

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037040.D
 Acq On : 21 May 2021 1:26
 Operator : SY/AP
 Sample : M2424-13 2X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Quant Time: May 21 03:39:03 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	5.63	49	1130137	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.14	114	3307666	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	3005708	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	2211006	9.79	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

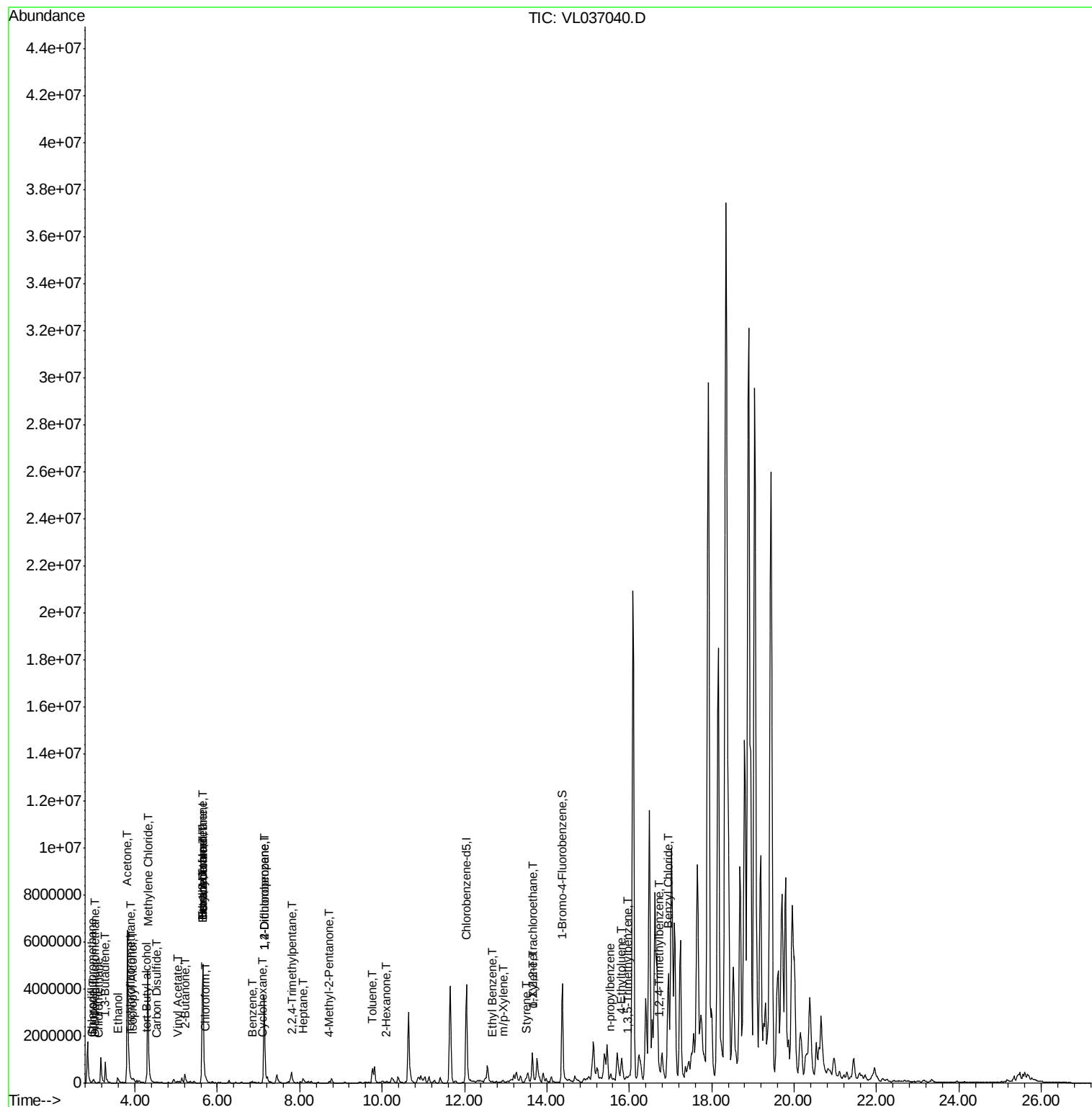
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	31075	0.162	ppbv #	87
3) Chlorodifluoromethane	2.96	51	31882	0.154	ppbv	99
4) Chloromethane	3.11	50	38842	0.551	ppbv	97
9) Propene	2.98	41	74705	1.008	ppbv	99
10) Heptane	8.08	43	58340	0.316	ppbv #	51
11) Trichlorofluoromethane	3.92	101	17546	0.099	ppbv	88
13) Ethanol	3.58	45	319647	32.314	ppbv	96
15) Acetone	3.82	43	8968648	77.479	ppbv	99
16) 1,3-Butadiene	3.28	39	267883	3.725	ppbv #	16
17) tert-Butyl alcohol	4.28	59	81750	0.771	ppbv	94
19) Isopropyl Alcohol	3.95	45	151777	2.439	ppbv #	30
20) Methylene Chloride	4.31	84	2076745	33.469	ppbv	99
23) Vinyl Acetate	5.03	43	34437	0.187	ppbv #	60
25) Ethyl Acetate	5.65	43	1465993	5.270	ppbv #	82
26) Hexane	5.65	57	1813774	12.764	ppbv #	49
27) Carbon Disulfide	4.52	76	6737	0.047	ppbv #	28
29) Chloroform	5.72	83	69354	0.345	ppbv	92
30) Cyclohexane	7.09	84	7235	0.060	ppbv #	1
31) cis-1,2-Dichloroethene	5.64	61	25999	0.204	ppbv #	30
34) 2-Butanone	5.21	43	545796	4.532	ppbv	97
36) Benzene	6.85	78	38871	0.136	ppbv	97
39) 1,2-Dichloropropane	7.14	63	788438	7.184	ppbv #	26
41) Tetrahydrofuran	5.65	42	671635	9.791	ppbv #	50
44) 2,2,4-Trimethylpentane	7.83	57	30085	0.062	ppbv #	42
50) 4-Methyl-2-Pentanone	8.72	43	29933	0.151	ppbv #	38
51) 2-Hexanone	10.10	43	23557	0.224	ppbv #	27
53) Toluene	9.76	91	535243	1.579	ppbv	98
58) Ethyl Benzene	12.67	91	42855	0.101	ppbv	94
59) m/p-Xylene	12.95	91	29126	0.083	ppbv #	30
60) o-Xylene	13.64	91	24123	0.072	ppbv #	62
61) Styrene	13.48	104	22542	0.120	ppbv #	86
63) 1,1,2,2-Tetrachloroethane	13.64	83	12941	0.052	ppbv #	25
64) n-propylbenzene	15.52	120	4127	0.033	ppbv #	1
66) Benzyl Chloride	16.94	91	875	0.036	ppbv #	1
72) 4-Ethyltoluene	15.80	105	48355	0.122	ppbv #	94
73) 1,3,5-Trimethylbenzene	15.95	105	36055	0.097	ppbv #	84
74) 1,2,4-Trimethylbenzene	16.72	105	191832	0.498	ppbv #	70

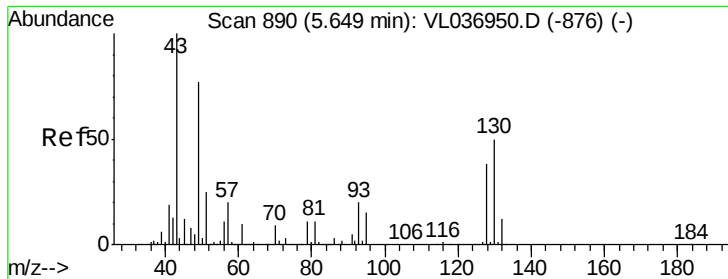
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.63 min Scan# 885

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

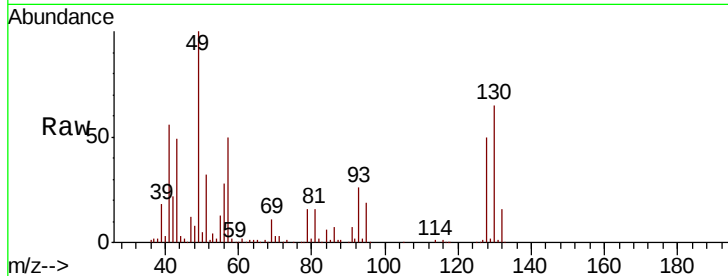
Tot Ion: 49 Resp: 1130137

Ion Ratio Lower Upper

49 100

128 53.5 26.9 80.7

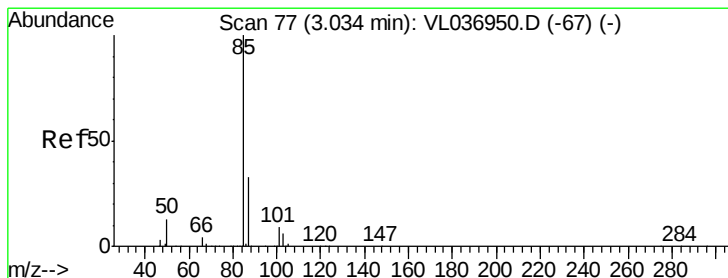
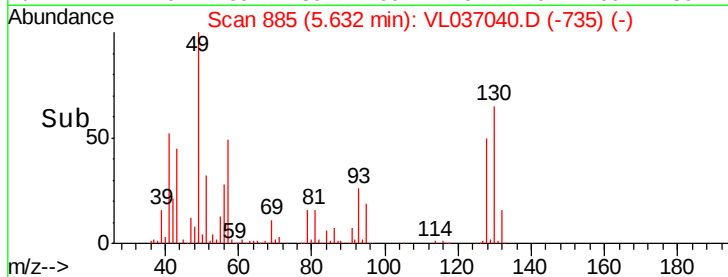
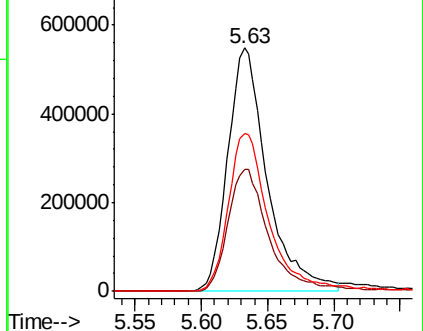
130 69.3 33.8 101.4



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: 0.162 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.01 min

Lab File: VL037040.D

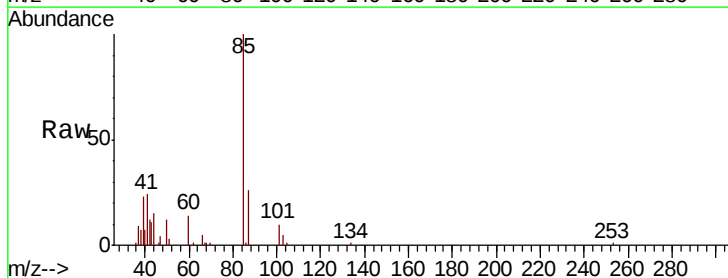
Acq: 21 May 2021 1:26

Tgt Ion: 85 Resp: 31075

Ion Ratio Lower Upper

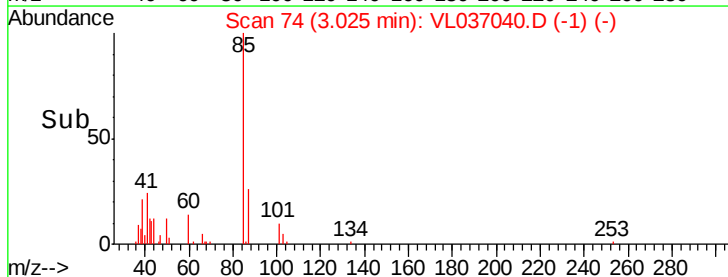
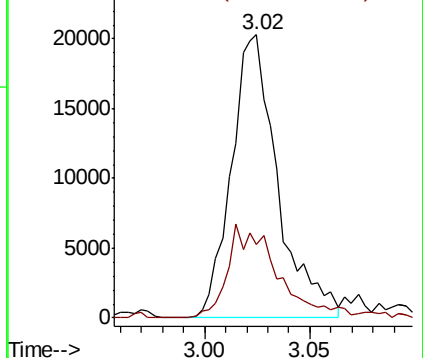
85 100

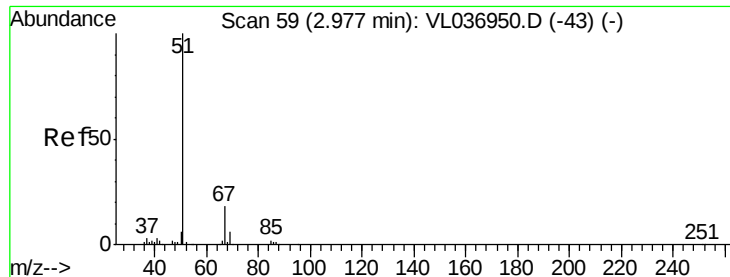
87 26.1 26.6 39.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.154 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

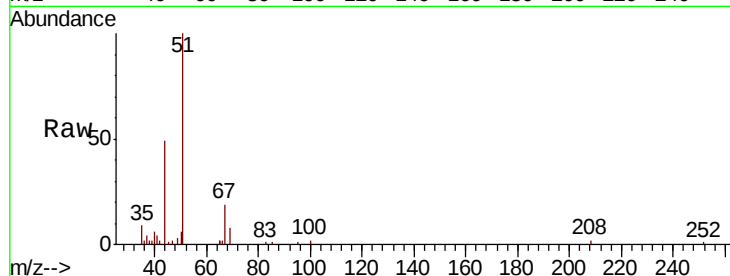
DUP-03-05132021

Tot Ion: 51 Resp: 31882

Ion Ratio Lower Upper

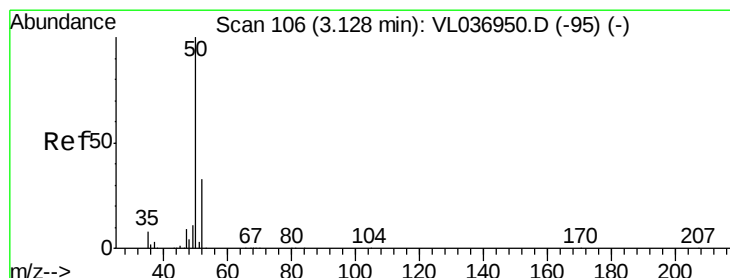
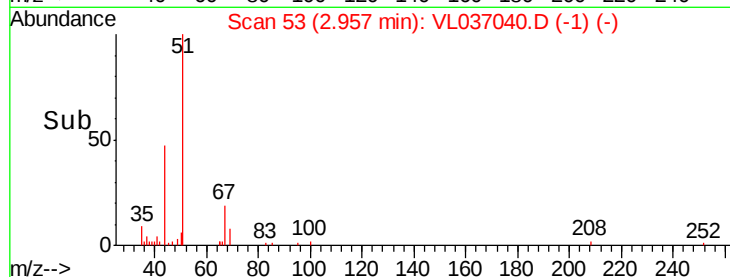
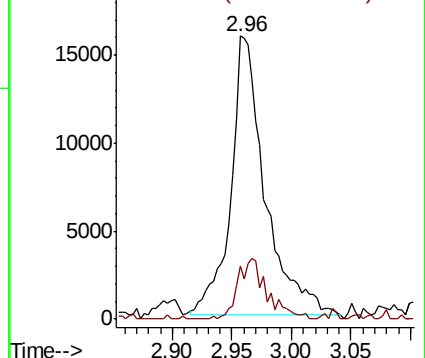
51 100

67 18.7 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: 0.551 ppbv

RT: 3.11 min Scan# 101

Delta R.T. -0.02 min

Lab File: VL037040.D

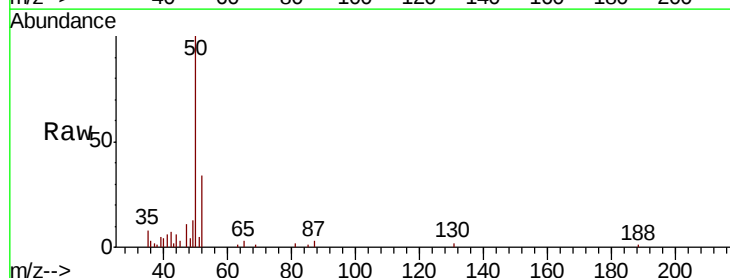
Acq: 21 May 2021 1:26

Tgt Ion: 50 Resp: 38842

Ion Ratio Lower Upper

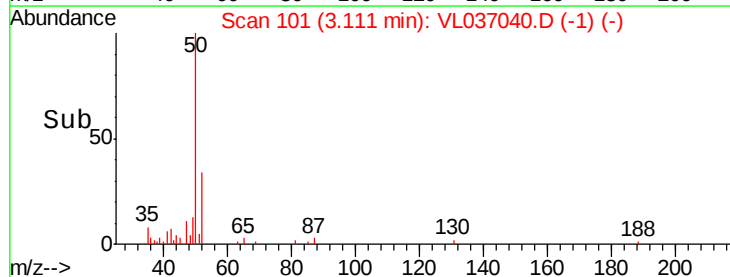
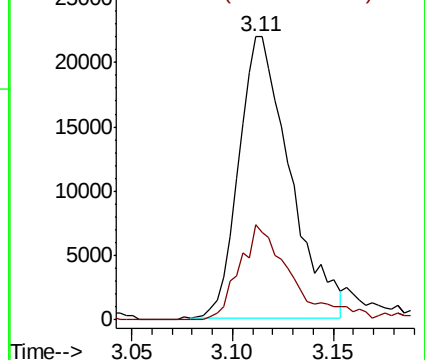
50 100

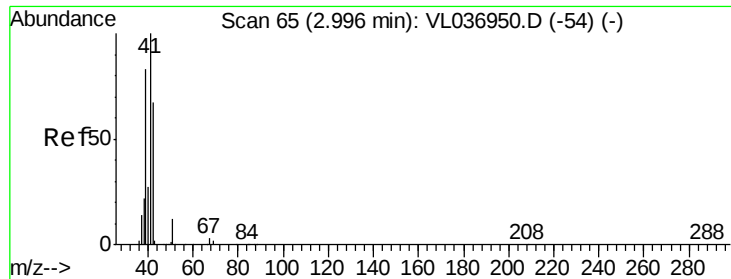
52 34.3 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.008 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.01 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

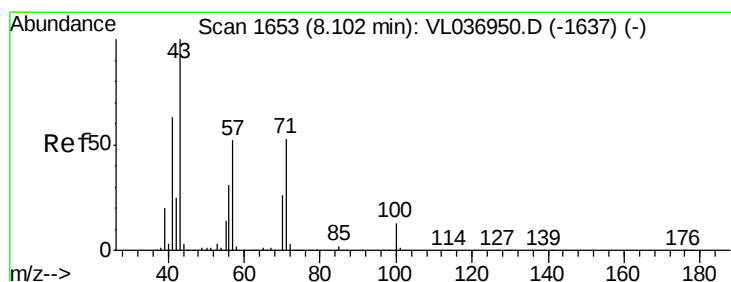
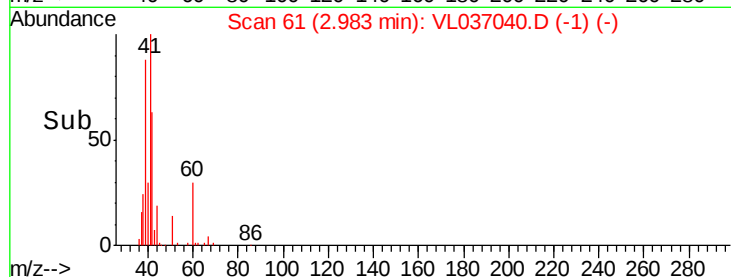
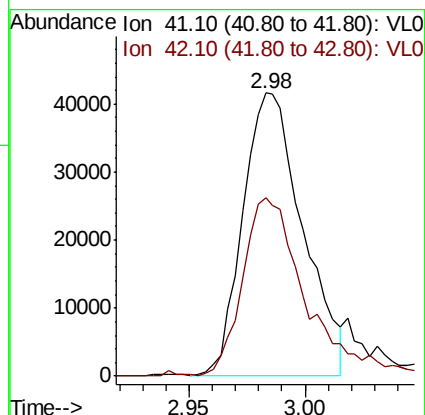
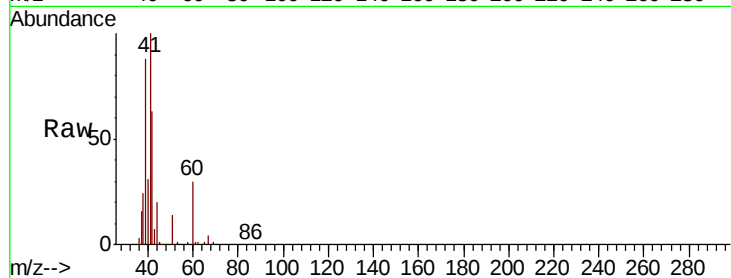
DUP-03-05132021

Tot Ion: 41 Resp: 74705

Ion Ratio Lower Upper

41 100

42 67.9 53.9 80.9



#10

Heptane

Concen: 0.316 ppbv

RT: 8.08 min Scan# 1646

Delta R.T. -0.02 min

Lab File: VL037040.D

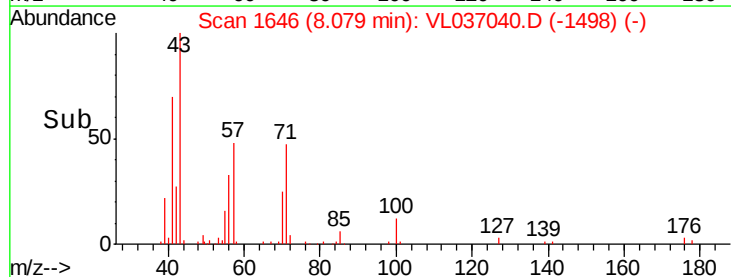
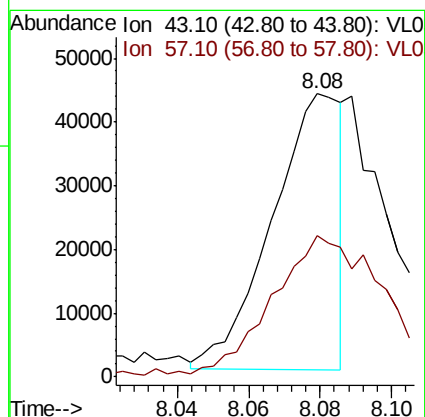
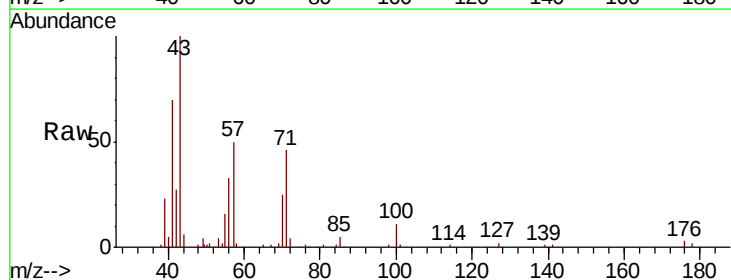
Acq: 21 May 2021 1:26

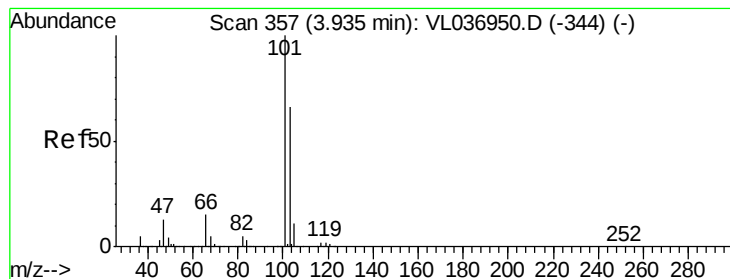
Tgt Ion: 43 Resp: 58340

Ion Ratio Lower Upper

43 100

57 85.6 41.0 61.6#





#11

Trichlorofluoromethane

Concen: 0.099 ppbv

RT: 3.92 min Scan# 351

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

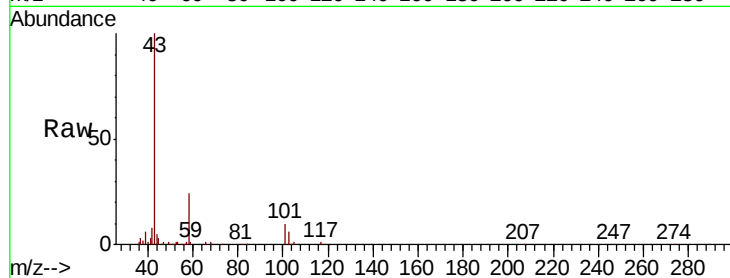
DUP-03-05132021

Tot Ion:101 Resp: 17546

Ion Ratio Lower Upper

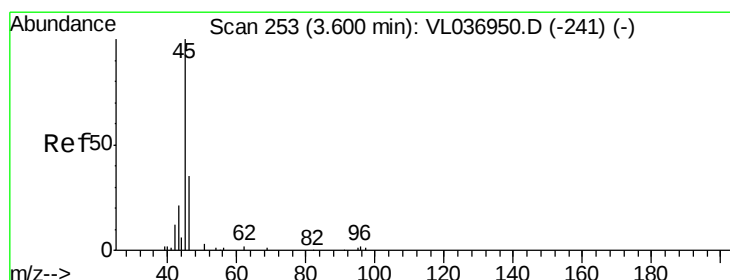
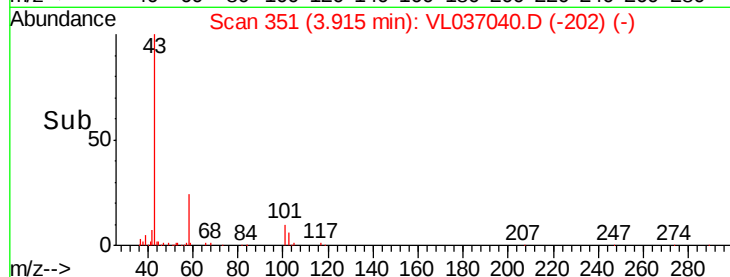
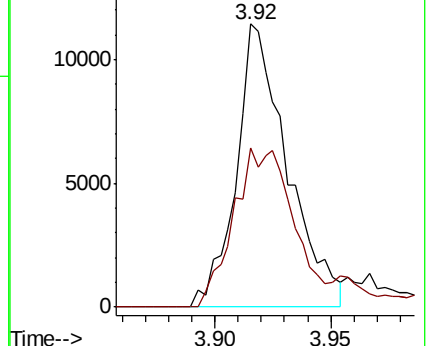
101 100

103 56.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 32.314 ppbv

RT: 3.58 min Scan# 246

Delta R.T. -0.02 min

Lab File: VL037040.D

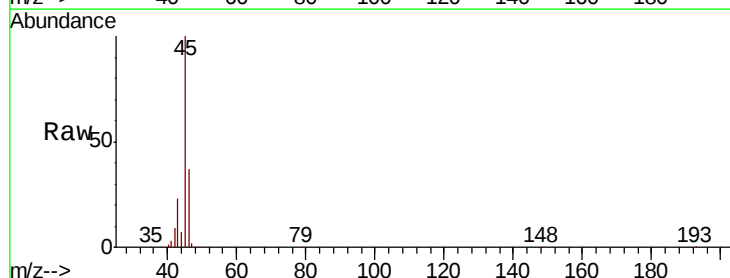
Acq: 21 May 2021 1:26

Tgt Ion: 45 Resp: 319647

Ion Ratio Lower Upper

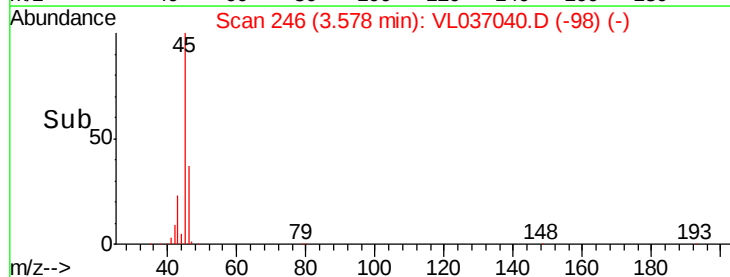
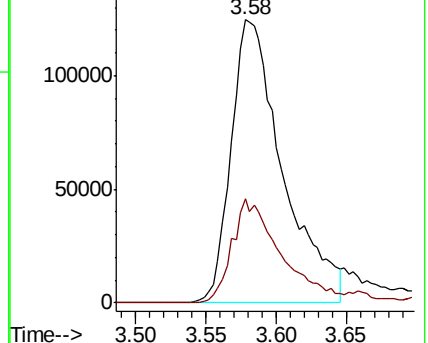
45 100

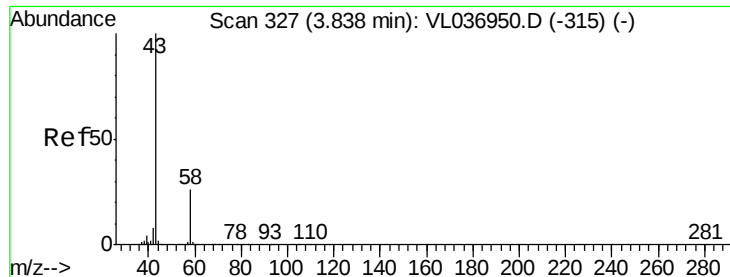
46 38.4 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 77.479 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

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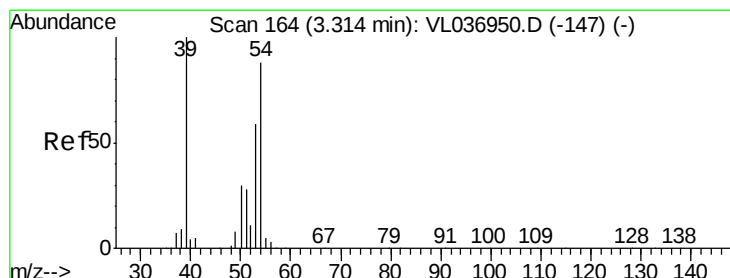
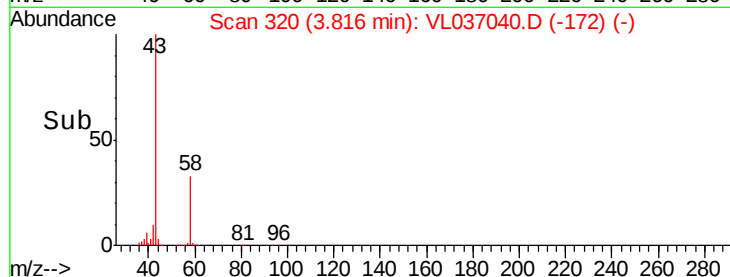
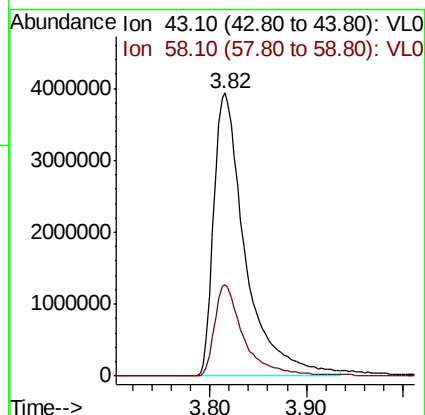
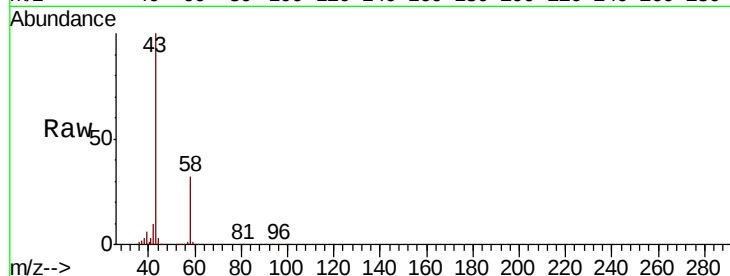
DUP-03-05132021

Tot Ion: 43 Resp: 8968648

Ion Ratio Lower Upper

43 100

58 30.8 24.0 36.0



#16

1,3-Butadiene

Concen: 3.725 ppbv

RT: 3.28 min Scan# 154

Delta R.T. -0.03 min

Lab File: VL037040.D

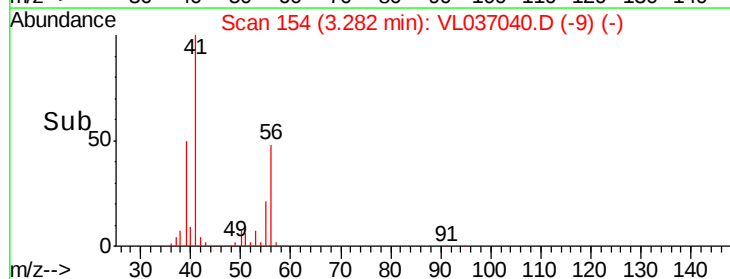
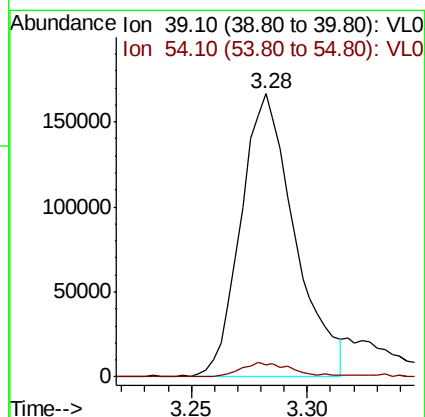
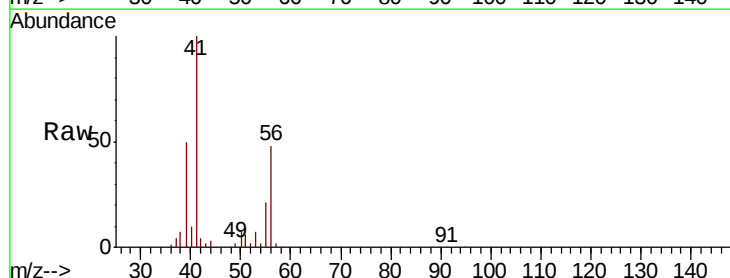
Acq: 21 May 2021 1:26

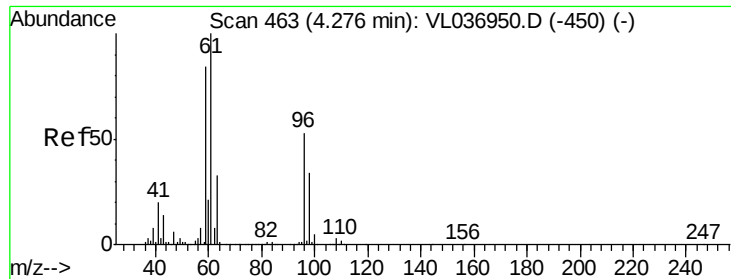
Tgt Ion: 39 Resp: 267883

Ion Ratio Lower Upper

39 100

54 5.5 63.2 94.8#

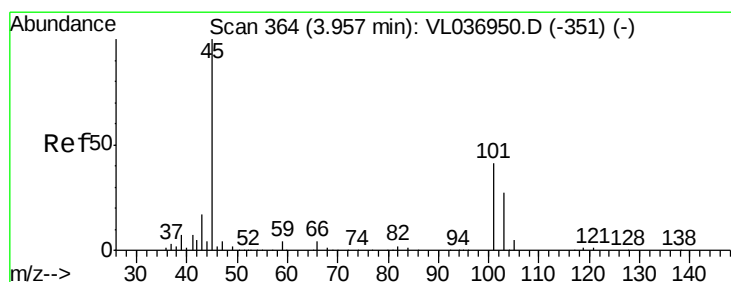
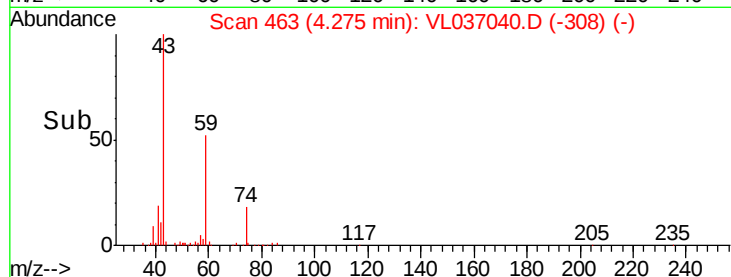
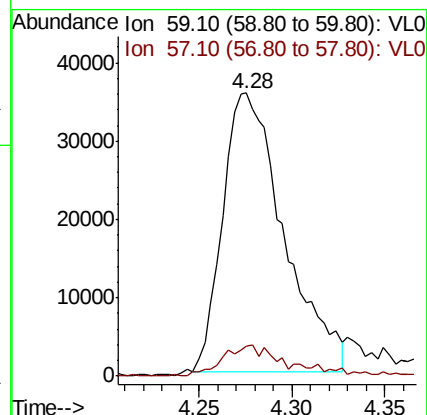
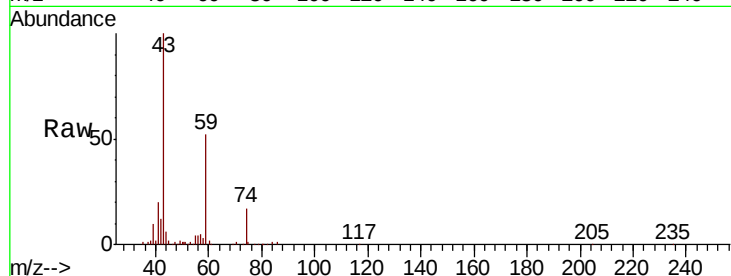




#17
tert-Butyl alcohol
Concen: 0.771 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

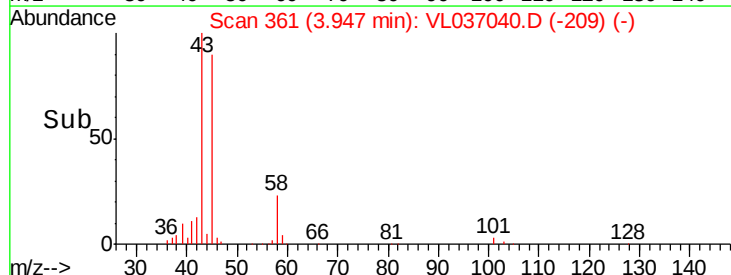
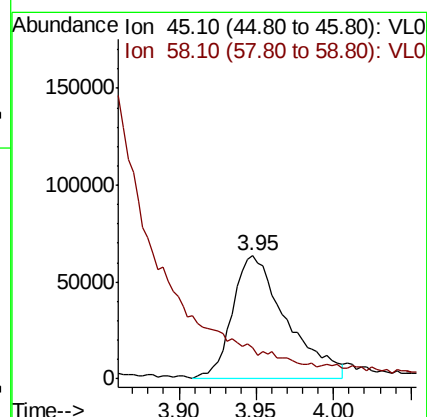
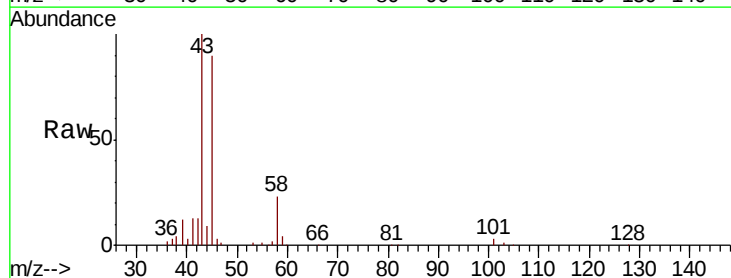
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

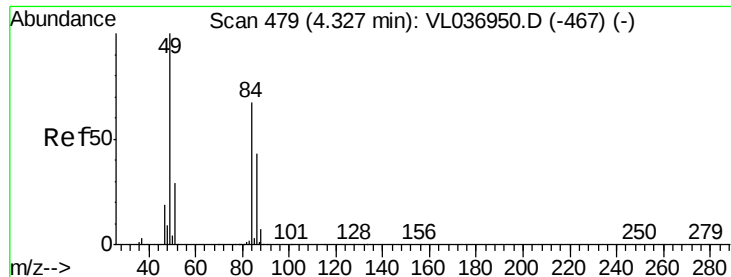
Tot Ion: 59 Resp: 81750
Ion Ratio Lower Upper
59 100
57 12.5 8.3 12.5



#19
Isopropyl Alcohol
Concen: 2.439 ppbv
RT: 3.95 min Scan# 361
Delta R.T. -0.01 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 45 Resp: 151777
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#

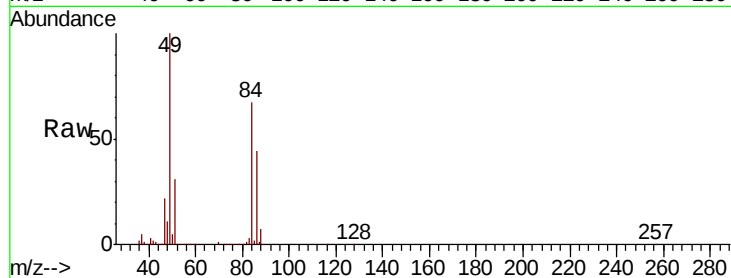




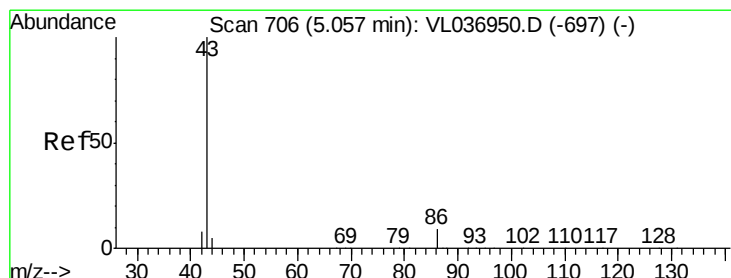
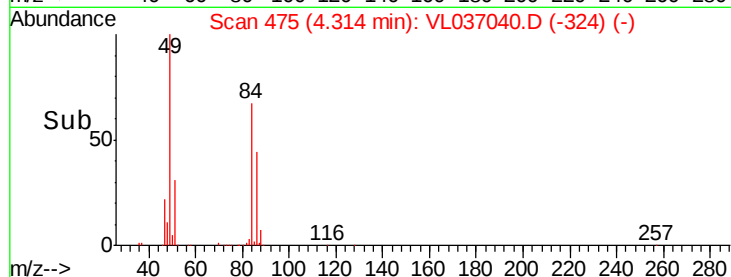
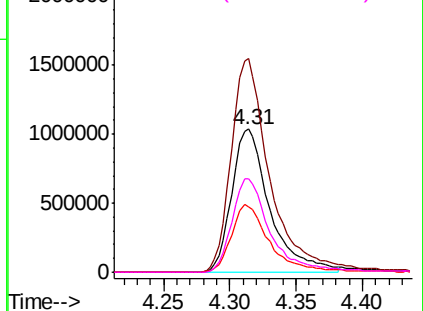
#20
Methvlene Chloride
Concen: 33.469 ppbv
RT: 4.31 min Scan# 475
Delta R.T. -0.01 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Tot Ion:	84	Resp:	2076745
Ion	Ratio	Lower	Upper
84	100		
49	149.2	119.8	179.6
51	46.0	35.1	52.7
86	65.2	50.9	76.3

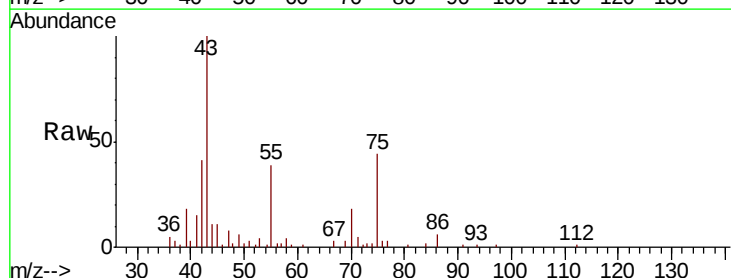


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

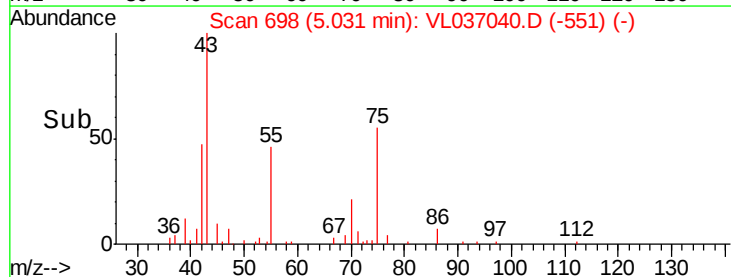
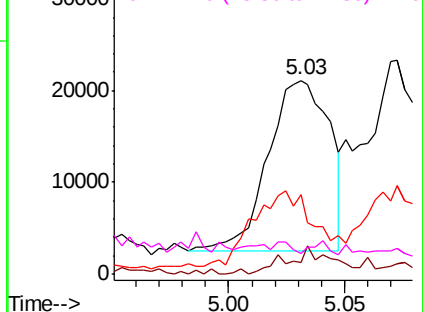


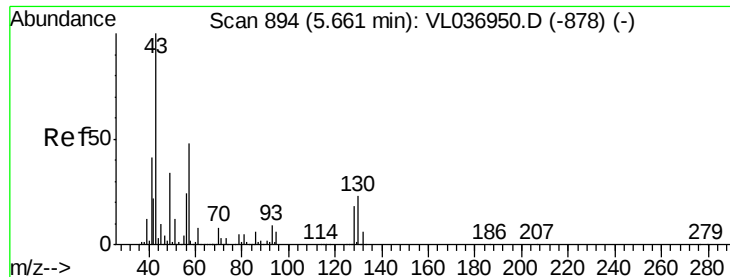
#23
Vinyl Acetate
Concen: 0.187 ppbv
RT: 5.03 min Scan# 698
Delta R.T. -0.03 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion:	43	Resp:	34437
Ion	Ratio	Lower	Upper
43	100		
86	6.6	5.8	8.8
42	39.7	7.4	11.2#
44	1.0	3.3	4.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#25

Ethyl Acetate

Concen: 5.270 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.01 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

Tot Ion: 43 Resp: 1465993

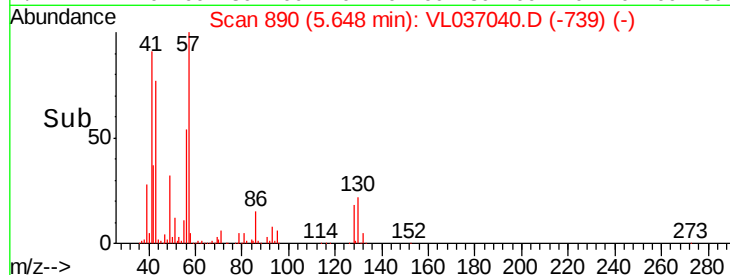
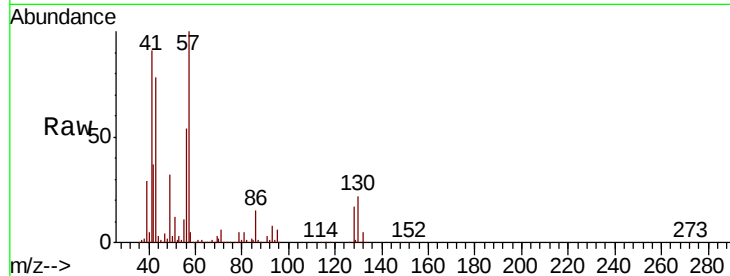
Ion Ratio Lower Upper

43 100

45 2.4 7.8 11.8#

61 2.1 7.8 11.8#

70 3.3 5.6 8.4#



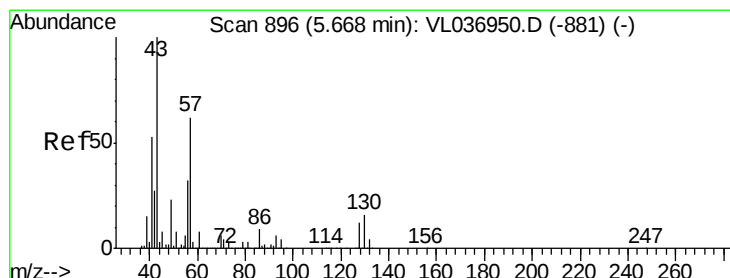
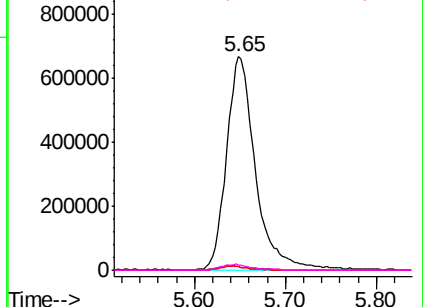
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 12.764 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Tgt Ion: 57 Resp: 1813774

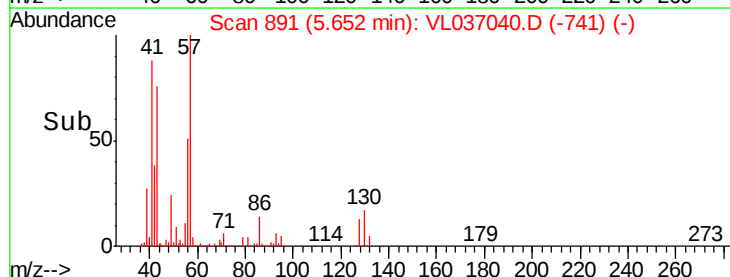
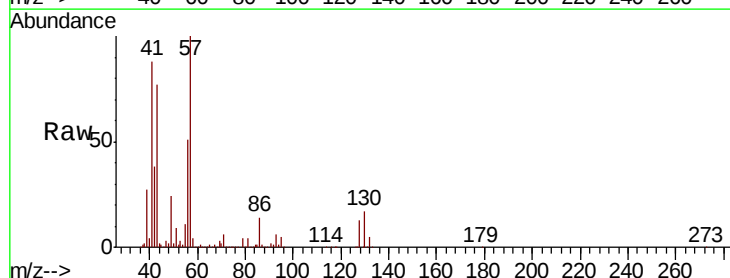
Ion Ratio Lower Upper

57 100

41 95.6 70.5 105.7

43 81.6 165.8 248.8#

56 54.0 42.2 63.4



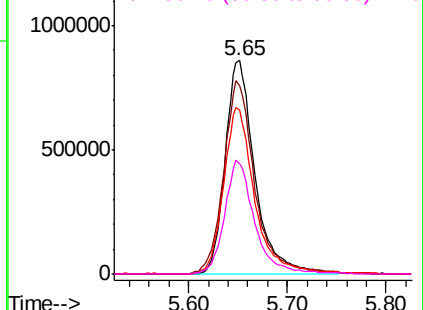
Abundance

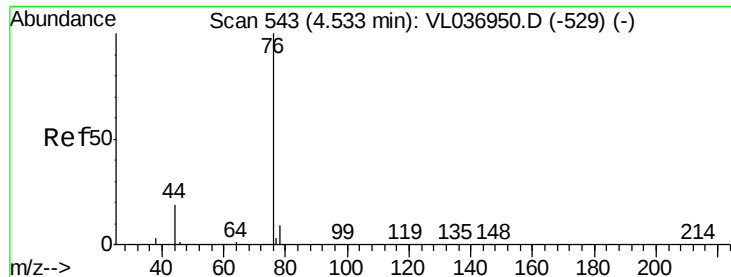
Ion 57.10 (56.80 to 57.80): VL0

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





#27

Carbon Disulfide

Concen: 0.047 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

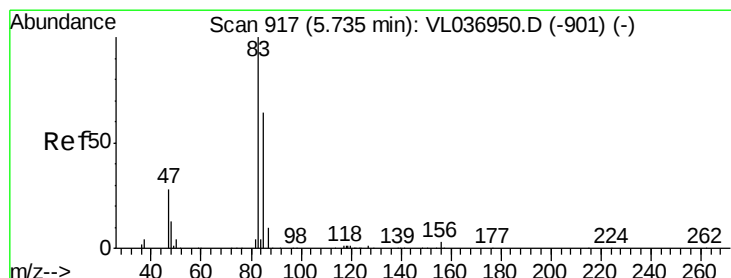
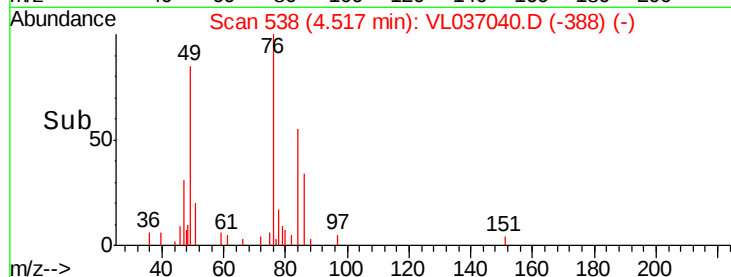
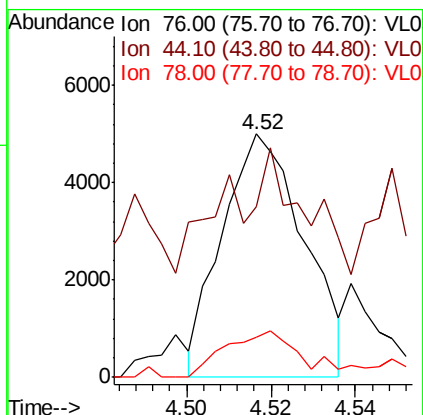
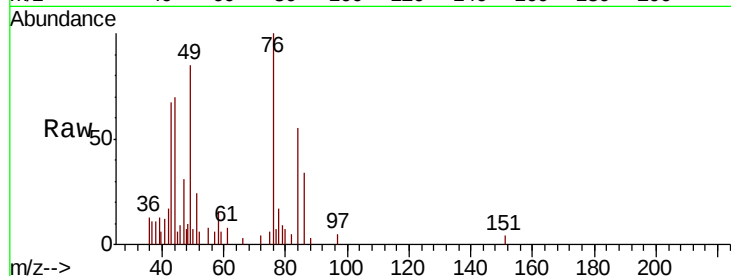
Tot Ion: 76 Resp: 6737

Ion Ratio Lower Upper

76 100

44 59.0 15.5 23.3#

78 24.5 7.8 11.6#



#29

Chloroform

Concen: 0.345 ppbv

RT: 5.72 min Scan# 912

Delta R.T. -0.02 min

Lab File: VL037040.D

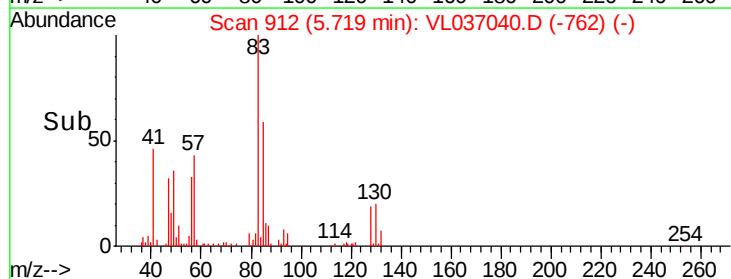
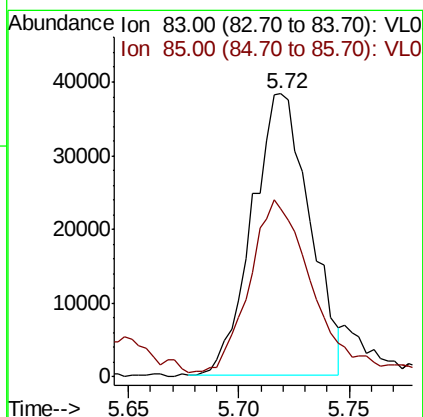
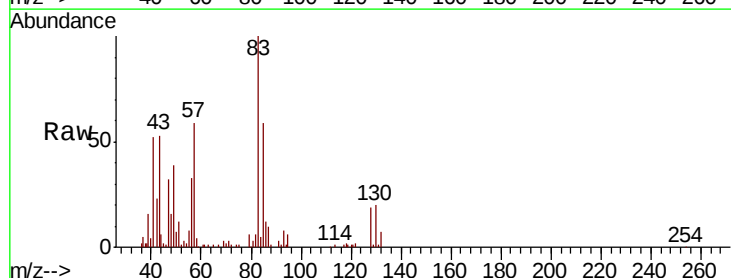
Acq: 21 May 2021 1:26

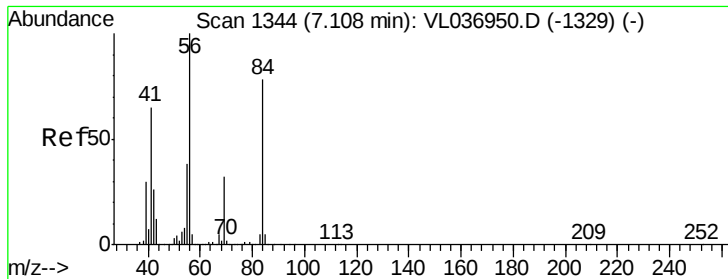
Tgt Ion: 83 Resp: 69354

Ion Ratio Lower Upper

83 100

85 57.8 51.1 76.7

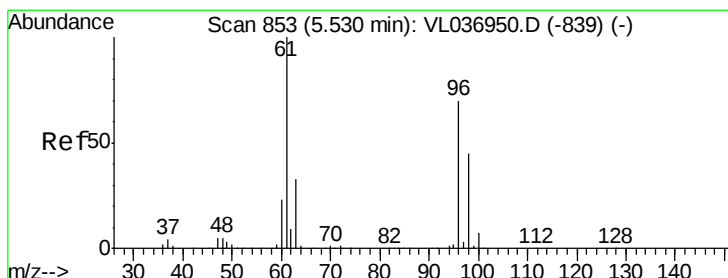
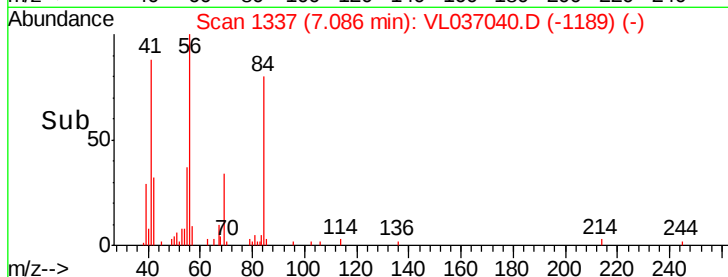
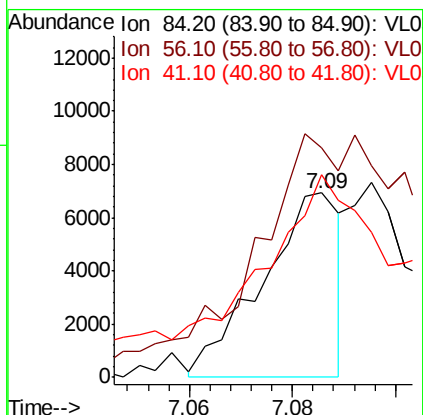
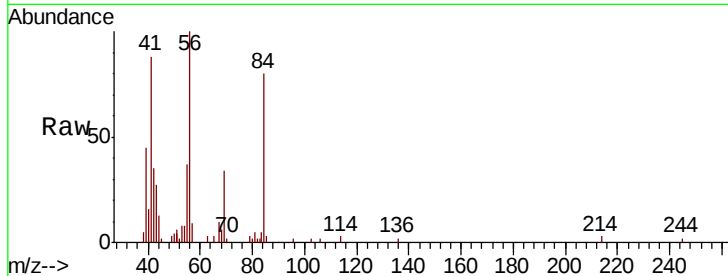




#30
Cvclohexane
Concen: 0.060 ppbv
RT: 7.09 min Scan# 1337
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

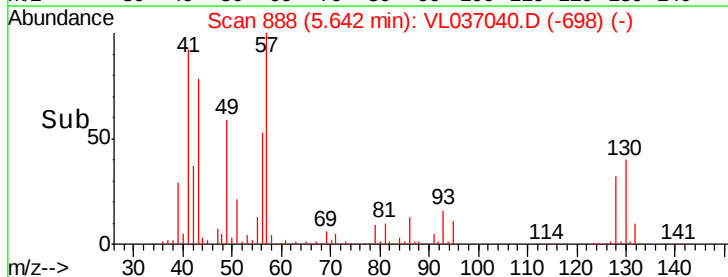
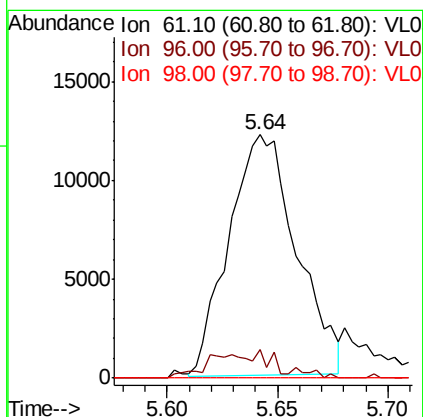
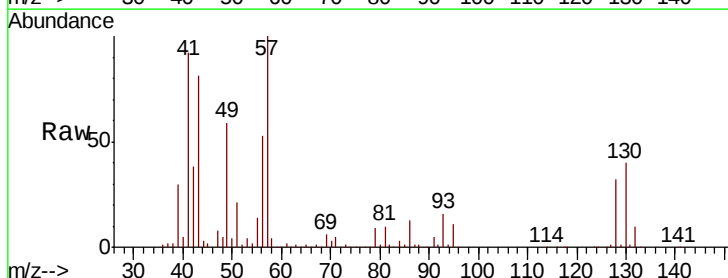
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

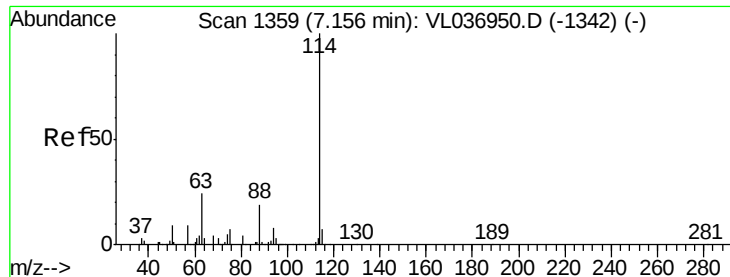
Tot Ion: 84 Resp: 7235
Ion Ratio Lower Upper
84 100
56 0.0 107.9 161.9#
41 253.1 65.5 98.3#



#31
cis-1,2-Dichloroethene
Concen: 0.204 ppbv
RT: 5.64 min Scan# 888
Delta R.T. 0.11 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 61 Resp: 25999
Ion Ratio Lower Upper
61 100
96 12.0 55.9 83.9#
98 0.0 35.6 53.4#

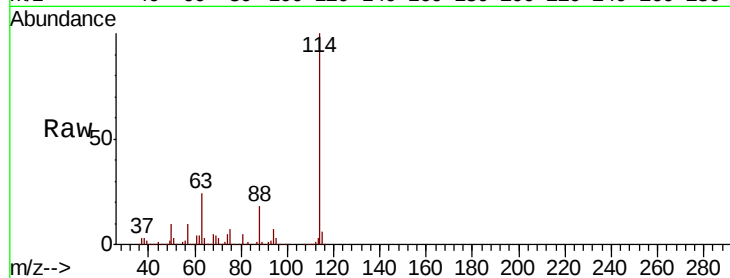




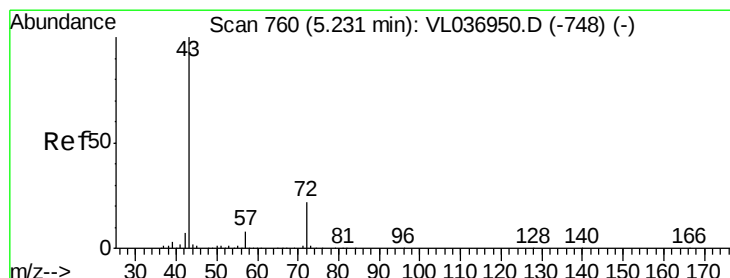
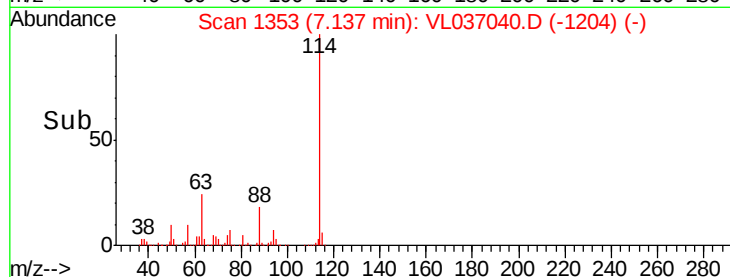
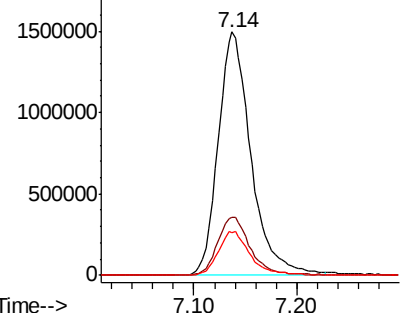
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037040.D
 Acq: 21 May 2021 1:26

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Tot Ion:114 Resp: 3307666
 Ion Ratio Lower Upper
 114 100
 63 24.3 19.6 29.4
 88 17.8 14.6 21.8

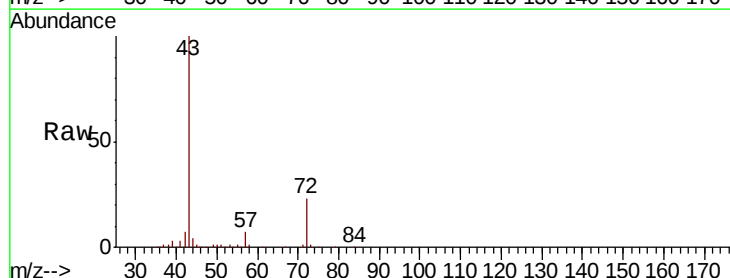


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

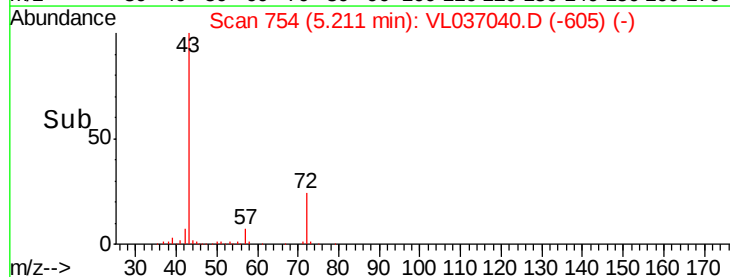
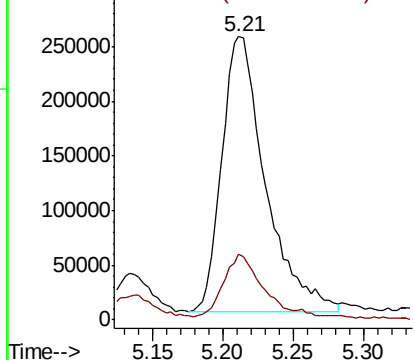


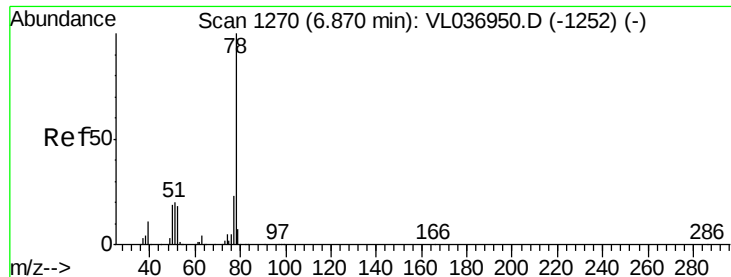
#34
 2-Butanone
 Concen: 4.532 ppbv
 RT: 5.21 min Scan# 754
 Delta R.T. -0.02 min
 Lab File: VL037040.D
 Acq: 21 May 2021 1:26

Tgt Ion: 43 Resp: 545796
 Ion Ratio Lower Upper
 43 100
 72 25.0 19.0 28.4



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

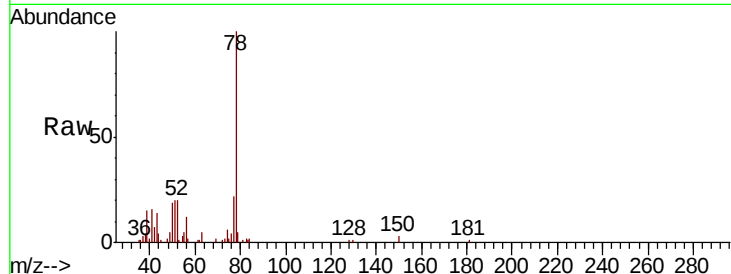




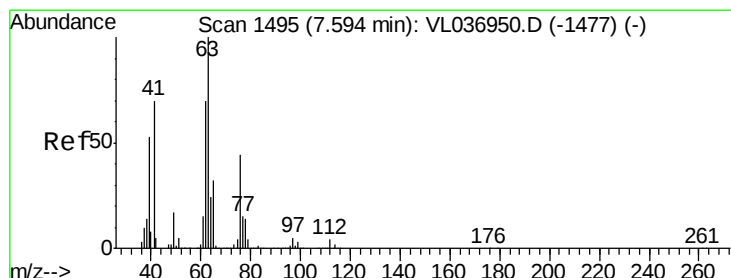
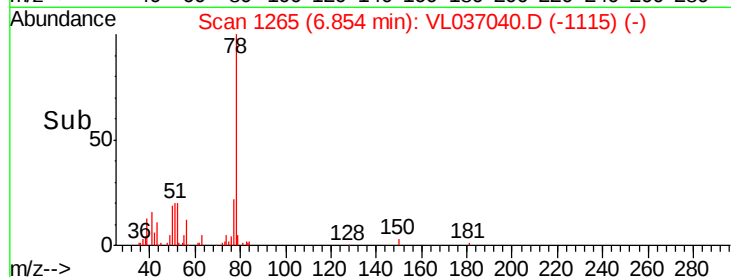
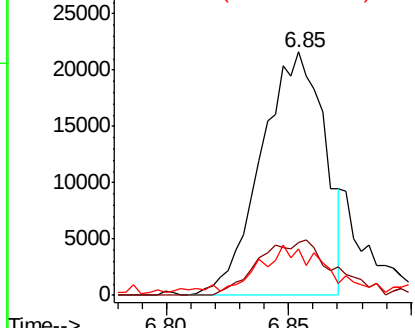
#36
Benzene
Concen: 0.136 ppbv
RT: 6.85 min Scan# 1265
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Tot Ion: 78 Resp: 38871
Ion Ratio Lower Upper
78 100
77 22.0 18.6 28.0
50 16.8 15.0 22.4

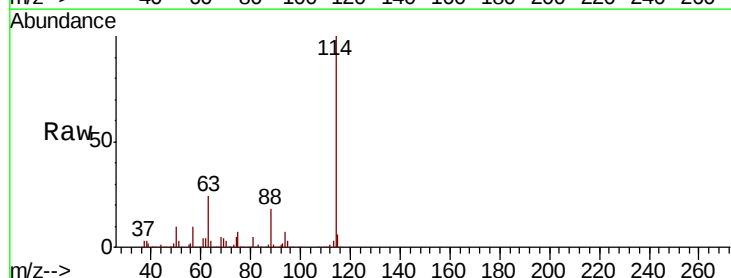


Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0

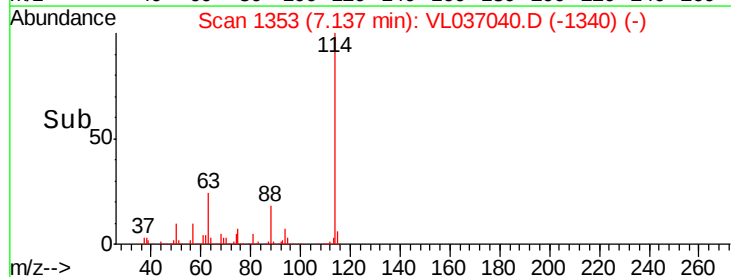
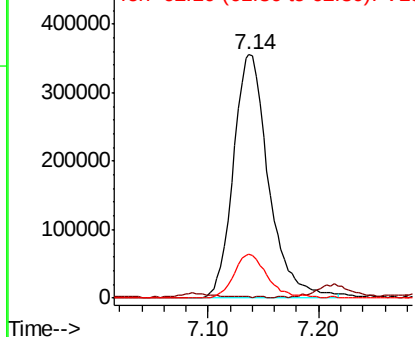


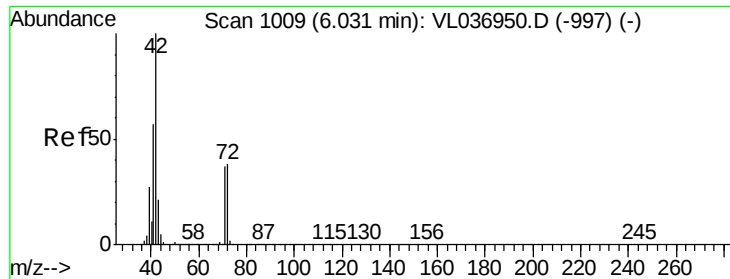
#39
1,2-Dichloropropane
Concen: 7.184 ppbv
RT: 7.14 min Scan# 1353
Delta R.T. -0.46 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 63 Resp: 788438
Ion Ratio Lower Upper
63 100
41 0.0 55.7 83.5#
62 18.2 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

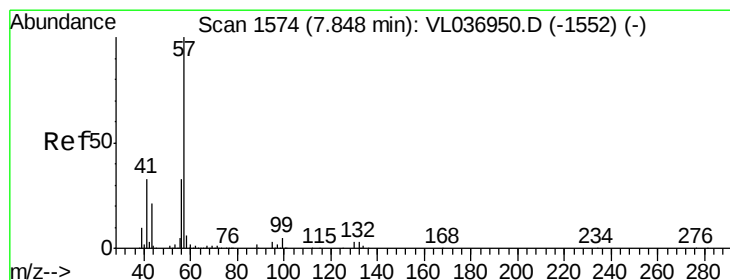
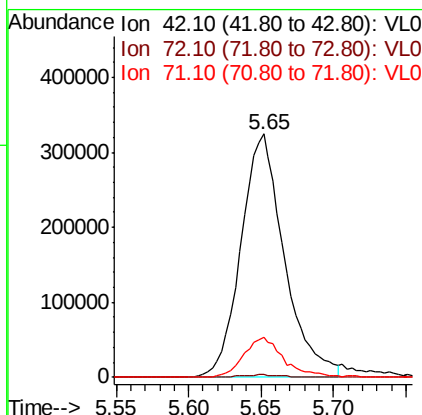
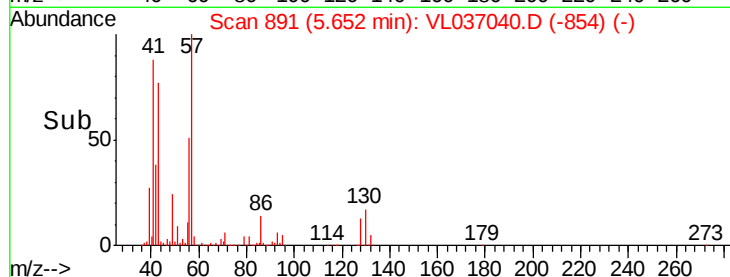
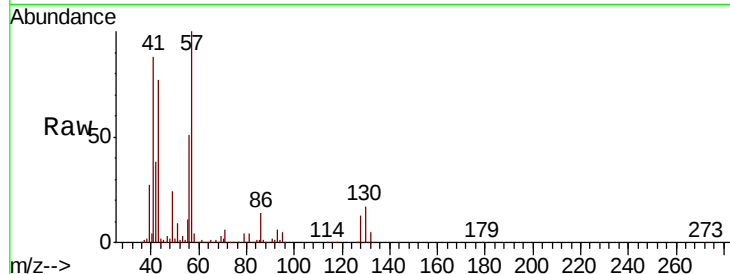




#41
Tetrahydrofuran
Concen: 9.791 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.38 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

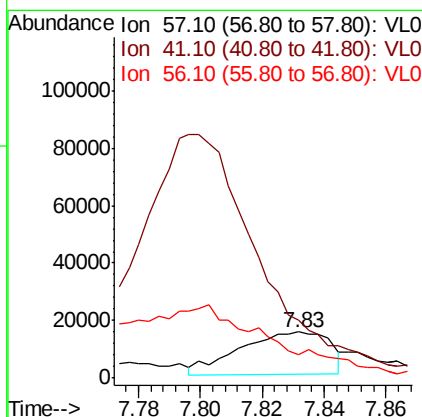
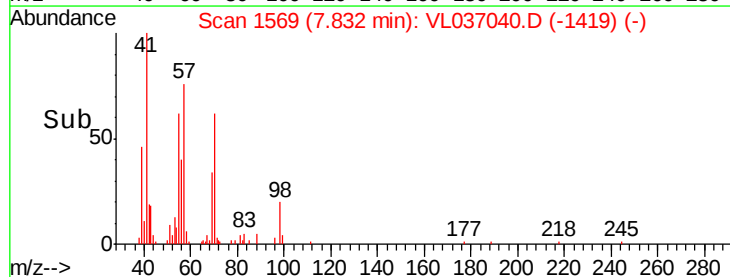
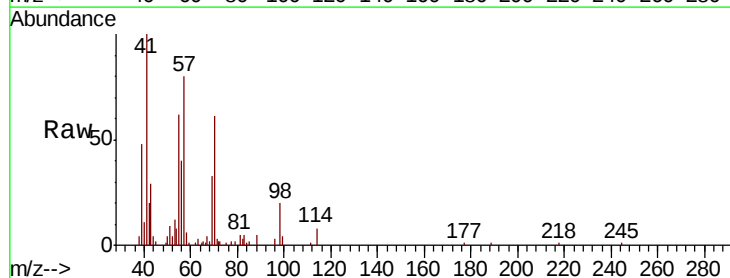
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

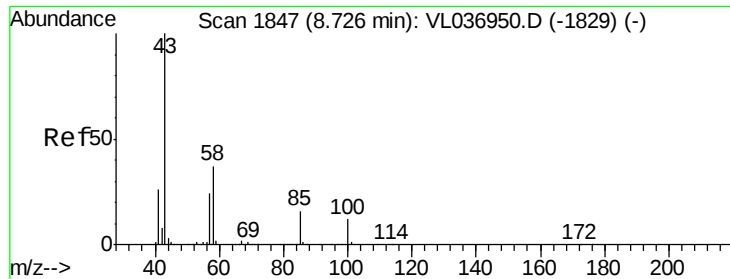
Tot Ion	Ratio	Lower	Upper
42	100		
72	1.0	31.4	47.2#
71	15.6	30.4	45.6#



#44
2,2,4-Trimethylpentane
Concen: 0.062 ppbv
RT: 7.83 min Scan# 1569
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion	Ratio	Lower	Upper
57	100		
41	0.0	27.0	40.4#
56	0.0	25.4	38.2#

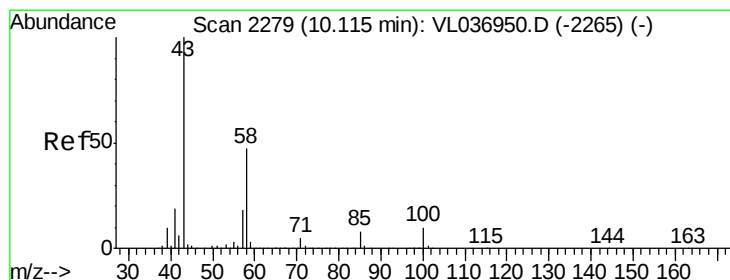
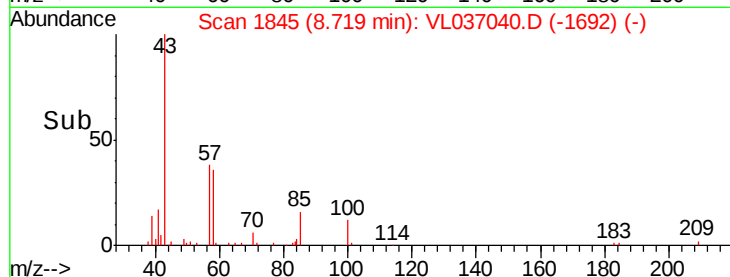
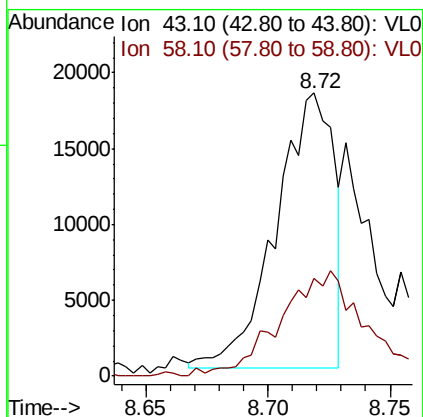
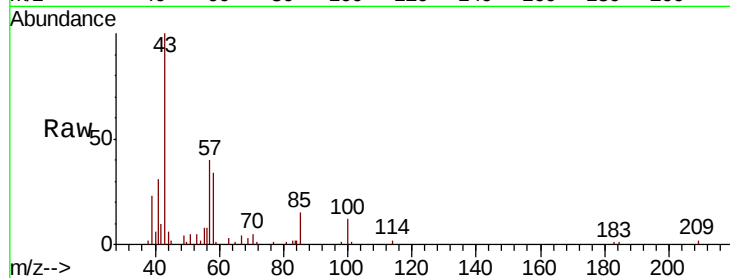




#50
4-Methyl-2-Pentanone
Concen: 0.151 ppbv
RT: 8.72 min Scan# 1845
Delta R.T. -0.01 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

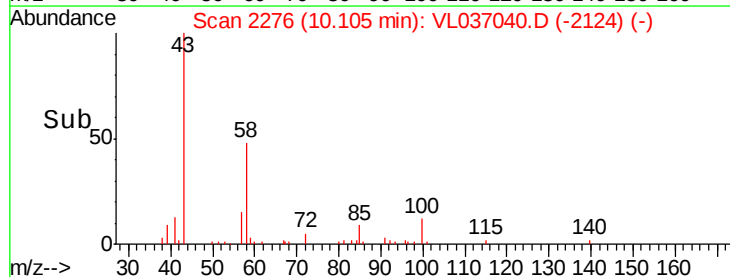
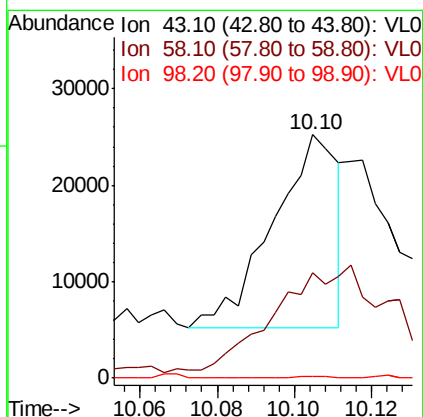
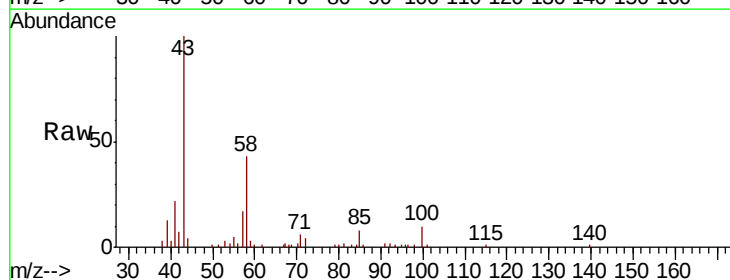
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

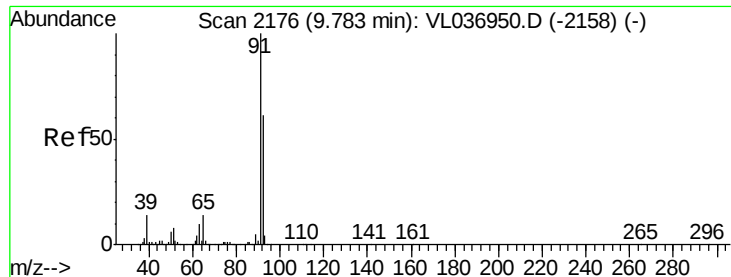
Tot Ion: 43 Resp: 29933
Ion Ratio Lower Upper
43 100
58 0.0 29.4 44.2#



#51
2-Hexanone
Concen: 0.224 ppbv
RT: 10.10 min Scan# 2276
Delta R.T. -0.01 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 43 Resp: 23557
Ion Ratio Lower Upper
43 100
58 0.0 41.1 61.7#
98 0.0 0.1 0.1#





#53

Toluene

Concen: 1.579 ppbv

RT: 9.76 min Scan# 2170

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

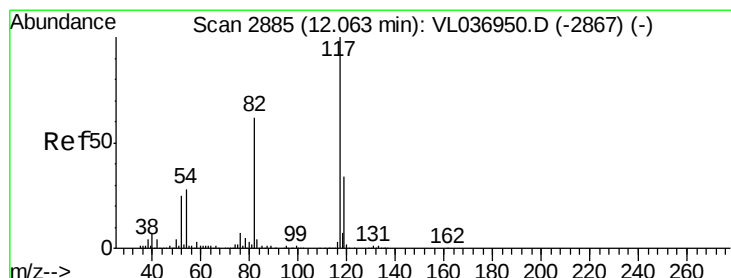
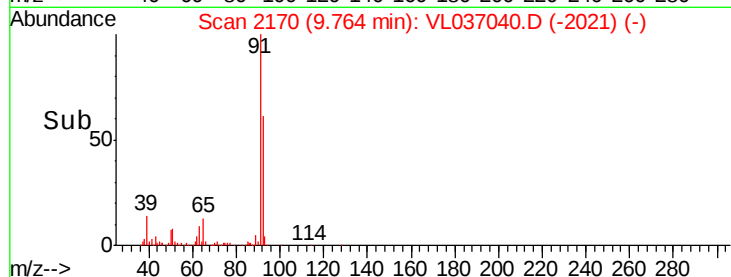
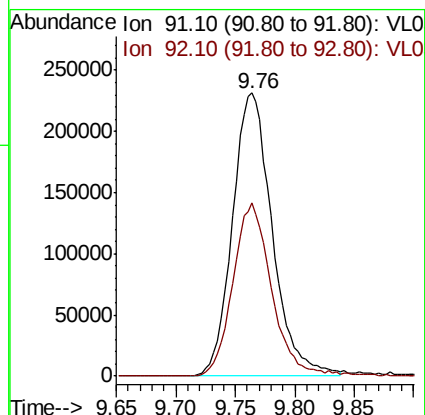
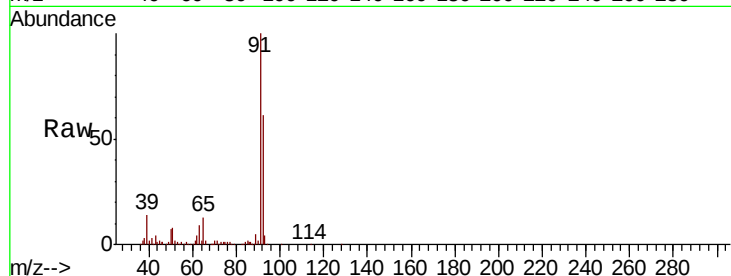
DUP-03-05132021

Tot Ion: 91 Resp: 535243

Ion Ratio Lower Upper

91 100

92 60.2 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.04 min Scan# 2879

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

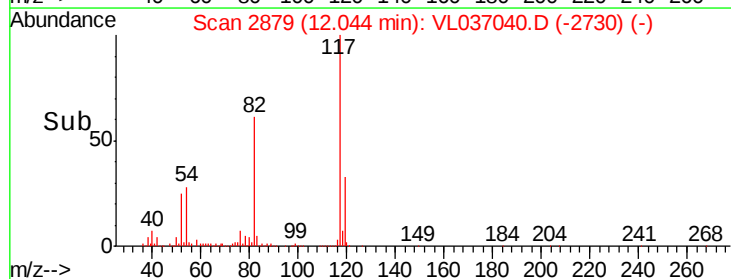
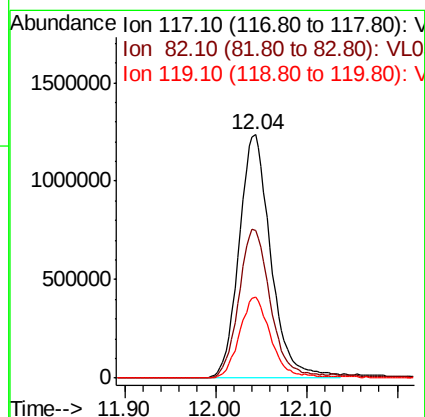
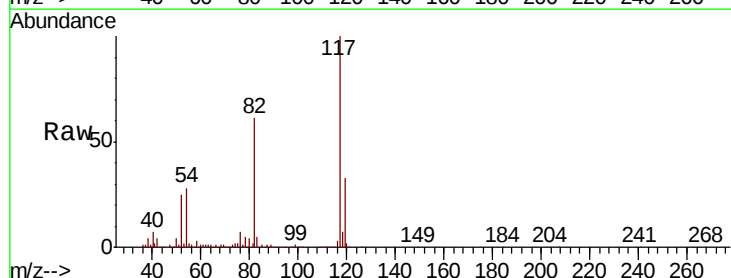
Tgt Ion: 117 Resp: 3005708

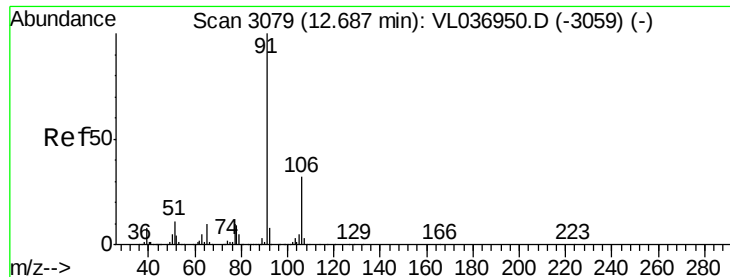
Ion Ratio Lower Upper

117 100

82 63.5 52.6 79.0

119 33.5 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.101 ppbv

RT: 12.67 min Scan# 3073

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

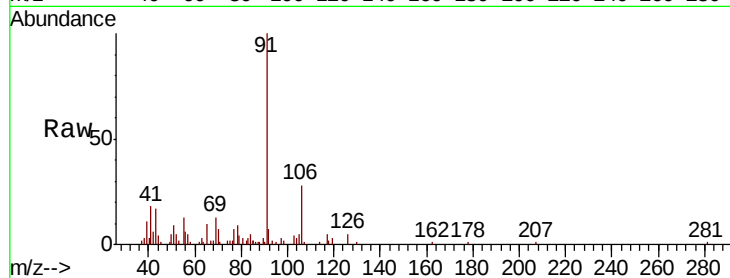
DUP-03-05132021

Tot Ion: 91 Resp: 42855

Ion Ratio Lower Upper

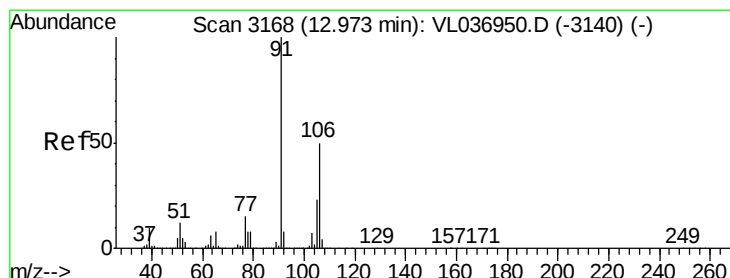
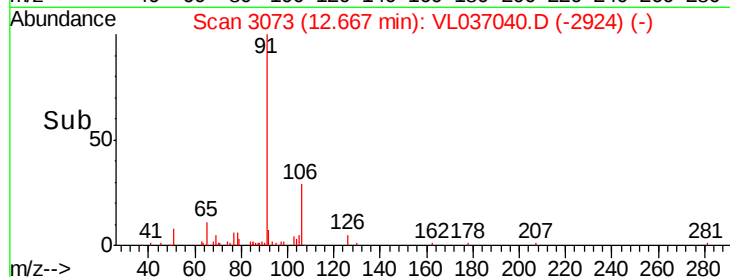
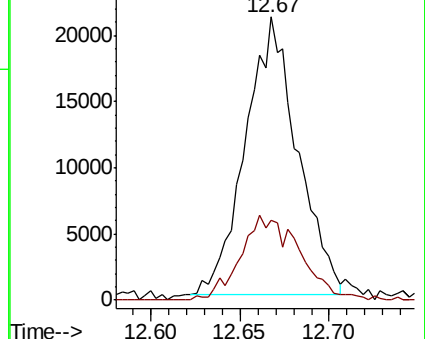
91 100

106 28.8 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 0.083 ppbv

RT: 12.95 min Scan# 3161

Delta R.T. -0.02 min

Lab File: VL037040.D

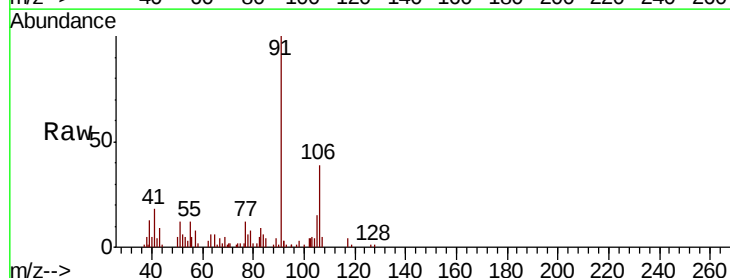
Acq: 21 May 2021 1:26

Tgt Ion: 91 Resp: 29126

Ion Ratio Lower Upper

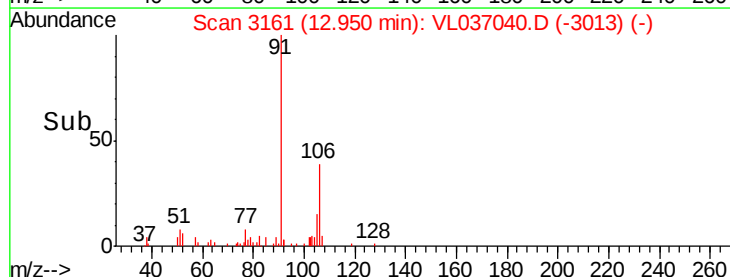
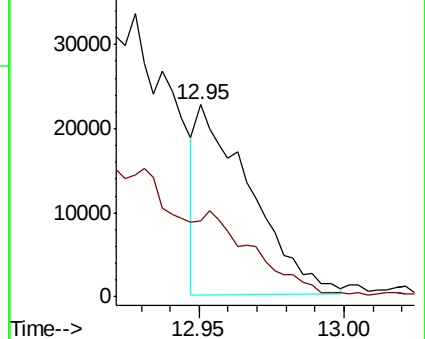
91 100

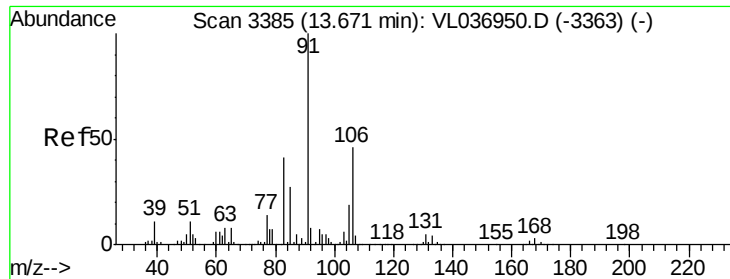
106 0.0 37.4 56.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

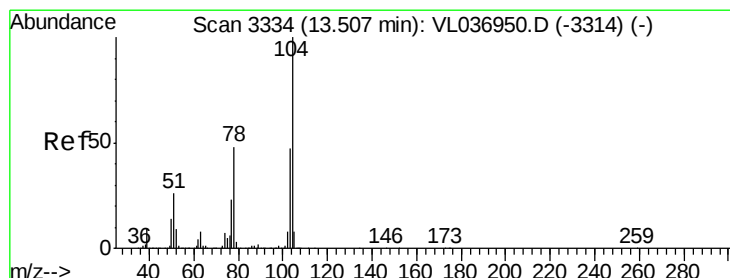
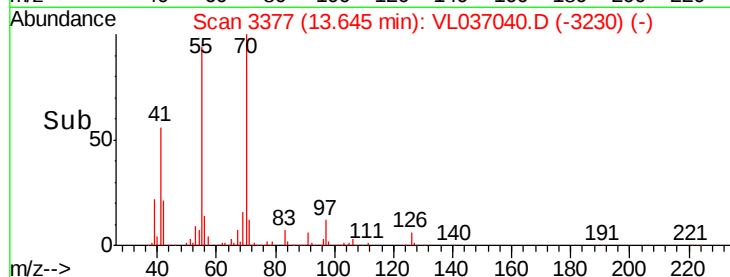
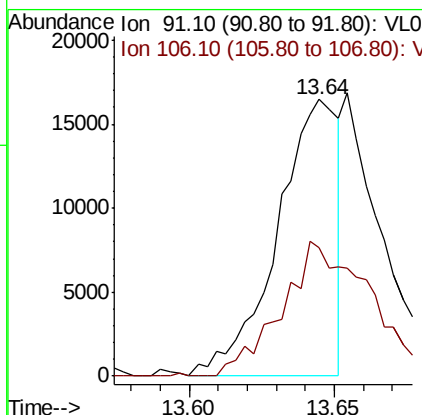
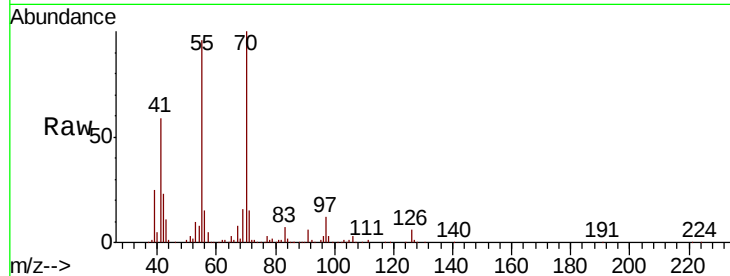




#60
o-Xylene
Concen: 0.072 ppbv
RT: 13.64 min Scan# 3377
Delta R.T. -0.03 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

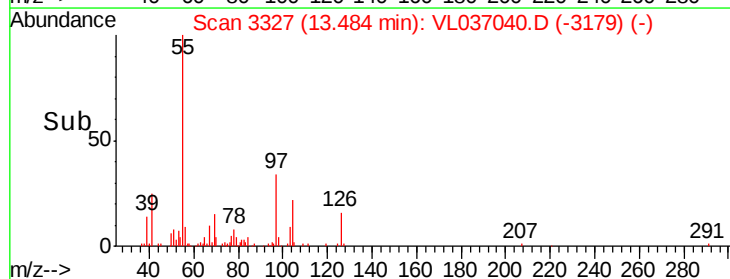
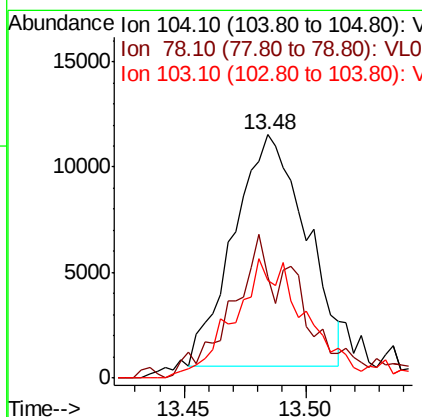
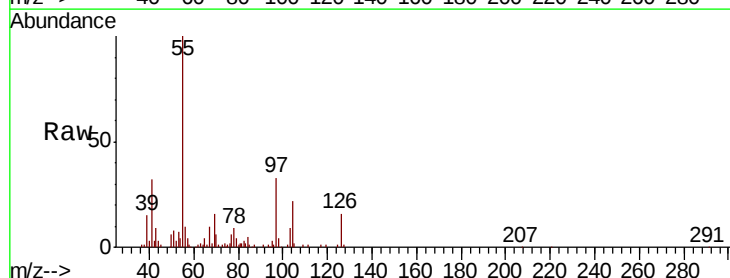
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

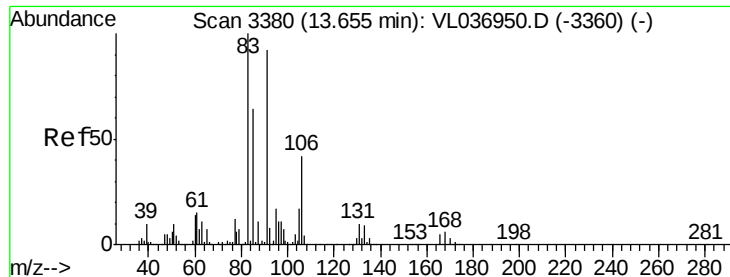
Tot Ion: 91 Resp: 24123
Ion Ratio Lower Upper
91 100
106 72.5 23.4 70.3#



#61
Styrene
Concen: 0.120 ppbv
RT: 13.48 min Scan# 3327
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 104 Resp: 22542
Ion Ratio Lower Upper
104 100
78 63.4 39.0 58.6#
103 51.9 38.0 57.0





#63

1,1,2,2-Tetrachloroethane

Concen: 0.052 ppbv

RT: 13.64 min Scan# 3375

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

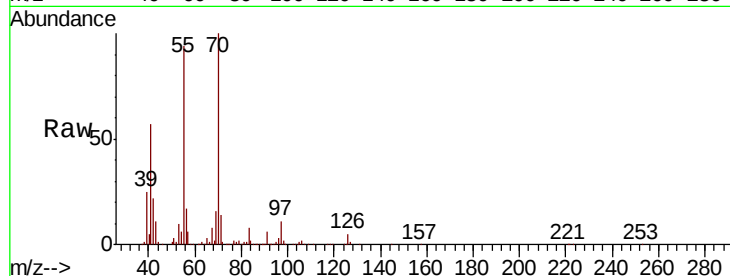
Tot Ion: 83 Resp: 12941

Ion Ratio Lower Upper

83 100

131 0.5 5.0 15.0#

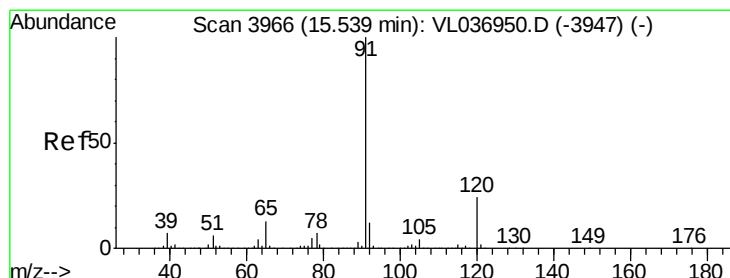
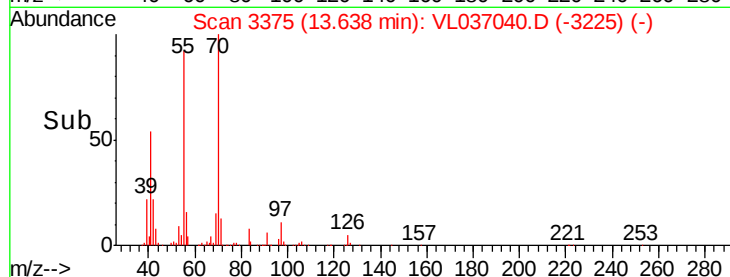
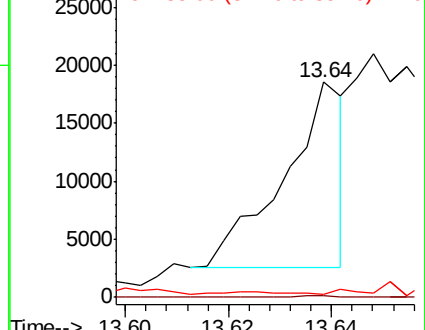
85 0.0 32.9 98.6#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.033 ppbv

RT: 15.52 min Scan# 3961

Delta R.T. -0.02 min

Lab File: VL037040.D

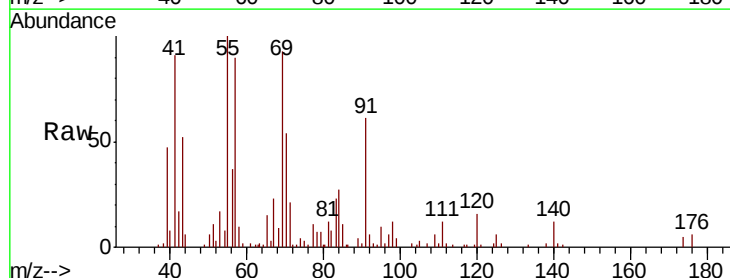
Acq: 21 May 2021 1:26

Tgt Ion: 120 Resp: 4127

Ion Ratio Lower Upper

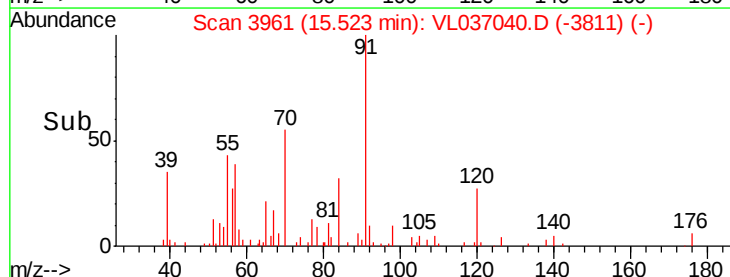
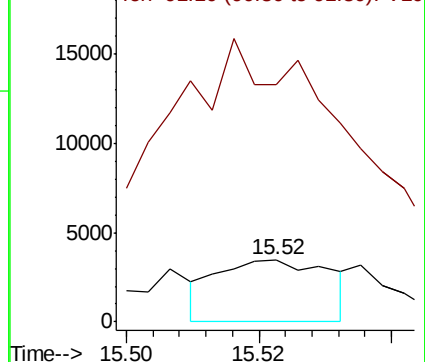
120 100

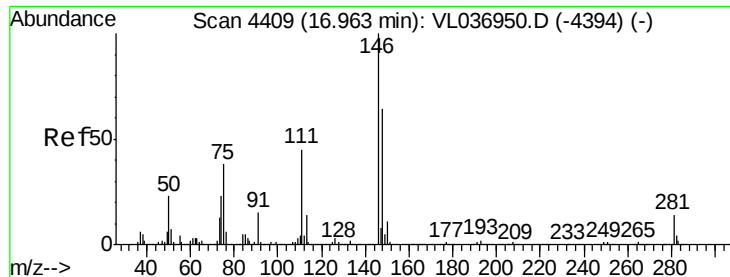
91 954.5 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

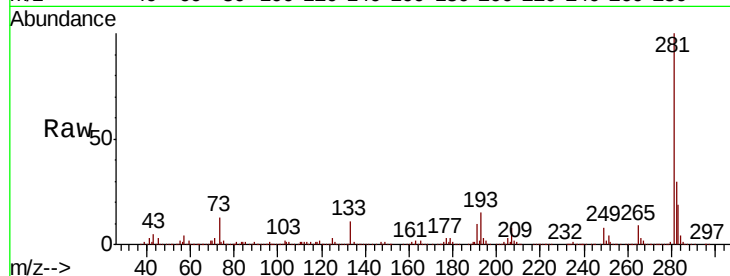




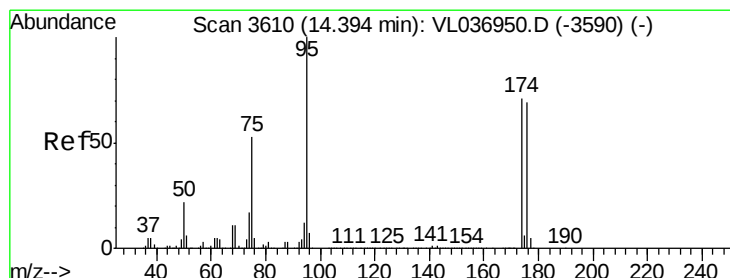
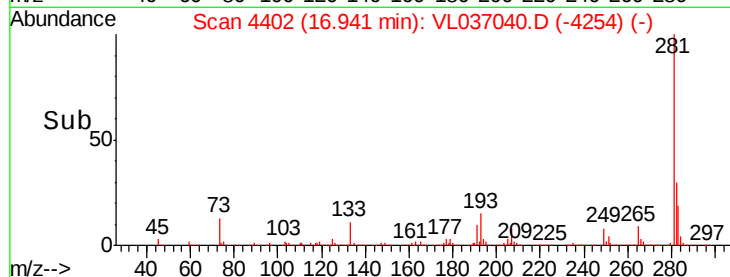
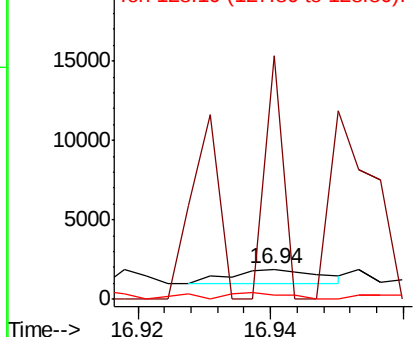
#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 16.94 min Scan# 4402
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021

Tot Ion: 91 Resp: 875
Ion Ratio Lower Upper
91 100
126 454.4 16.5 24.7#
128 0.0 5.5 8.3#

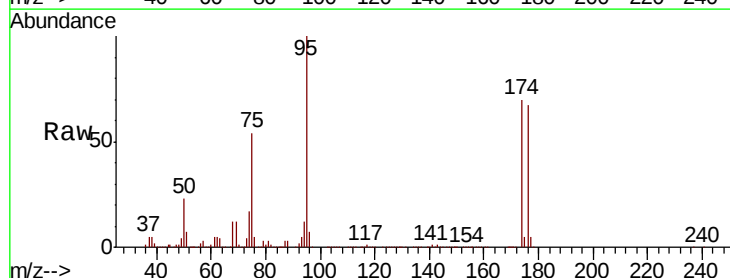


Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 126.10 (125.80 to 126.80): V
Ion 128.10 (127.80 to 128.80): V

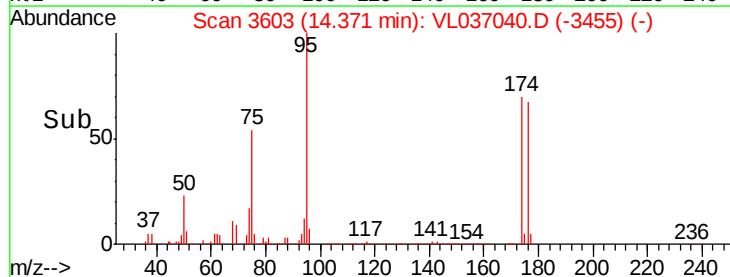
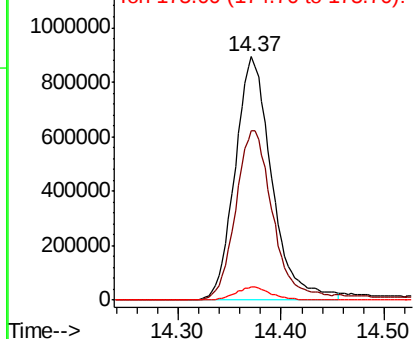


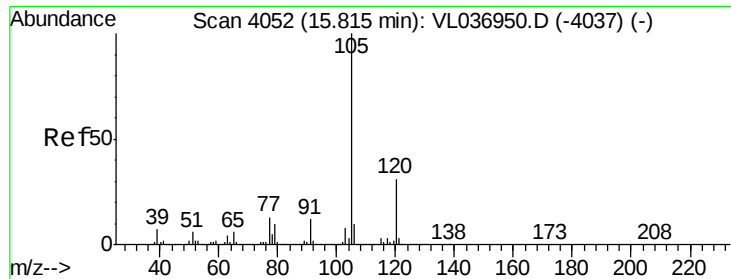
#68
1-Bromo-4-Fluorobenzene
Concen: 9.792 ppbv
RT: 14.37 min Scan# 3603
Delta R.T. -0.02 min
Lab File: VL037040.D
Acq: 21 May 2021 1:26

Tgt Ion: 95 Resp: 2211006
Ion Ratio Lower Upper
95 100
174 74.6 58.4 87.6
175 5.7 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





#72

4-Ethyltoluene

Concen: 0.122 ppbv

RT: 15.80 min Scan# 4047

Delta R.T. -0.02 min

Lab File: VL037040.D

Acq: 21 May 2021 1:26

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021

Tot Ion:105 Resp: 48355

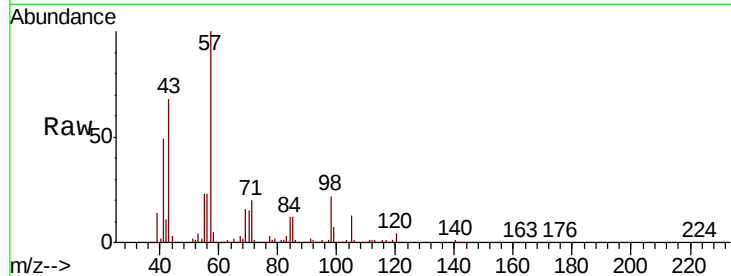
Ion Ratio Lower Upper

105 100

120 32.1 24.6 37.0

91 14.2 9.8 14.6

77 19.7 10.4 15.6#

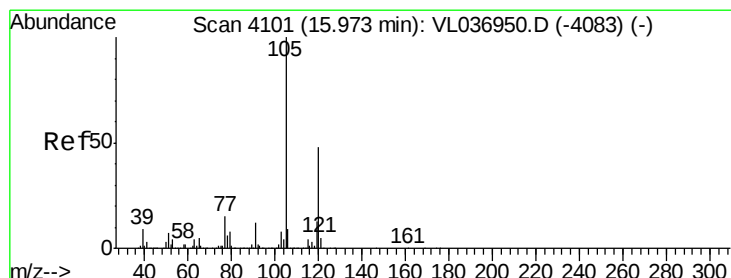
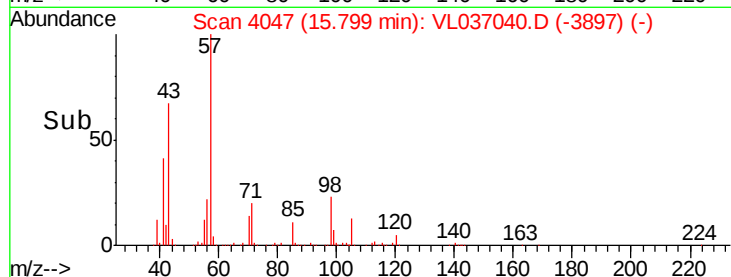
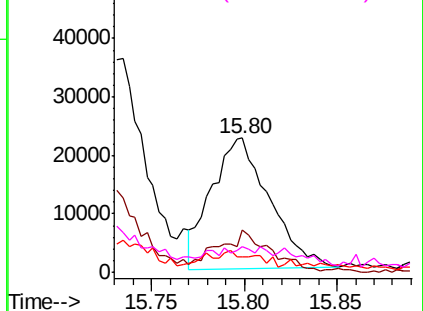


Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.097 ppbv

RT: 15.95 min Scan# 4095

Delta R.T. -0.02 min

Lab File: VL037040.D

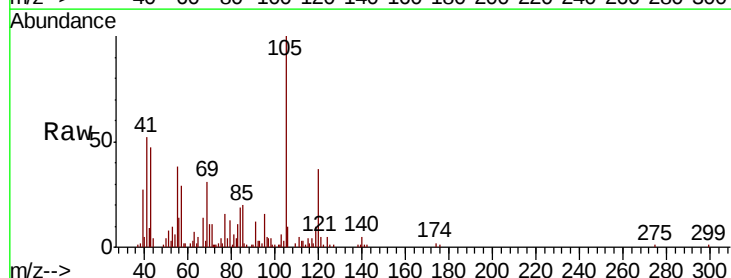
Acq: 21 May 2021 1:26

Tgt Ion:105 Resp: 36055

Ion Ratio Lower Upper

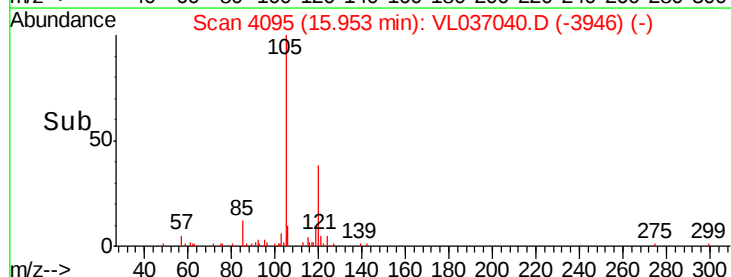
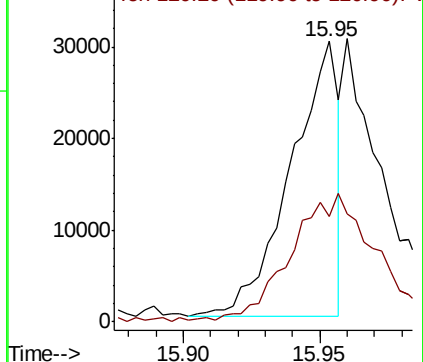
105 100

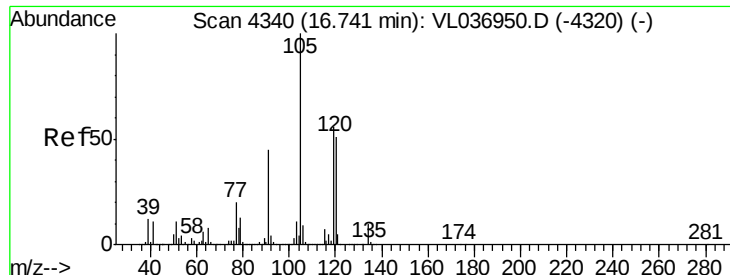
120 37.5 38.6 58.0#



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: 0.498 ppbv
 RT: 16.72 min Scan# 4334
 Delta R.T. -0.02 min
 Lab File: VL037040.D
 Acq: 21 May 2021 1:26

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021

Tot Ion:	105	Resp:	191832
Ion	Ratio	Lower	Upper
105	100		
120	41.6	40.6	61.0
91	10.0	37.4	56.0#
77	13.4	16.2	24.4#

