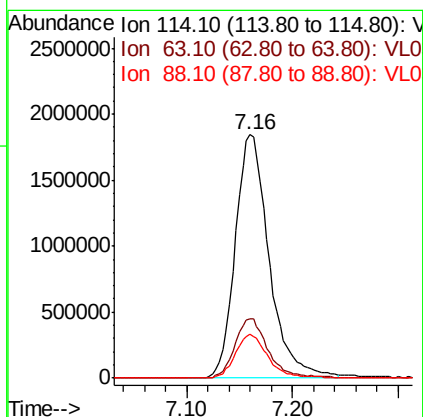
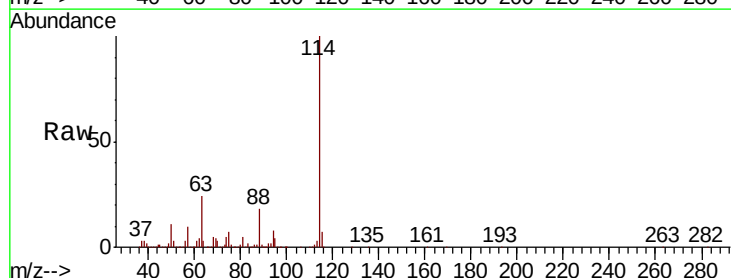
Instrument :
MSVOA_L
ClientSampleId :

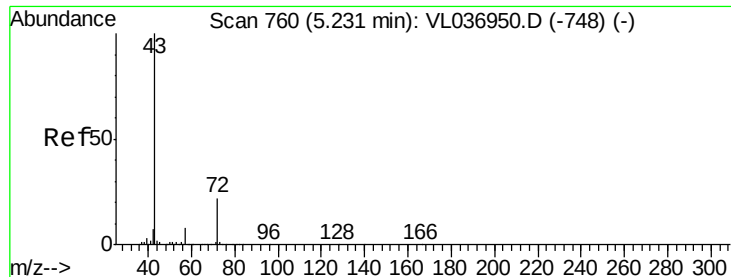
Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	107.9	161.9#
41	0.0	65.5	98.3#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.6	14.6	21.8

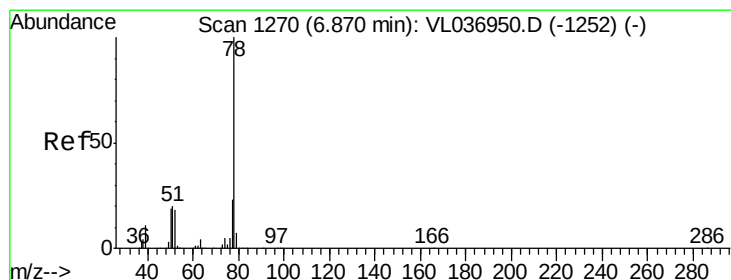
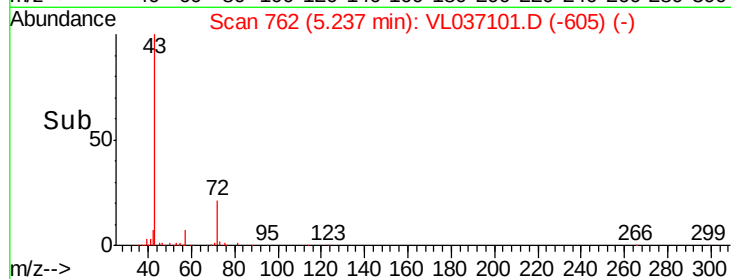
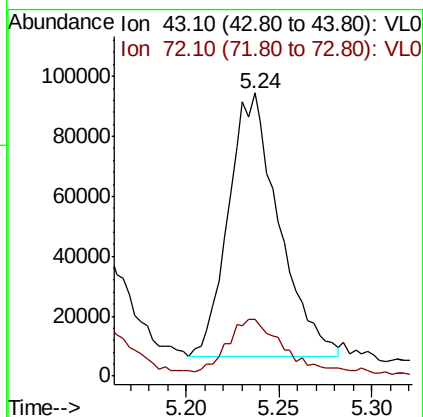
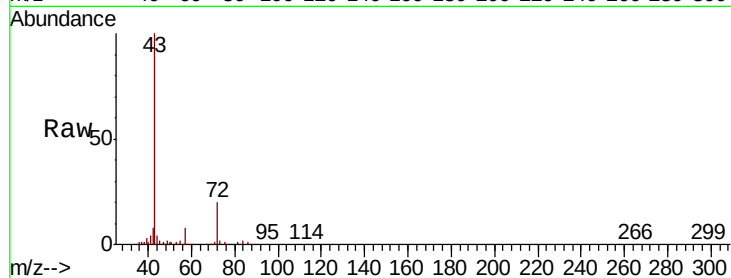




#34
 2-Butanone
 Concen: 1.115 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.01 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

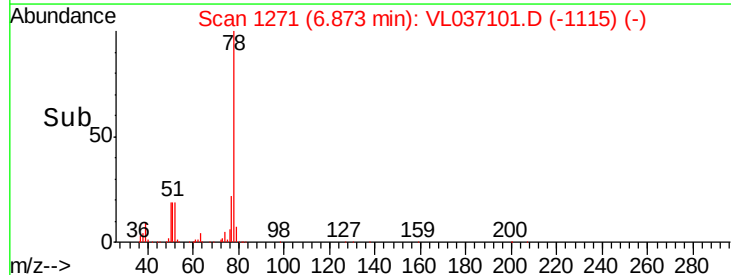
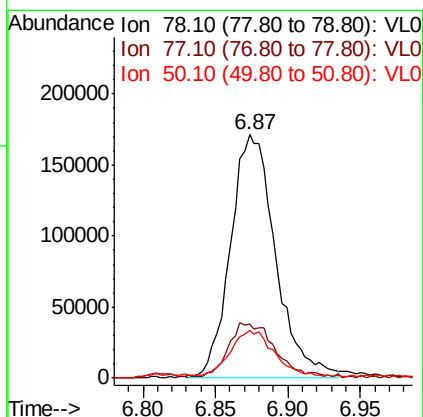
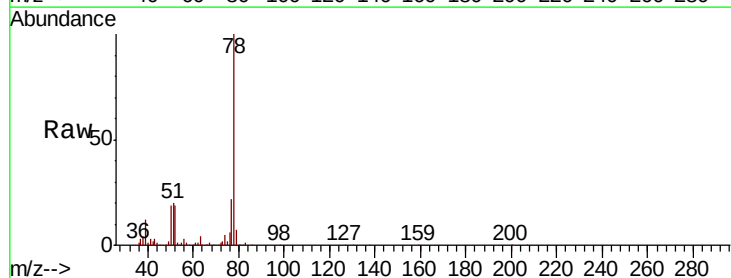
Instrument :
 MSVOA_L
 ClientSampleId :

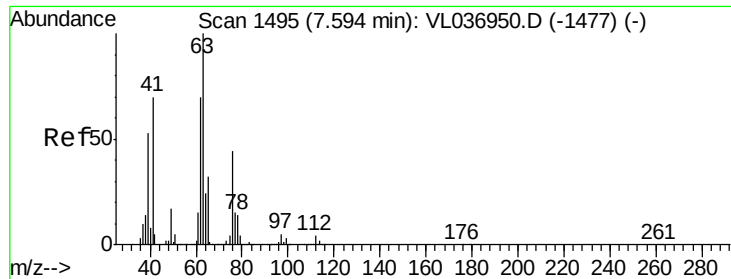
Tot Ion: 43 Resp: 166740
 Ion Ratio Lower Upper
 43 100
 72 26.1 19.0 28.4



#36
 Benzene
 Concen: 1.037 ppbv
 RT: 6.87 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

Tgt Ion: 78 Resp: 366755
 Ion Ratio Lower Upper
 78 100
 77 21.5 18.6 28.0
 50 18.6 15.0 22.4





#39

1,2-Dichloropropane

Concen: 7.179 ppbv

RT: 7.16 min Scan# 1361

Delta R.T. -0.43 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

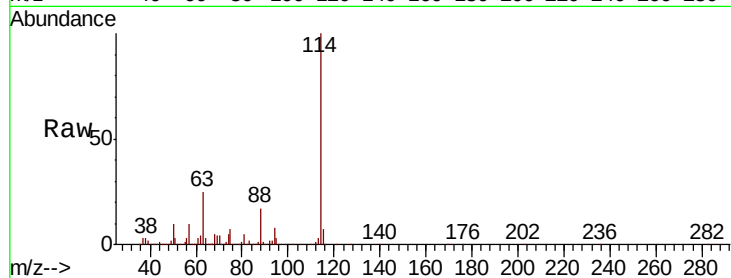
Tot Ion: 63 Resp: 978032

Ion Ratio Lower Upper

63 100

41 0.0 55.7 83.5#

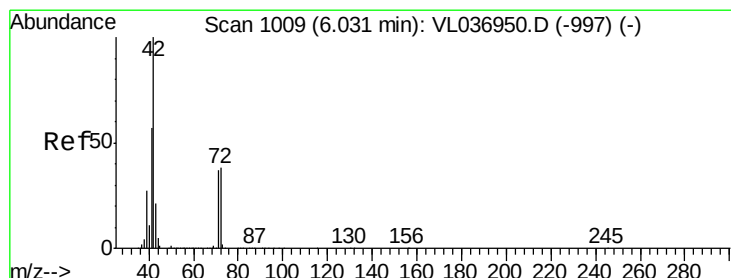
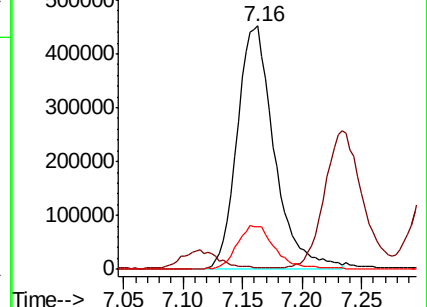
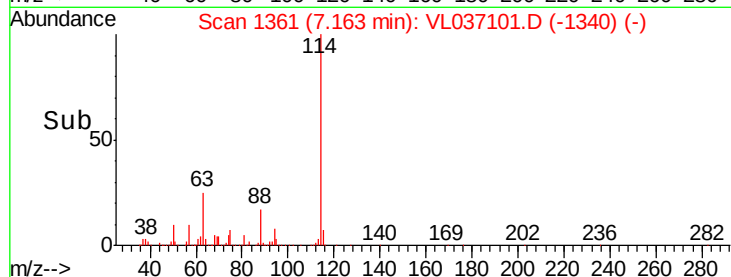
62 17.6 56.2 84.4#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#41

Tetrahydrofuran

Concen: 1.233 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.28 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

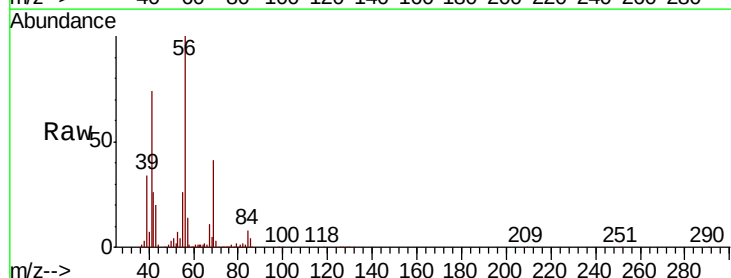
Tgt Ion: 42 Resp: 105007

Ion Ratio Lower Upper

42 100

72 0.0 31.4 47.2#

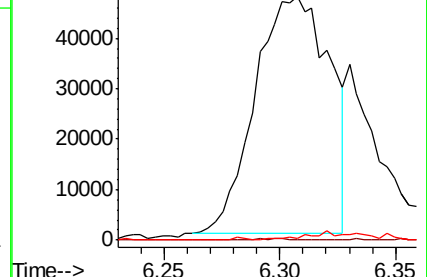
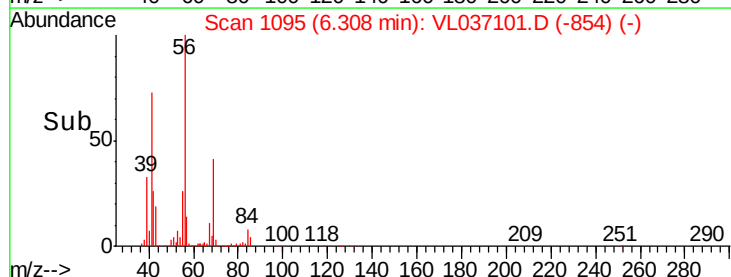
71 0.0 30.4 45.6#

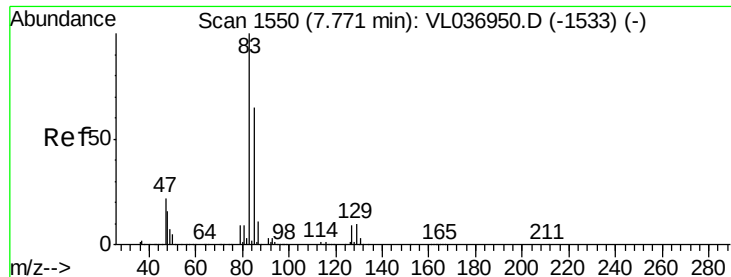


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0





#42

Bromodichloromethane

Concen: 0.059 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :
MSVOA_L
ClientSampleId :

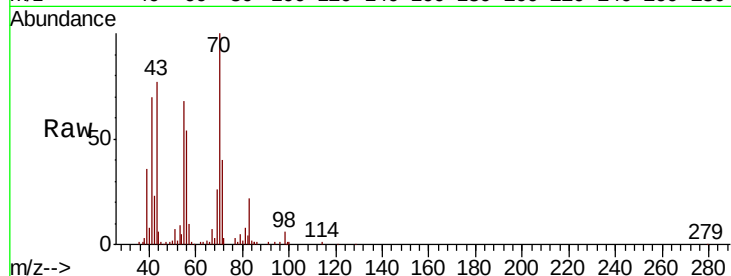
Tot Ion: 83 Resp: 15606

Ion Ratio Lower Upper

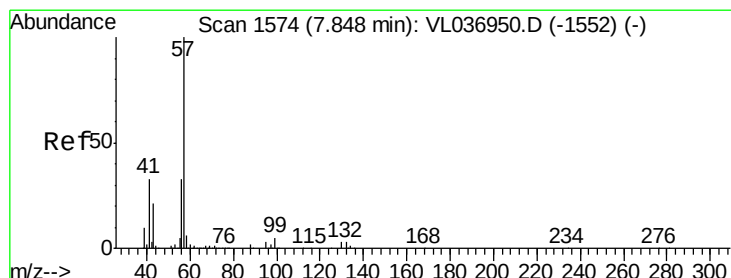
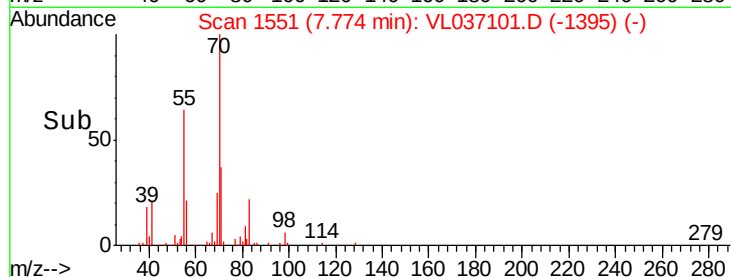
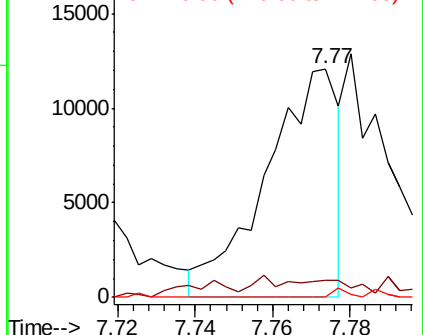
83 100

85 2.3 51.7 77.5#

127 0.0 6.9 10.3#



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.911 ppbv

RT: 7.85 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

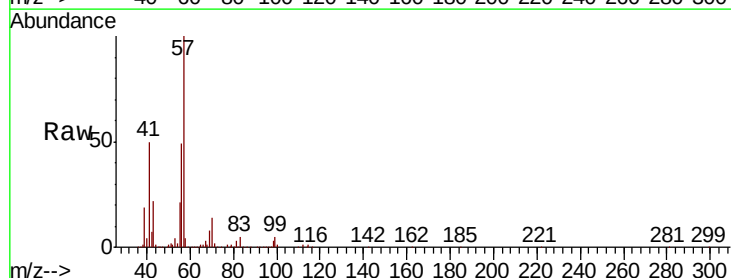
Tgt Ion: 57 Resp: 552566

Ion Ratio Lower Upper

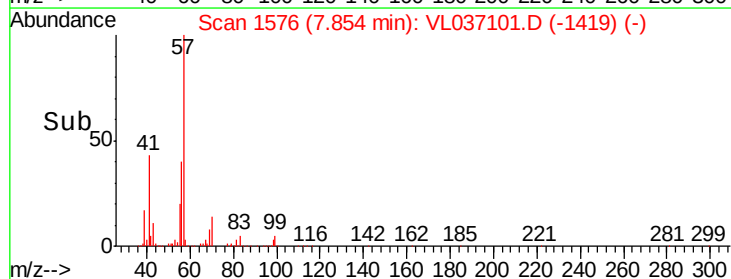
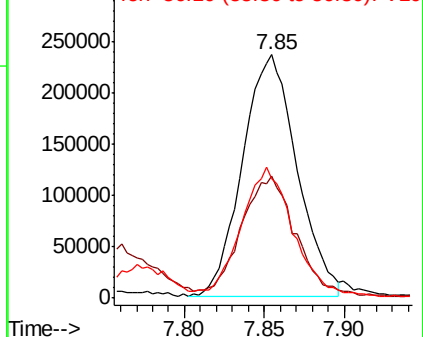
57 100

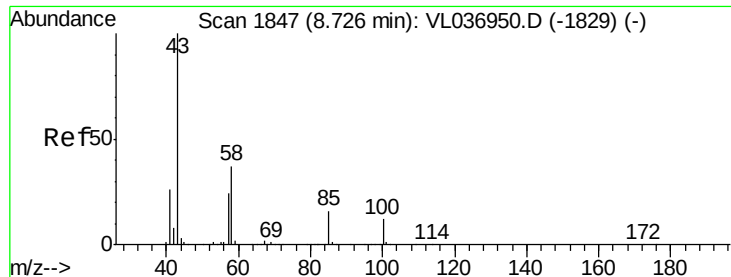
41 50.5 27.0 40.4#

56 53.0 25.4 38.2#



Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

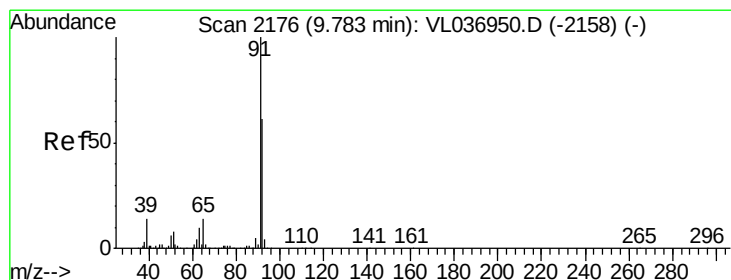
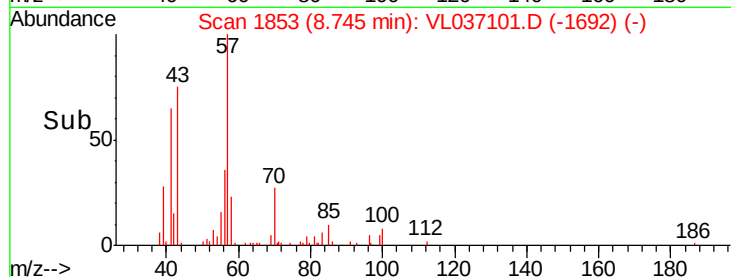
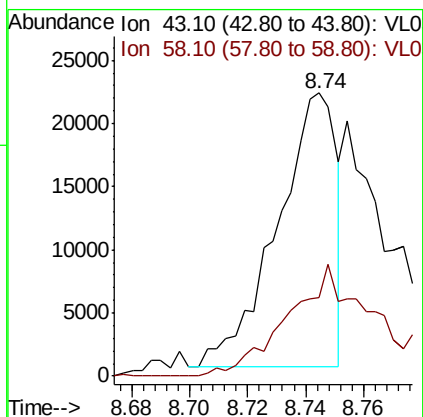
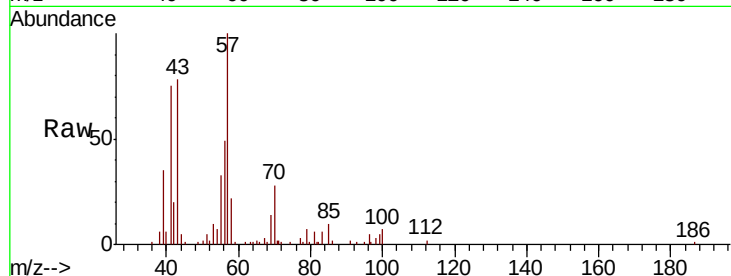




#50
4-Methyl-2-Pentanone
Concen: 0.125 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

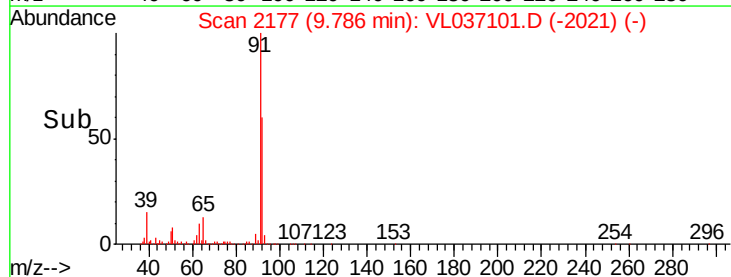
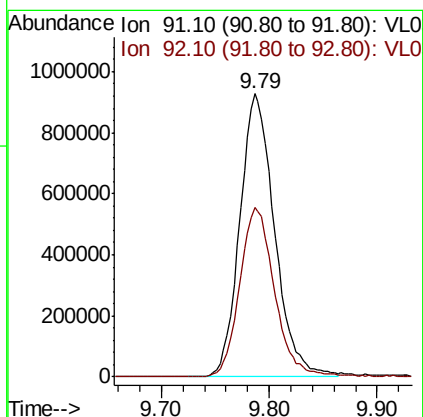
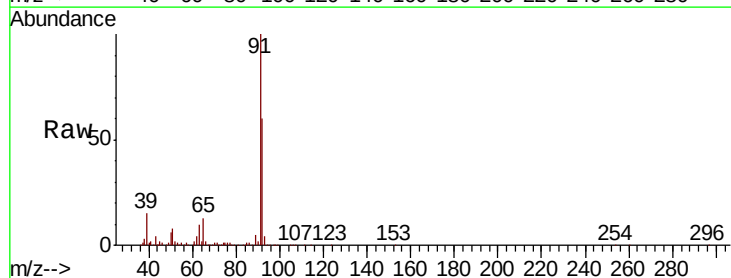
Instrument :
MSVOA_L
ClientSampleId :

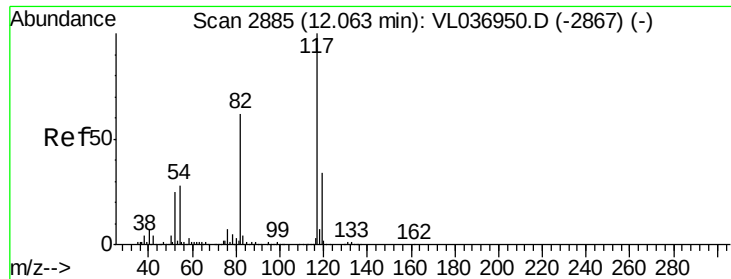
Tot Ion: 43 Resp: 30772
Ion Ratio Lower Upper
43 100
58 62.2 29.4 44.2#



#53
Toluene
Concen: 4.939 ppbv
RT: 9.79 min Scan# 2177
Delta R.T. 0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 91 Resp: 2078300
Ion Ratio Lower Upper
91 100
92 60.2 49.5 74.3

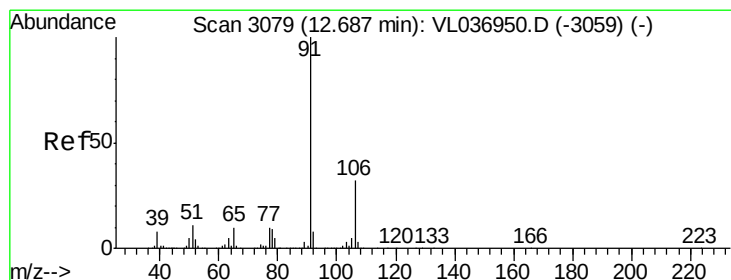
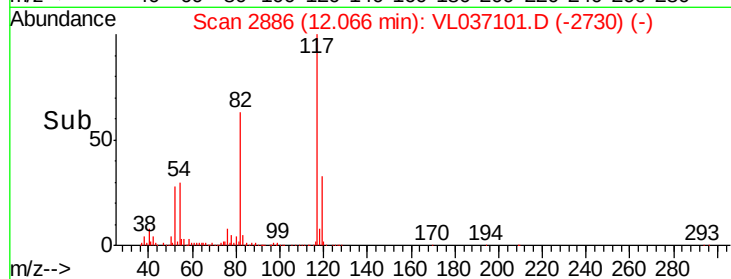
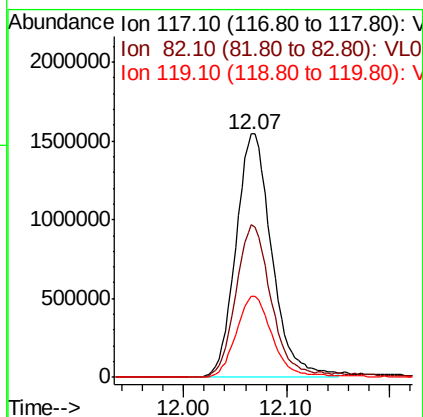
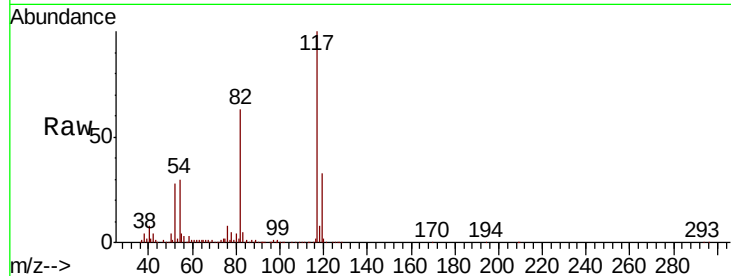




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

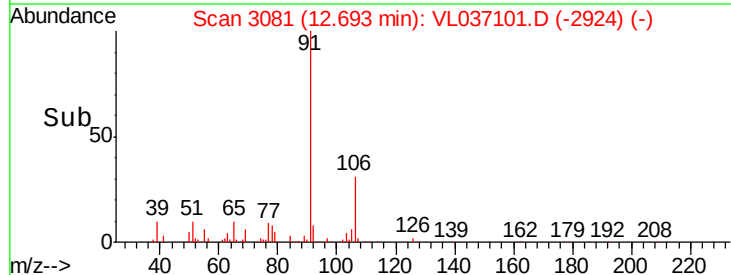
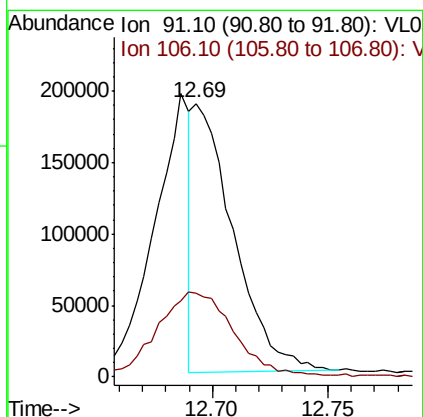
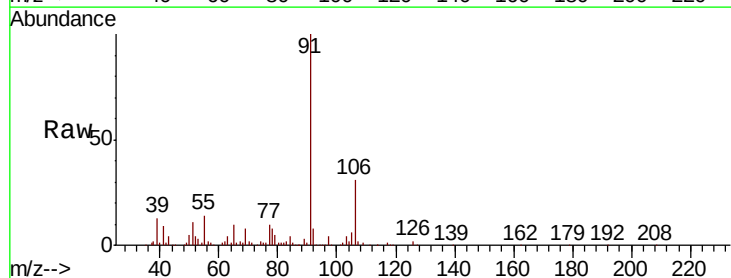
Instrument :
MSVOA_L
ClientSampleId :

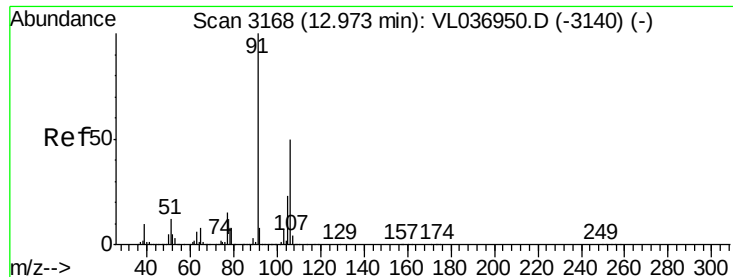
Tot Ion:117 Resp: 3763027
Ion Ratio Lower Upper
117 100
82 64.5 52.6 79.0
119 34.0 46.6 70.0#



#58
Ethyl Benzene
Concen: 0.423 ppbv
RT: 12.69 min Scan# 3081
Delta R.T. 0.01 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 91 Resp: 224840
Ion Ratio Lower Upper
91 100
106 30.5 25.6 38.4

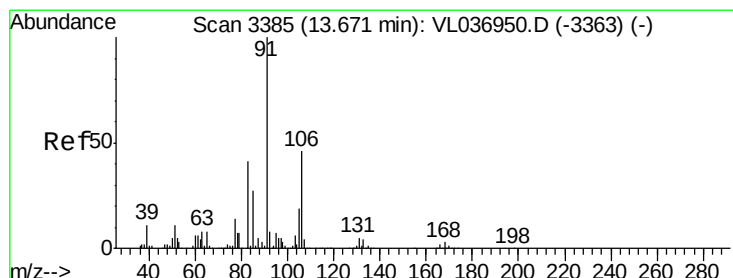
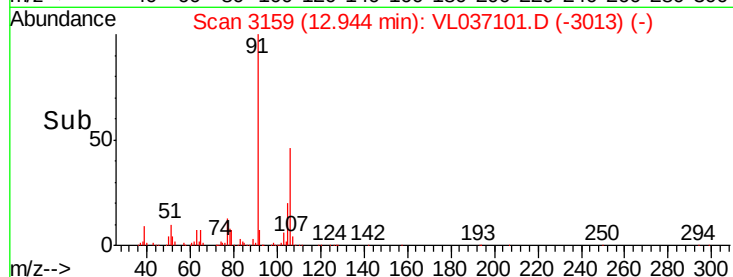
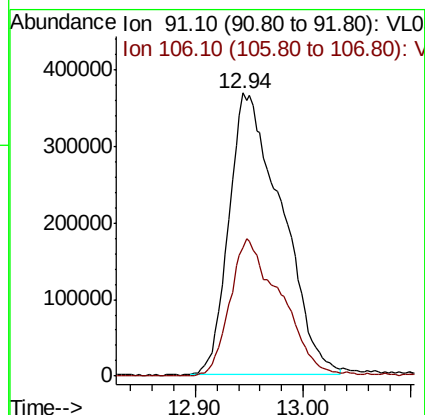
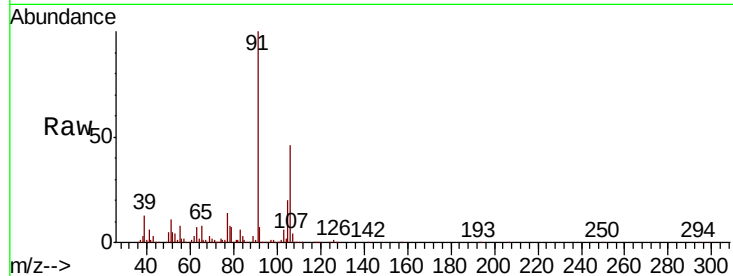




#59
m/p-Xylene
Concen: 2.842 ppbv
RT: 12.94 min Scan# 3159
Delta R.T. -0.03 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

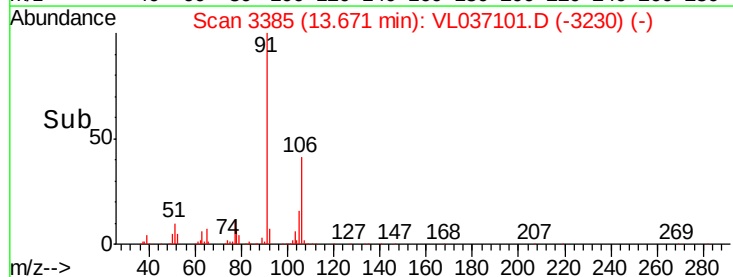
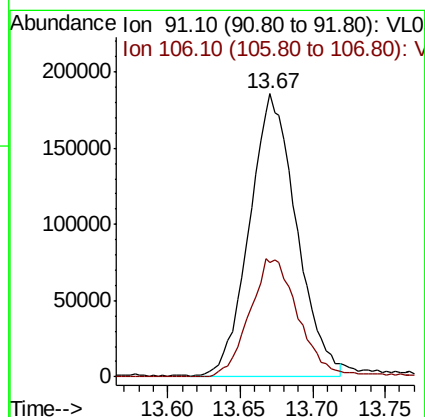
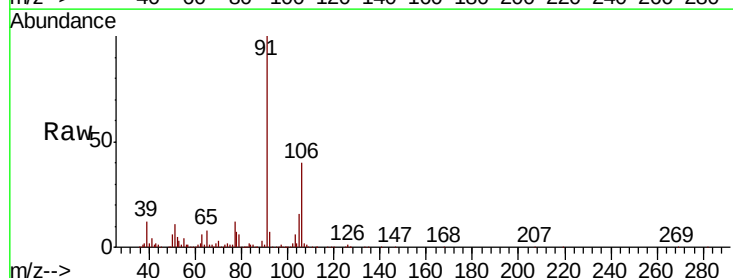
Instrument :
MSVOA_L
ClientSampleId :

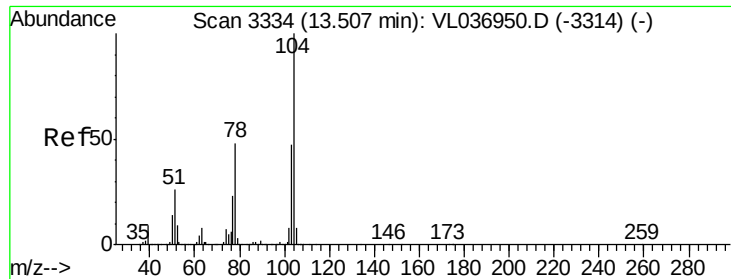
Tot Ion: 91 Resp: 1247559
Ion Ratio Lower Upper
91 100
106 47.3 37.4 56.2



#60
o-Xylene
Concen: 0.994 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037101.D
Acq: 2 Jun 2021 14:34

Tgt Ion: 91 Resp: 416374
Ion Ratio Lower Upper
91 100
106 44.3 23.4 70.3





#61

Stvrene

Concen: 0.066 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

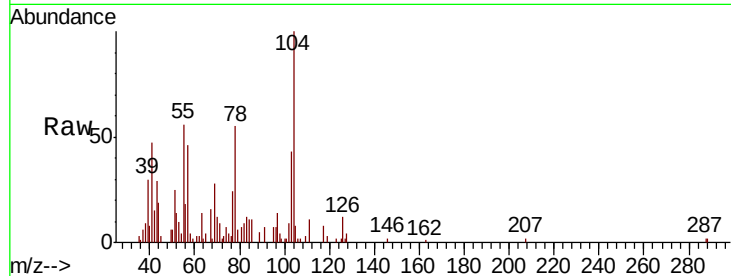
Tot Ion:104 Resp: 15637

Ion Ratio Lower Upper

104 100

78 99.6 39.0 58.6#

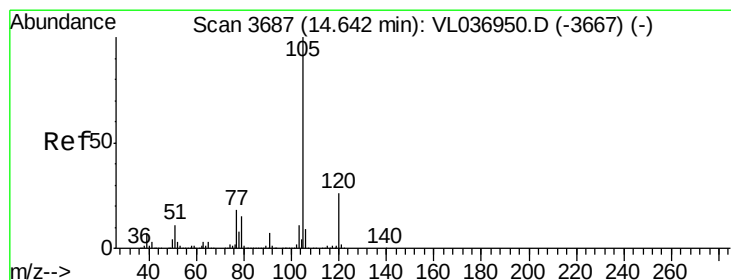
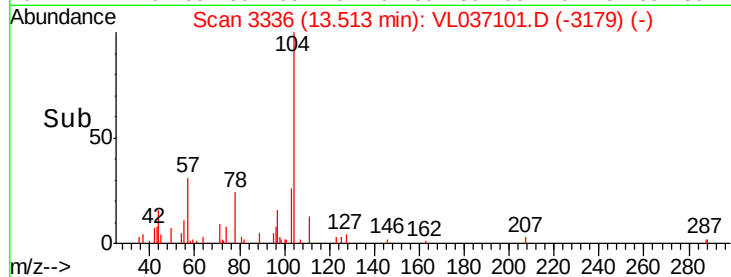
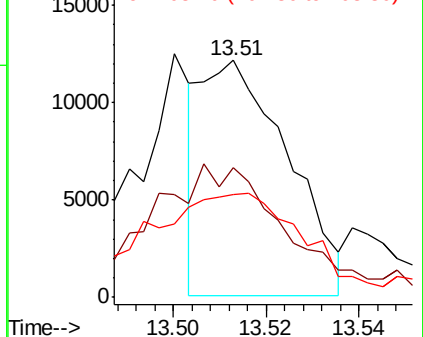
103 91.1 38.0 57.0#



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.691 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. 0.01 min

Lab File: VL037101.D

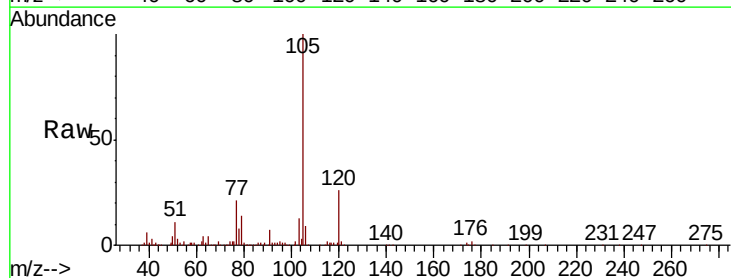
Acq: 2 Jun 2021 14:34

Tgt Ion:105 Resp: 415654

Ion Ratio Lower Upper

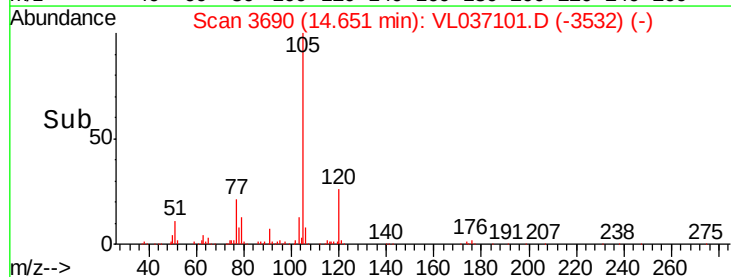
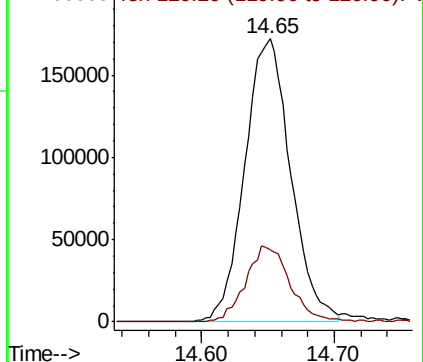
105 100

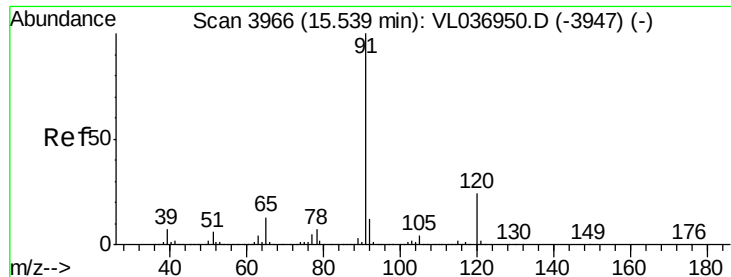
120 26.1 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.035 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

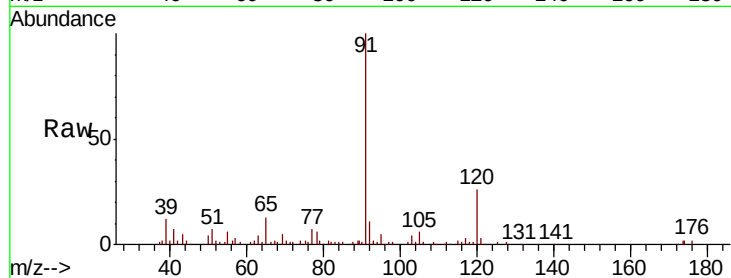
ClientSampleId :

Tot Ion:120 Resp: 5375

Ion Ratio Lower Upper

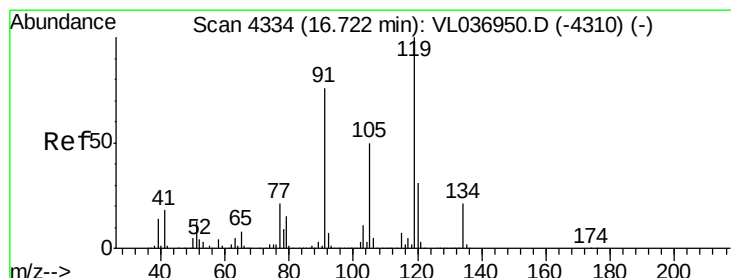
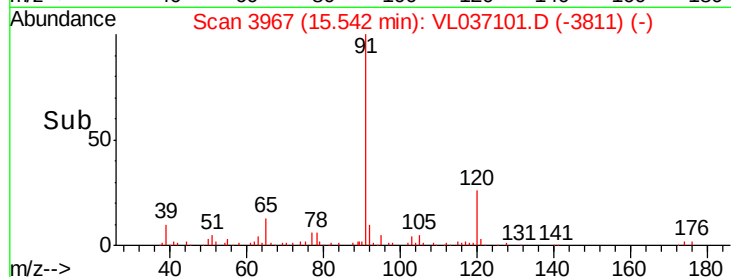
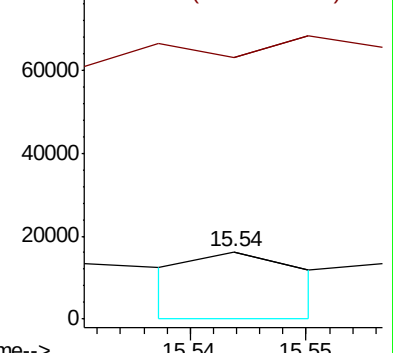
120 100

91 0.0 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.139 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.02 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

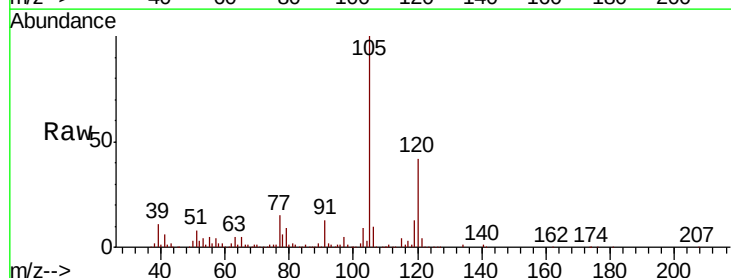
Tgt Ion:119 Resp: 75263

Ion Ratio Lower Upper

119 100

91 107.5 61.9 92.9#

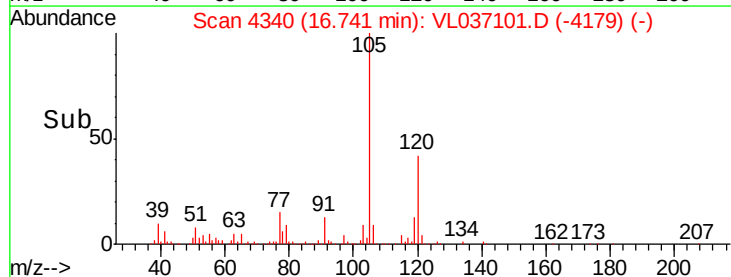
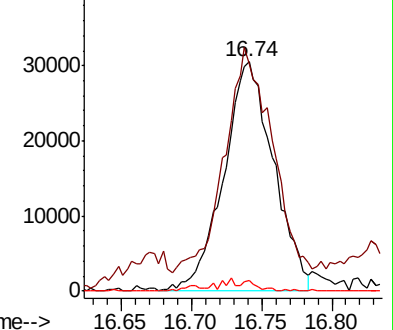
134 4.3 16.2 24.4#

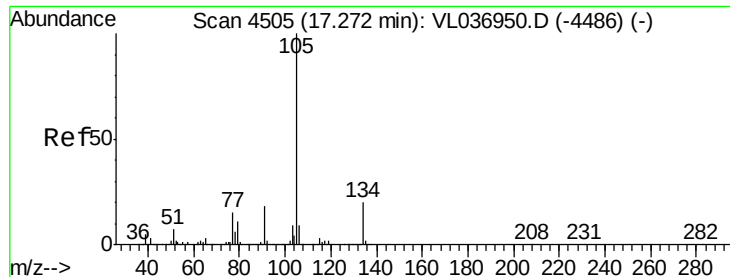


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.038 ppbv

RT: 17.27 min Scan# 4506

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

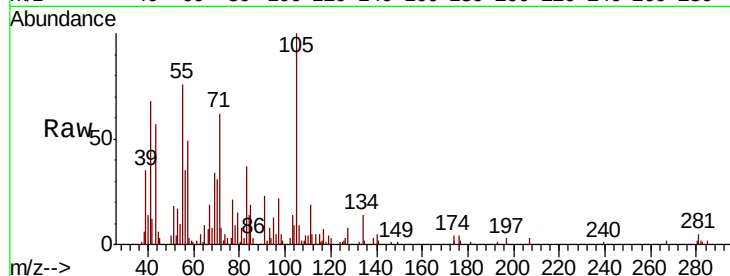
ClientSampleId :

Tot Ion:105 Resp: 28183

Ion Ratio Lower Upper

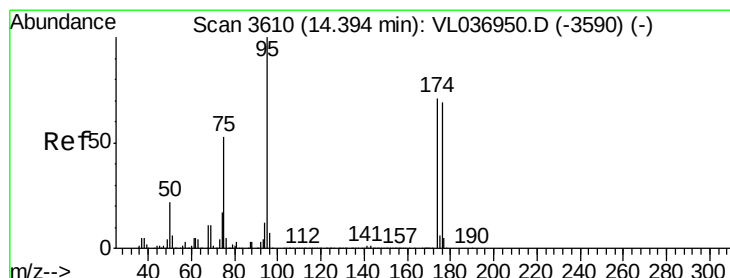
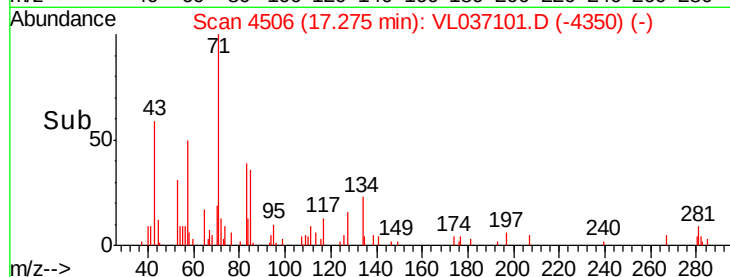
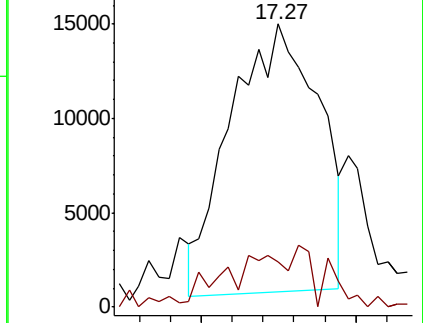
105 100

134 22.2 15.6 23.4



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: 10.065 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

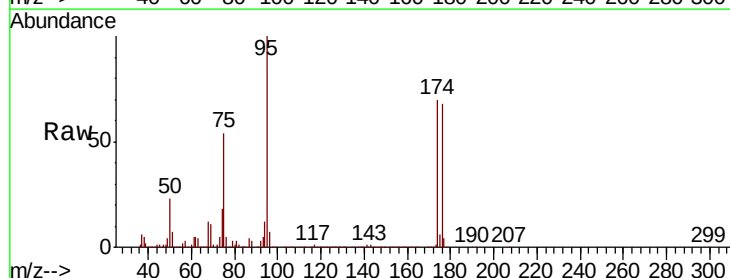
Tgt Ion: 95 Resp: 2845361

Ion Ratio Lower Upper

95 100

174 74.3 58.4 87.6

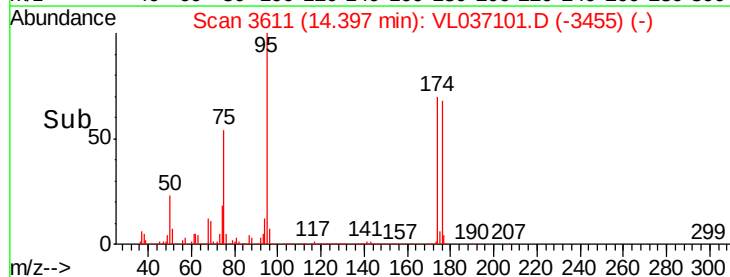
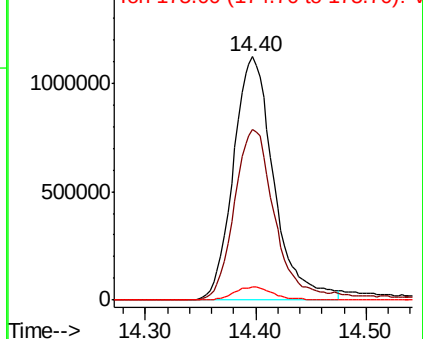
175 5.6 4.4 6.6

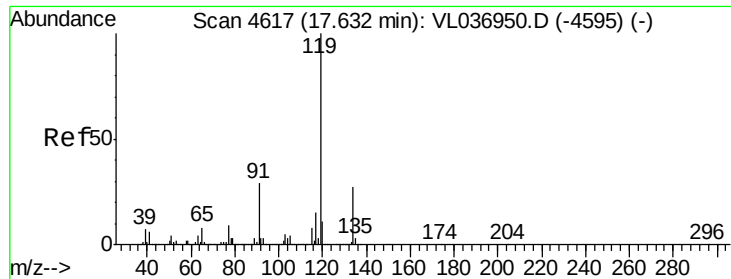


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

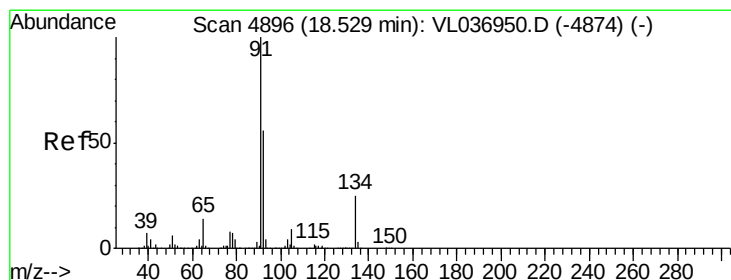
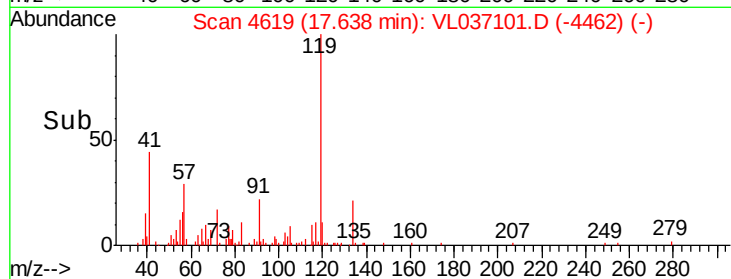
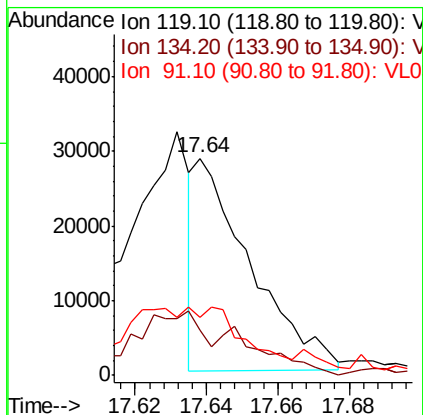
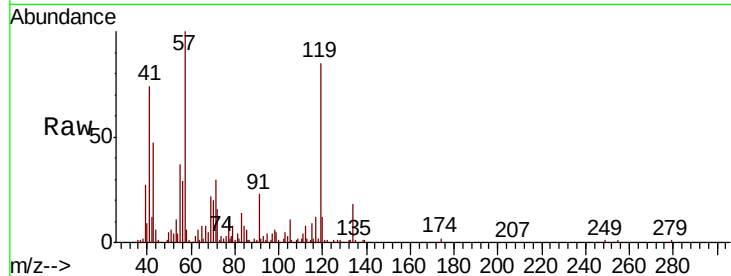




#69
 p-Isopropyltoluene
 Concen: 0.048 ppbv
 RT: 17.64 min Scan# 4619
 Delta R.T. 0.01 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

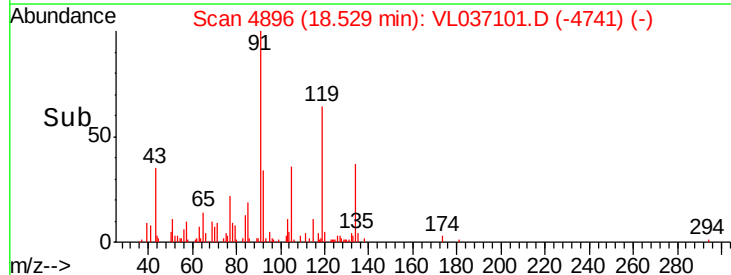
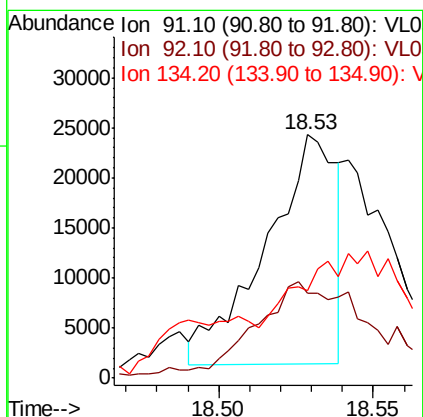
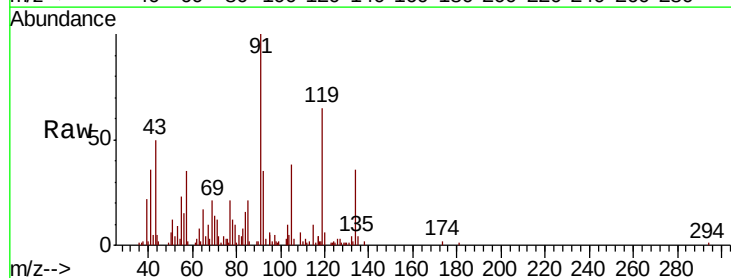
Instrument :
 MSVOA_L
 ClientSampleId :

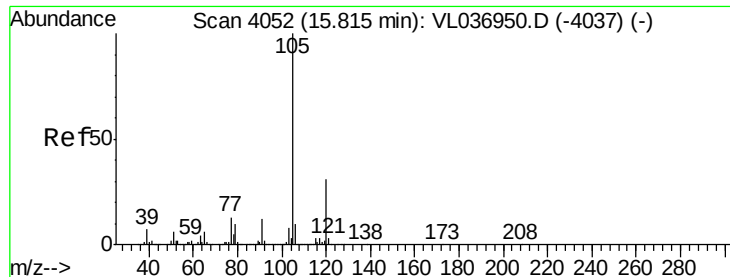
Tot Ion:119 Resp: 30344
 Ion Ratio Lower Upper
 119 100
 134 63.1 21.2 31.8#
 91 79.4 22.2 33.4#



#70
 n-Butylbenzene
 Concen: 0.060 ppbv
 RT: 18.53 min Scan# 4896
 Delta R.T. -0.00 min
 Lab File: VL037101.D
 Acq: 2 Jun 2021 14:34

Tgt Ion: 91 Resp: 36368
 Ion Ratio Lower Upper
 91 100
 92 75.6 44.6 66.8#
 134 0.0 20.2 30.2#





#72

4-Ethyltoluene

Concen: 0.409 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. 0.01 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 203414

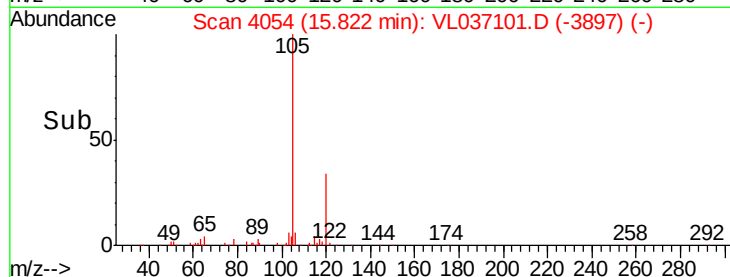
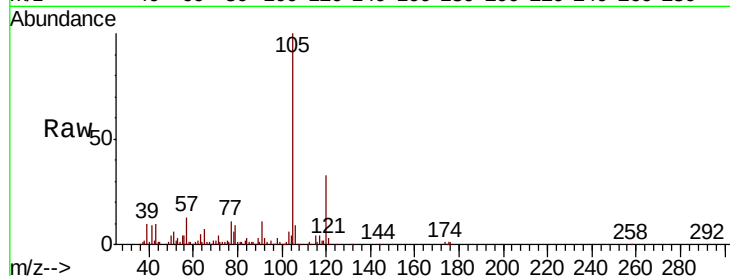
Ion Ratio Lower Upper

105 100

120 32.0 24.6 37.0

91 15.1 9.8 14.6#

77 14.1 10.4 15.6

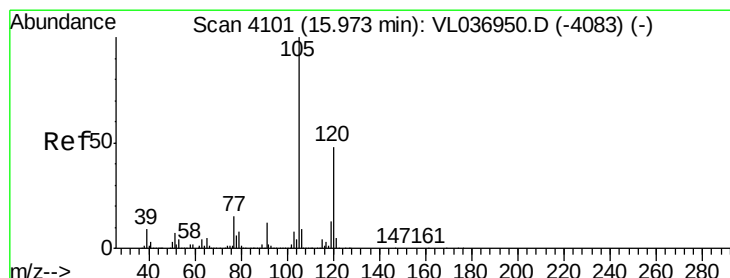
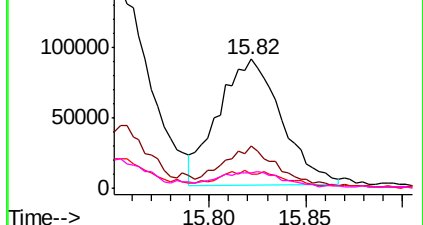


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.320 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037101.D

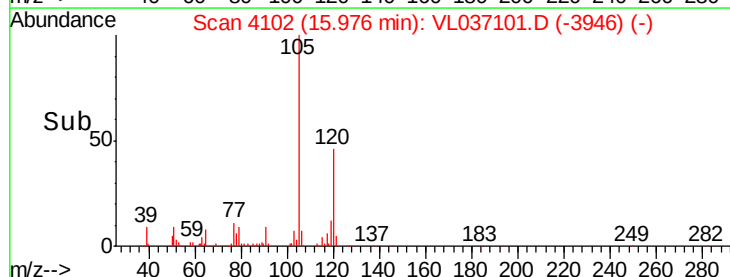
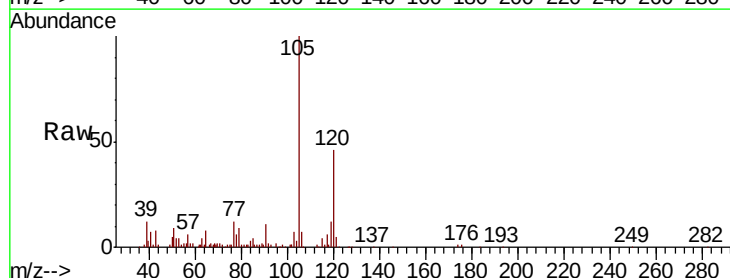
Acq: 2 Jun 2021 14:34

Tgt Ion:105 Resp: 149138

Ion Ratio Lower Upper

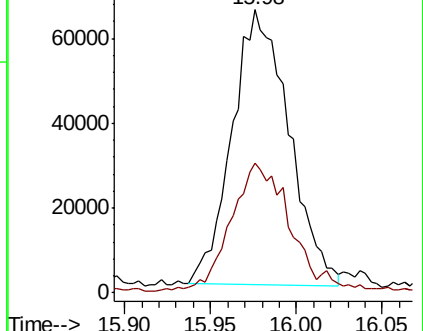
105 100

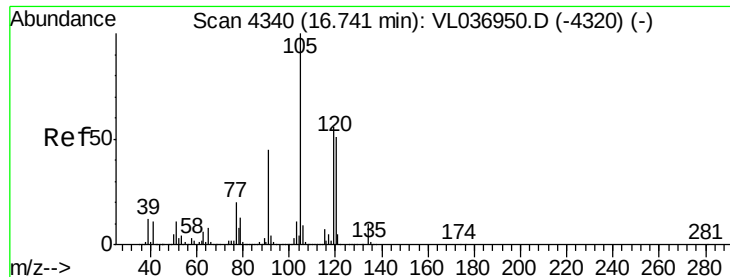
120 45.3 38.6 58.0



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: 1.226 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037101.D

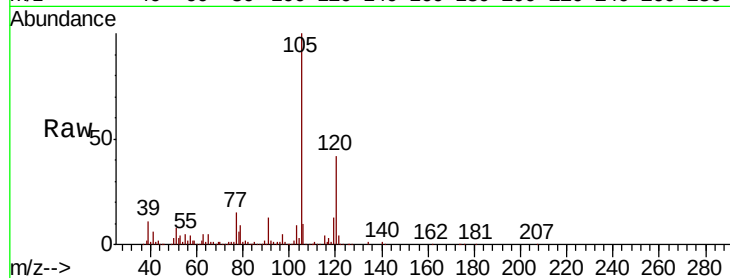
Acq: 2 Jun 2021 14:34

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	591507
Ion	Ratio	Lower	Upper
105	100		
120	42.3	40.6	61.0
91	11.8	37.4	56.0#
77	13.3	16.2	24.4#



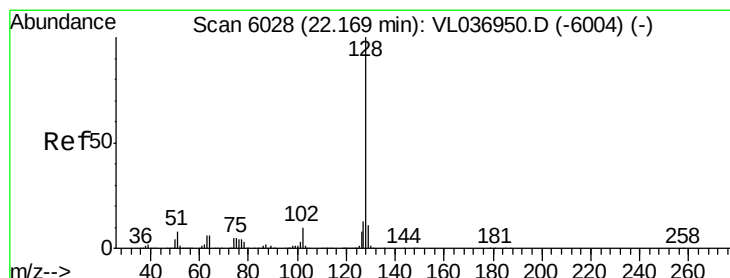
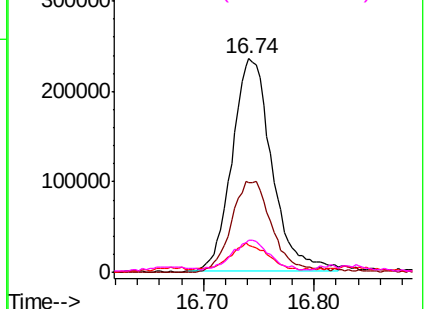
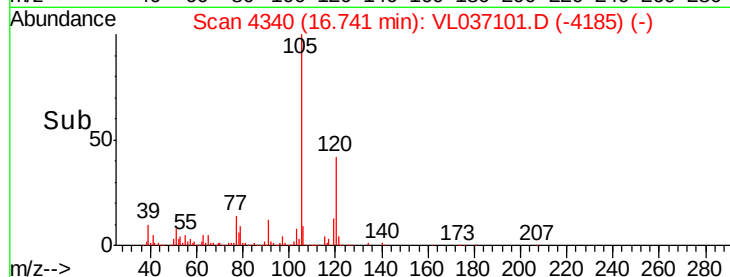
Abundance

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: 0.052 ppbv

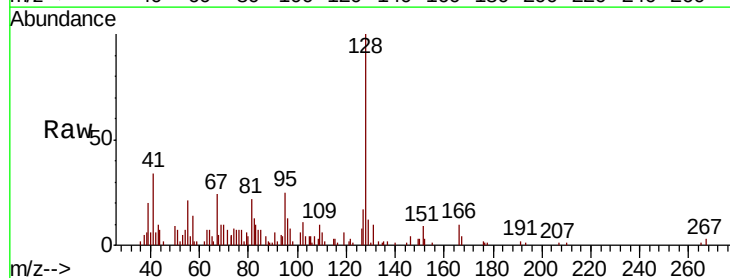
RT: 22.18 min Scan# 6033

Delta R.T. 0.02 min

Lab File: VL037101.D

Acq: 2 Jun 2021 14:34

Tgt Ion:	128	Resp:	19739
Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.4	15.6
129	9.6	9.0	13.6



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

