

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037511.D
 Acq On : 19 Aug 2021 23:10
 Operator : SY/AP
 Sample : M3480-07
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

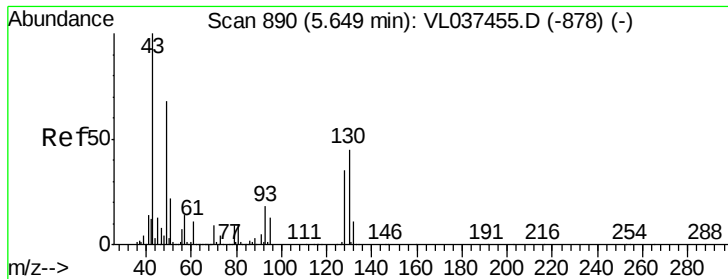
Quant Time: Aug 20 00:24:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1390614	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4092423	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3473855	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2410337	9.77	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.13	85	1180933	5.293	ppbv 97
3) Chlorodifluoromethane	3.13	51	146537	0.550	ppbv 97
4) Chloromethane	3.13	50	172741	1.815	ppbv # 49
7) Chloroethane	3.13	64	766927	23.049	ppbv 96
8) Dichlorotetrafluoroethane	3.13	85	1180933	5.127	ppbv # 13
9) Propene	3.02	41	137815	1.446	ppbv 91
10) Heptane	8.13	43	18816	0.086	ppbv # 33
11) Trichlorofluoromethane	3.96	101	35429	0.169	ppbv 92
12) 1,1,2-Trichlorotrifluoroet	4.49	101	4776	0.031	ppbv # 10
13) Ethanol	3.61	45	9727406	1049.207	ppbv 95
15) Acetone	3.85	43	4405735	31.130	ppbv 91
16) 1,3-Butadiene	3.31	39	45261	0.499	ppbv # 10
17) tert-Butyl alcohol	4.31	59	25170	0.195	ppbv # 72
19) Isopropyl Alcohol	3.98	45	4325400	53.347	ppbv 99
20) Methylene Chloride	4.35	84	487137	6.875	ppbv 91
21) Allyl Chloride	4.13	41	3284498	28.574	ppbv # 55
23) Vinyl Acetate	5.08	43	13329	0.064	ppbv # 6
25) Ethyl Acetate	5.68	43	891987	2.483	ppbv 99
26) Hexane	5.69	57	374915	2.134	ppbv 84
29) Chloroform	5.76	83	98493	0.396	ppbv 99
30) Cyclohexane	7.14	84	11003	0.075	ppbv # 1
34) 2-Butanone	5.25	43	199735	1.195	ppbv # 89
35) Carbon Tetrachloride	7.02	117	8924	0.037	ppbv # 74
36) Benzene	6.90	78	21092	0.061	ppbv # 85
38) Trichloroethene	7.84	130	8570	0.061	ppbv # 84
39) 1,2-Dichloropropane	7.18	63	950023	7.187	ppbv # 29
40) 1,4-Dioxane	7.84	88	1604	0.050	ppbv # 100
41) Tetrahydrofuran	6.06	42	4172	0.052	ppbv # 14
44) 2,2,4-Trimethylpentane	7.87	57	18280	0.032	ppbv # 1
50) 4-Methyl-2-Pentanone	8.76	43	21313	0.098	ppbv # 50
53) Toluene	9.81	91	102642	0.261	ppbv # 20
59) m/p-Xylene	13.00	91	15952	0.038	ppbv # 30
60) o-Xylene	13.69	91	18456	0.047	ppbv # 29
61) Styrene	13.53	104	8956	0.044	ppbv # 1
66) Benzyl Chloride	17.00	91	771	0.034	ppbv # 1
69) p-Isopropyltoluene	17.66	119	21980	0.039	ppbv # 1
74) 1,2,4-Trimethylbenzene	16.77	105	17264	0.038	ppbv # 51
79) Naphthalene	22.21	128	12244	0.040	ppbv 100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampleId :

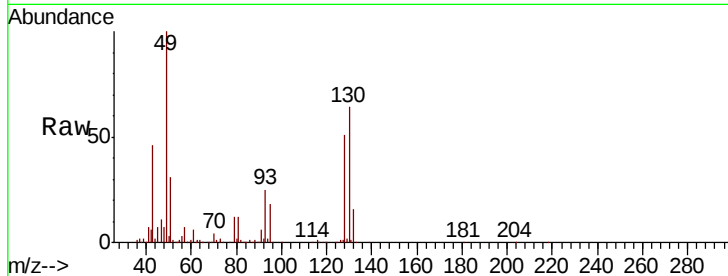
Tot Ion: 49 Resp: 1390614

Ion Ratio Lower Upper

49 100

128 53.7 27.5 82.4

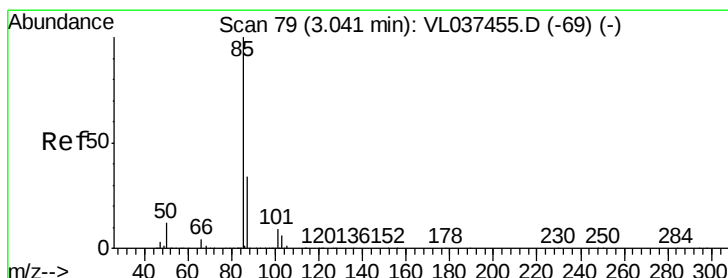
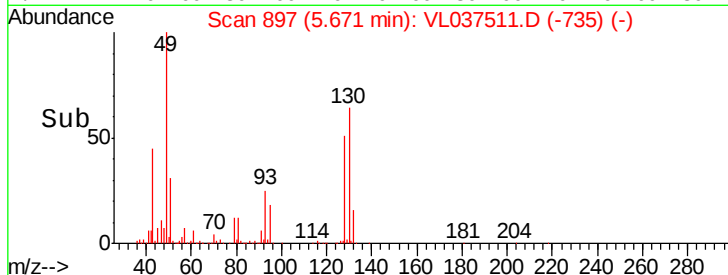
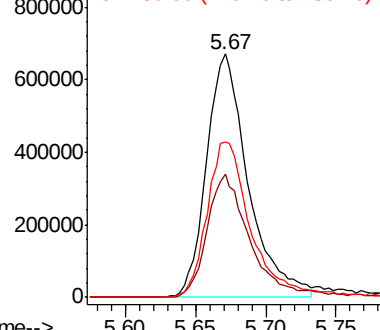
130 68.4 34.0 101.8



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: 5.293 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.09 min

Lab File: VL037511.D

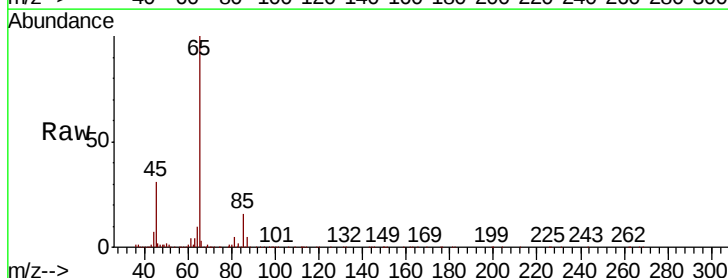
Acq: 19 Aug 2021 23:10

Tgt Ion: 85 Resp: 1180933

Ion Ratio Lower Upper

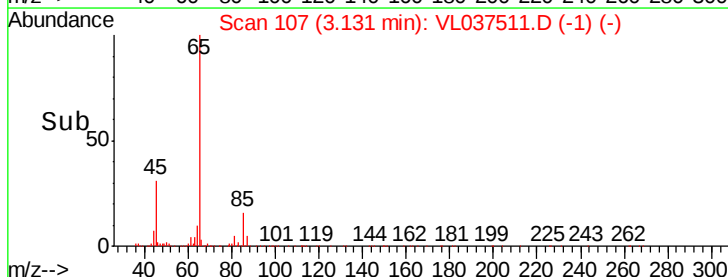
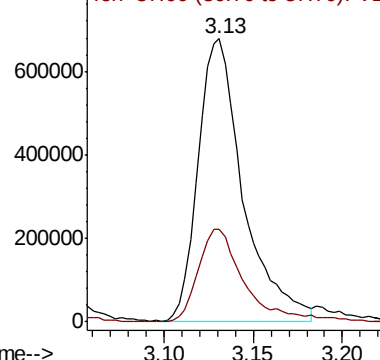
85 100

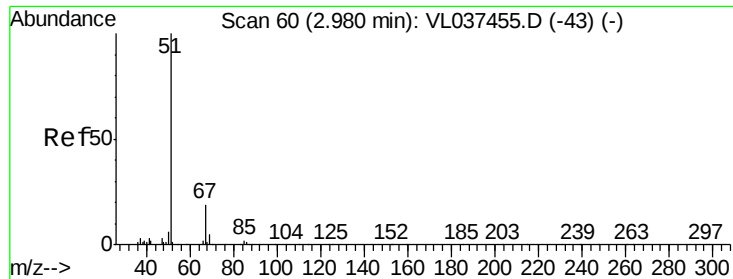
87 32.6 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

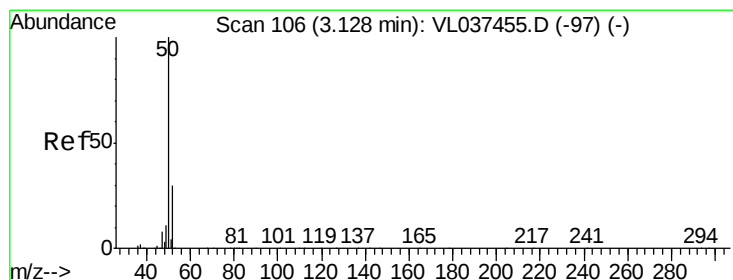
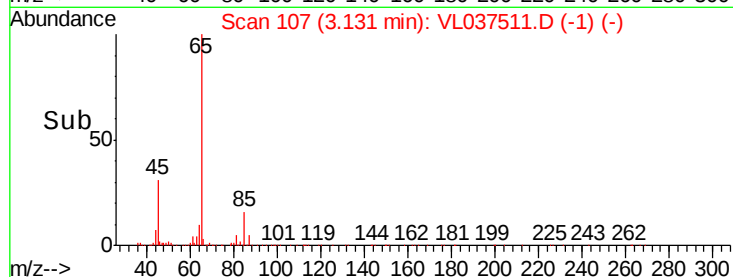
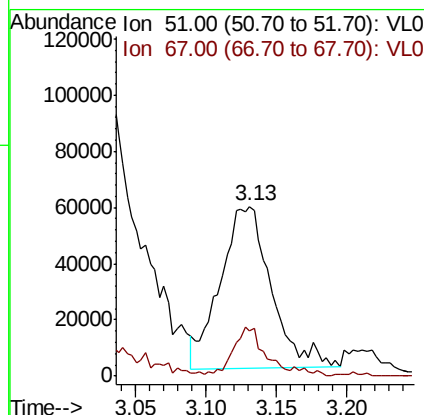
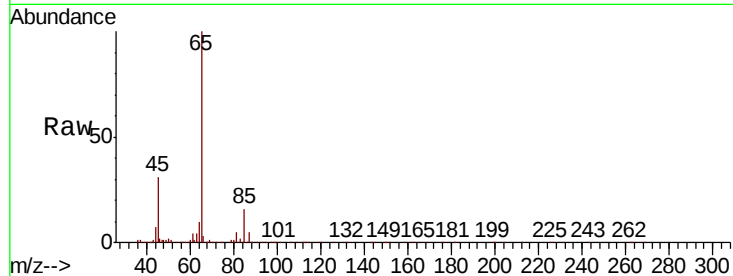




#3
Chlorodifluoromethane
Concen: 0.550 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.15 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

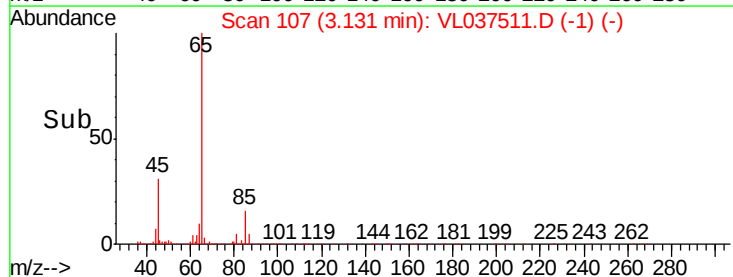
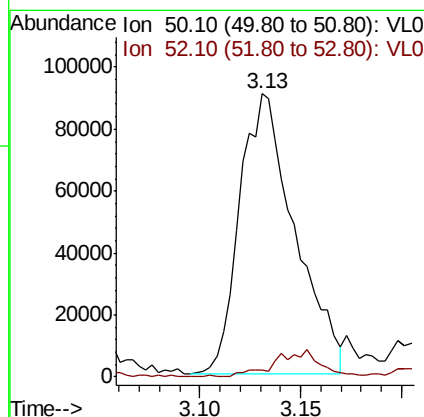
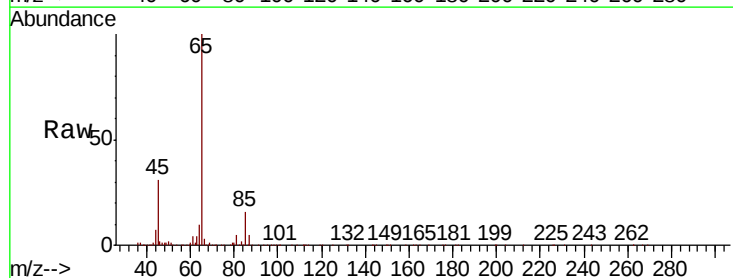
Instrument :
MSVOA_L
ClientSampleId :

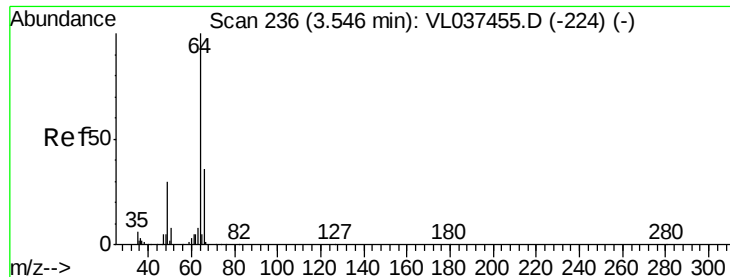
Tot Ion: 51 Resp: 146537
Ion Ratio Lower Upper
51 100
67 19.2 14.2 21.2



#4
Chloromethane
Concen: 1.815 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 50 Resp: 172741
Ion Ratio Lower Upper
50 100
52 2.3 24.0 36.0#





#7

Chloroethane

Concen: 23.049 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.42 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

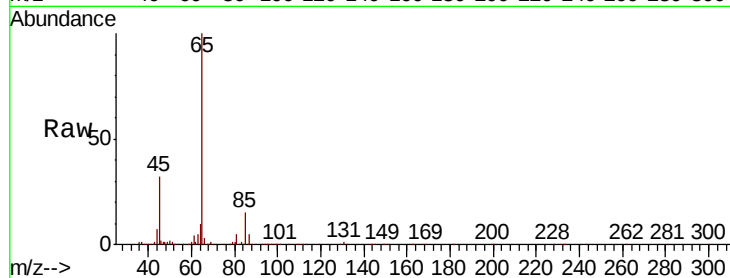
ClientSampleId :

Tot Ion: 64 Resp: 766927

Ion Ratio Lower Upper

64 100

66 33.6 28.6 43.0



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.13

400000

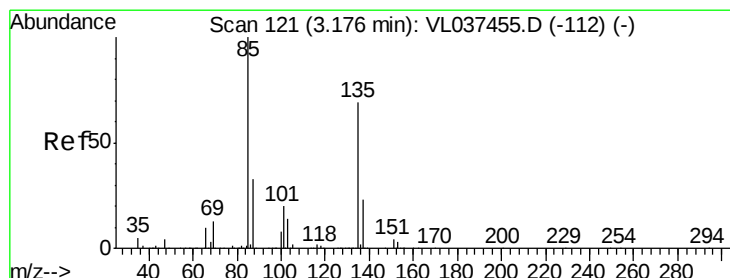
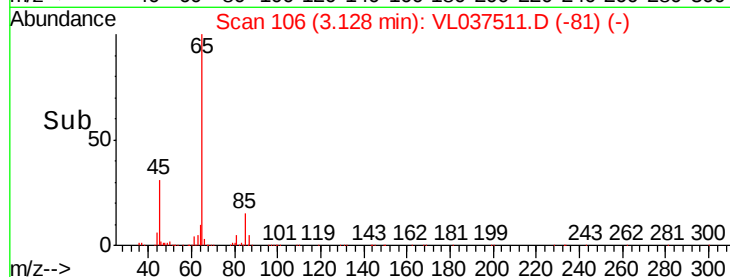
300000

200000

100000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 5.127 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.05 min

Lab File: VL037511.D

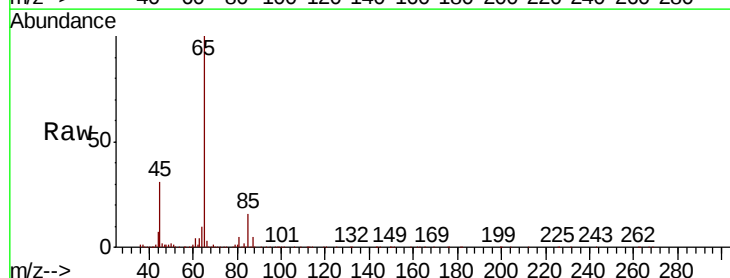
Acq: 19 Aug 2021 23:10

Tgt Ion: 85 Resp: 1180933

Ion Ratio Lower Upper

85 100

135 0.2 58.8 88.2#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

800000

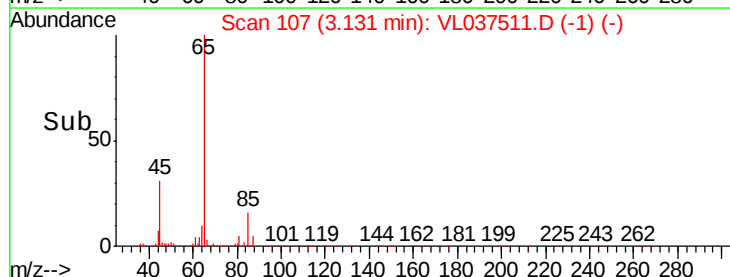
600000

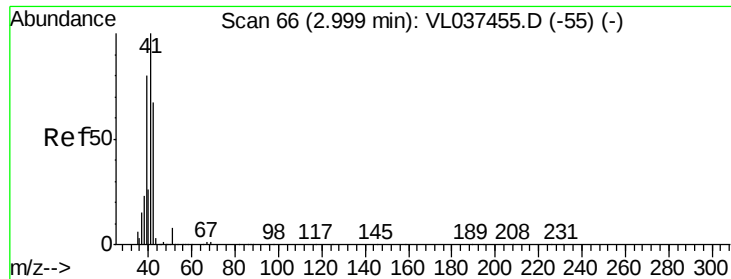
400000

200000

0

Time-->





#9

Propene

Concen: 1.446 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

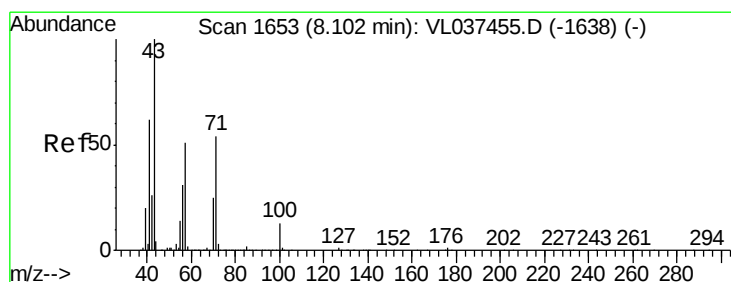
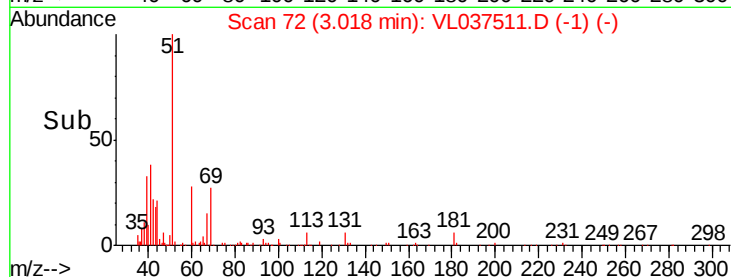
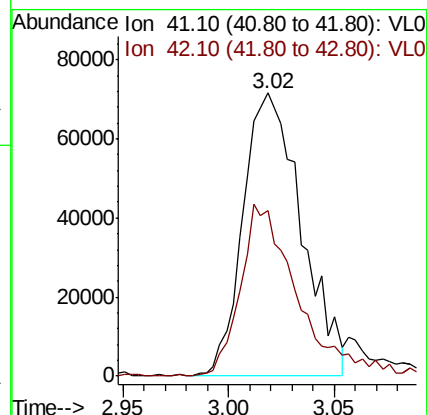
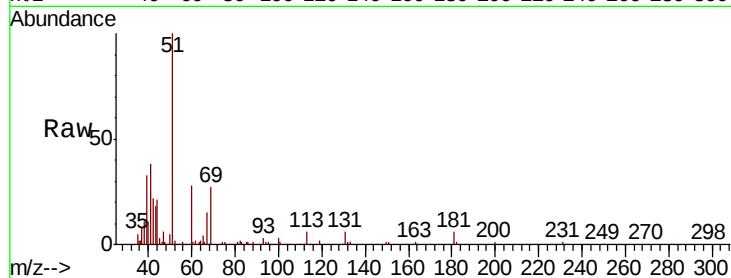
ClientSampleId :

Tot Ion: 41 Resp: 137815

Ion Ratio Lower Upper

41 100

42 59.6 53.7 80.5



#10

Heptane

Concen: 0.086 ppbv

RT: 8.13 min Scan# 1662

Delta R.T. 0.03 min

Lab File: VL037511.D

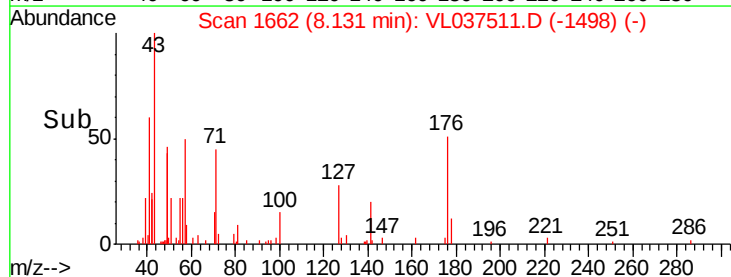
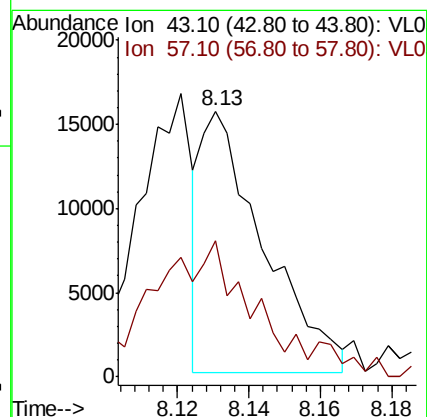
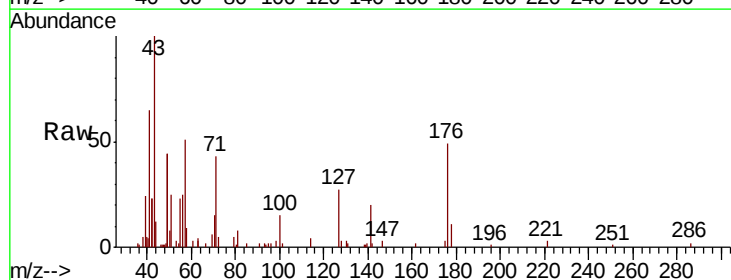
Acq: 19 Aug 2021 23:10

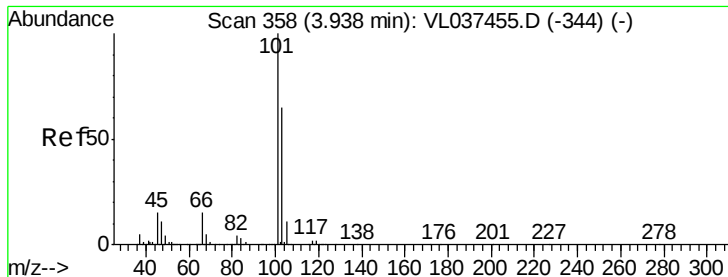
Tgt Ion: 43 Resp: 18816

Ion Ratio Lower Upper

43 100

57 98.1 41.0 61.6#

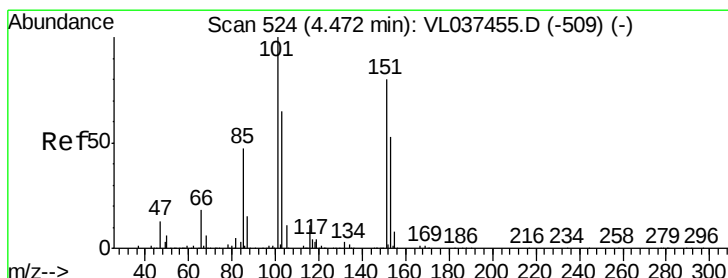
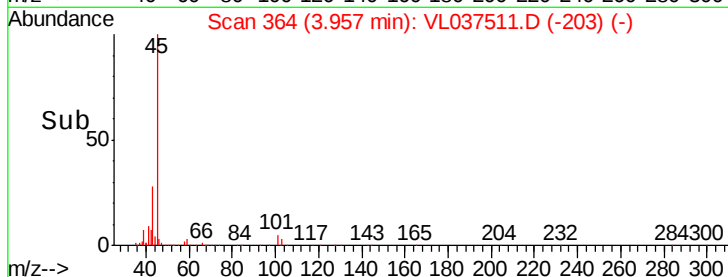
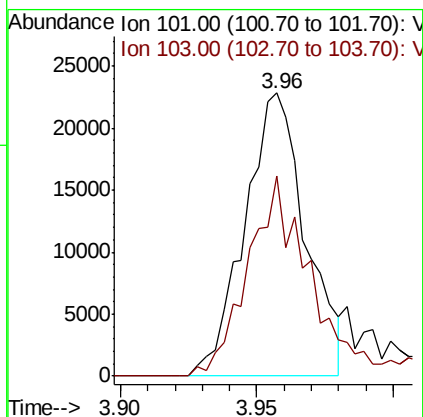
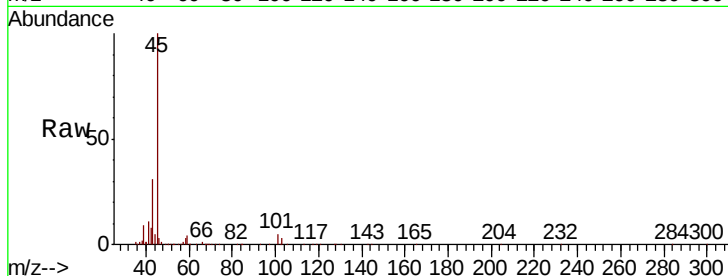




#11
 Trichlorofluoromethane
 Concen: 0.169 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.02 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

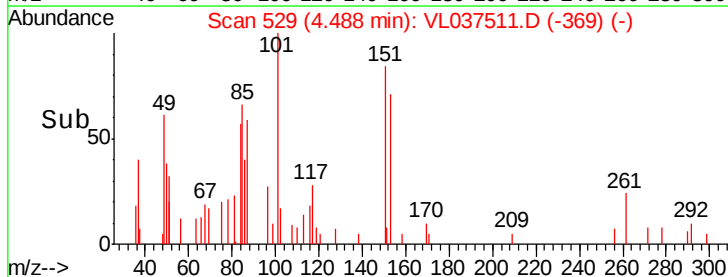
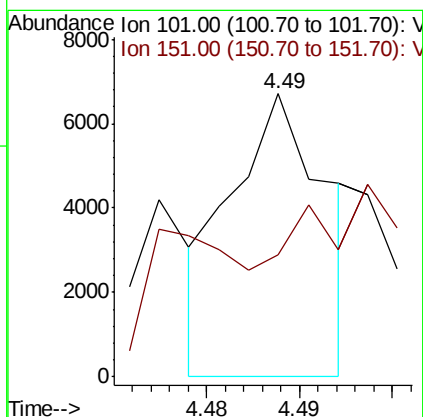
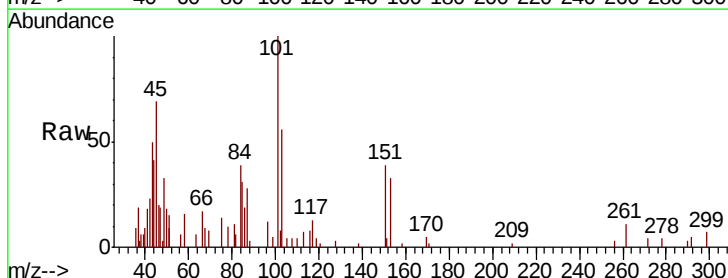
Instrument :
 MSVOA_L
 ClientSampled :

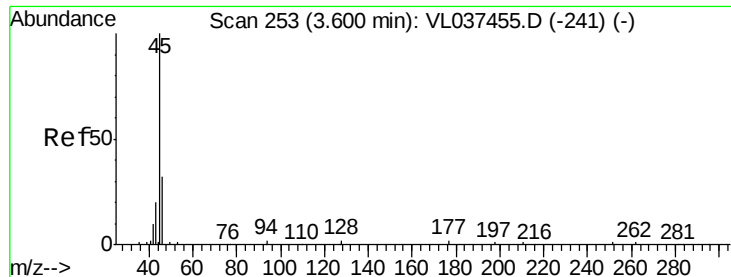
Tot Ion:101 Resp: 35429
 Ion Ratio Lower Upper
 101 100
 103 70.7 51.8 77.6



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.031 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Tgt Ion:101 Resp: 4776
 Ion Ratio Lower Upper
 101 100
 151 0.0 63.7 95.5#

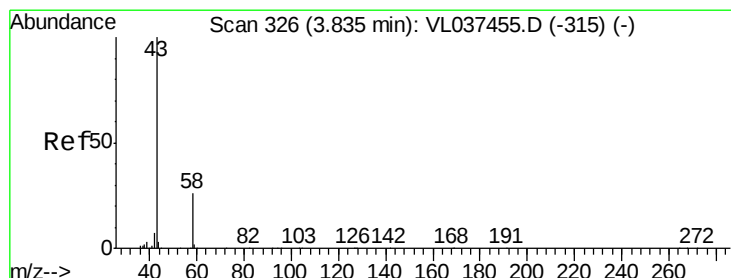
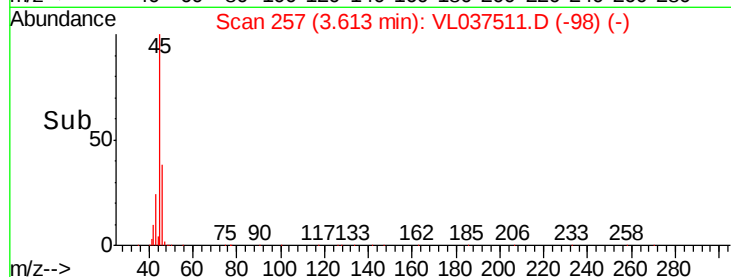
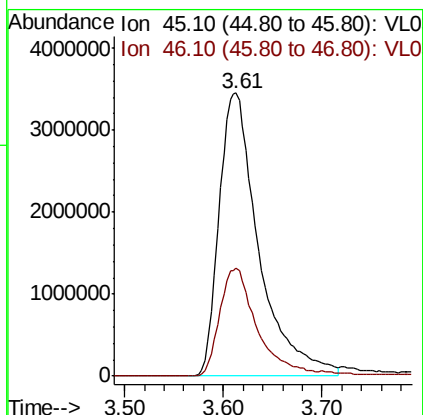
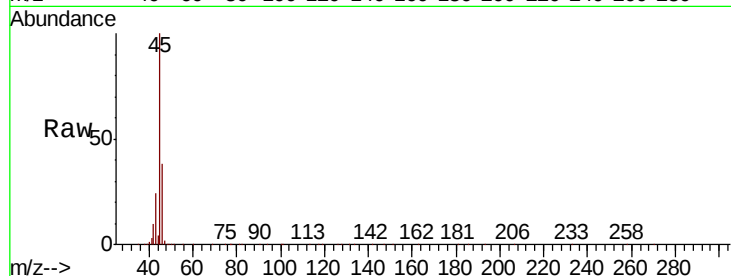




#13
Ethanol
Concen: 1049.207 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

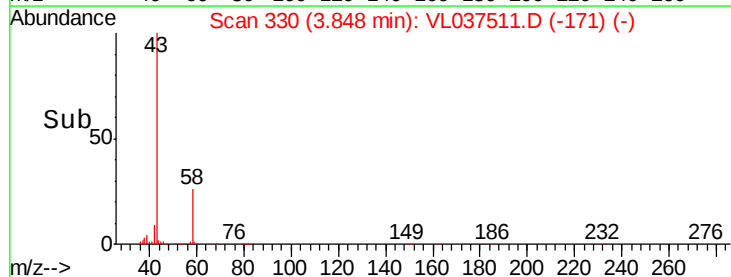
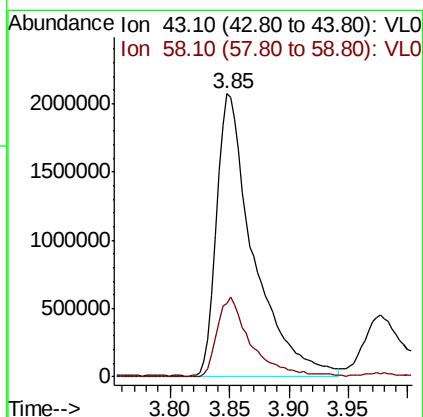
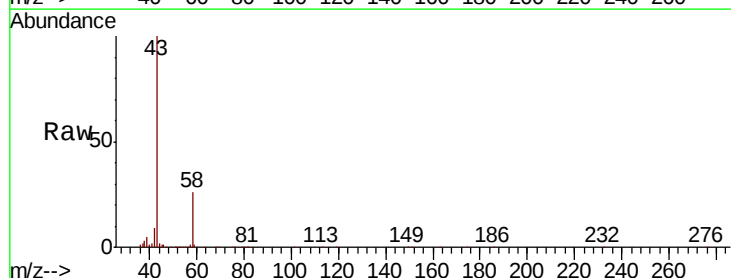
Instrument :
MSVOA_L
ClientSampleId :

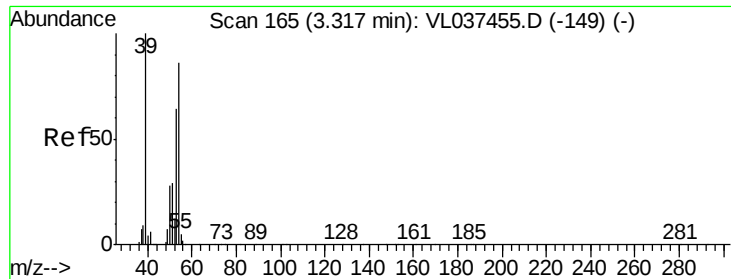
Tot Ion: 45 Resp: 9727406
Ion Ratio Lower Upper
45 100
46 38.2 14.1 56.5



#15
Acetone
Concen: 31.130 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 43 Resp: 4405735
Ion Ratio Lower Upper
43 100
58 26.3 24.8 37.2





#16

1,3-Butadiene

Concen: 0.499 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

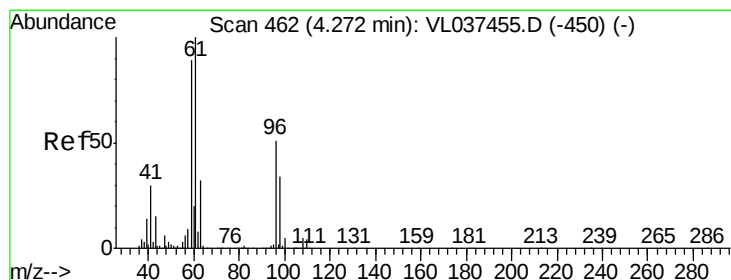
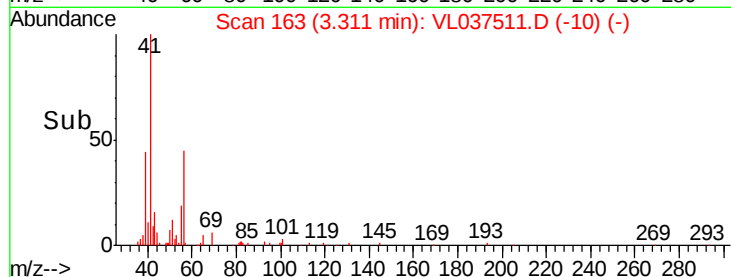
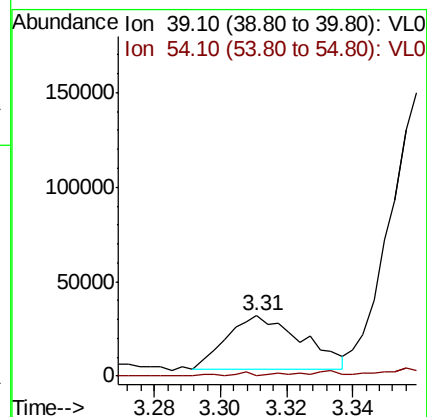
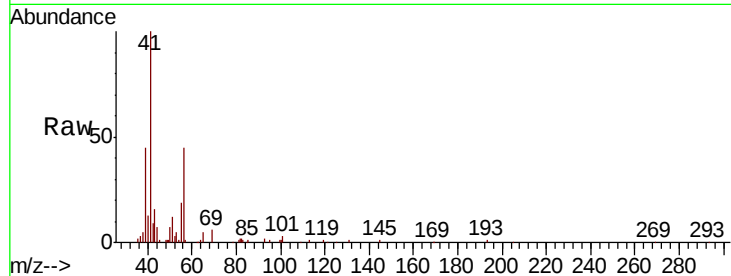
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 39 Resp: 45261

Ion Ratio Lower Upper

39 100

54 0.0 63.7 95.5#



#17

tert-Butyl alcohol

Concen: 0.195 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.04 min

Lab File: VL037511.D

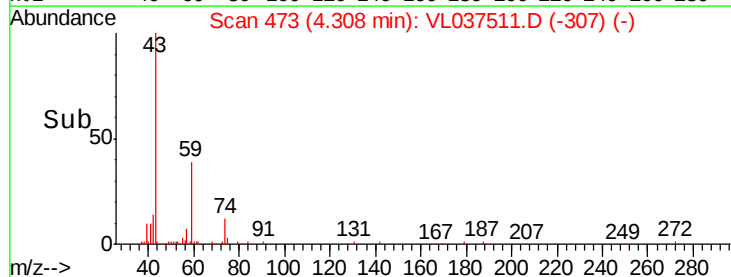
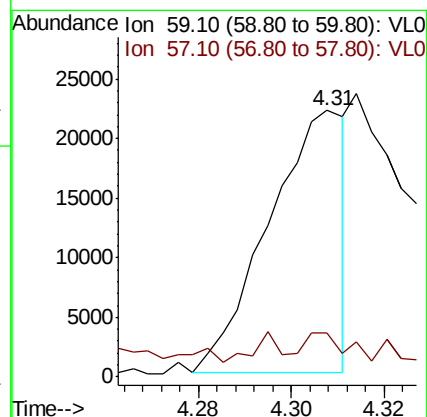
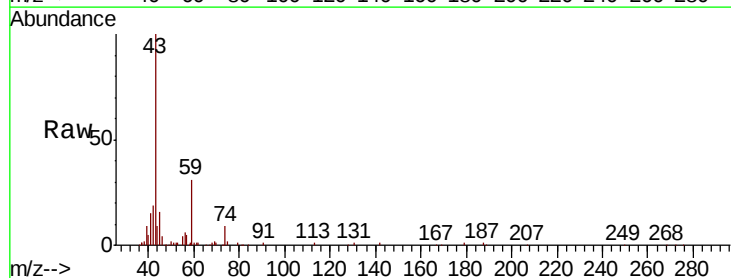
Acq: 19 Aug 2021 23:10

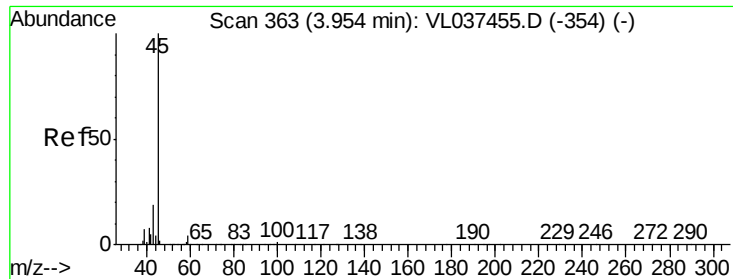
Tgt Ion: 59 Resp: 25170

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#

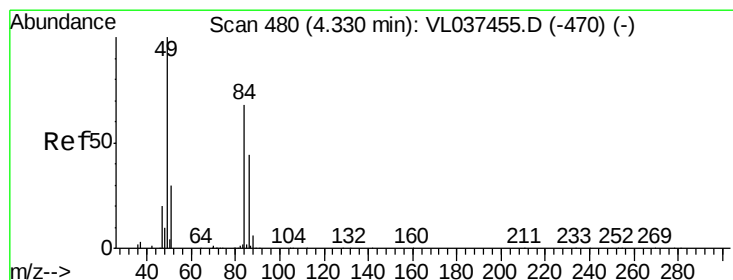
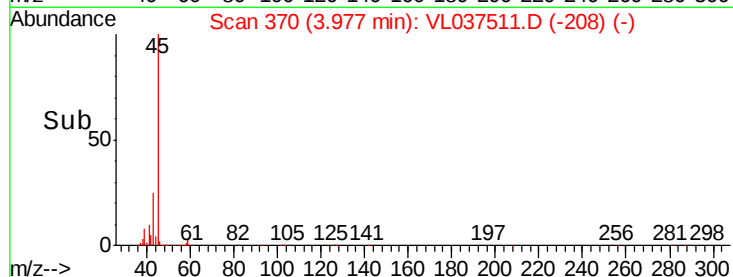
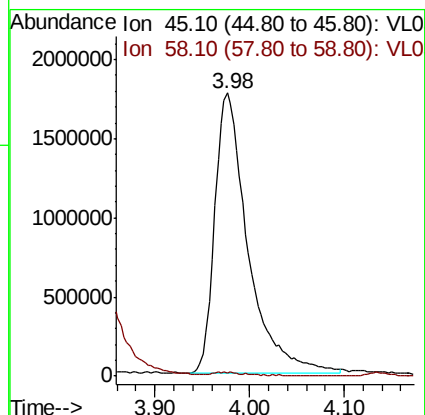
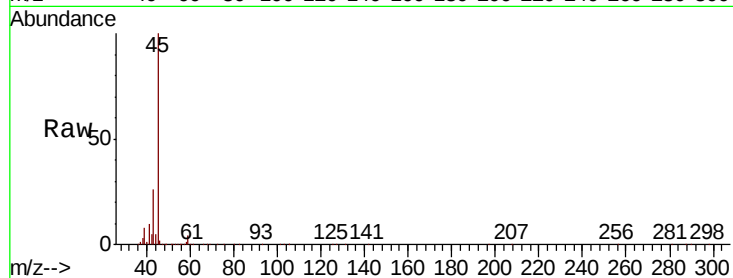




#19
Isopropyl Alcohol
Concen: 53.347 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

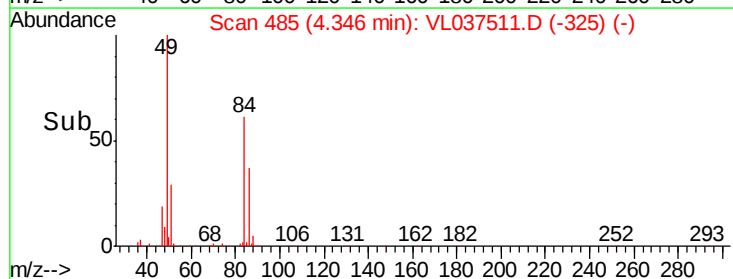
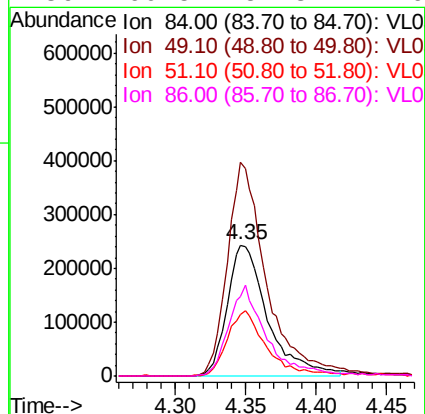
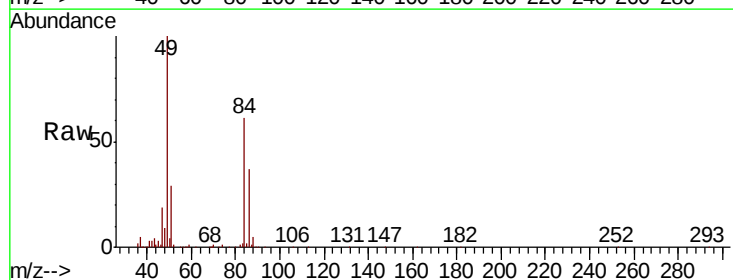
Instrument :
MSVOA_L
ClientSampleId :

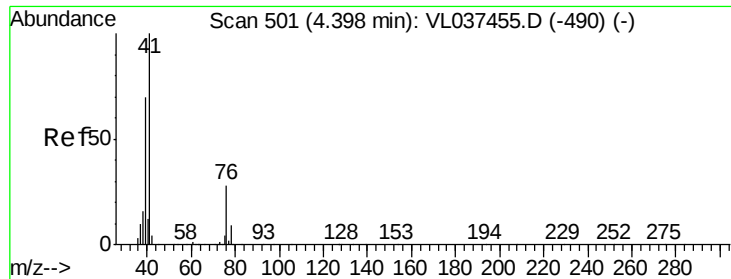
Tot Ion: 45 Resp: 4325400
Ion Ratio Lower Upper
45 100
58 1.6 1.4 2.2



#20
Methylene Chloride
Concen: 6.875 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 84 Resp: 487137
Ion Ratio Lower Upper
84 100
49 163.5 118.2 177.2
51 47.1 36.6 55.0
86 60.5 51.8 77.6





#21

Allvl Chloride

Concen: 28.574 ppbv

RT: 4.13 min Scan# 419

Delta R.T. -0.26 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampleId :

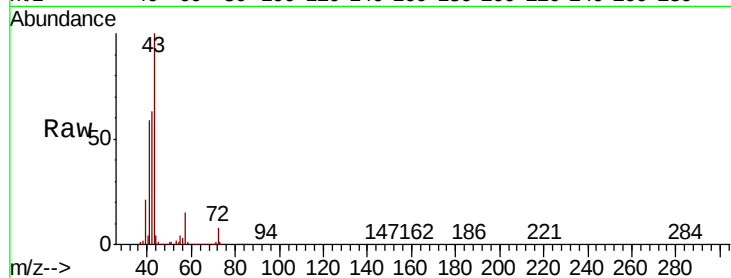
Tot Ion: 41 Resp: 3284498

Ion Ratio Lower Upper

41 100

76 0.0 21.8 32.6#

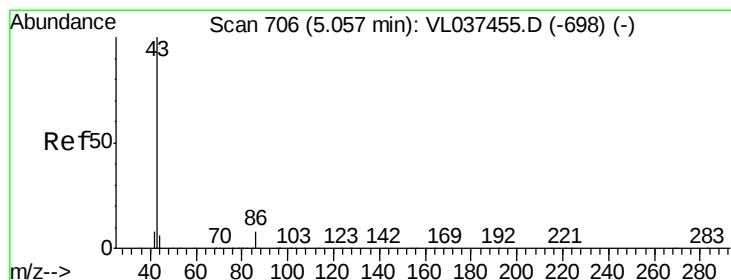
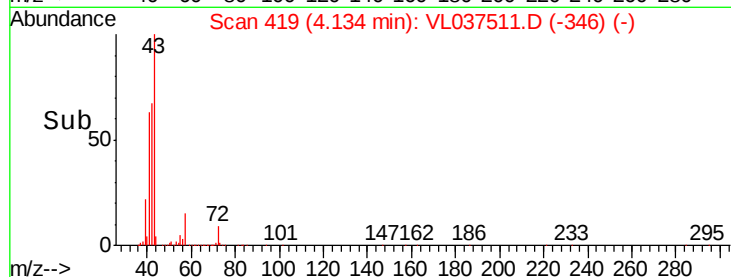
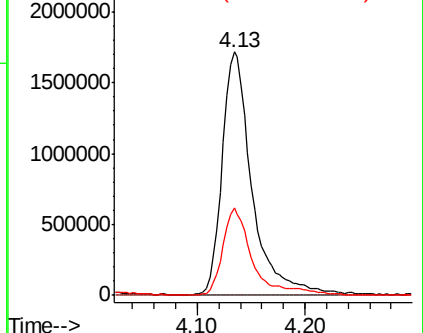
39 35.6 56.8 85.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#23

Vinyl Acetate

Concen: 0.064 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Tgt Ion: 43 Resp: 13329

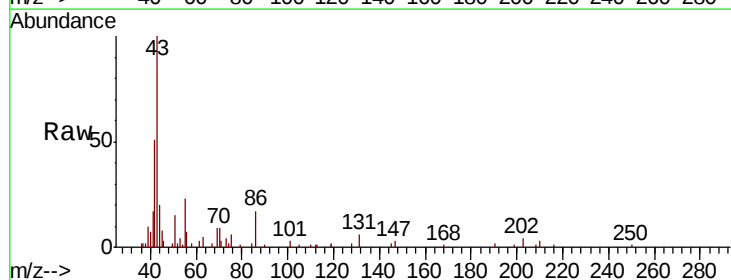
Ion Ratio Lower Upper

43 100

86 33.3 5.7 8.5#

42 62.4 7.4 11.2#

44 14.5 4.3 6.5#

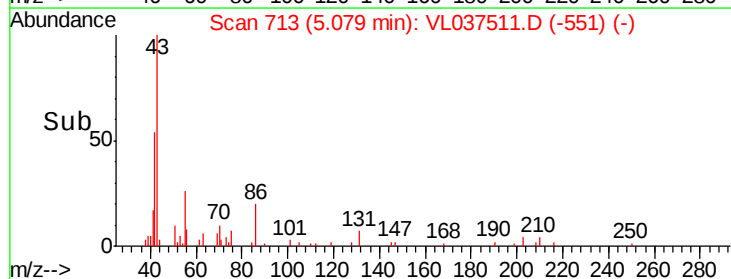
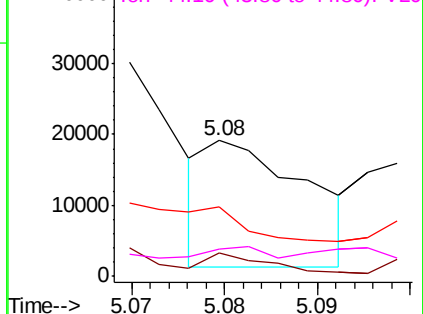


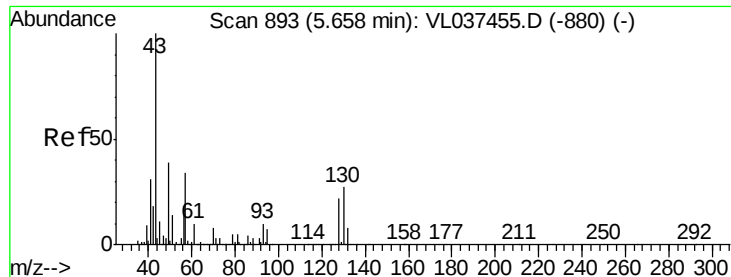
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

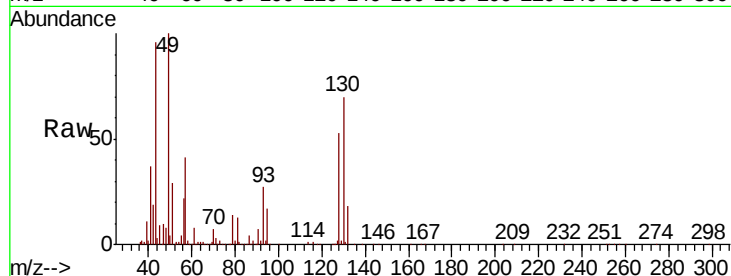




#25
Ethyl Acetate
Concen: 2.483 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.03 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	43	Resp:	891987
Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.0	12.0
61	9.8	8.0	12.0
70	7.6	5.6	8.4



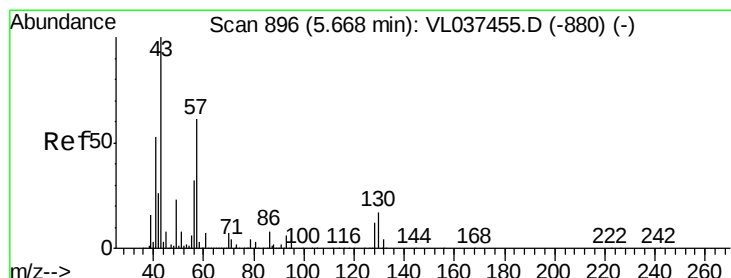
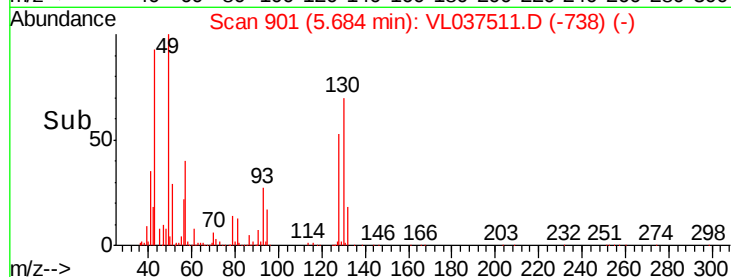
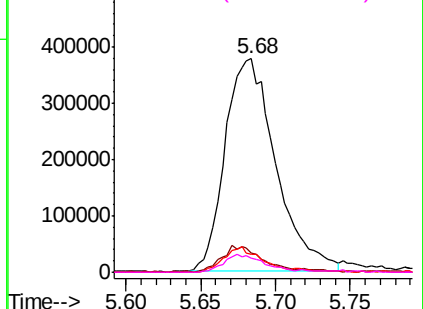
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

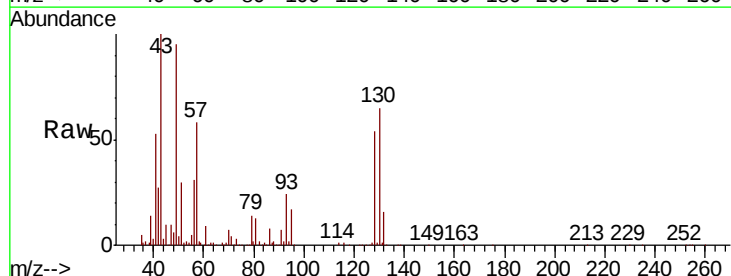
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 2.134 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.02 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion:	57	Resp:	374915
Ion	Ratio	Lower	Upper
57	100		
41	99.5	72.3	108.5
43	248.7	172.3	258.5
56	57.6	42.8	64.2



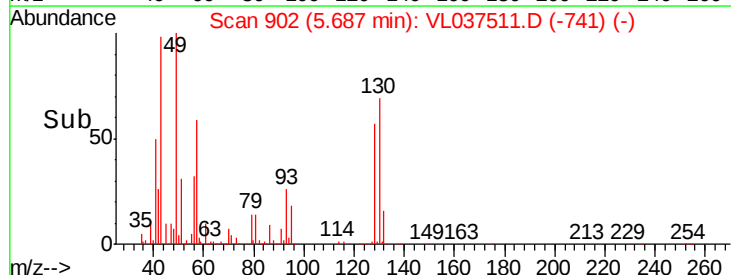
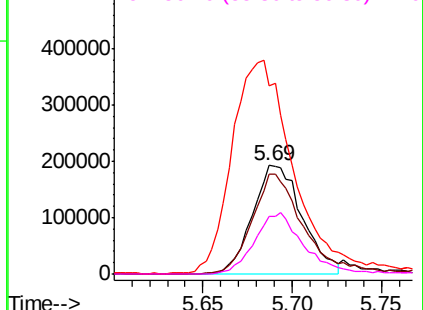
Abundance

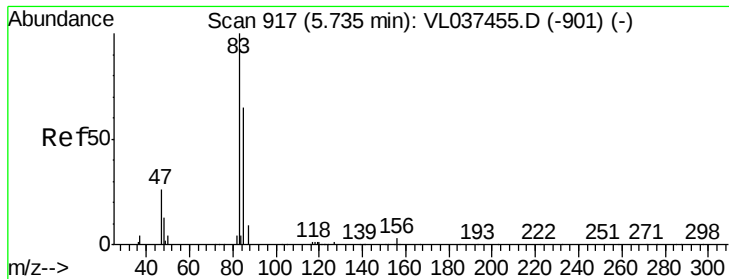
Ion 57.10 (56.80 to 57.80): VL0

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

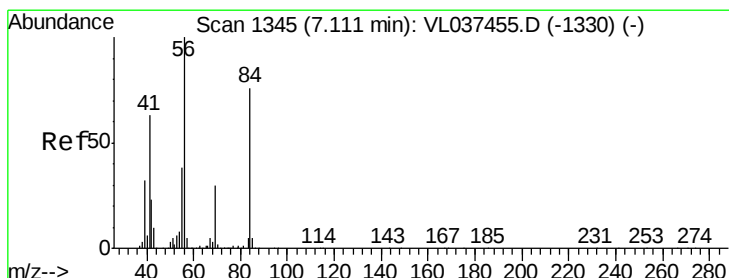
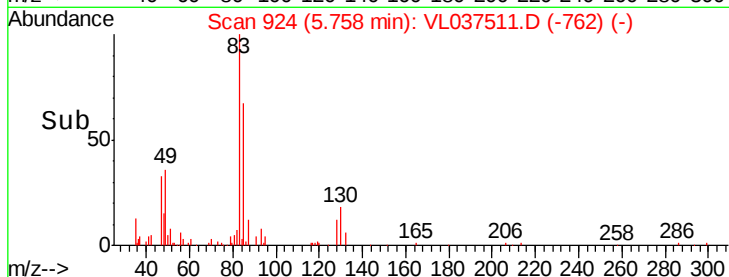
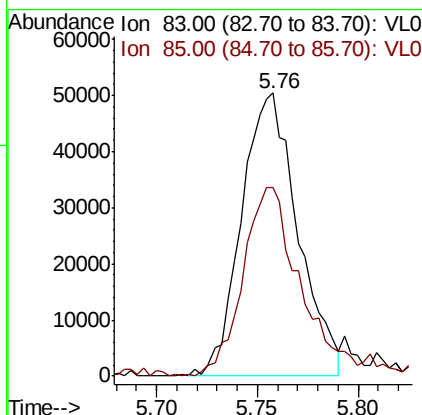
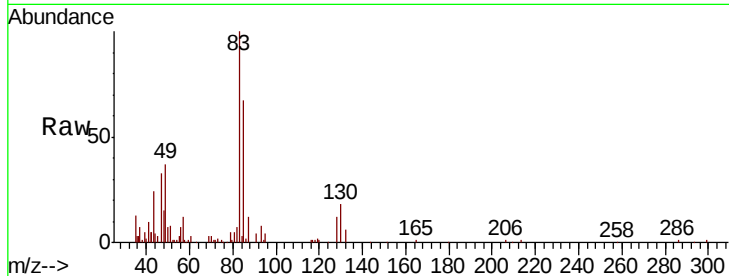




#29
Chloroform
Concen: 0.396 ppbv
RT: 5.76 min Scan# 924
Delta R.T. 0.02 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

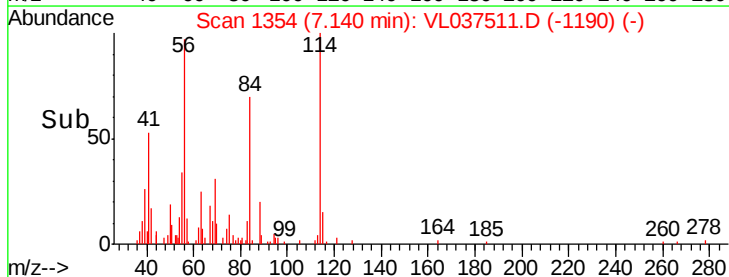
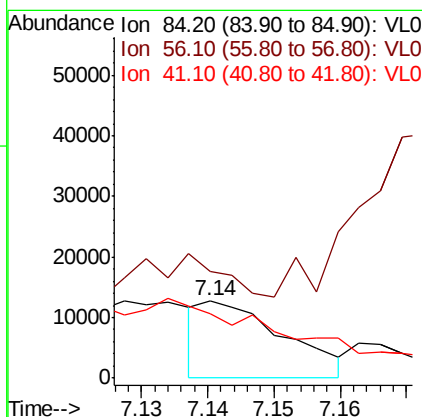
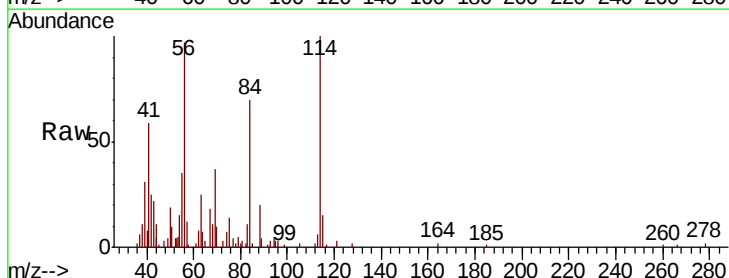
Instrument :
MSVOA_L
ClientSampled :

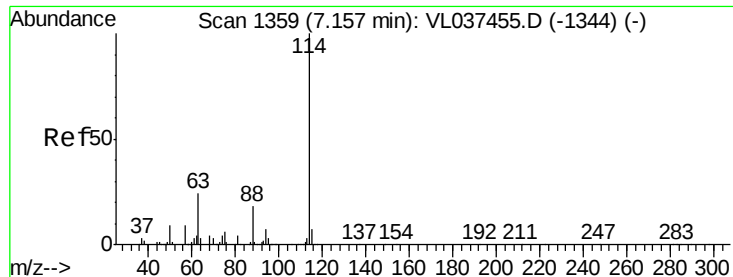
Tot Ion: 83 Resp: 98493
Ion Ratio Lower Upper
83 100
85 66.0 52.3 78.5



#30
Cyclohexane
Concen: 0.075 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. 0.03 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 84 Resp: 11003
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#

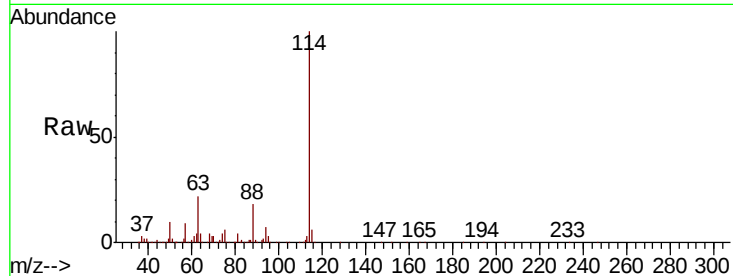




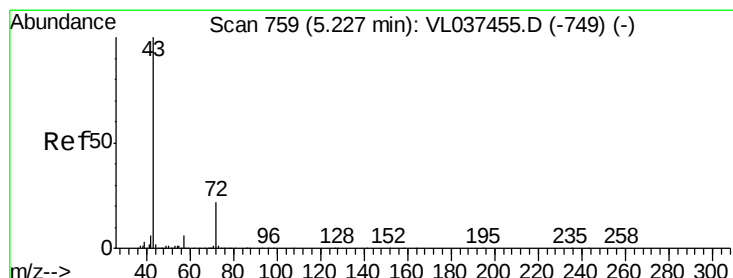
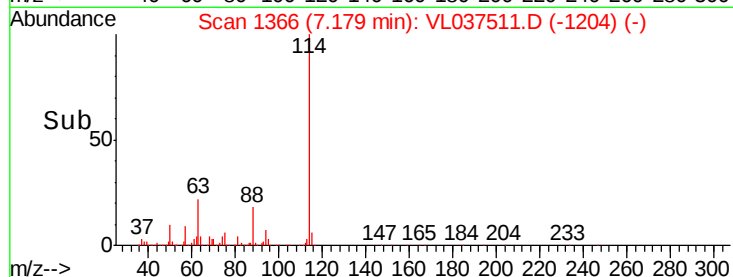
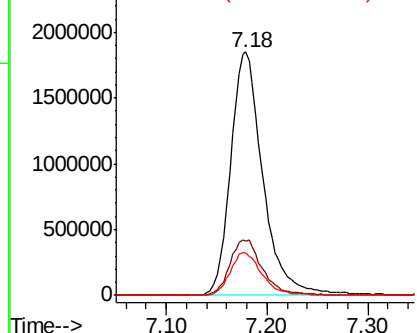
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. 0.02 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4092423
 Ion Ratio Lower Upper
 114 100
 63 23.7 19.3 28.9
 88 17.8 14.2 21.4

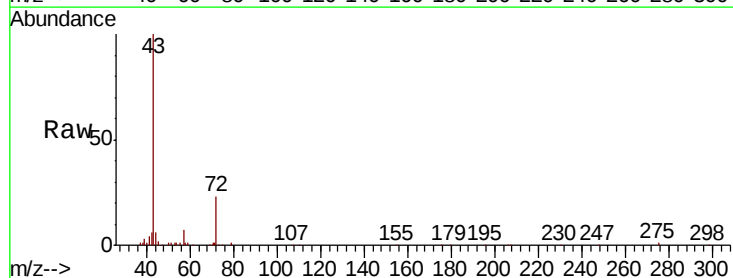


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

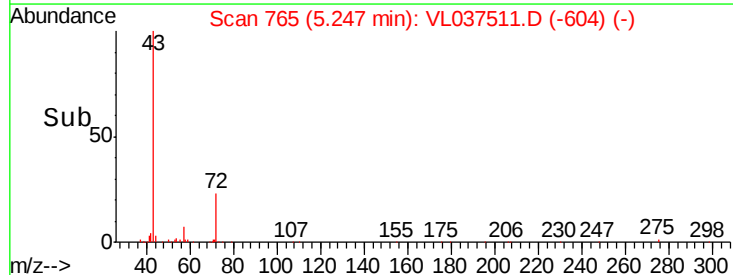
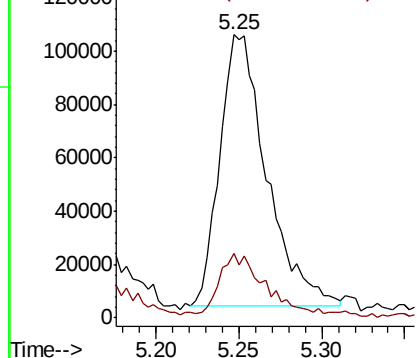


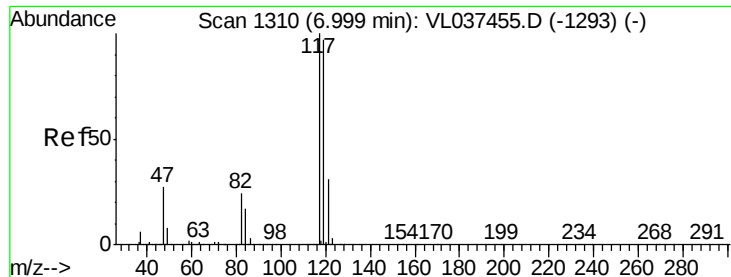
#34
 2-Butanone
 Concen: 1.195 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.02 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Tgt Ion: 43 Resp: 199735
 Ion Ratio Lower Upper
 43 100
 72 26.8 17.4 26.0#



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





#35

Carbon Tetrachloride

Concen: 0.037 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampleId :

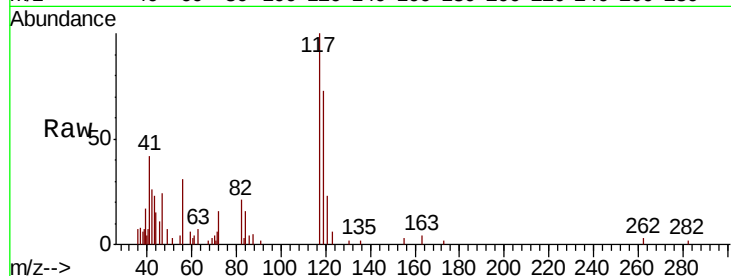
Tot Ion:117 Resp: 8924

Ion Ratio Lower Upper

117 100

119 68.0 77.3 115.9#

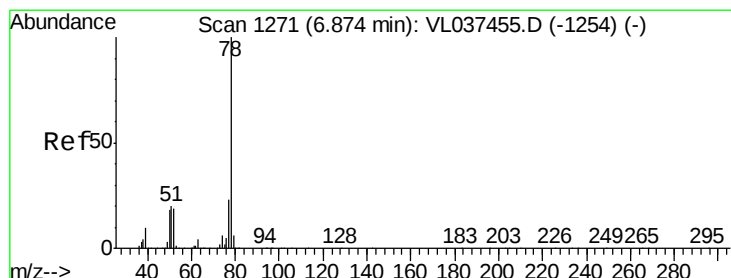
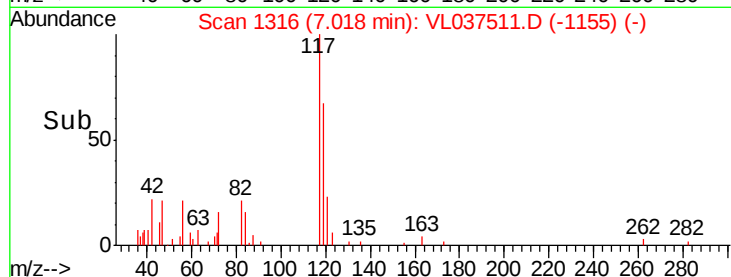
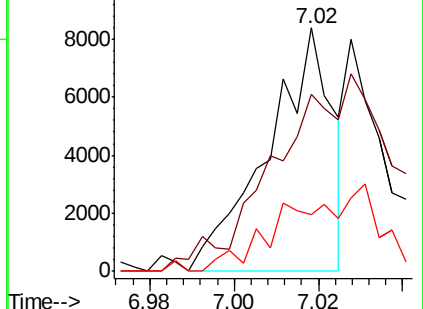
121 23.5 25.2 37.8#



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.061 ppbv

RT: 6.90 min Scan# 1279

Delta R.T. 0.03 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

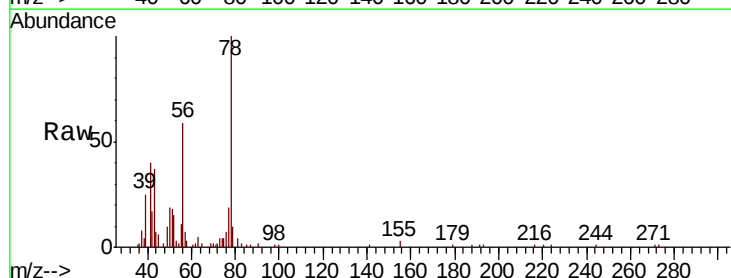
Tgt Ion: 78 Resp: 21092

Ion Ratio Lower Upper

78 100

77 16.3 18.2 27.4#

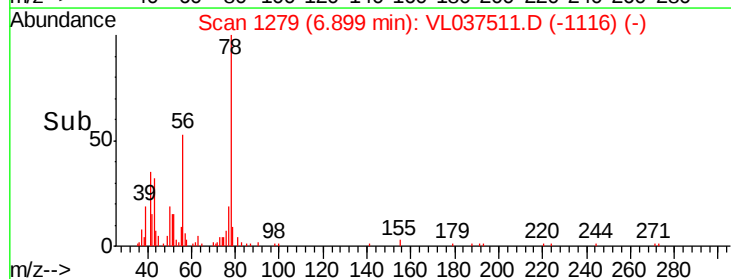
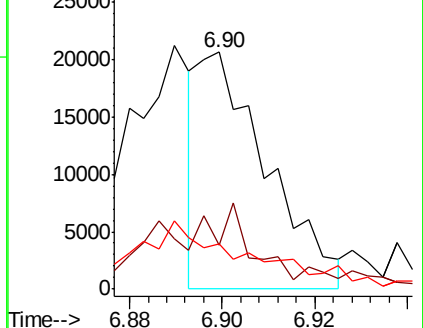
50 10.4 14.6 21.8#

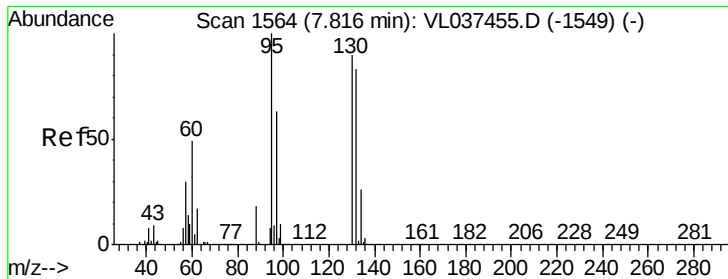


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

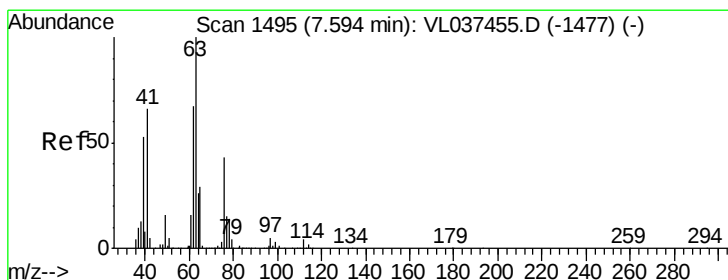
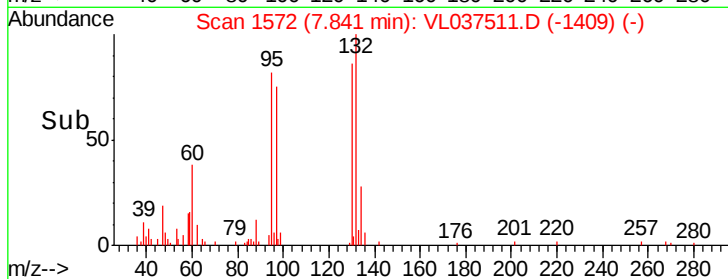
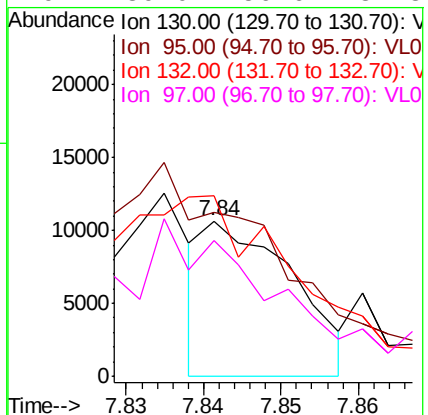
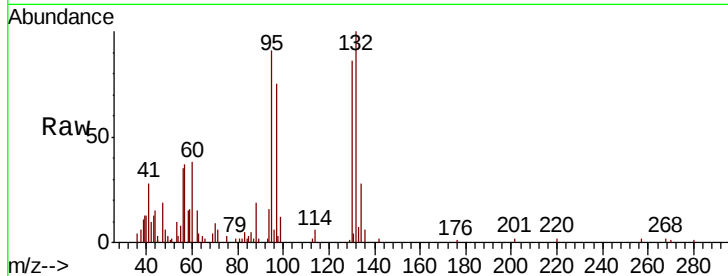




#38
 Trichloroethene
 Concen: 0.061 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. 0.03 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

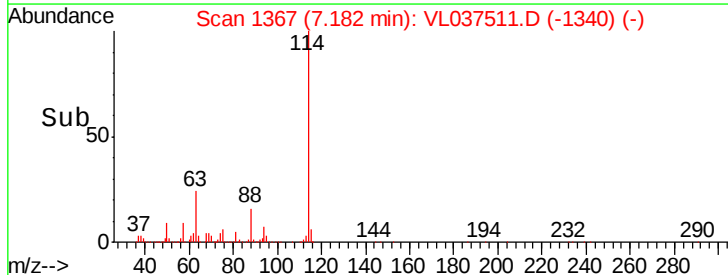
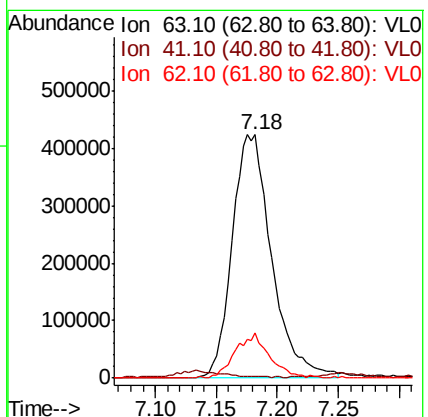
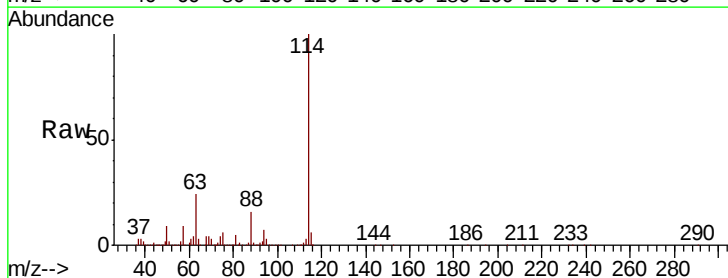
Instrument :
 MSVOA_L
 ClientSampleId :

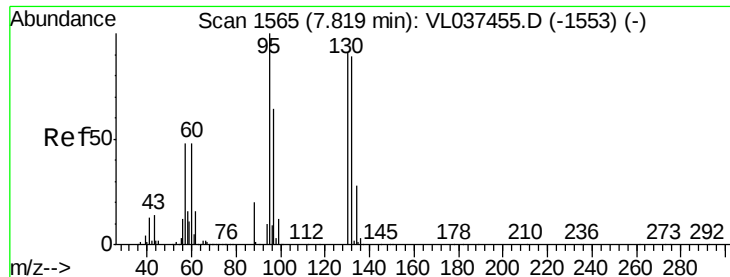
Tot Ion:130	Resp:	8570	
Ion Ratio	Lower	Upper	
130 100			
95 92.5	89.2	133.8	
132 101.2	74.0	111.0	
97 89.0	56.6	84.8#	



#39
 1,2-Dichloropropane
 Concen: 7.187 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.41 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Tgt Ion: 63	Resp: 950023
Ion Ratio	Lower Upper
63 100	
41 0.0	52.4 78.6#
62 18.6	53.6 80.4#

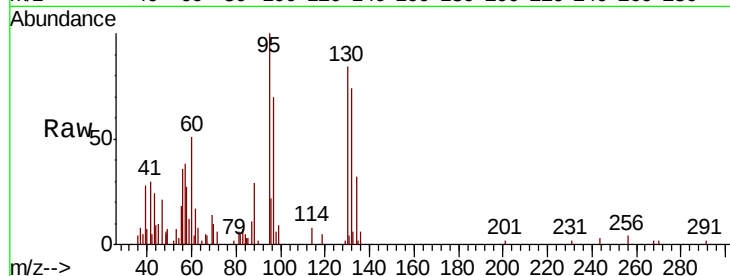




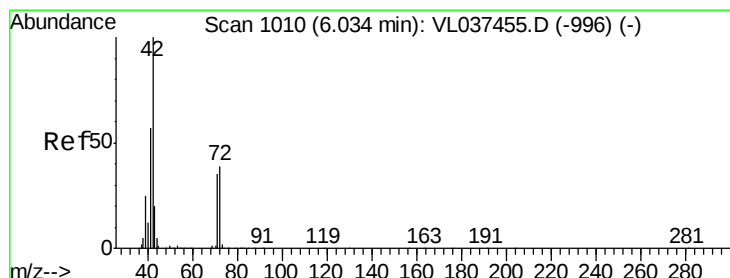
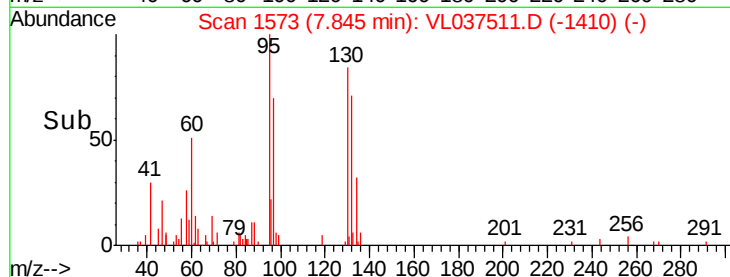
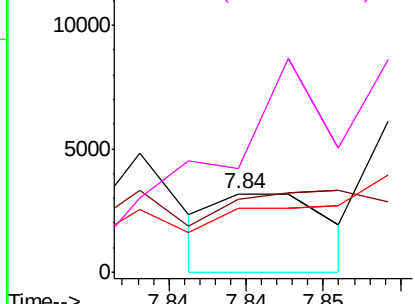
#40
1,4-Dioxane
Concen: 0.050 ppbv
RT: 7.84 min Scan# 1573
Delta R.T. 0.03 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 88 Resp: 1604
Ion Ratio Lower Upper
88 100
58 0.0 0.0 0.0
43 0.0 0.0 0.0
57 0.0 0.0 0.0

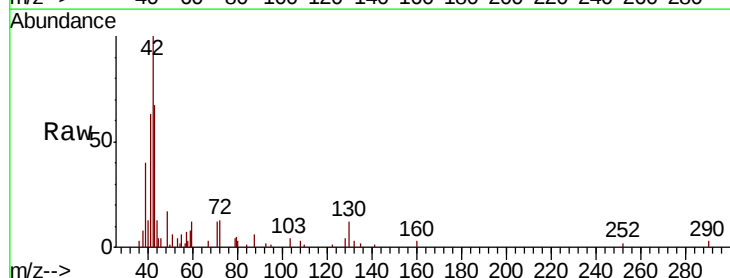


Abundance Ion 88.10 (87.80 to 88.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

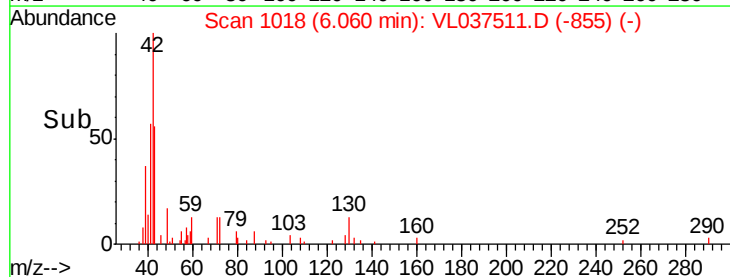
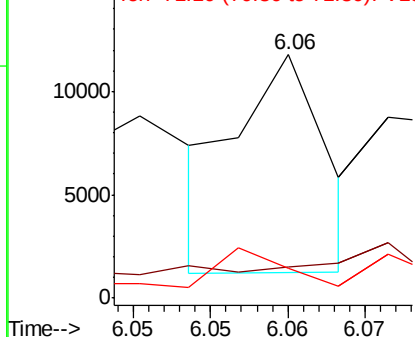


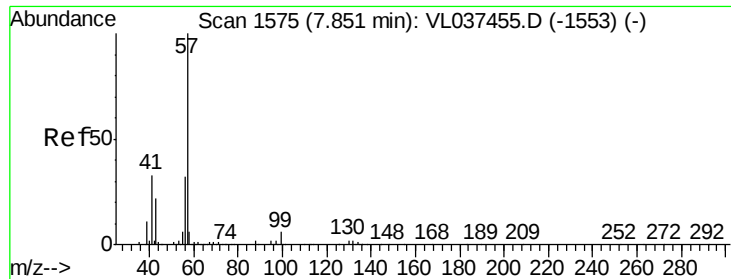
#41
Tetrahydrofuran
Concen: 0.052 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.03 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 42 Resp: 4172
Ion Ratio Lower Upper
42 100
72 0.0 32.2 48.4#
71 103.3 30.5 45.7#



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





#44

2,2,4-Trimethylpentane

Concen: 0.032 ppbv

RT: 7.87 min Scan# 1582

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampleId :

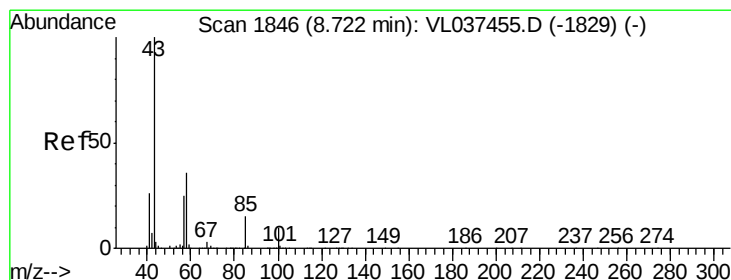
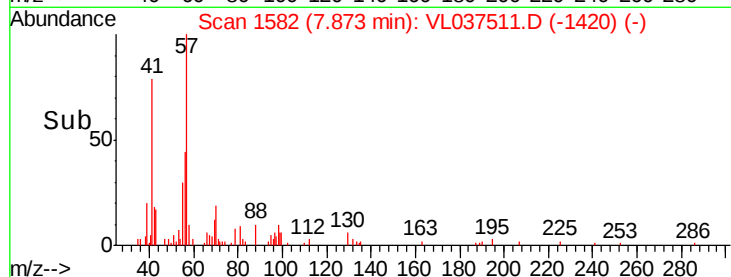
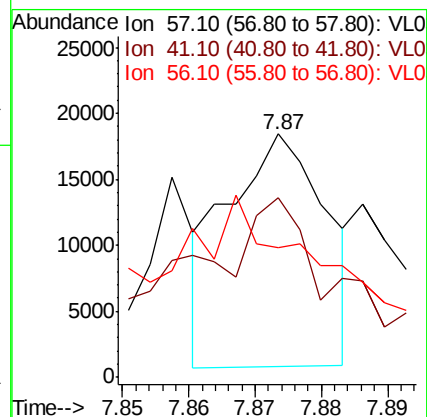
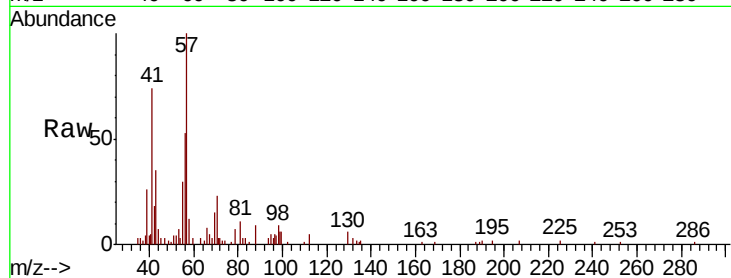
Tot Ion: 57 Resp: 18280

Ion Ratio Lower Upper

57 100

41 139.8 26.2 39.4#

56 164.4 25.4 38.2#



#50

4-Methyl-2-Pentanone

Concen: 0.098 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL037511.D

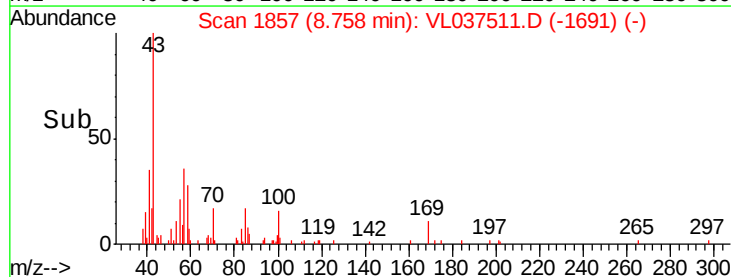
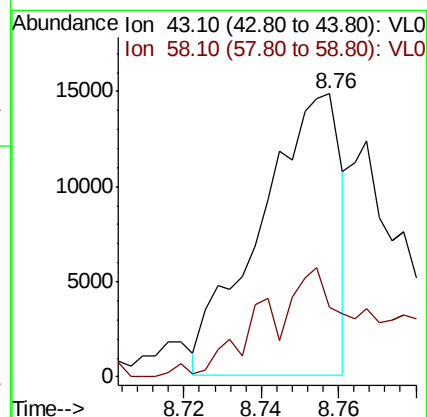
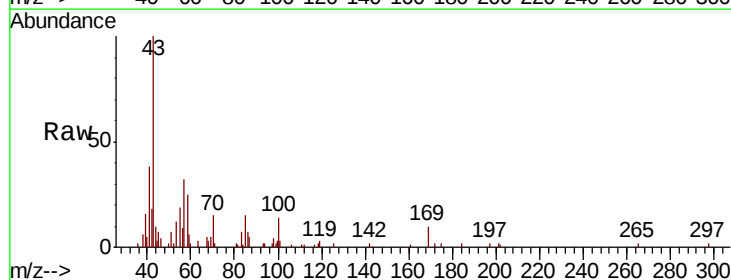
Acq: 19 Aug 2021 23:10

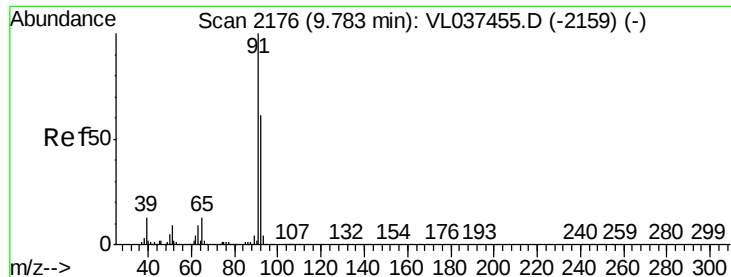
Tgt Ion: 43 Resp: 21313

Ion Ratio Lower Upper

43 100

58 67.0 29.9 44.9#





#53

Toluene

Concen: 0.261 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

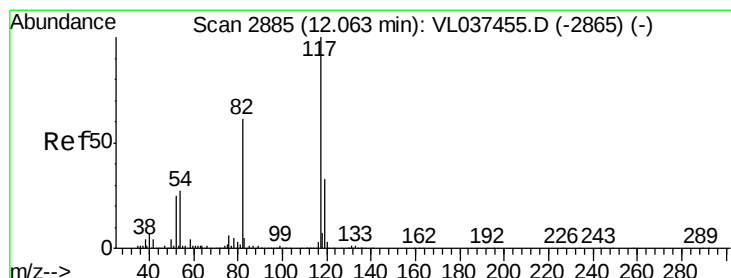
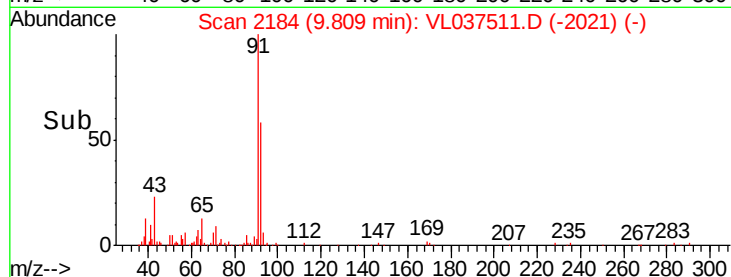
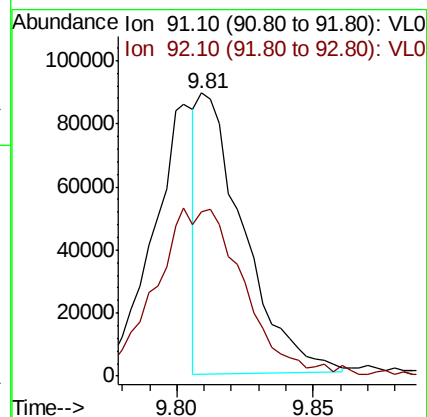
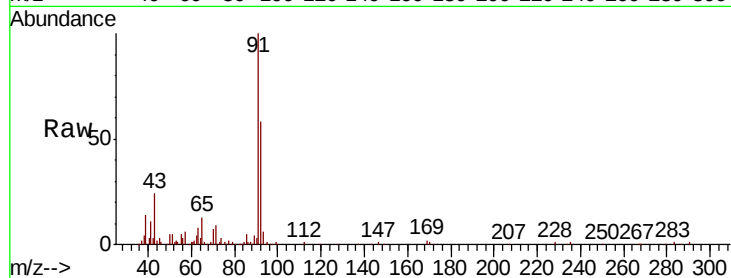
ClientSampled :

Tot Ion: 91 Resp: 102642

Ion Ratio Lower Upper

91 100

92 0.0 48.8 73.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2892

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

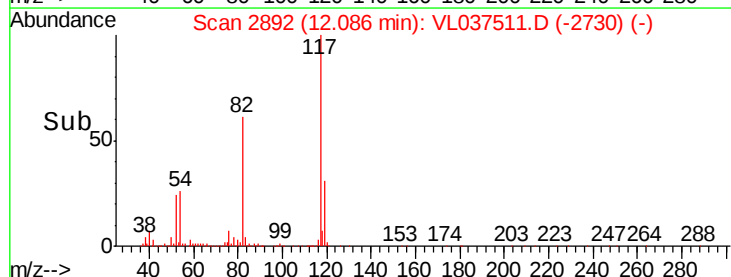
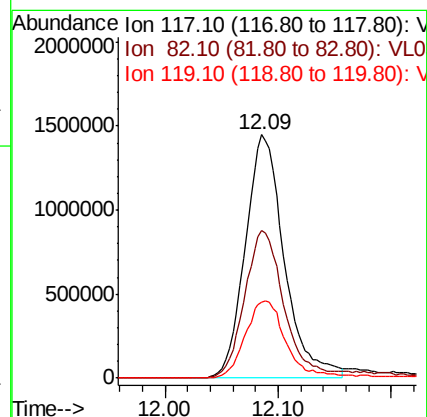
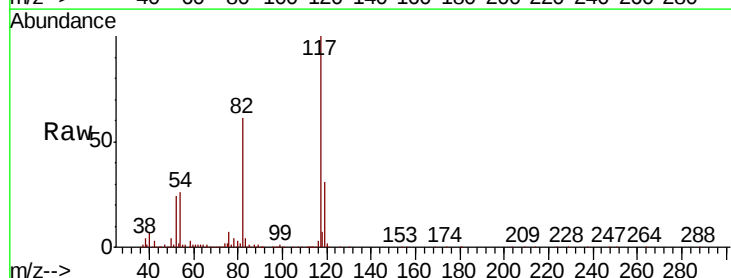
Tgt Ion: 117 Resp: 3473855

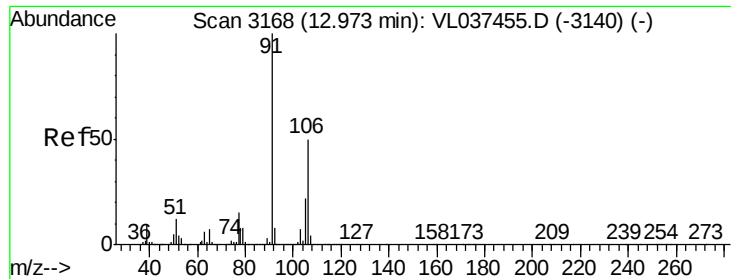
Ion Ratio Lower Upper

117 100

82 66.4 52.9 79.3

119 34.4 24.8 37.2

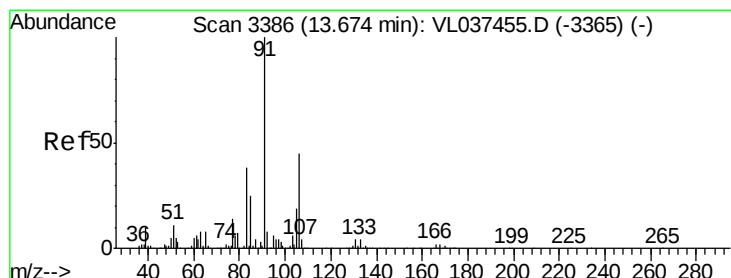
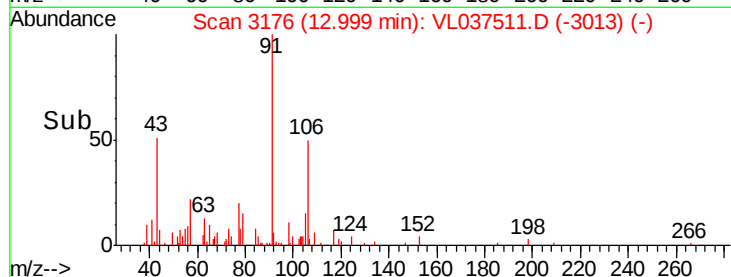
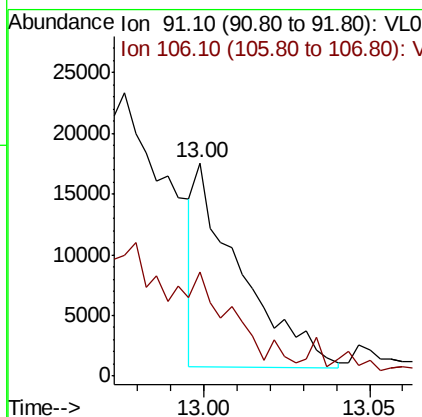
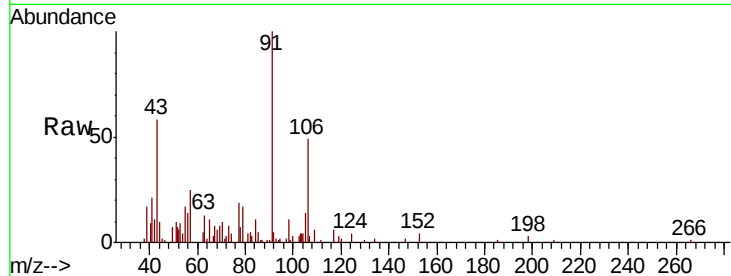




#59
m/p-Xylene
Concen: 0.038 ppbv
RT: 13.00 min Scan# 3176
Delta R.T. 0.03 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

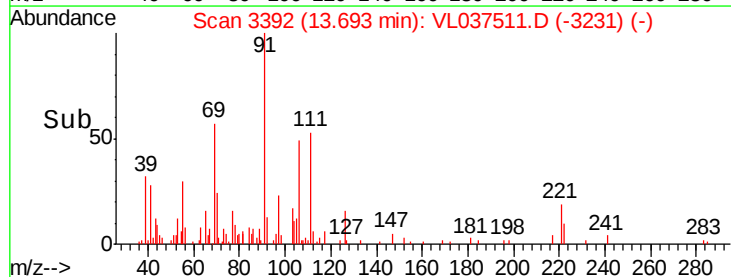
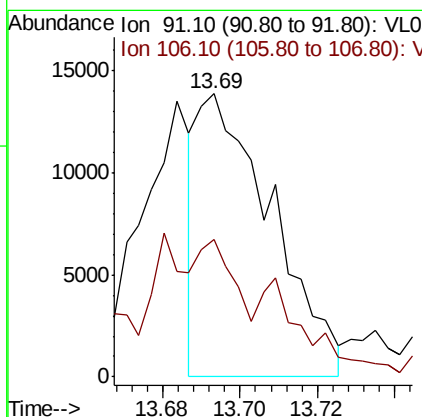
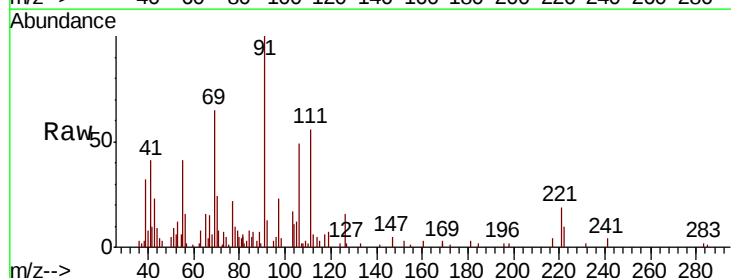
Instrument :
MSVOA_L
ClientSampled :

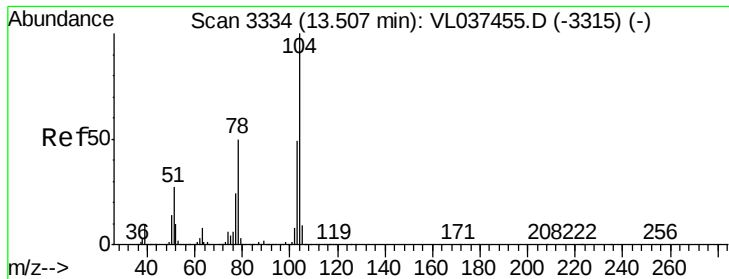
Tot Ion: 91 Resp: 15952
Ion Ratio Lower Upper
91 100
106 0.0 36.9 55.3#



#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.69 min Scan# 3392
Delta R.T. 0.02 min
Lab File: VL037511.D
Acq: 19 Aug 2021 23:10

Tgt Ion: 91 Resp: 18456
Ion Ratio Lower Upper
91 100
106 0.0 23.7 71.1#





#61

Stvrene

Concen: 0.044 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. 0.03 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampled :

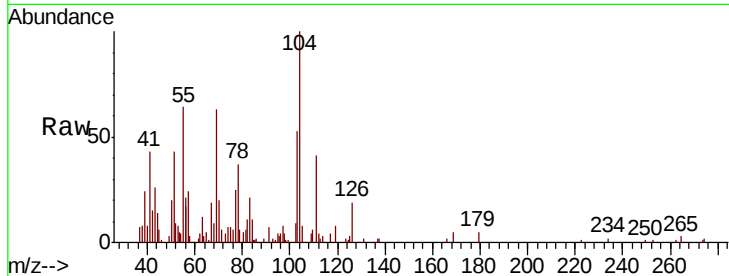
Tot Ion:104 Resp: 8956

Ion Ratio Lower Upper

104 100

78 0.0 41.3 61.9#

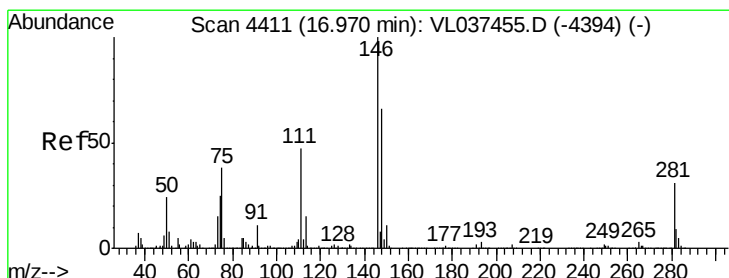
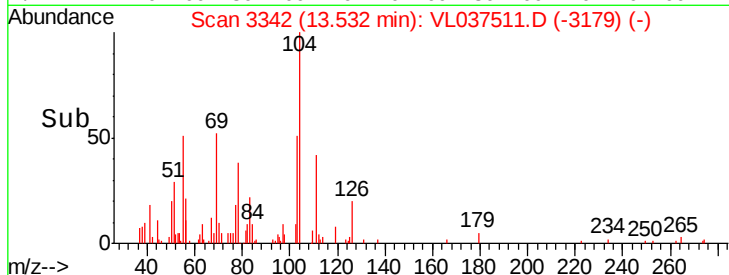
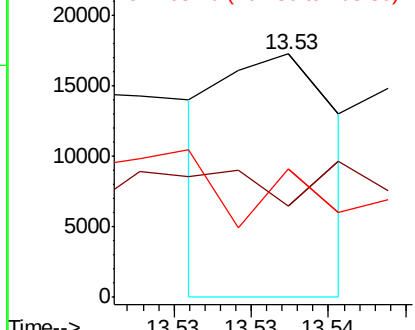
103 270.4 39.4 59.0#



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



#66

Benzyl Chloride

Concen: 0.034 ppbv

RT: 17.00 min Scan# 4420

Delta R.T. 0.03 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

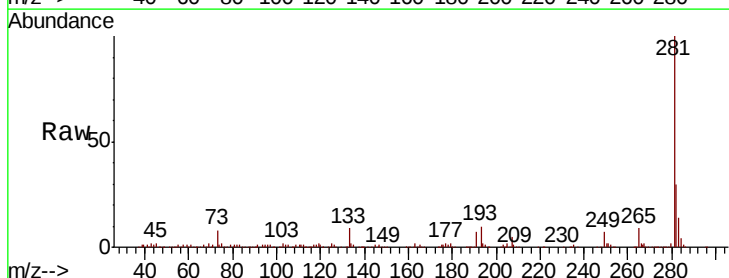
Tgt Ion: 91 Resp: 771

Ion Ratio Lower Upper

91 100

126 593.5 15.9 23.9#

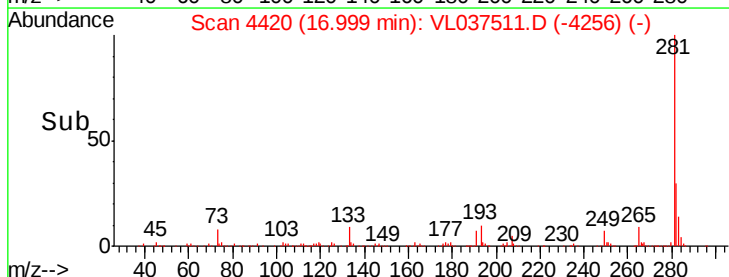
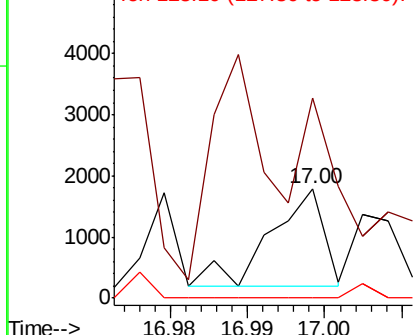
128 0.0 5.4 8.0#

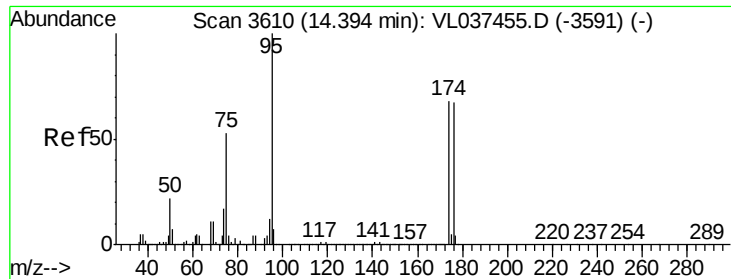


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.766 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

Instrument :

MSVOA_L

ClientSampled :

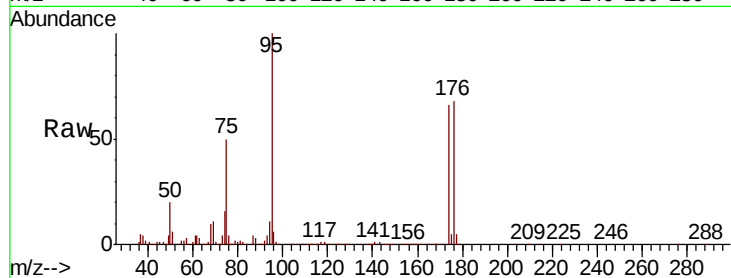
Tot Ion: 95 Resp: 2410337

Ion Ratio Lower Upper

95 100

174 78.4 59.6 89.4

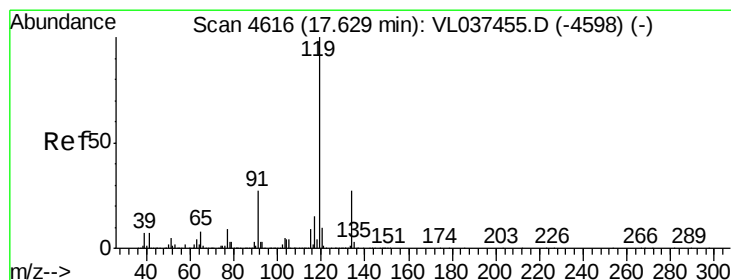
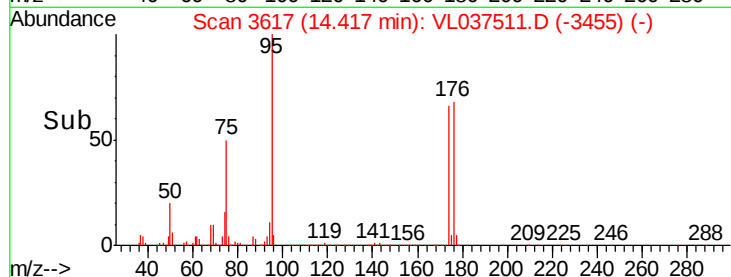
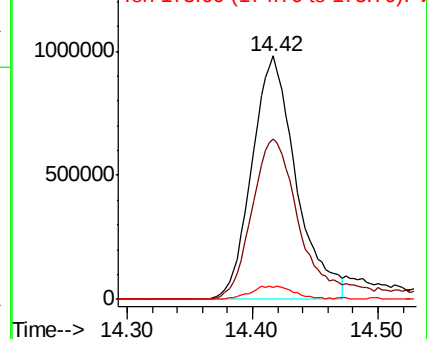
175 6.3 4.6 7.0



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: 0.039 ppbv

RT: 17.66 min Scan# 4625

Delta R.T. 0.03 min

Lab File: VL037511.D

Acq: 19 Aug 2021 23:10

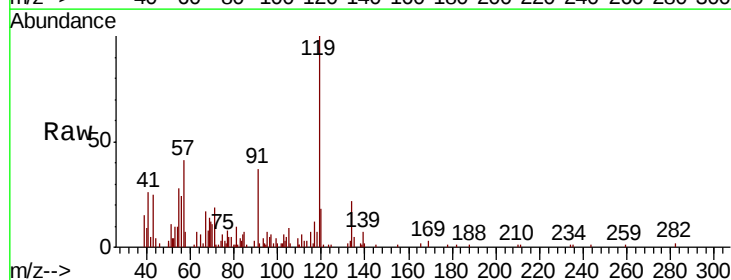
Tgt Ion: 119 Resp: 21980

Ion Ratio Lower Upper

119 100

134 64.7 21.1 31.7#

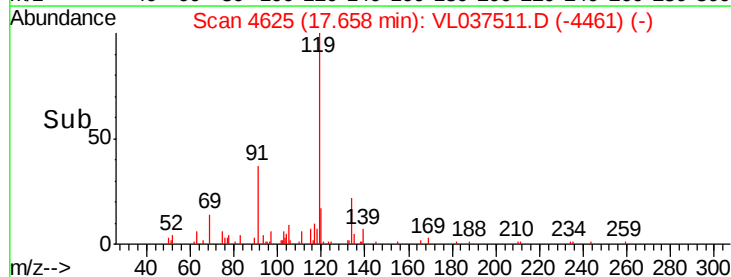
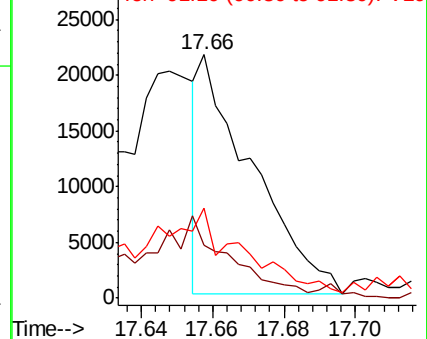
91 103.4 22.4 33.6#

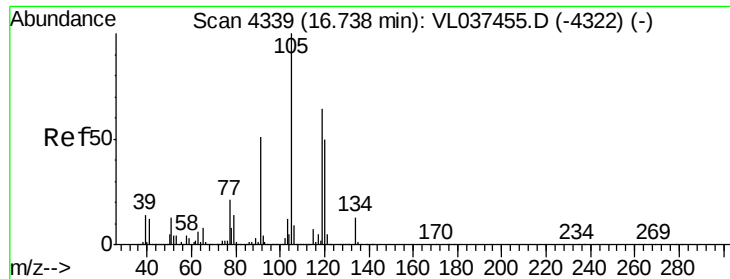


Abundance Ion 119.10 (118.80 to 119.80): V

Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): VL0

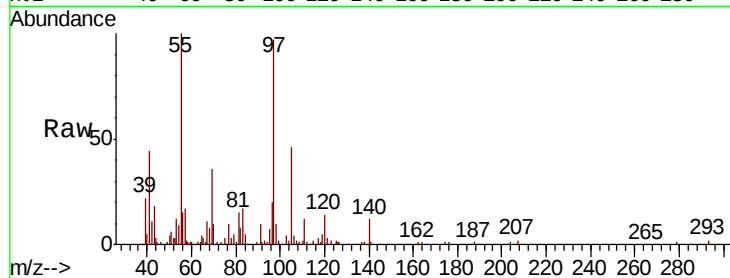




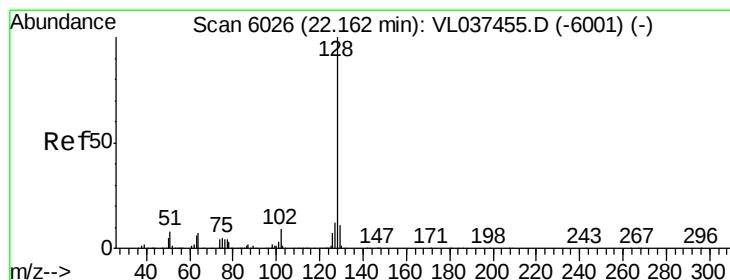
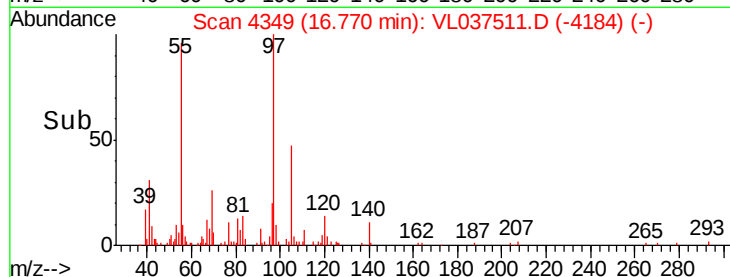
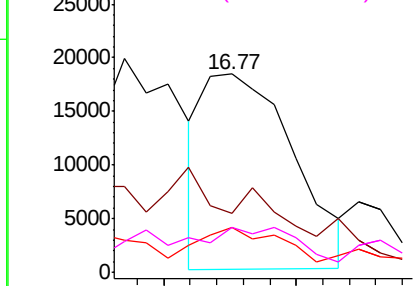
#74
 1,2,4-Trimethylbenzene
 Concen: 0.038 ppbv
 RT: 16.77 min Scan# 4349
 Delta R.T. 0.03 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:	105	Resp:	17264
Ion	Ratio	Lower	Upper
105	100		
120	4.0	40.4	60.6#
91	19.8	44.6	67.0#
77	19.5	17.8	26.6

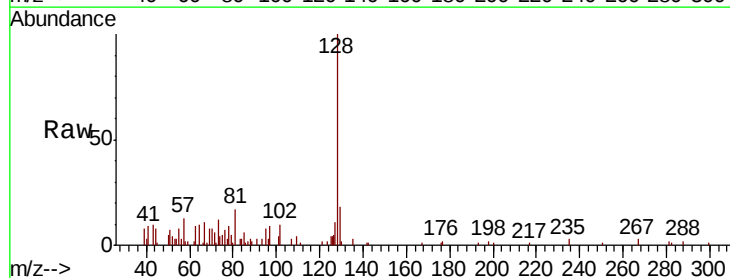


Abundance Ion 105.10 (104.80 to 105.80): V
 Ion 120.20 (119.90 to 120.90): V
 Ion 91.10 (90.80 to 91.80): VL0
 Ion 77.10 (76.80 to 77.80): VL0



#79
 Naphthalene
 Concen: 0.040 ppbv
 RT: 22.21 min Scan# 6040
 Delta R.T. 0.04 min
 Lab File: VL037511.D
 Acq: 19 Aug 2021 23:10

Tgt Ion:	128	Resp:	12244
Ion	Ratio	Lower	Upper
128	100		
127	12.0	9.4	14.2
129	11.1	8.8	13.2



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

