

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037500.D
 Acq On : 19 Aug 2021 15:56
 Operator : SY/AP
 Sample : M3480-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 20 00:20:34 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	1398671	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	4124230	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3467560	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2376121	9.65	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.50%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	43447	0.194	ppbv 99
3) Chlorodifluoromethane	2.97	51	1598574	5.969	ppbv # 73
4) Chloromethane	3.14	50	40464	0.423	ppbv 93
7) Chloroethane	3.56	64	4999	0.149	ppbv # 78
9) Propene	3.02	41	191900	2.003	ppbv 92
10) Heptane	8.14	43	8765	0.040	ppbv # 26
11) Trichlorofluoromethane	3.95	101	41352	0.196	ppbv 84
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5839	0.038	ppbv # 33
13) Ethanol	3.61	45	3914518	419.791	ppbv 97
15) Acetone	3.85	43	4670454	32.811	ppbv 98
16) 1,3-Butadiene	3.31	39	112887	1.236	ppbv # 16
17) tert-Butyl alcohol	4.30	59	166916	1.284	ppbv 95
19) Isopropyl Alcohol	3.97	45	769358	9.434	ppbv # 1
20) Methylene Chloride	4.35	84	8794076	123.393	ppbv 92
21) Allyl Chloride	4.40	41	7630	0.066	ppbv # 77
23) Vinyl Acetate	5.07	43	26916	0.128	ppbv # 57
25) Ethyl Acetate	5.69	43	4355633	12.053	ppbv # 77
26) Hexane	5.69	57	5944331	33.645	ppbv # 46
27) Carbon Disulfide	4.56	76	41054	0.261	ppbv # 56
29) Chloroform	5.76	83	66802	0.267	ppbv 96
30) Cyclohexane	7.14	84	12893	0.088	ppbv # 1
31) cis-1,2-Dichloroethene	5.55	61	14977	0.094	ppbv # 93
34) 2-Butanone	5.25	43	378874	2.250	ppbv # 69
35) Carbon Tetrachloride	7.02	117	10834	0.044	ppbv # 56
36) Benzene	6.90	78	1038699	2.996	ppbv 98
38) Trichloroethene	7.84	130	349394	2.456	ppbv 96
39) 1,2-Dichloropropane	7.18	63	971336	7.291	ppbv # 27
40) 1,4-Dioxane	7.84	88	38750	1.187	ppbv # 100
41) Tetrahydrofuran	5.69	42	2186403	26.949	ppbv # 49
43) Methyl Methacrylate	8.02	69	4473	0.037	ppbv # 80
44) 2,2,4-Trimethylpentane	7.87	57	63790	0.109	ppbv # 47
50) 4-Methyl-2-Pentanone	8.76	43	59743	0.272	ppbv 98
51) 2-Hexanone	10.15	43	23733	0.235	ppbv # 39
52) Tetrachloroethene	11.24	164	9706	0.068	ppbv 92
53) Toluene	9.81	91	398076	1.006	ppbv 99
58) Ethyl Benzene	12.72	91	19563	0.041	ppbv 93
59) m/p-Xylene	13.00	91	12934	0.031	ppbv # 30
60) o-Xylene	13.70	91	18487	0.047	ppbv # 29
61) Styrene	13.54	104	37695	0.186	ppbv # 1
62) Isopropylbenzene	14.66	105	379442	0.691	ppbv # 31
65) tert-Butylbenzene	16.76	119	45233	0.090	ppbv # 82

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037500.D
Acq On : 19 Aug 2021 15:56
Operator : SY/AP
Sample : M3480-01DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 20 00:20:34 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

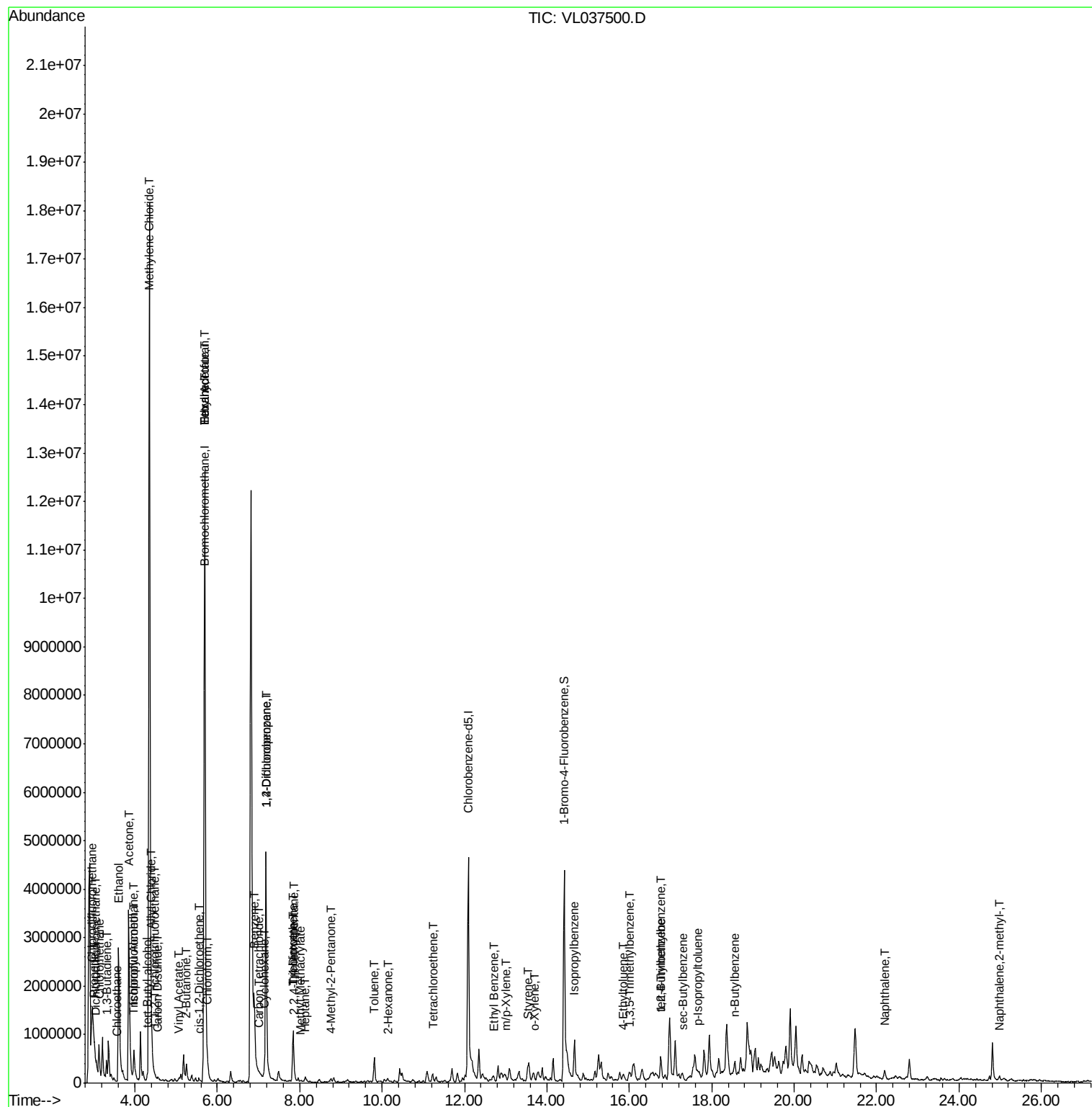
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
67) sec-Butylbenzene	17.30	105	27093	0.039	ppbv #	16
69) p-Isopropyltoluene	17.66	119	19981	0.035	ppbv #	48
70) n-Butylbenzene	18.56	91	27176	0.050	ppbv #	1
72) 4-Ethyltoluene	15.84	105	19398	0.042	ppbv #	46
73) 1,3,5-Trimethylbenzene	16.00	105	118879	0.276	ppbv	92
74) 1,2,4-Trimethylbenzene	16.76	105	171428	0.374	ppbv #	61
79) Naphthalene	22.20	128	82848	0.270	ppbv #	94
80) Naphthalene,2-methyl-	24.97	142	8757	0.103	ppbv #	80

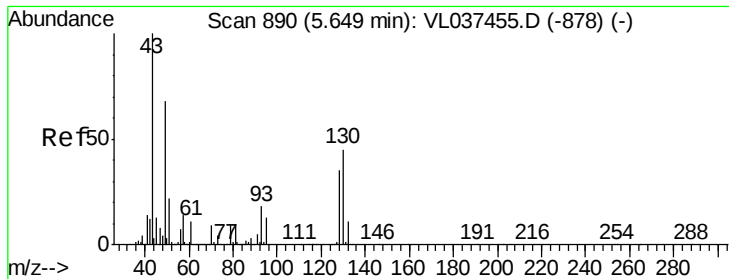
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037500.D
Acq On : 19 Aug 2021 15:56
Operator : SY/AP
Sample : M3480-01DUP
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 20 00:20:34 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :

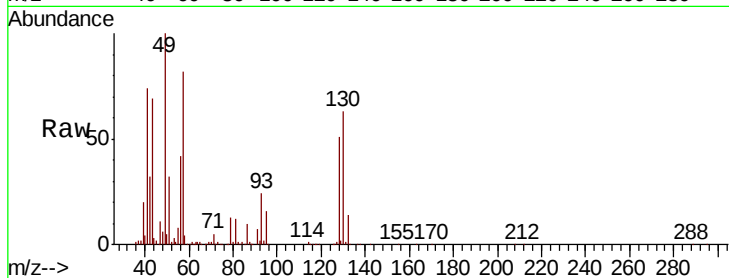
Tot Ion: 49 Resp: 1398671

Ion Ratio Lower Upper

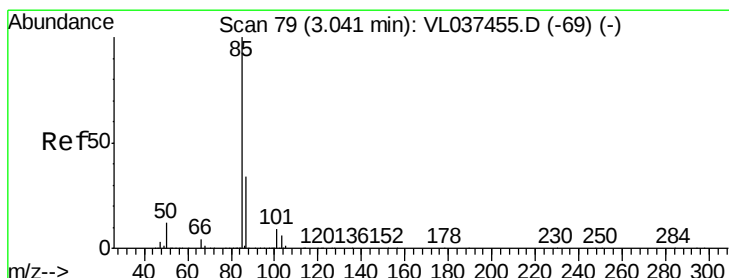
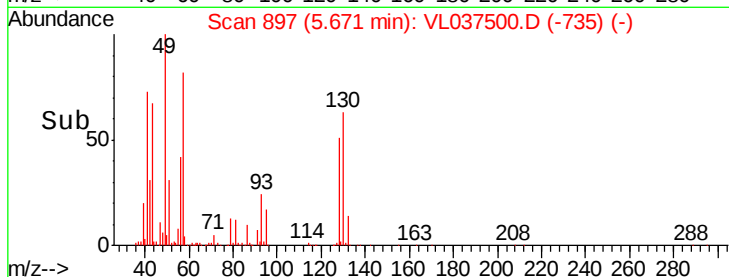
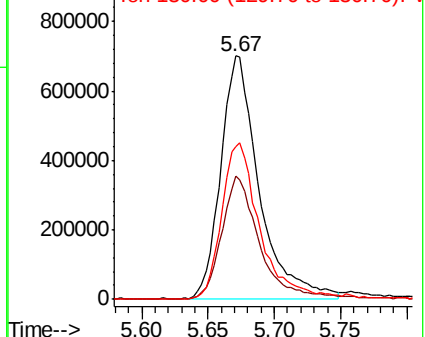
49 100

128 51.7 27.5 82.4

130 66.4 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: 0.194 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.01 min

Lab File: VL037500.D

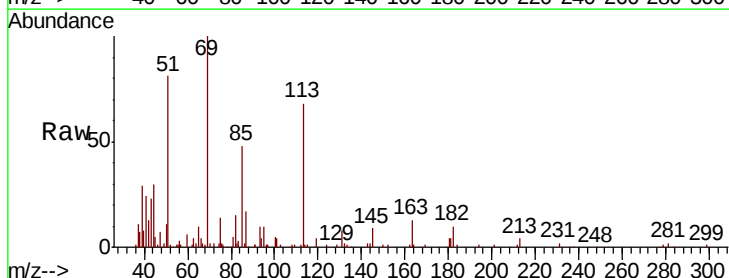
Acq: 19 Aug 2021 15:56

Tgt Ion: 85 Resp: 43447

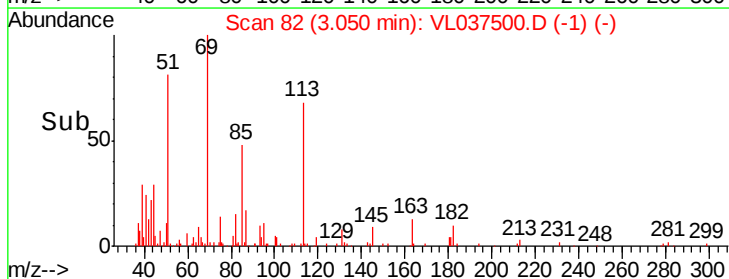
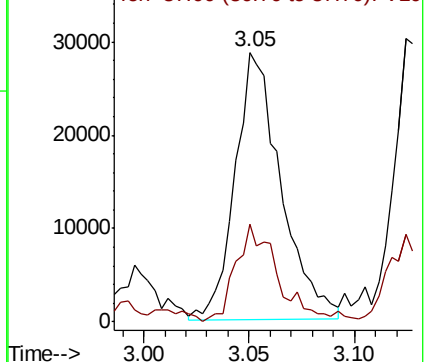
Ion Ratio Lower Upper

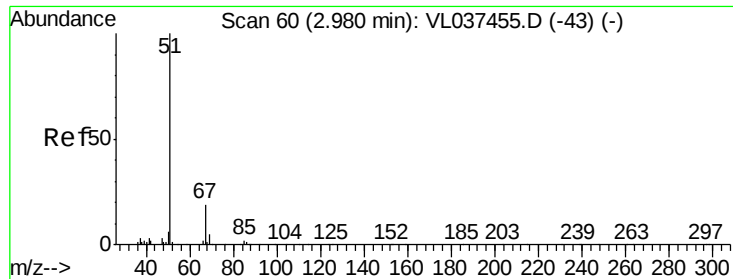
85 100

87 33.7 27.6 41.4



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

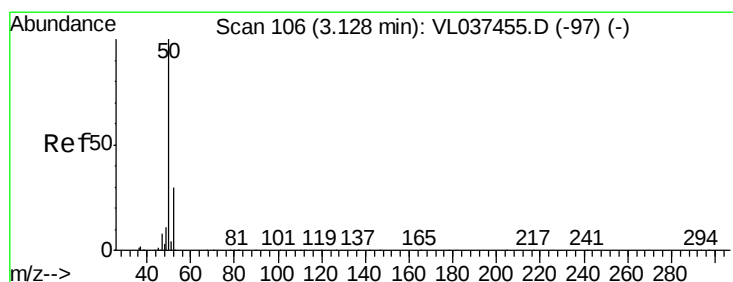
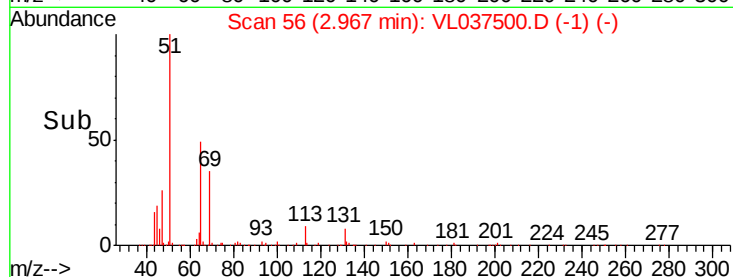
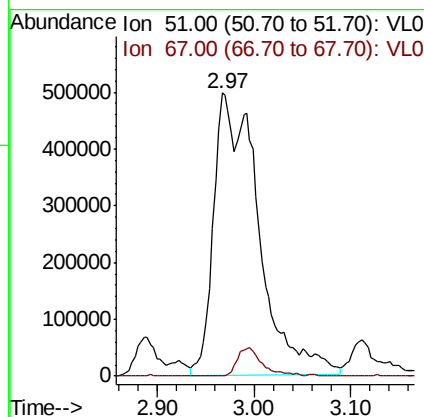
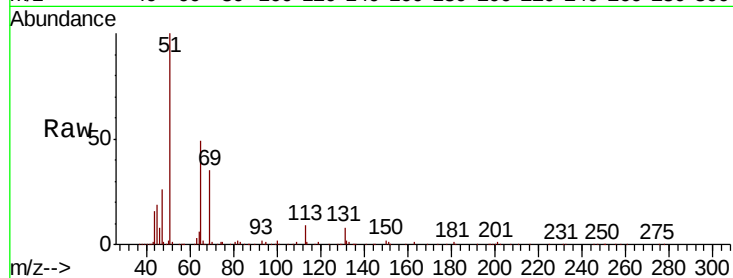




#3
Chlorodifluoromethane
Concen: 5.969 ppbv
RT: 2.97 min Scan# 56
Delta R.T. -0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

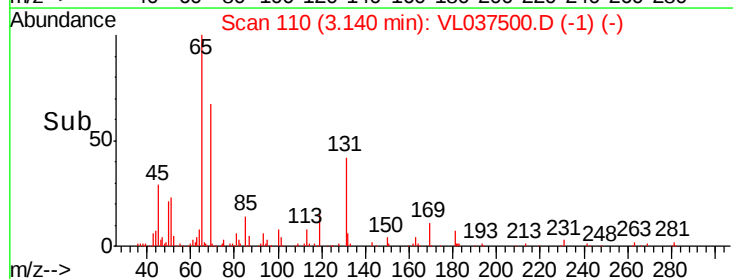
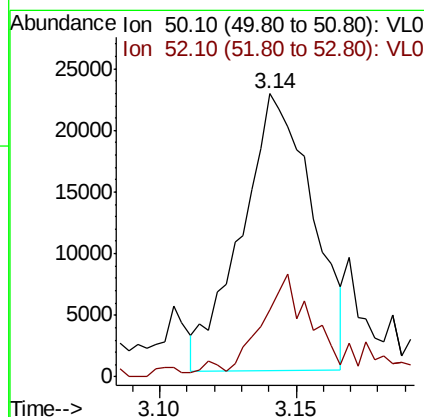
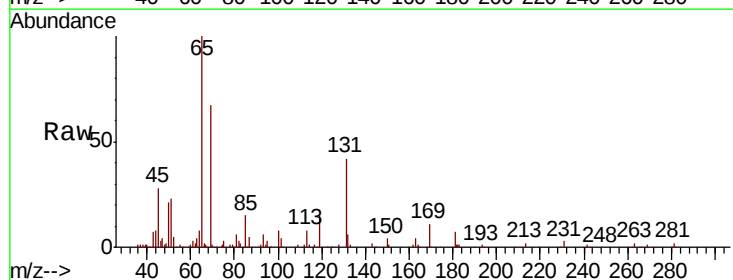
Instrument :
MSVOA_L
ClientSampleId :

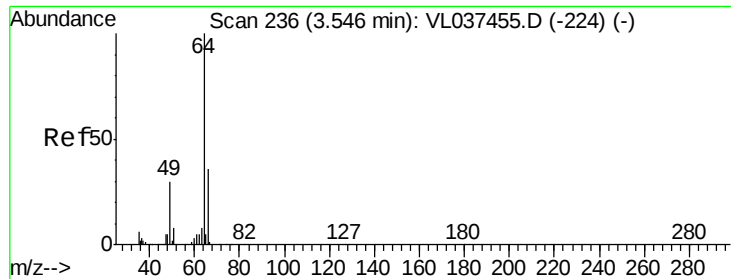
Tot Ion: 51 Resp: 1598574
Ion Ratio Lower Upper
51 100
67 5.9 14.2 21.2#



#4
Chloromethane
Concen: 0.423 ppbv
RT: 3.14 min Scan# 110
Delta R.T. 0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 50 Resp: 40464
Ion Ratio Lower Upper
50 100
52 26.3 24.0 36.0





#7

Chloroethane

Concen: 0.149 ppbv

RT: 3.56 min Scan# 241

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

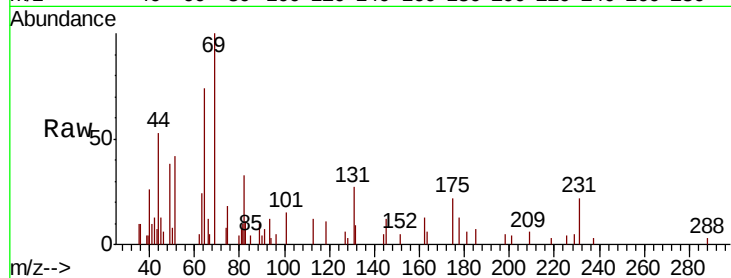
ClientSampleId :

Tot Ion: 64 Resp: 4999

Ion Ratio Lower Upper

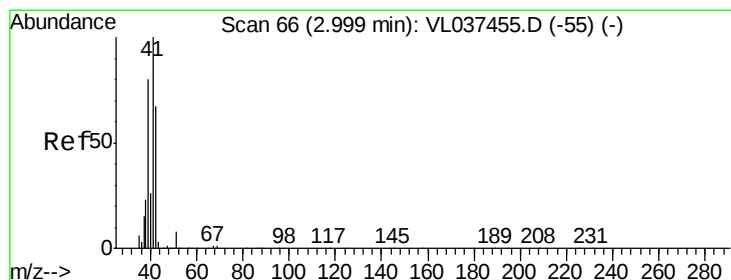
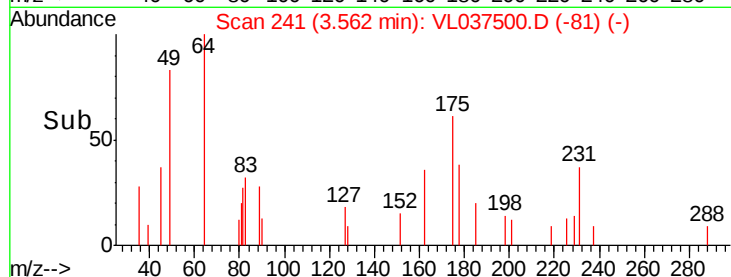
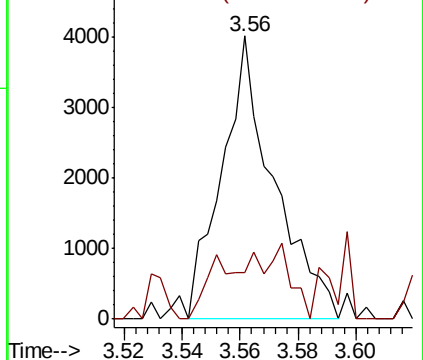
64 100

66 22.7 28.6 43.0#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#9

Propene

Concen: 2.003 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037500.D

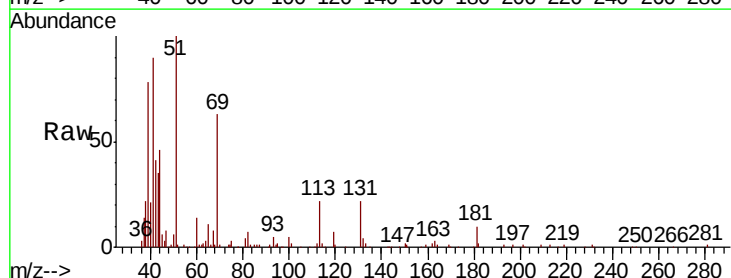
Acq: 19 Aug 2021 15:56

Tgt Ion: 41 Resp: 191900

Ion Ratio Lower Upper

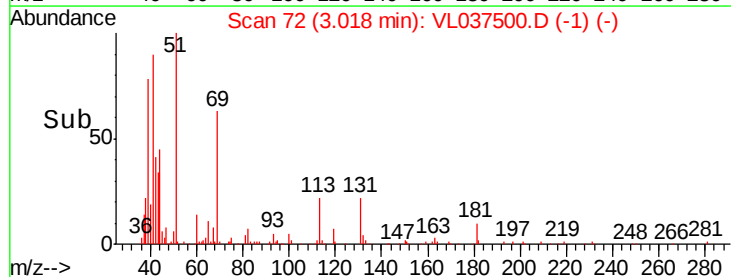
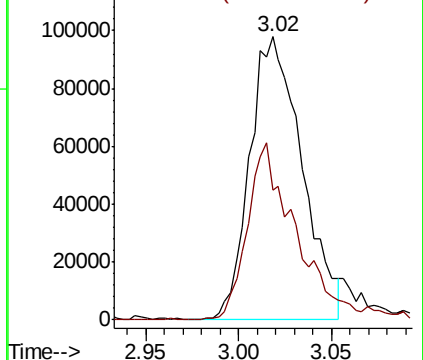
41 100

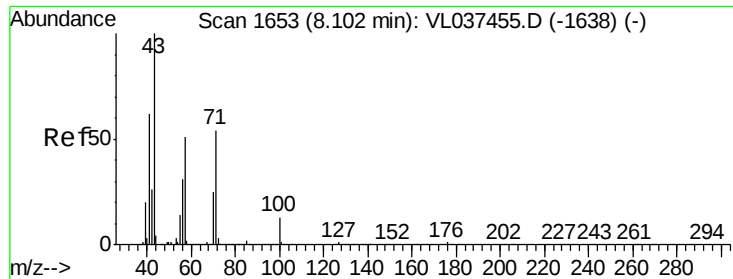
42 60.3 53.7 80.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

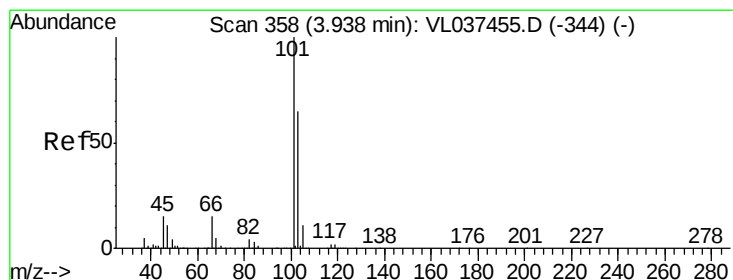
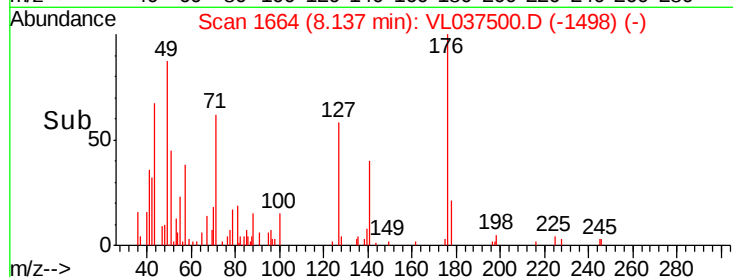
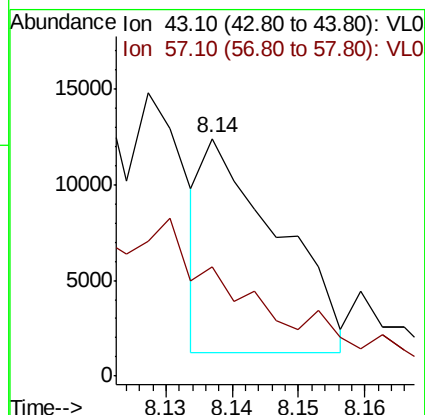
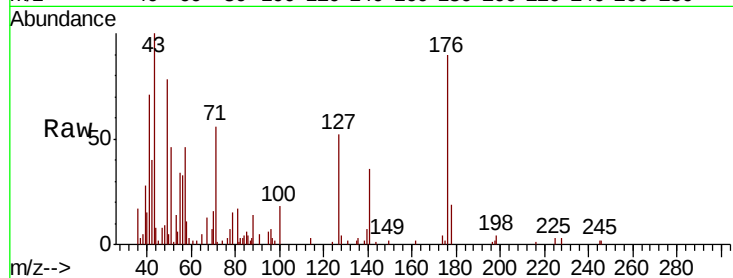




#10
 Heptane
 Concen: 0.040 ppbv
 RT: 8.14 min Scan# 1664
 Delta R.T. 0.04 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

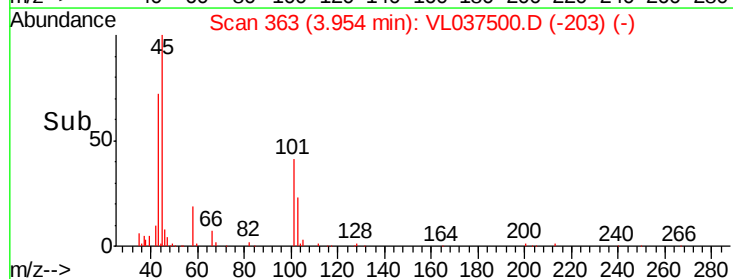
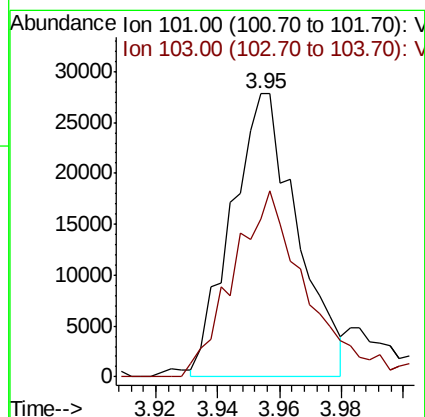
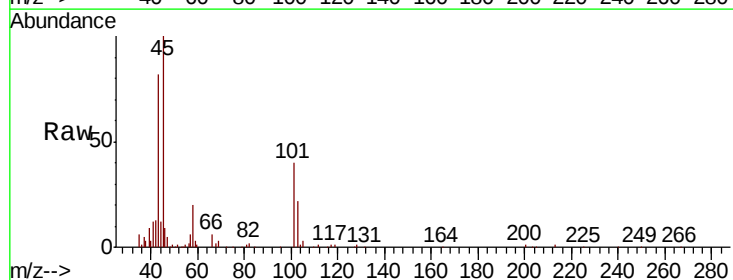
Instrument :
 MSVOA_L
 ClientSampled :

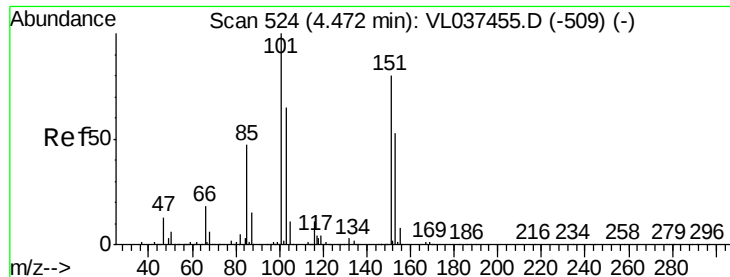
Tot Ion: 43 Resp: 8765
 Ion Ratio Lower Upper
 43 100
 57 0.0 41.0 61.6#



#11
 Trichlorofluoromethane
 Concen: 0.196 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.02 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt Ion: 101 Resp: 41352
 Ion Ratio Lower Upper
 101 100
 103 52.3 51.8 77.6





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.038 ppbv

RT: 4.49 min Scan# 529

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

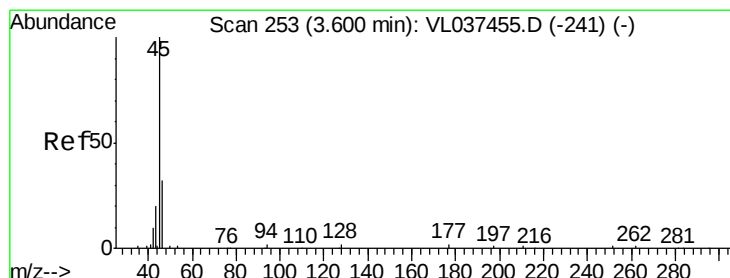
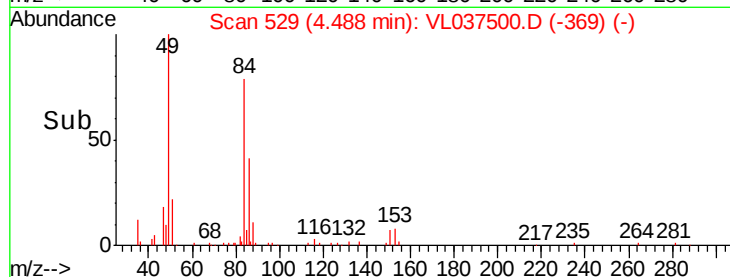
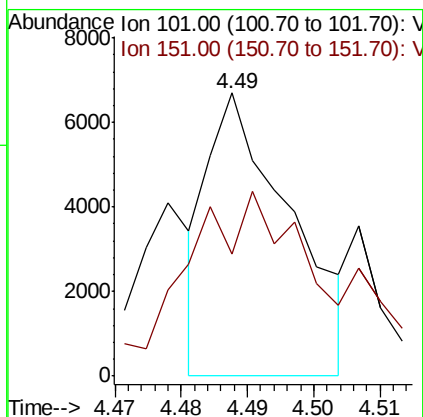
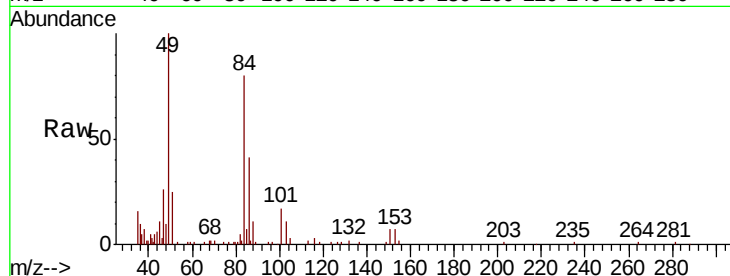
ClientSampleId :

Tot Ion:101 Resp: 5839

Ion Ratio Lower Upper

101 100

151 139.0 63.7 95.5#



#13

Ethanol

Concen: 419.791 ppbv

RT: 3.61 min Scan# 255

Delta R.T. 0.01 min

Lab File: VL037500.D

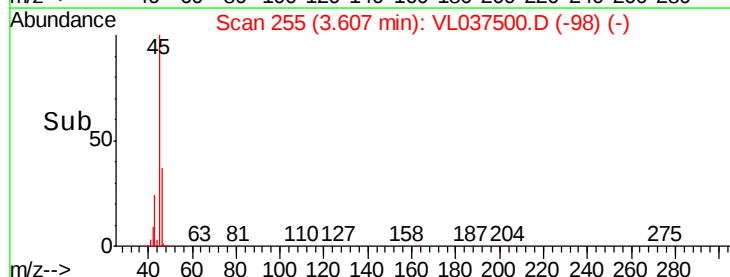
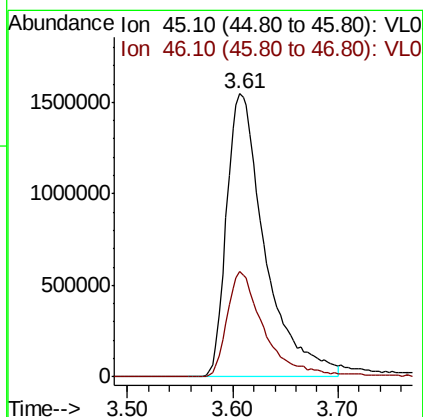
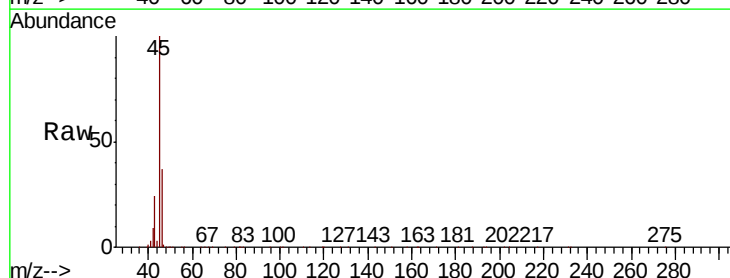
Acq: 19 Aug 2021 15:56

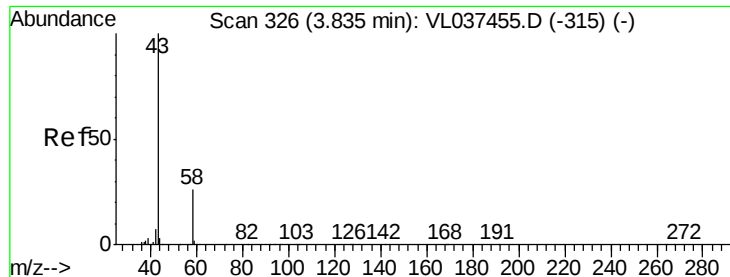
Tgt Ion: 45 Resp: 3914518

Ion Ratio Lower Upper

45 100

46 36.9 14.1 56.5

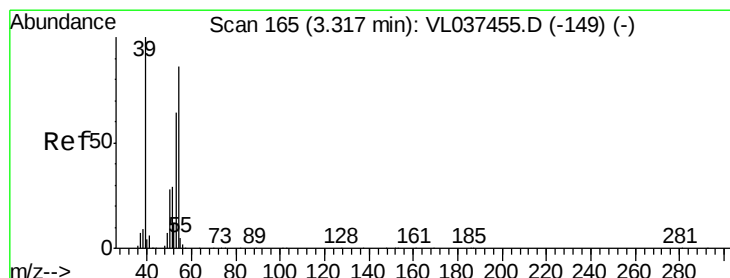
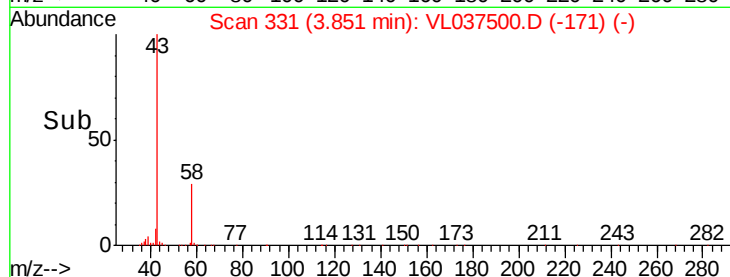
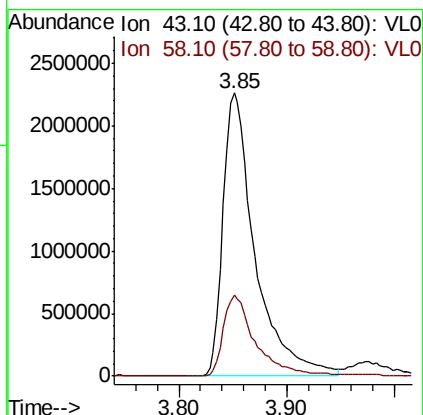
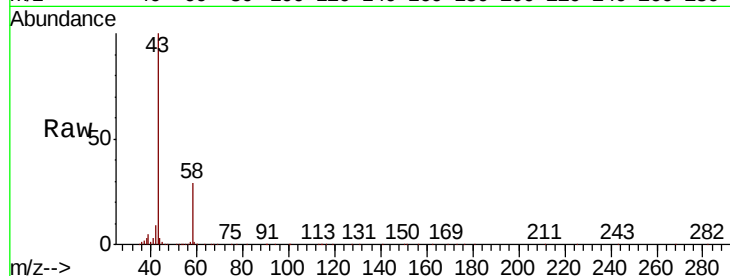




#15
Acetone
Concen: 32.811 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

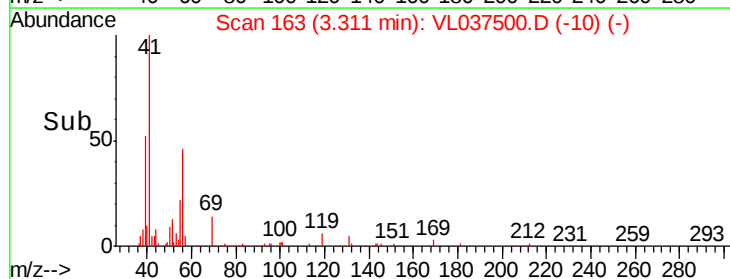
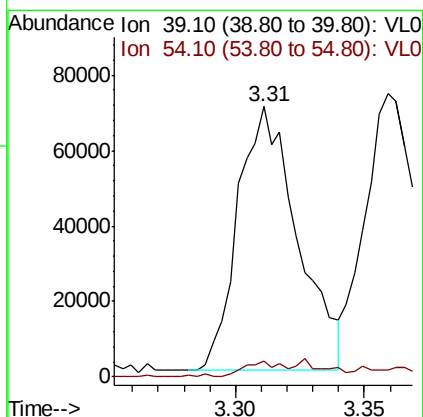
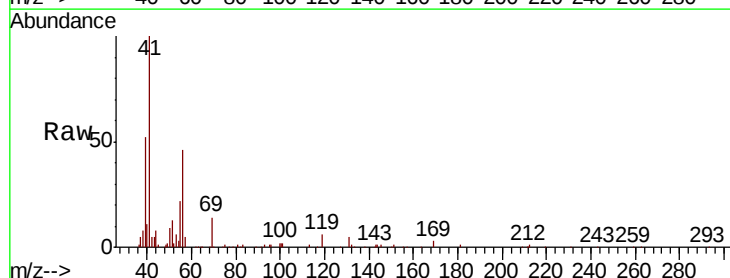
Instrument :
MSVOA_L
ClientSampleId :

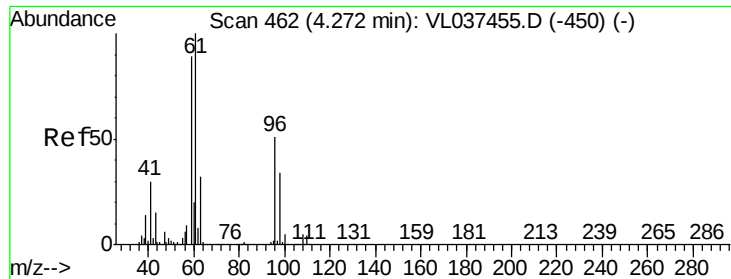
Tot Ion: 43 Resp: 4670454
Ion Ratio Lower Upper
43 100
58 30.0 24.8 37.2



#16
1,3-Butadiene
Concen: 1.236 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.01 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 39 Resp: 112887
Ion Ratio Lower Upper
39 100
54 5.8 63.7 95.5#



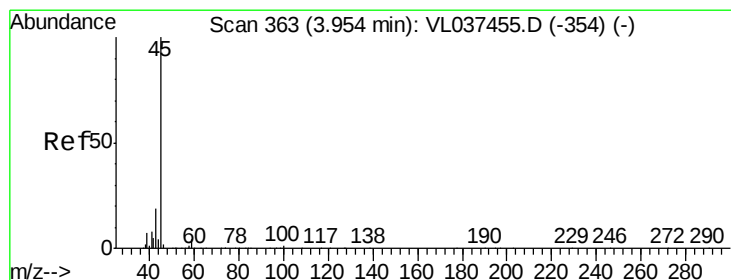
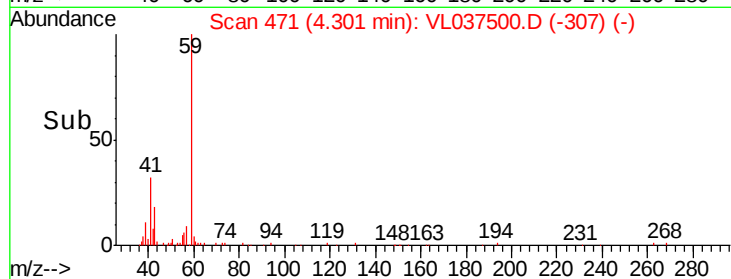
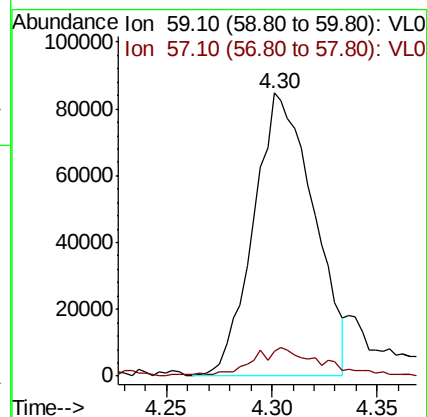
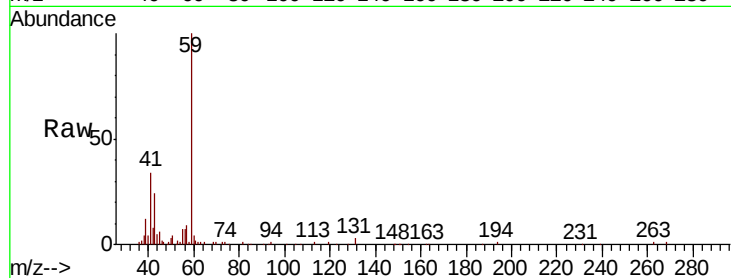


#17

tert-Butyl alcohol
Concen: 1.284 ppbv
RT: 4.30 min Scan# 471
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :

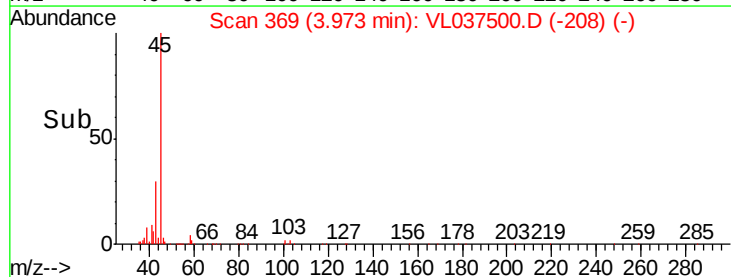
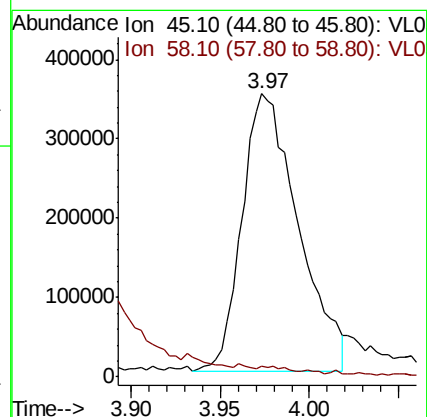
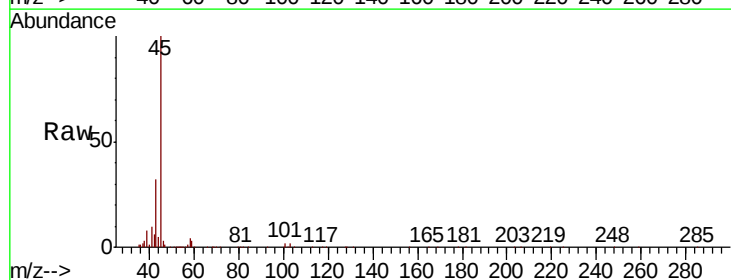
Tot Ion: 59 Resp: 166916
Ion Ratio Lower Upper
59 100
57 12.2 8.3 12.5

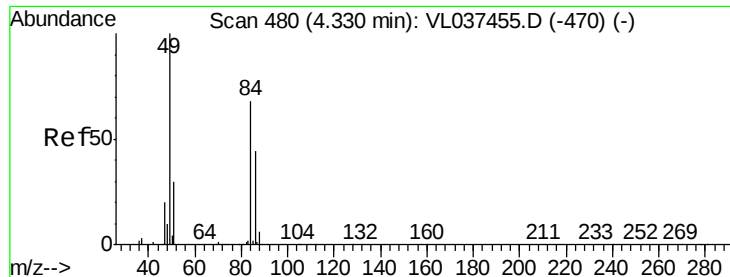


#19

Isopropyl Alcohol
Concen: 9.434 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 45 Resp: 769358
Ion Ratio Lower Upper
45 100
58 182.1 1.4 2.2#

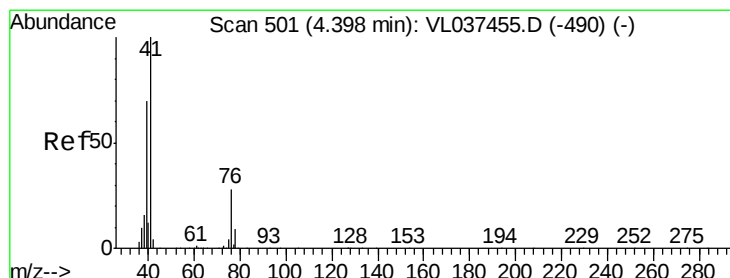
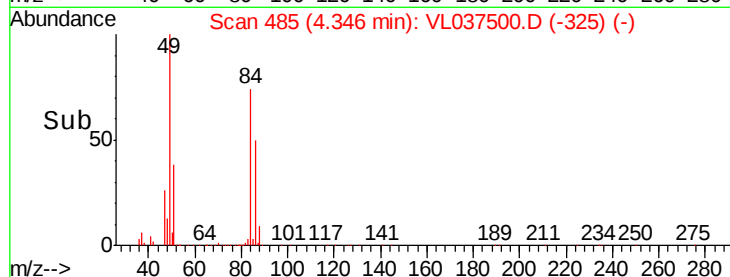
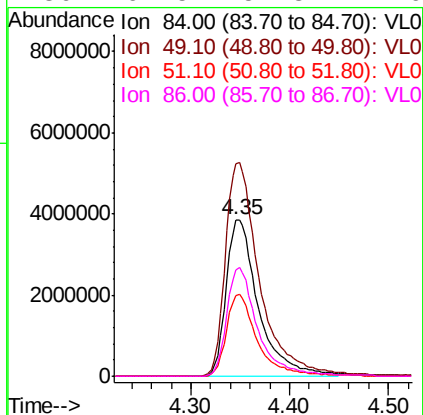
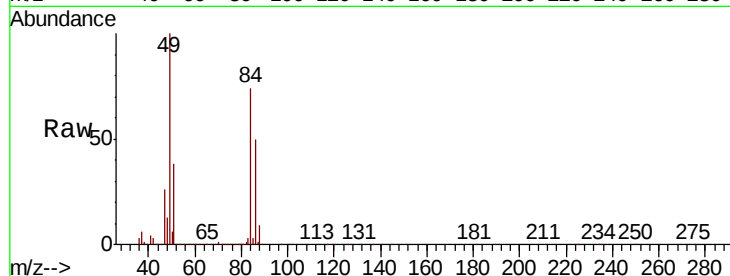




#20
Methylene Chloride
Concen: 123.393 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

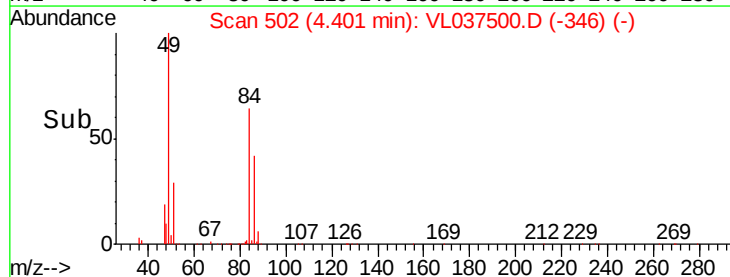
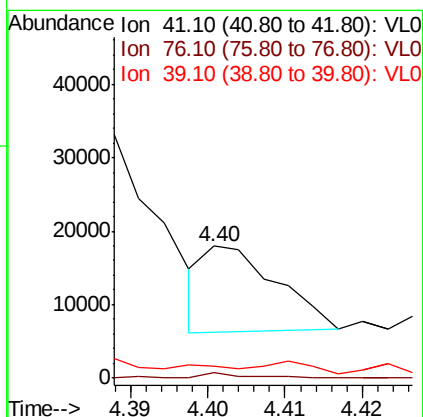
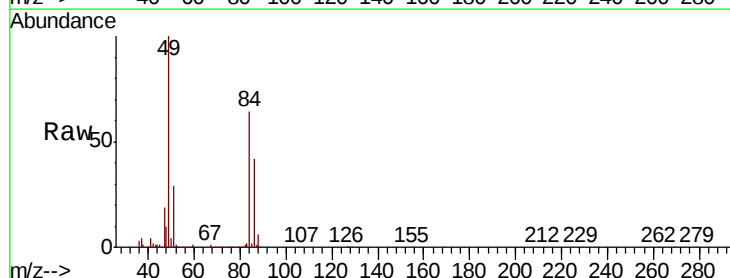
Instrument :
MSVOA_L
ClientSampleId :

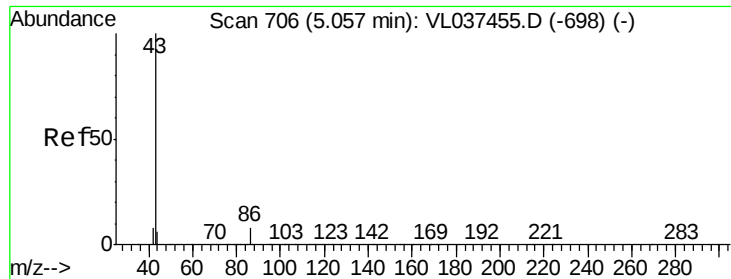
Tot Ion: 84 Resp: 8794076
Ion Ratio Lower Upper
84 100
49 135.8 118.2 177.2
51 51.1 36.6 55.0
86 67.5 51.8 77.6



#21
Allyl Chloride
Concen: 0.066 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 41 Resp: 7630
Ion Ratio Lower Upper
41 100
76 0.0 21.8 32.6#
39 80.7 56.8 85.2





#23

Vinyl Acetate

Concen: 0.128 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 26916

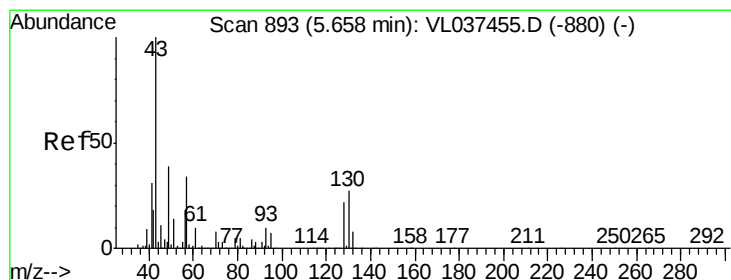
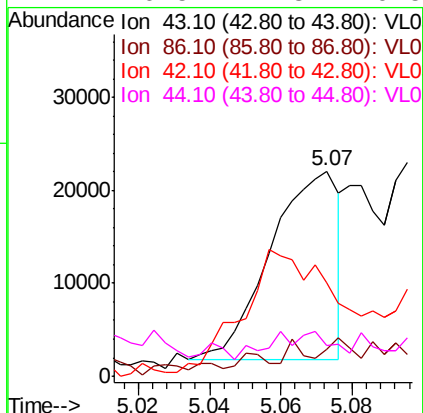
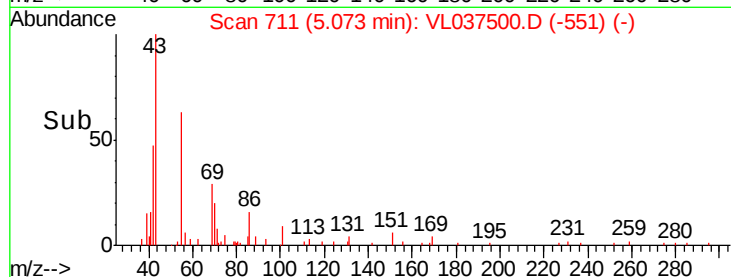
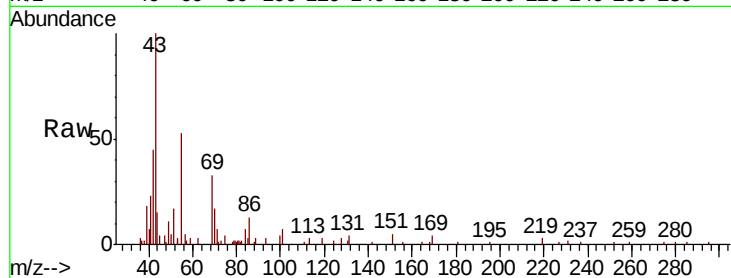
Ion Ratio Lower Upper

43 100

86 11.0 5.7 8.5#

42 42.1 7.4 11.2#

44 6.5 4.3 6.5#



#25

Ethyl Acetate

Concen: 12.053 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.04 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion: 43 Resp: 4355633

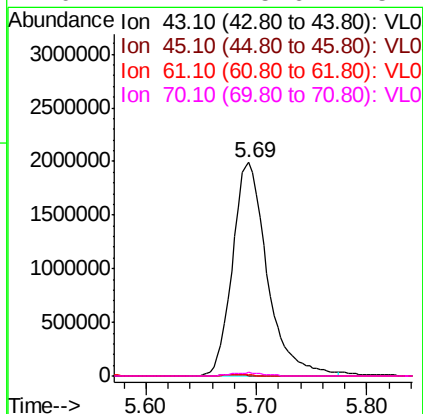
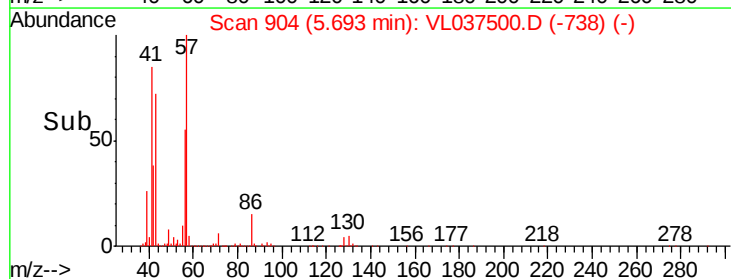
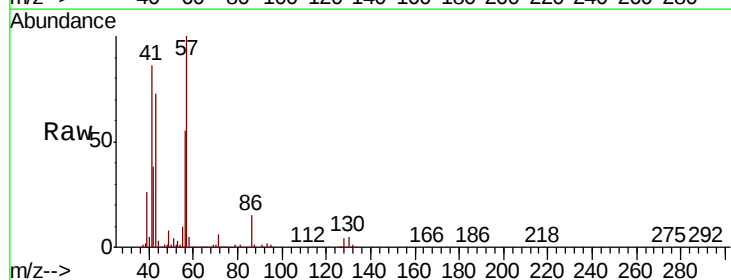
Ion Ratio Lower Upper

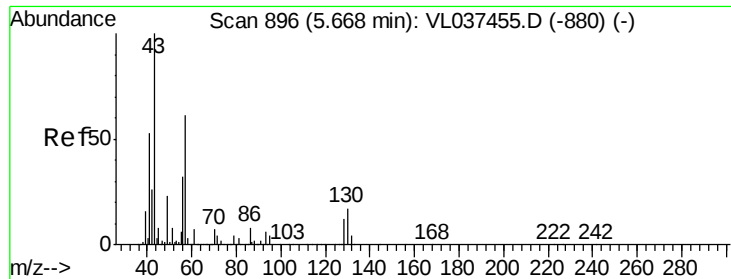
43 100

45 0.6 8.0 12.0#

61 0.6 8.0 12.0#

70 1.7 5.6 8.4#



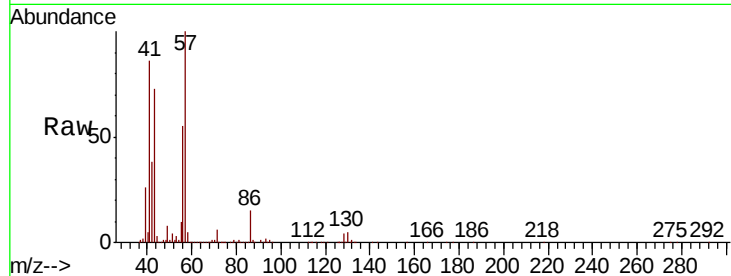


#26
Hexane
Concen: 33.645 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 5944331

Ion	Ratio	Lower	Upper
57	100		
41	87.4	72.3	108.5
43	74.3	172.3	258.5#
56	53.3	42.8	64.2



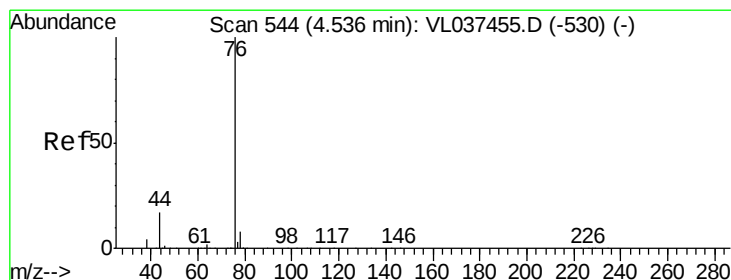
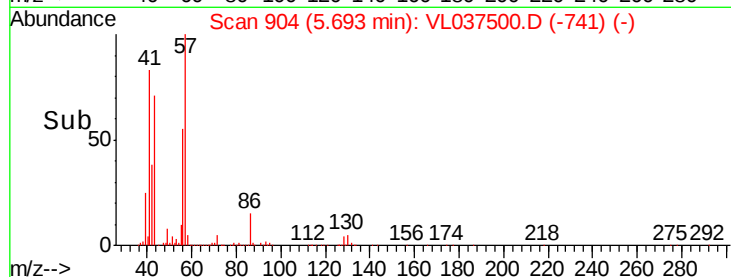
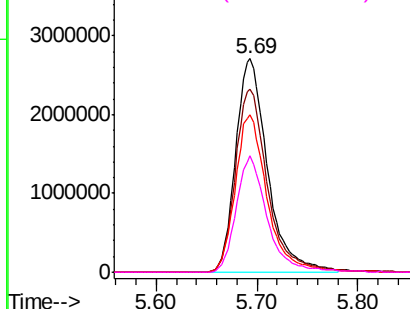
Abundance

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

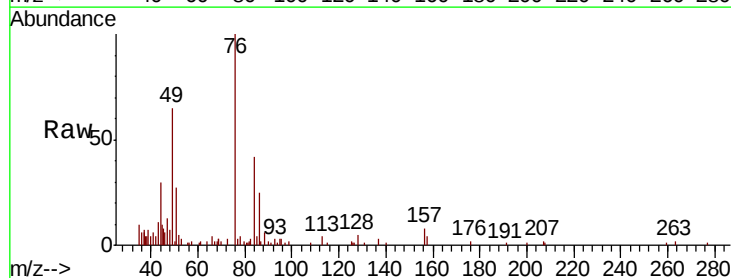
Ion 56.10 (55.80 to 56.80): VL0



#27
Carbon Disulfide
Concen: 0.261 ppbv
RT: 4.56 min Scan# 550
Delta R.T. 0.02 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 76 Resp: 41054

Ion	Ratio	Lower	Upper
76	100		
44	46.0	13.9	20.9#
78	7.3	7.9	11.9#

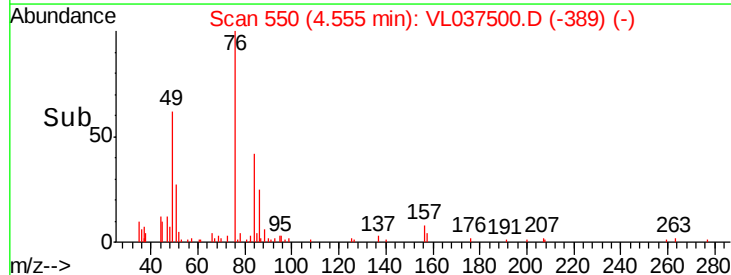
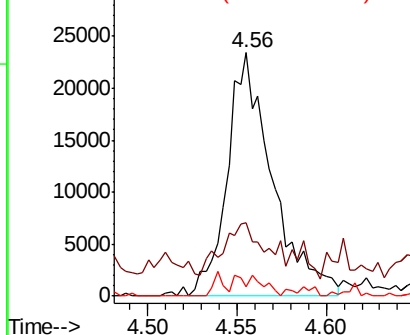


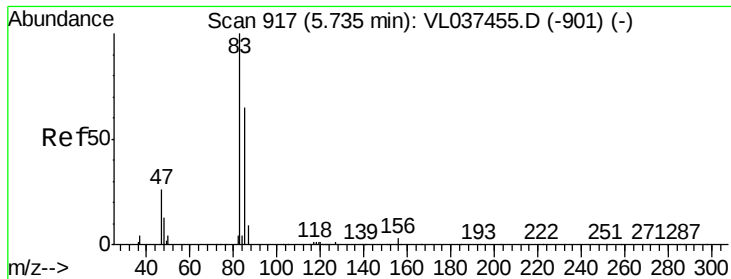
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

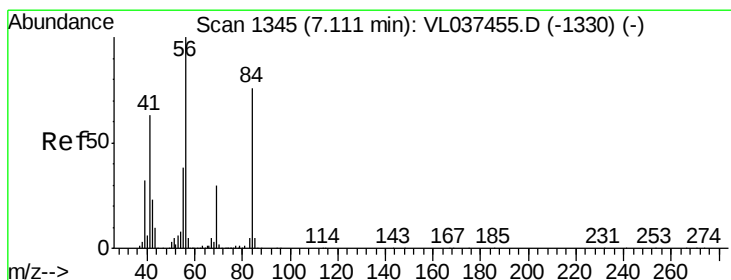
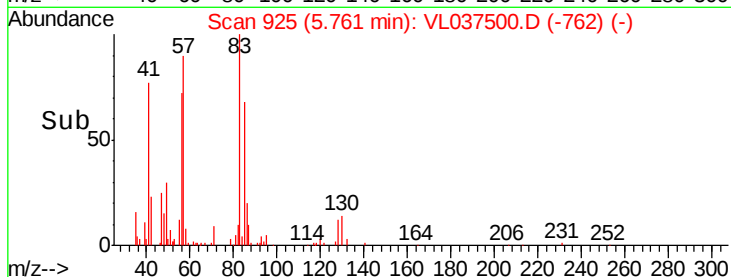
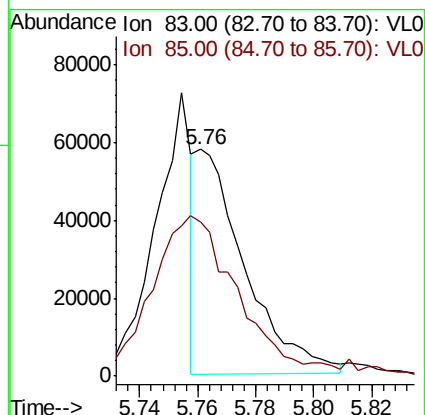
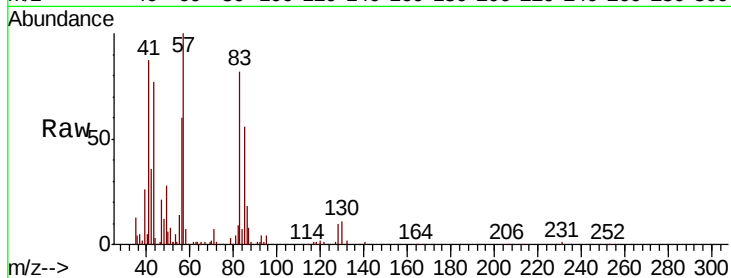




#29
Chloroform
Concen: 0.267 ppbv
RT: 5.76 min Scan# 925
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

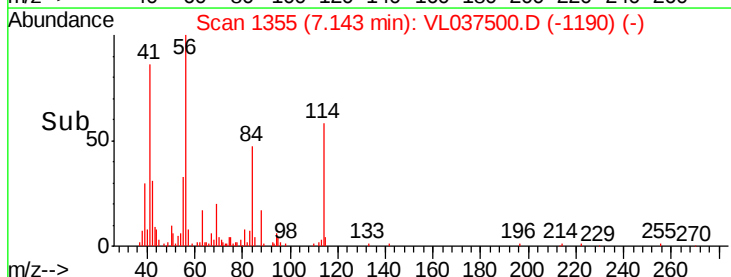
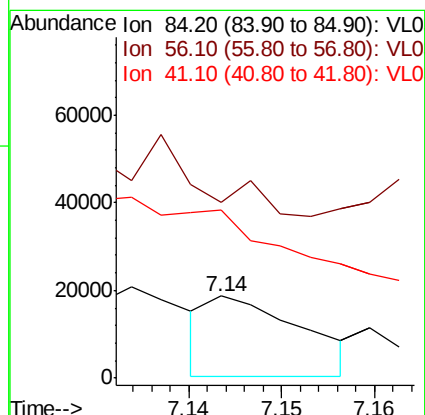
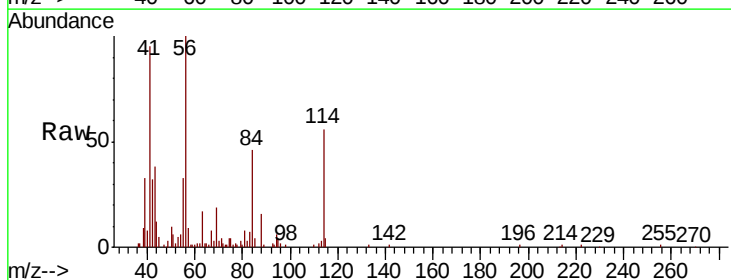
Instrument :
MSVOA_L
ClientSampled :

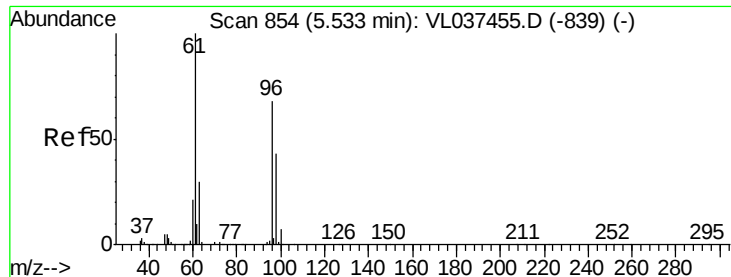
Tot Ion: 83 Resp: 66802
Ion Ratio Lower Upper
83 100
85 68.7 52.3 78.5



#30
Cyclohexane
Concen: 0.088 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 84 Resp: 12893
Ion Ratio Lower Upper
84 100
56 0.0 110.6 165.8#
41 0.0 67.0 100.6#





#31

cis-1,2-Dichloroethene

Concen: 0.094 ppbv

RT: 5.55 min Scan# 860

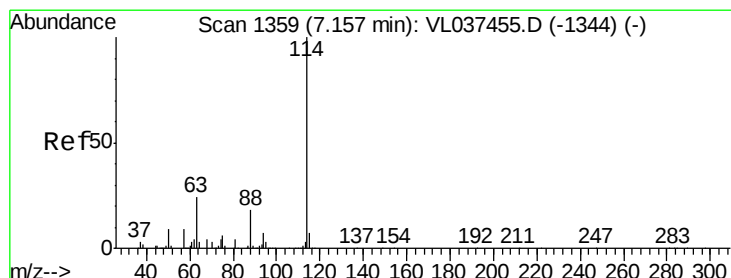
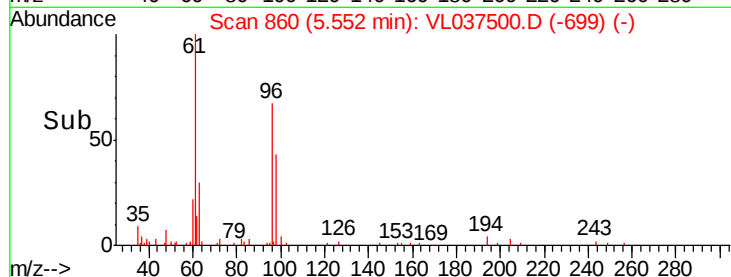
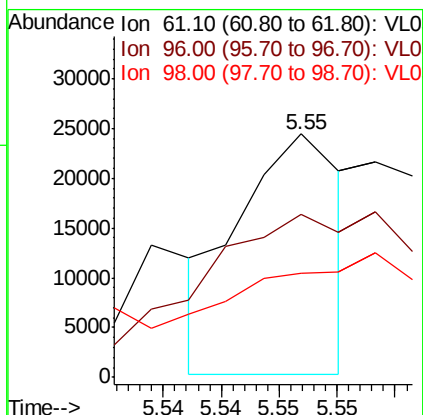
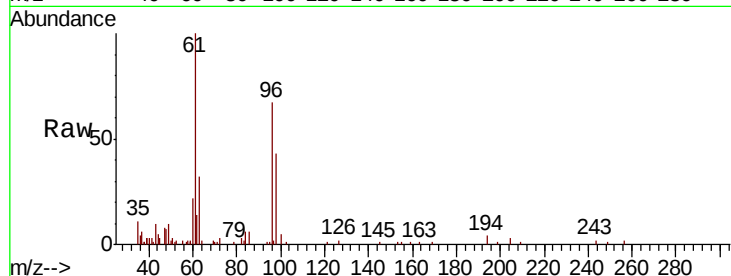
Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	61	Resp:	14977
Ion	Ratio	Lower	Upper
61	100		
96	69.7	54.8	82.2
98	33.1	34.2	51.2#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

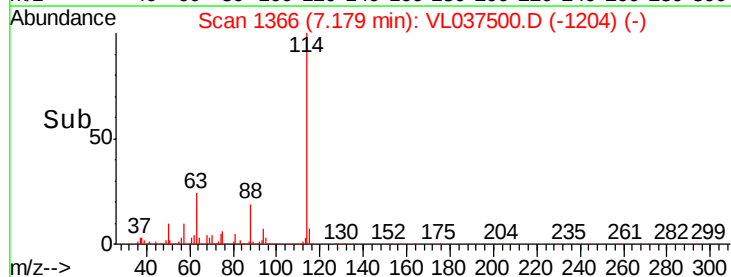
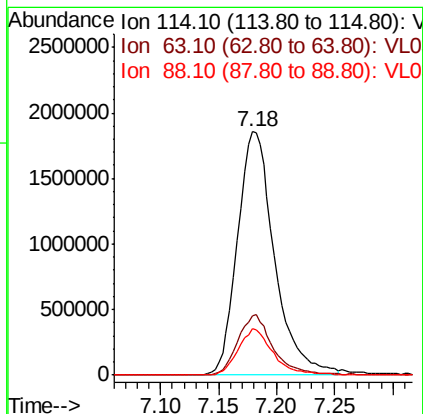
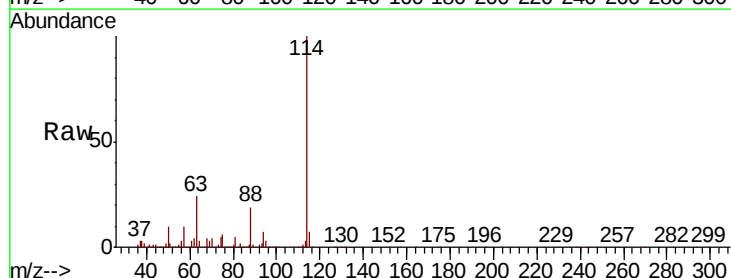
RT: 7.18 min Scan# 1366

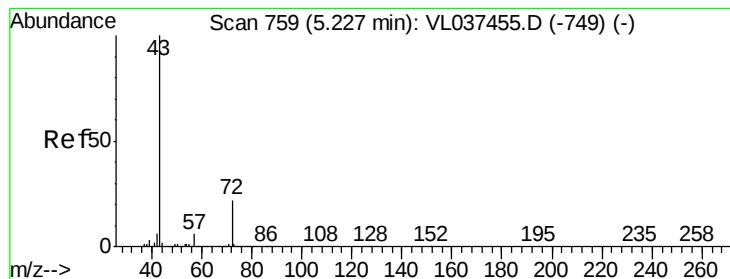
Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion:	114	Resp:	4124230
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.0	14.2	21.4





#34

2-Butanone

Concen: 2.250 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

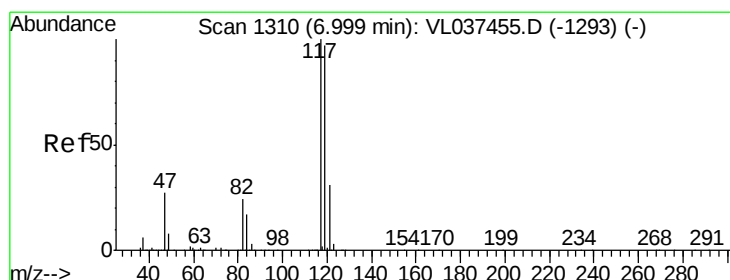
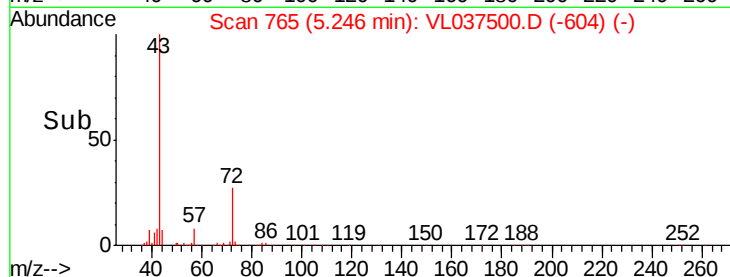
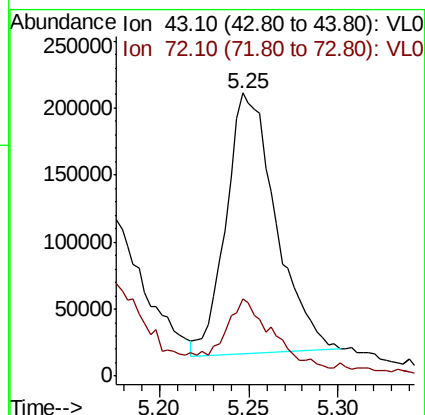
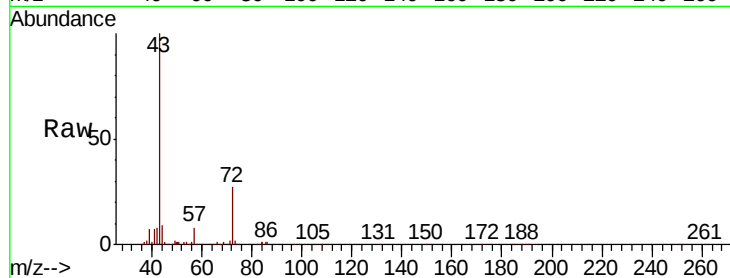
ClientSampleId :

Tot Ion: 43 Resp: 378874

Ion Ratio Lower Upper

43 100

72 36.6 17.4 26.0#



#35

Carbon Tetrachloride

Concen: 0.044 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

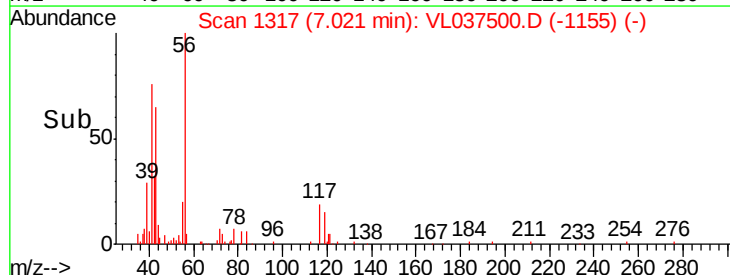
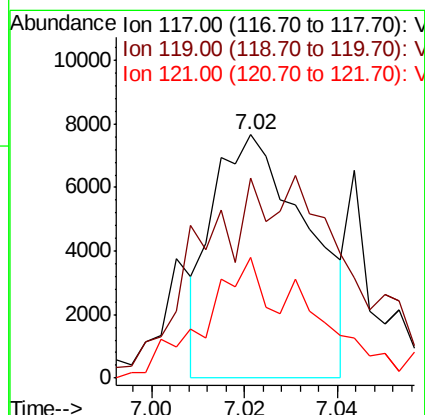
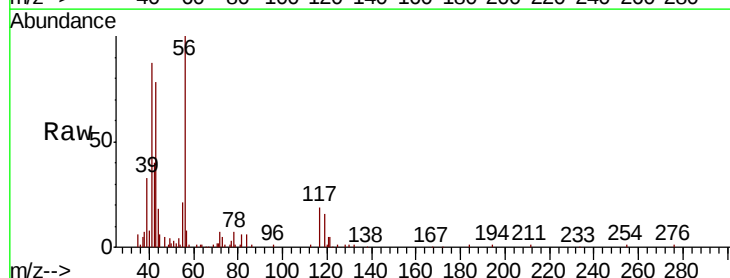
Tgt Ion: 117 Resp: 10834

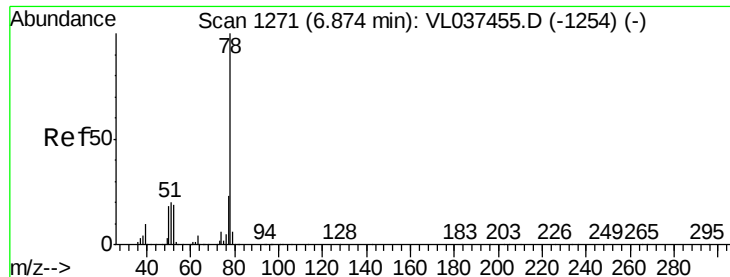
Ion Ratio Lower Upper

117 100

119 53.1 77.3 115.9#

121 55.0 25.2 37.8#





#36

Benzene

Concen: 2.996 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

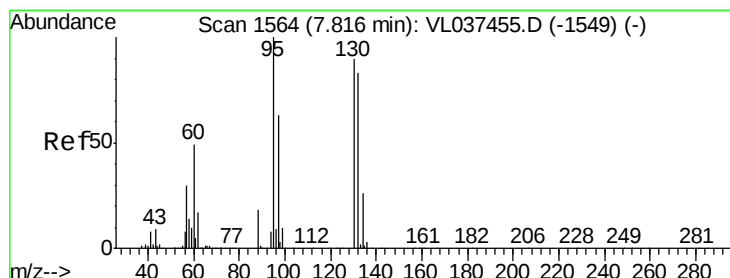
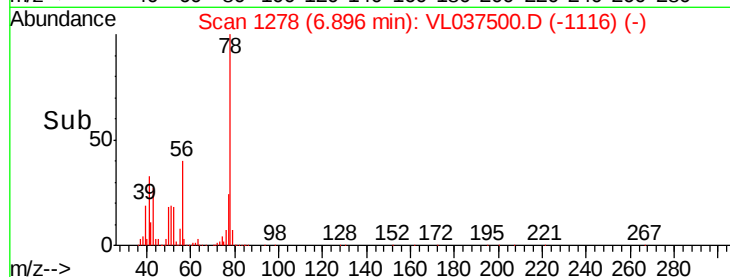
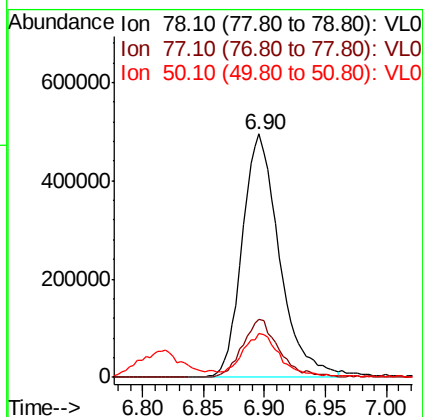
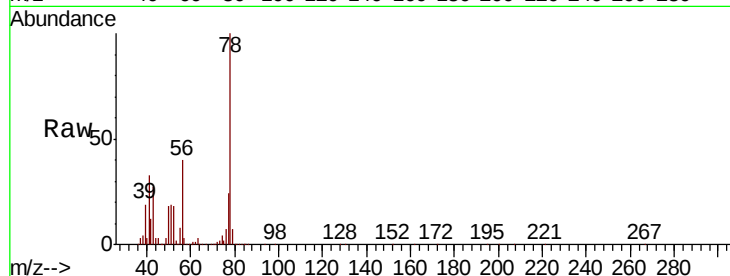
Tot Ion: 78 Resp: 1038699

Ion Ratio Lower Upper

78 100

77 23.9 18.2 27.4

50 17.4 14.6 21.8



#38

Trichloroethene

Concen: 2.456 ppbv

RT: 7.84 min Scan# 1572

Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion: 130 Resp: 349394

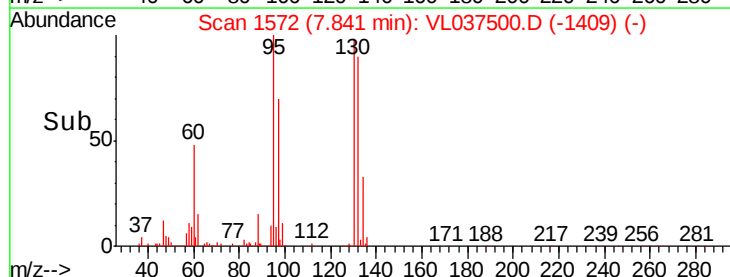
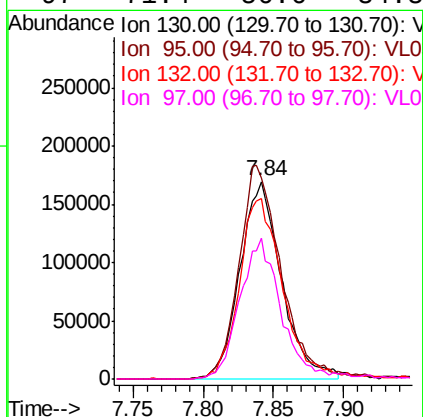
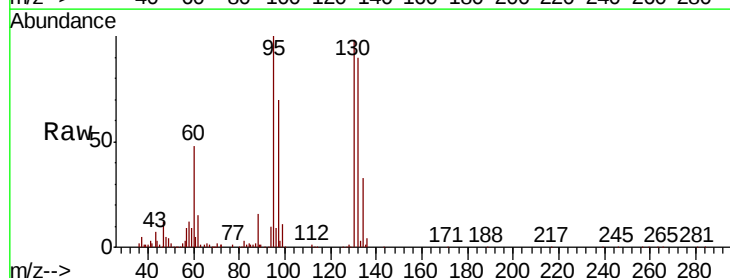
Ion Ratio Lower Upper

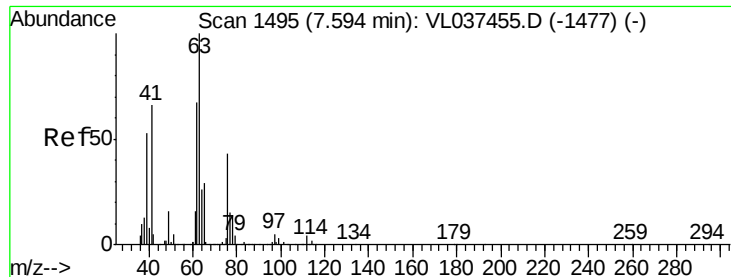
130 100

95 101.9 89.2 133.8

132 91.4 74.0 111.0

97 71.4 56.6 84.8

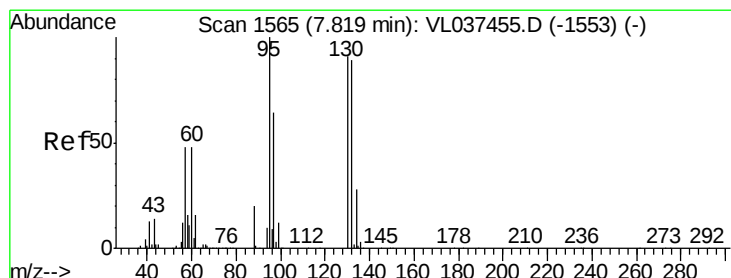
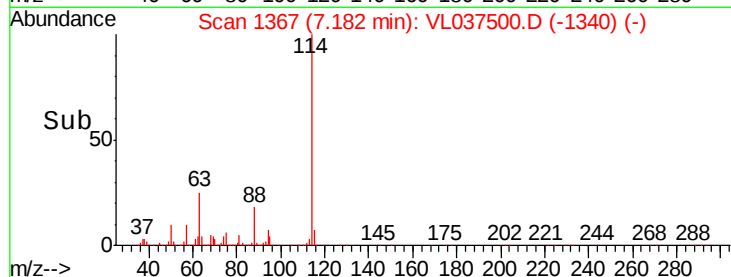
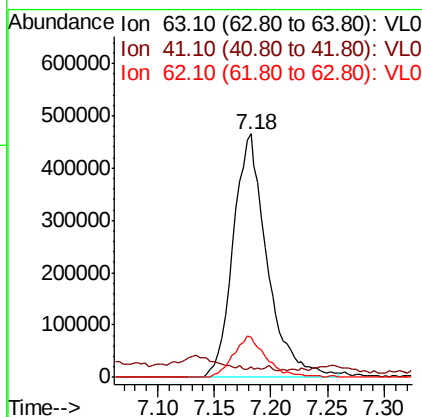
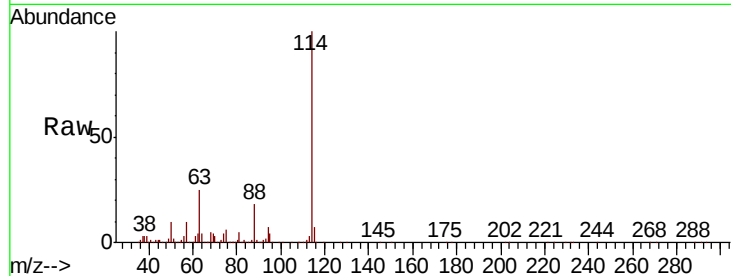




#39
 1,2-Dichloropropane
 Concen: 7.291 ppbv
 RT: 7.18 min Scan# 1367
 Delta R.T. -0.41 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

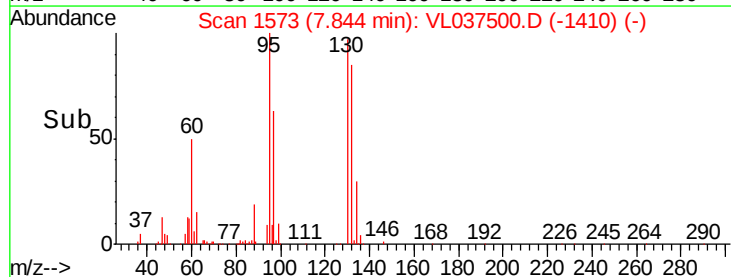
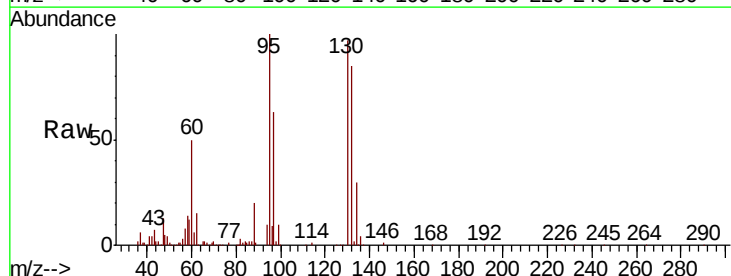
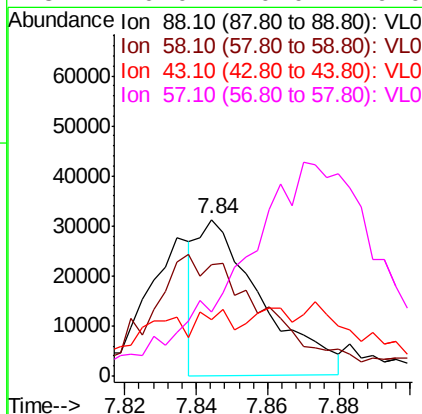
Instrument :
 MSVOA_L
 ClientSampleId :

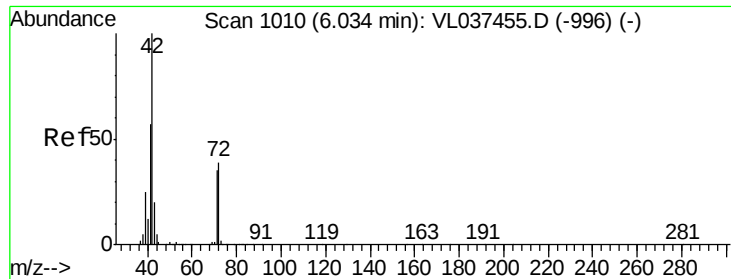
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.4	78.6#
62	16.5	53.6	80.4#



#40
 1,4-Dioxane
 Concen: 1.187 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037500.D
 Acq: 19 Aug 2021 15:56

Tgt 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





#41

Tetrahydrofuran

Concen: 26.949 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.34 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampled :

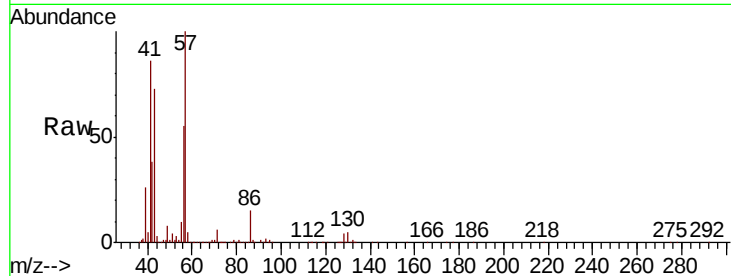
Tot Ion: 42 Resp: 2186403

Ion Ratio Lower Upper

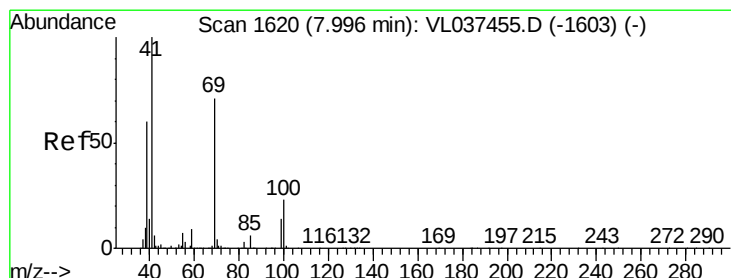
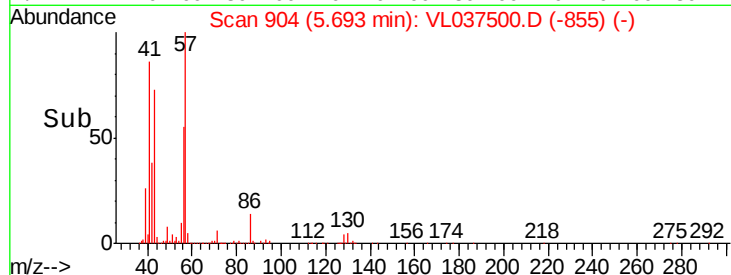
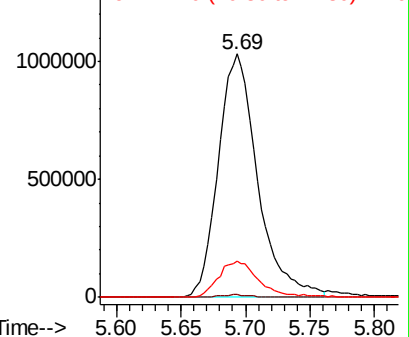
42 100

72 1.0 32.2 48.4#

71 15.3 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



#43

Methyl Methacrylate

Concen: 0.037 ppbv

RT: 8.02 min Scan# 1627

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

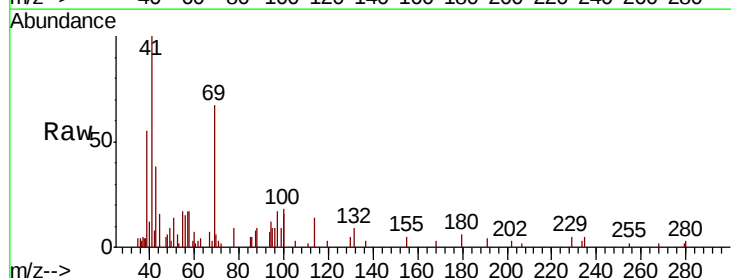
Tgt Ion: 69 Resp: 4473

Ion Ratio Lower Upper

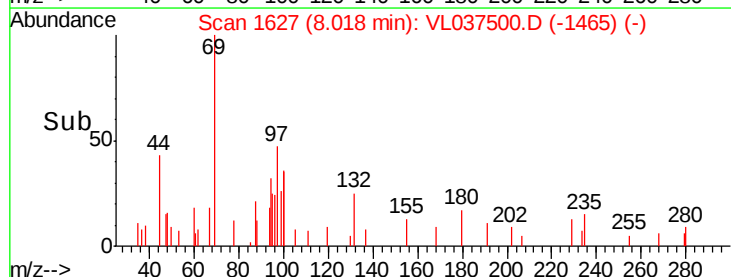
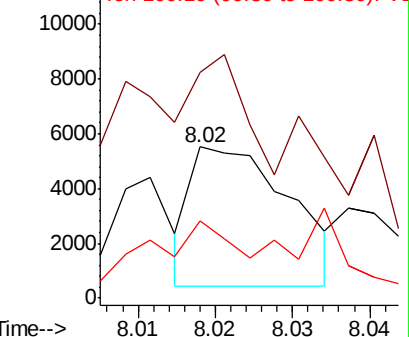
69 100

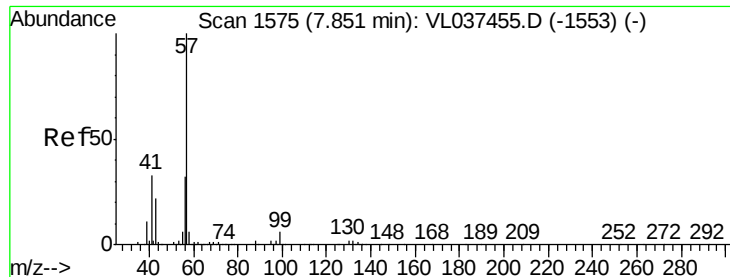
41 134.9 118.6 178.0

100 0.0 27.4 41.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.109 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :
MSVOA_L
ClientSampleId :

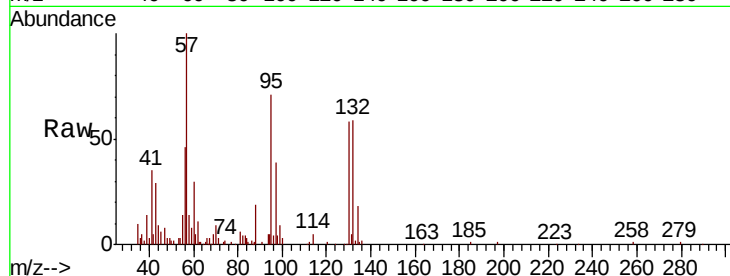
Tot Ion: 57 Resp: 63790

Ion Ratio Lower Upper

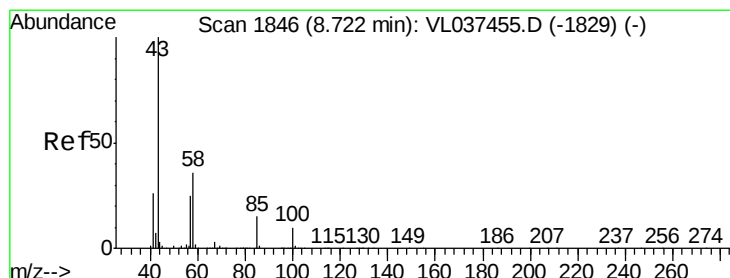
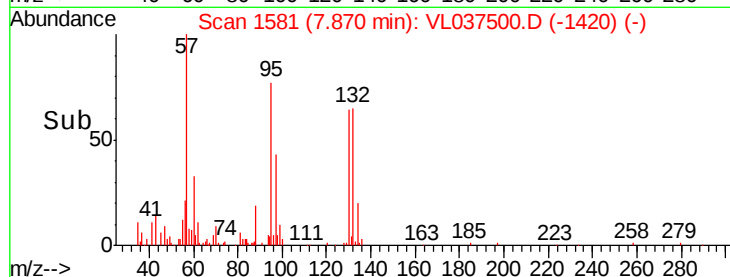
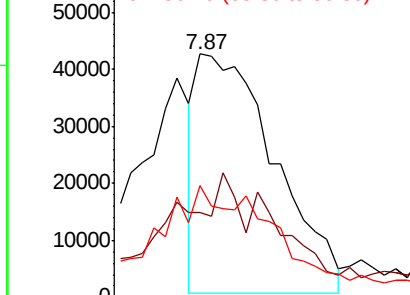
57 100

41 59.6 26.2 39.4#

56 64.2 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: 0.272 ppbv

RT: 8.76 min Scan# 1857

Delta R.T. 0.04 min

Lab File: VL037500.D

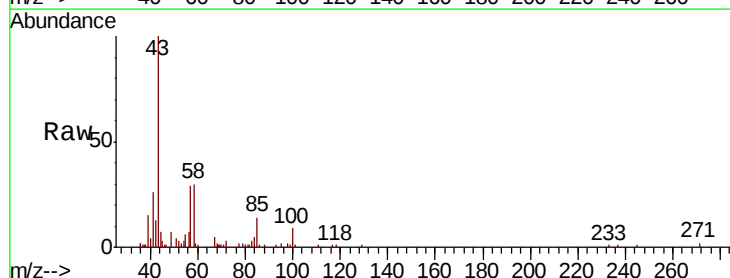
Acq: 19 Aug 2021 15:56

Tgt Ion: 43 Resp: 59743

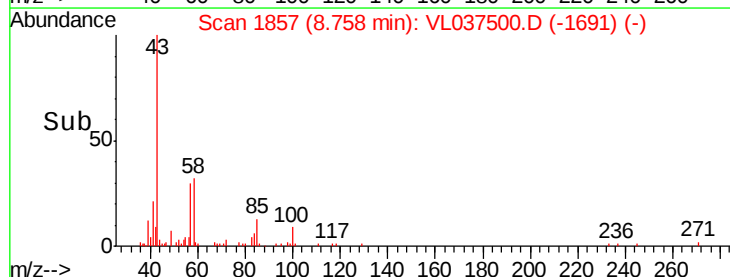
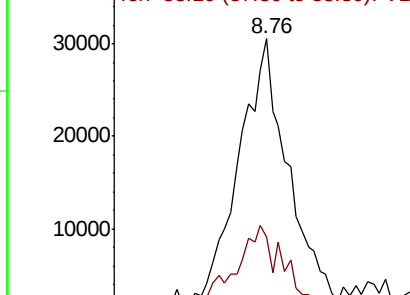
Ion Ratio Lower Upper

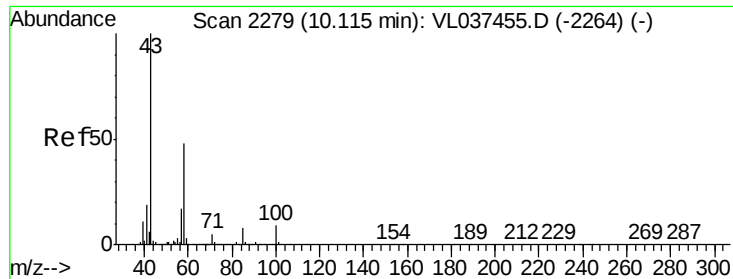
43 100

58 38.6 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

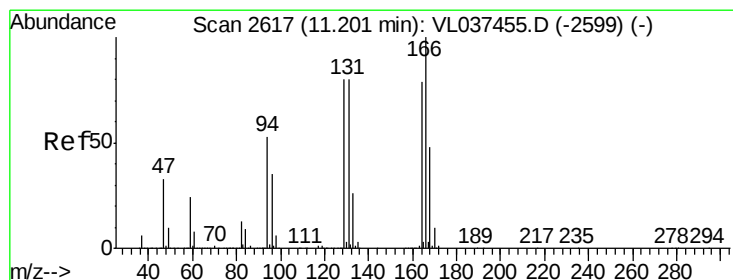
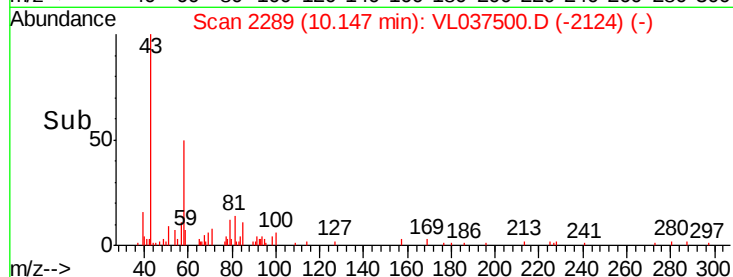
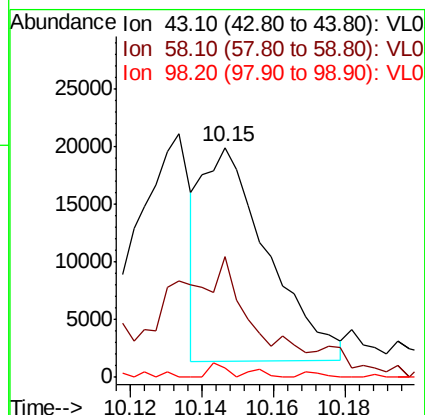
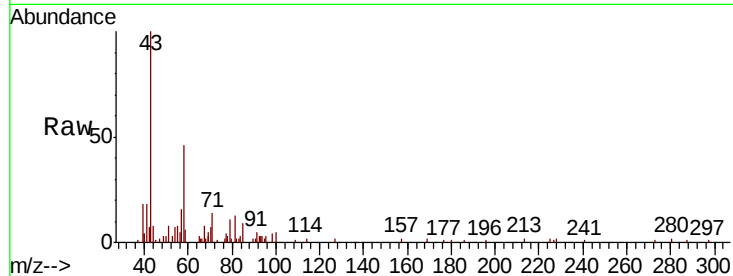




#51
2-Hexanone
Concen: 0.235 ppbv
RT: 10.15 min Scan# 2289
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

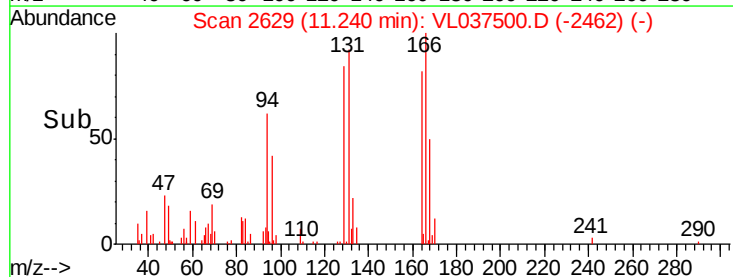
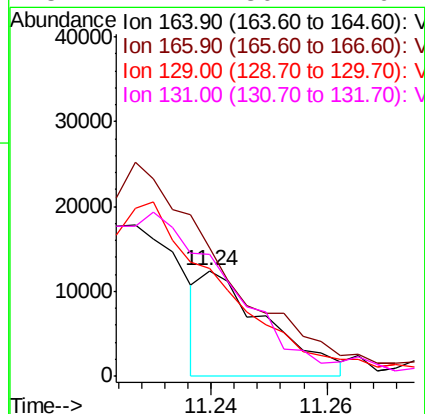
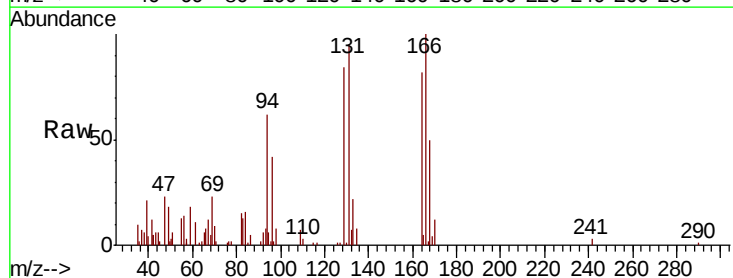
Instrument :
MSVOA_L
ClientSampleId :

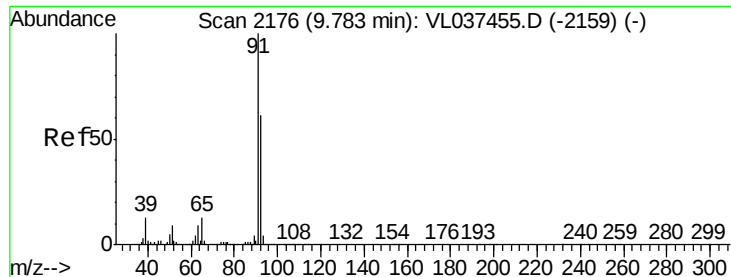
Tot Ion: 43 Resp: 23733
Ion Ratio Lower Upper
43 100
58 94.0 41.0 61.6#
98 3.7 0.3 0.5#



#52
Tetrachloroethene
Concen: 0.068 ppbv
RT: 11.24 min Scan# 2629
Delta R.T. 0.04 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 164 Resp: 9706
Ion Ratio Lower Upper
164 100
166 117.2 100.7 151.1
129 99.9 80.9 121.3
131 117.2 80.2 120.4





#53

Toluene

Concen: 1.006 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

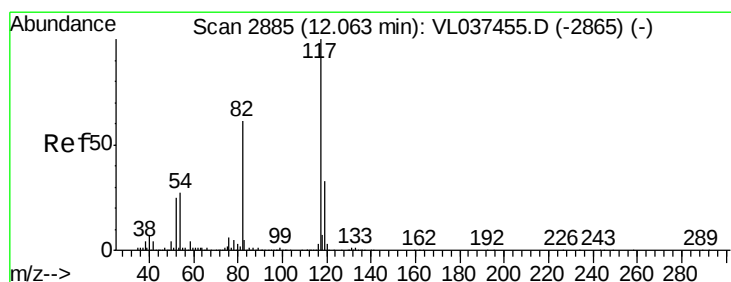
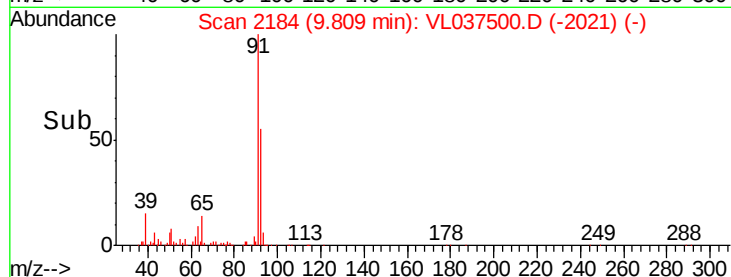
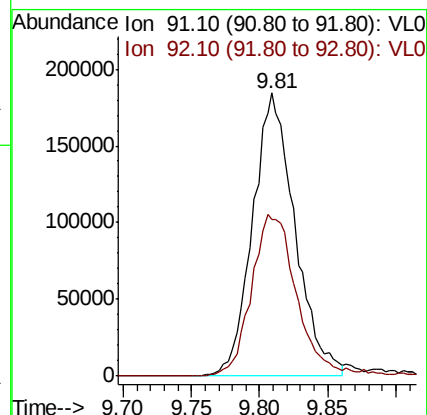
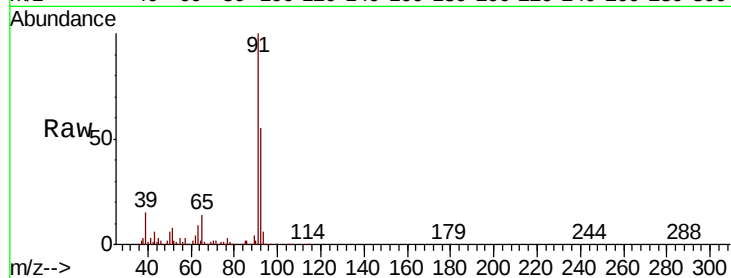
ClientSampleId :

Tot Ion: 91 Resp: 398076

Ion Ratio Lower Upper

91 100

92 61.5 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: VL037500.D

Acq: 19 Aug 2021 15:56

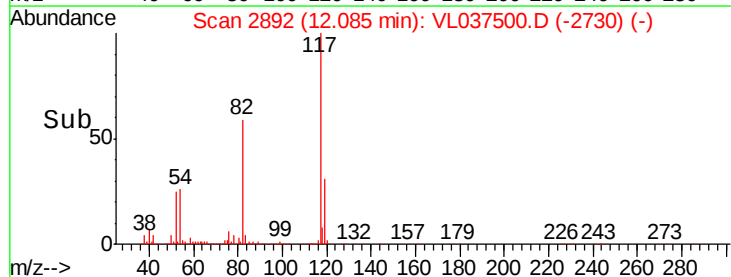
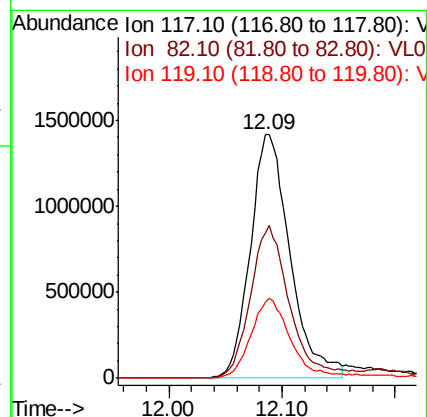
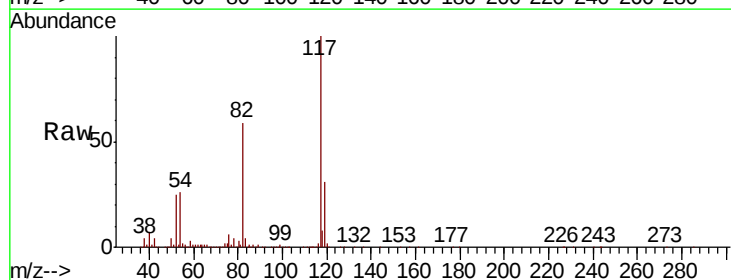
Tgt Ion: 117 Resp: 3467560

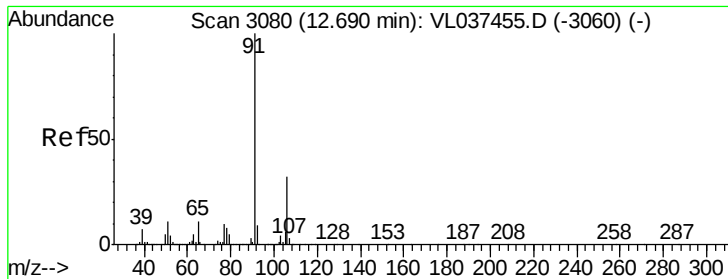
Ion Ratio Lower Upper

117 100

82 62.2 52.9 79.3

119 34.2 24.8 37.2





#58

Ethyl Benzene

Concen: 0.041 ppbv

RT: 12.72 min Scan# 3088

Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

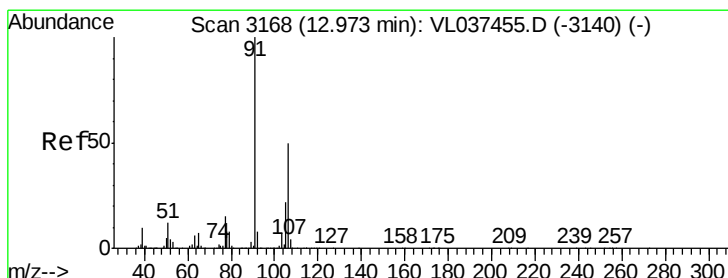
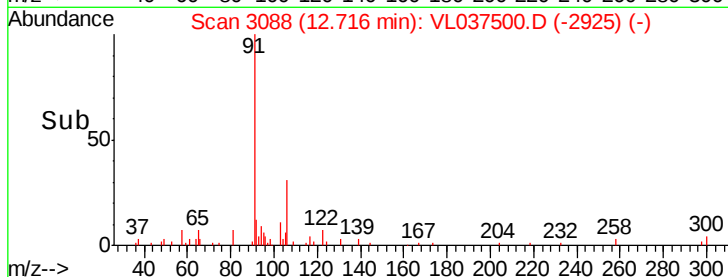
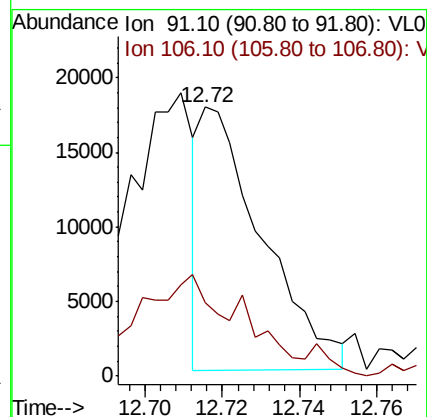
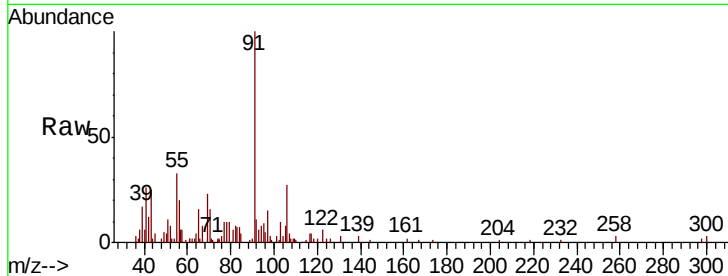
ClientSampleId :

Tot Ion: 91 Resp: 19563

Ion Ratio Lower Upper

91 100

106 28.4 25.7 38.5



#59

m/p-Xylene

Concen: 0.031 ppbv

RT: 13.00 min Scan# 3177

Delta R.T. 0.03 min

Lab File: VL037500.D

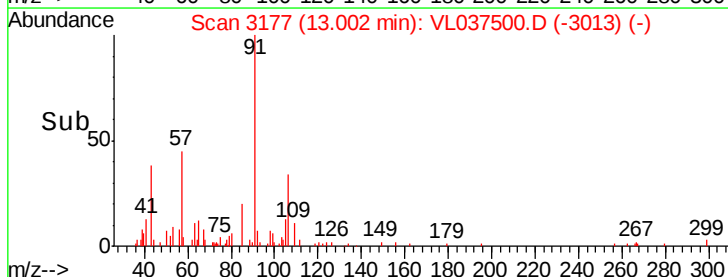
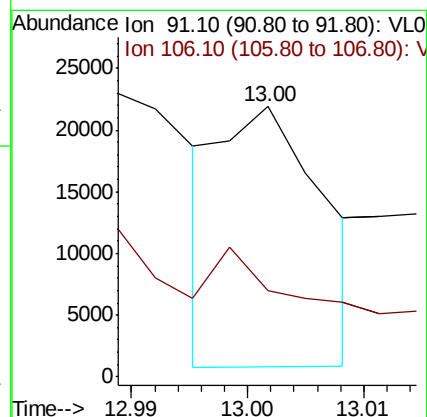
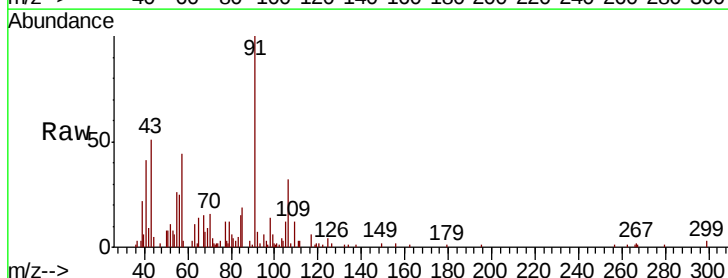
Acq: 19 Aug 2021 15:56

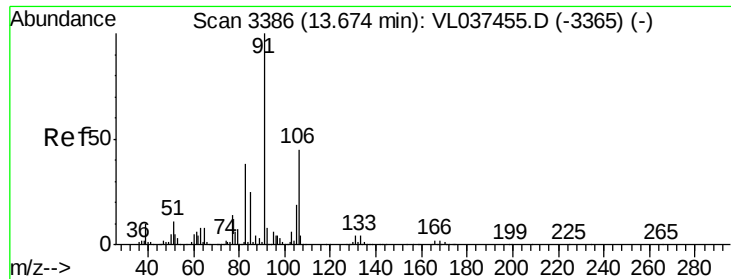
Tgt Ion: 91 Resp: 12934

Ion Ratio Lower Upper

91 100

106 0.0 36.9 55.3#

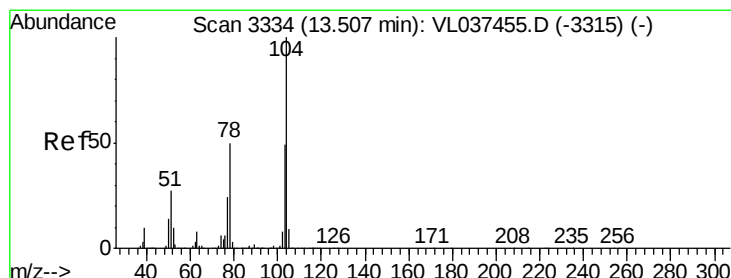
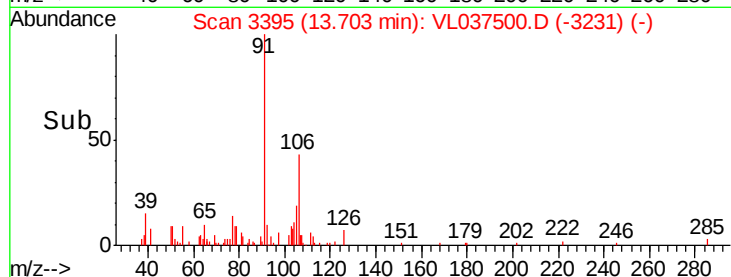
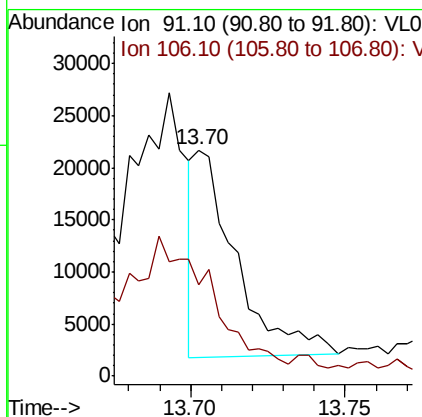
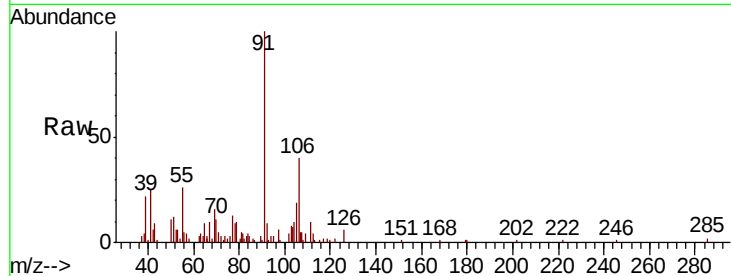




#60
o-Xylene
Concen: 0.047 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

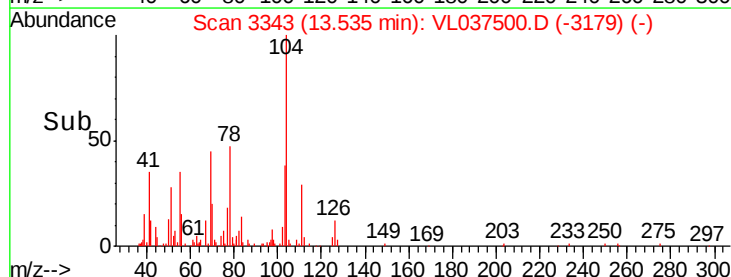
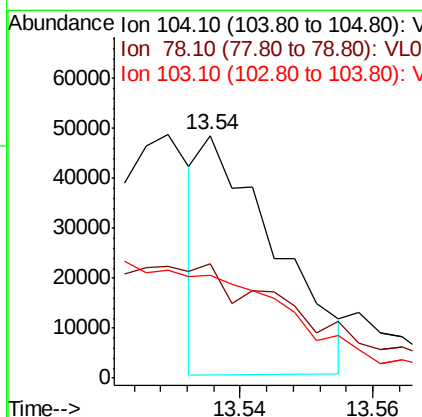
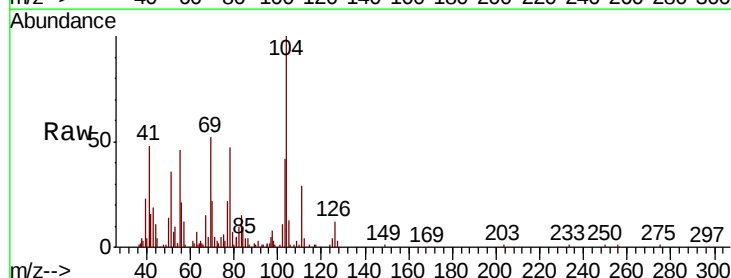
Instrument :
MSVOA_L
ClientSampleId :

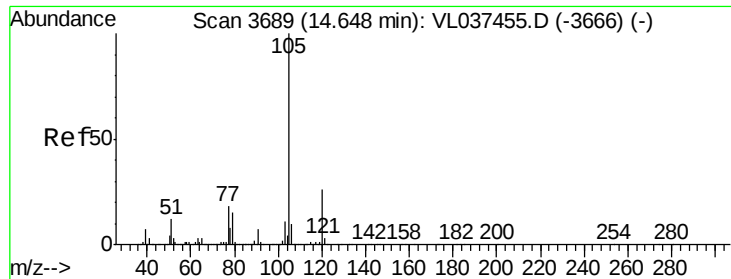
Tot Ion: 91 Resp: 18487
Ion Ratio Lower Upper
91 100
106 0.0 23.7 71.1#



#61
Styrene
Concen: 0.186 ppbv
RT: 13.54 min Scan# 3343
Delta R.T. 0.03 min
Lab File: VL037500.D
Acq: 19 Aug 2021 15:56

Tgt Ion: 104 Resp: 37695
Ion Ratio Lower Upper
104 100
78 171.6 41.3 61.9#
103 0.0 39.4 59.0#





#62

Isopropylbenzene

Concen: 0.691 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

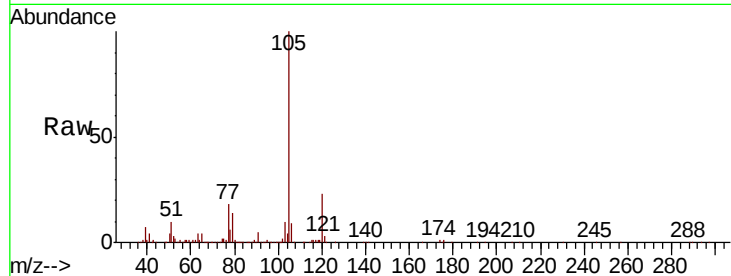
ClientSampleId :

Tot Ion:105 Resp: 379442

Ion Ratio Lower Upper

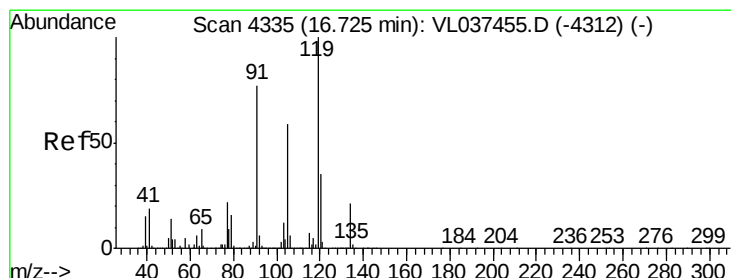
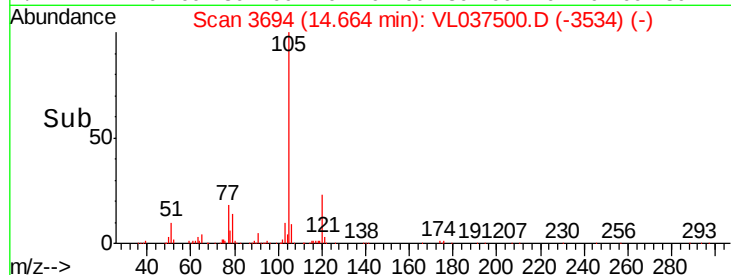
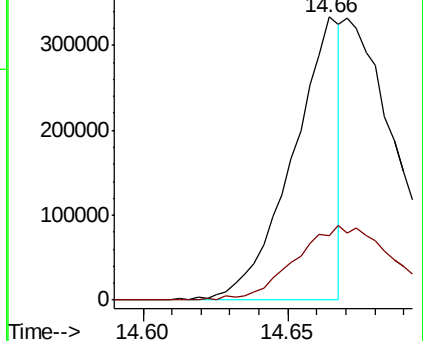
105 100

120 62.5 21.5 32.3#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#65

tert-Butylbenzene

Concen: 0.090 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.04 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

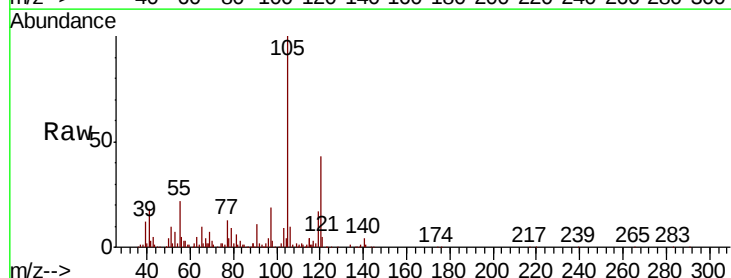
Tgt Ion:119 Resp: 45233

Ion Ratio Lower Upper

119 100

91 89.3 62.9 94.3

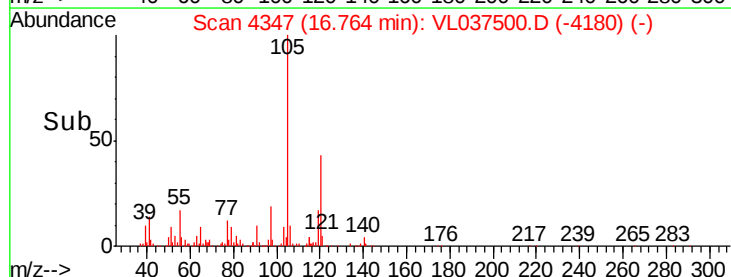
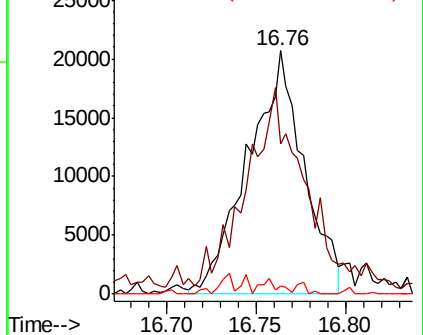
134 2.9 16.4 24.6#

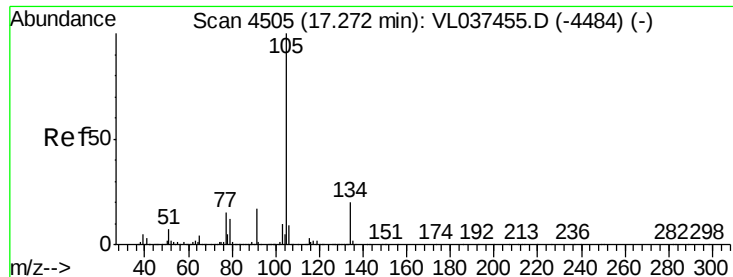


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 134.20 (133.90 to 134.90): V





#67

sec-Butylbenzene

Concen: 0.039 ppbv

RT: 17.30 min Scan# 4515

Delta R.T. 0.03 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

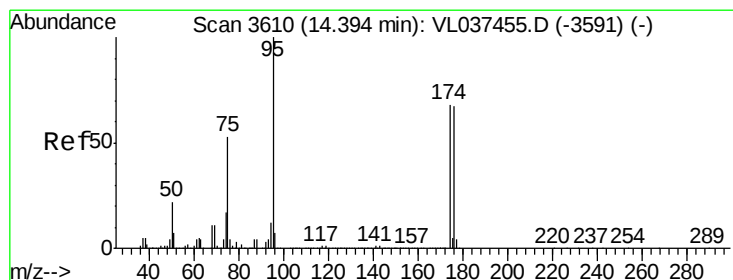
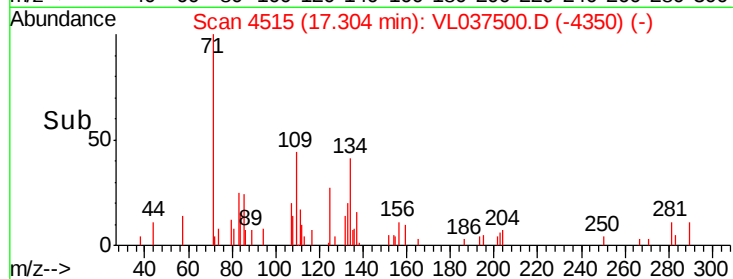
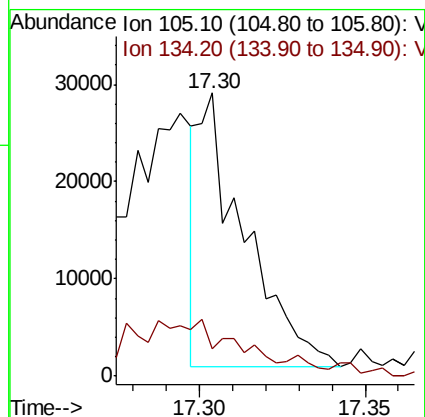
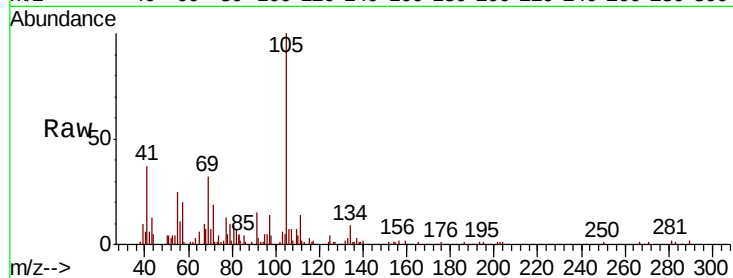
ClientSampleId :

Tot Ion:105 Resp: 27093

Ion Ratio Lower Upper

105 100

134 57.0 15.2 22.8#



#68

1-Bromo-4-Fluorobenzene

Concen: 9.645 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

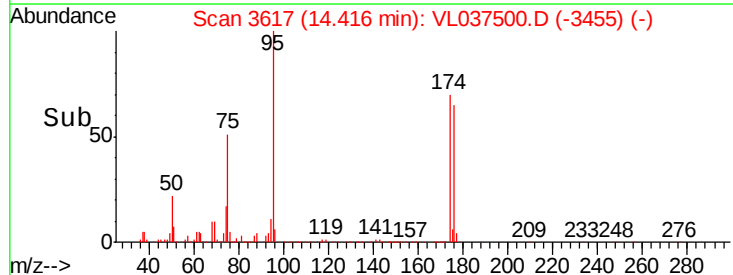
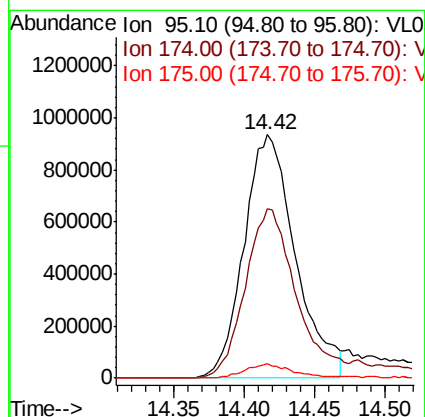
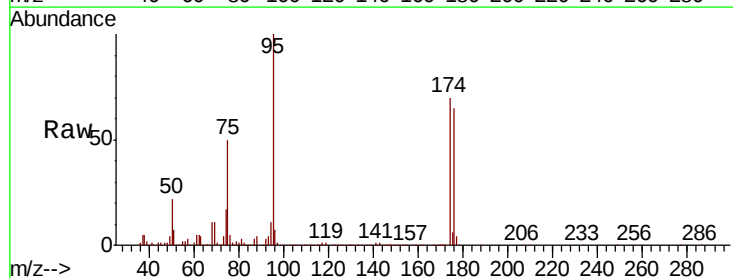
Tgt Ion: 95 Resp: 2376121

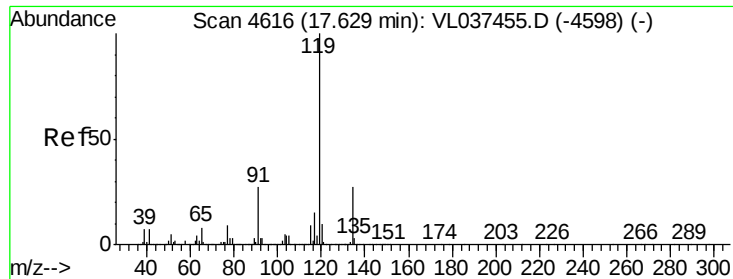
Ion Ratio Lower Upper

95 100

174 79.9 59.6 89.4

175 5.9 4.6 7.0





#69

p-Isopropyltoluene

Concen: 0.035 ppbv

RT: 17.66 min Scan# 4626

Delta R.T. 0.03 min

Lab File: VL037500.D

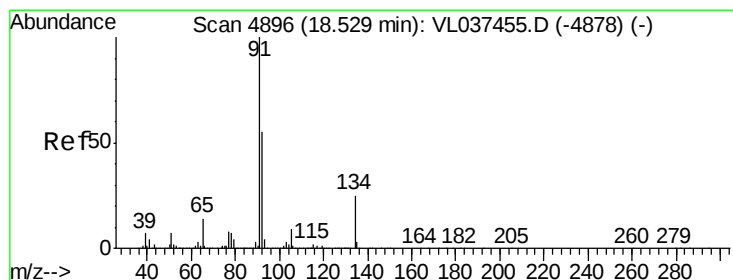
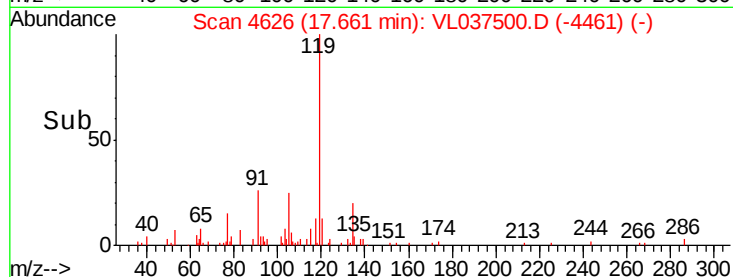
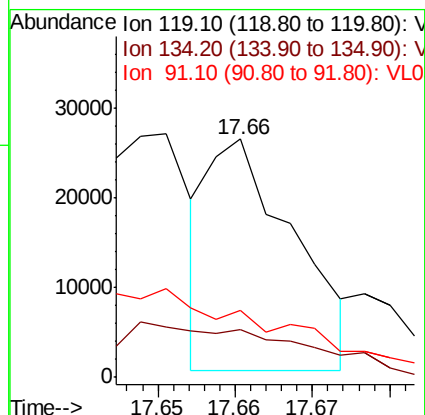
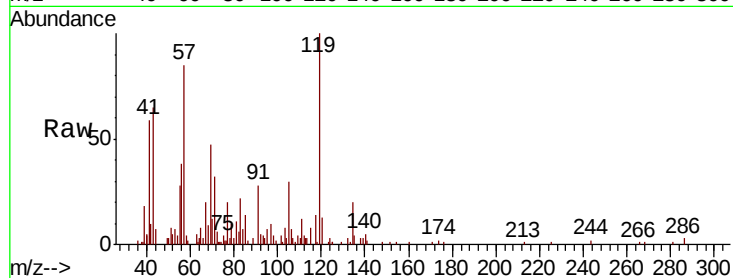
Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	119	Resp:	19981
Ion Ratio	Lower	Upper	
119	100		
134	0.0	21.1	31.7#
91	0.0	22.4	33.6#



#70

n-Butylbenzene

Concen: 0.050 ppbv

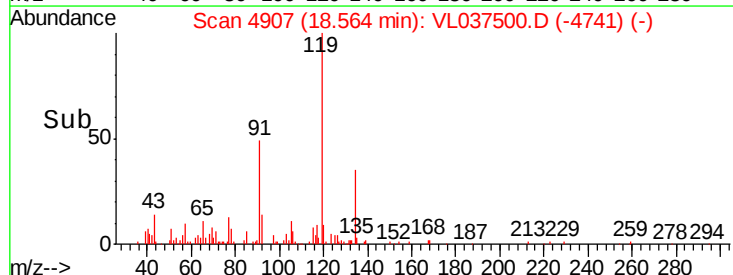
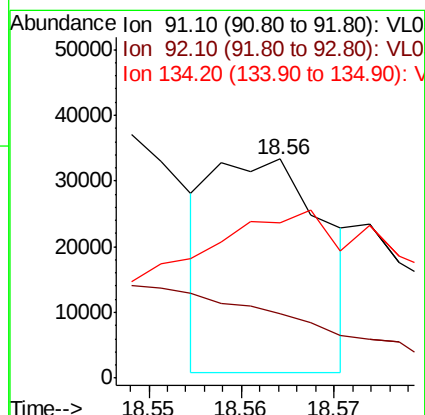
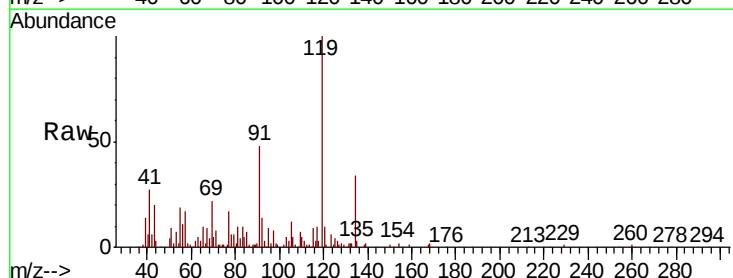
RT: 18.56 min Scan# 4907

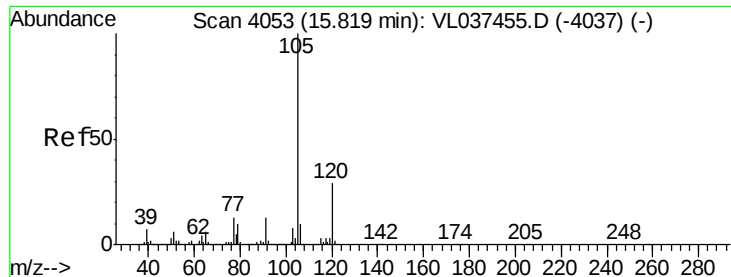
Delta R.T. 0.04 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion:	91	Resp:	27176
Ion Ratio	Lower	Upper	
91	100		
92	0.0	44.0	66.0#
134	276.9	19.5	29.3#





#72

4-Ethyltoluene

Concen: 0.042 ppbv

RT: 15.84 min Scan# 4060

Delta R.T. 0.02 min

Lab File: VL037500.D

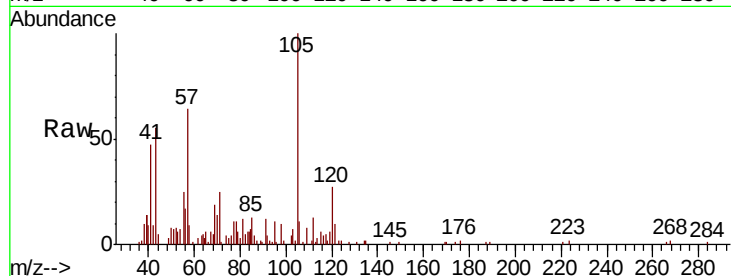
Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	19398
Ion	Ratio	Lower	Upper
105	100		
120	0.0	24.7	37.1#
91	40.1	9.8	14.8#
77	0.0	10.6	15.8#



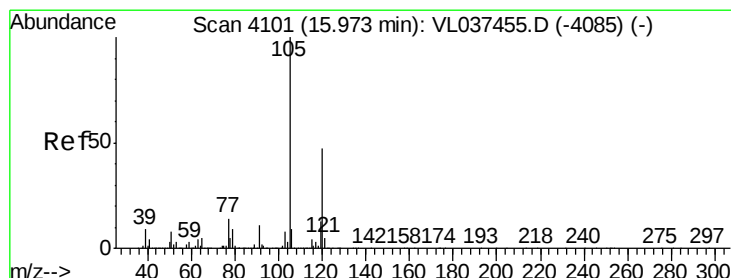
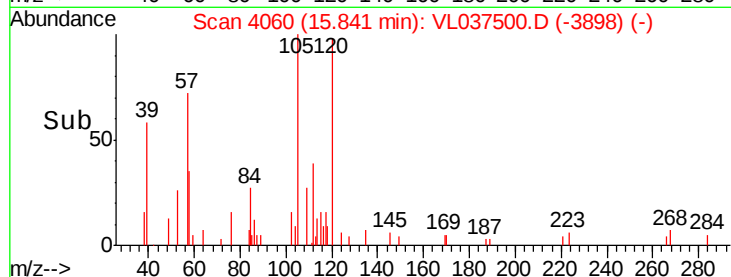
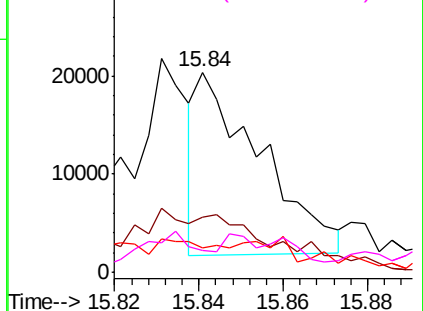
Abundance

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: 0.276 ppbv

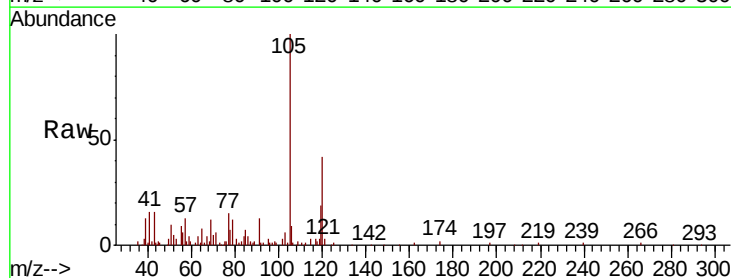
RT: 16.00 min Scan# 4108

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

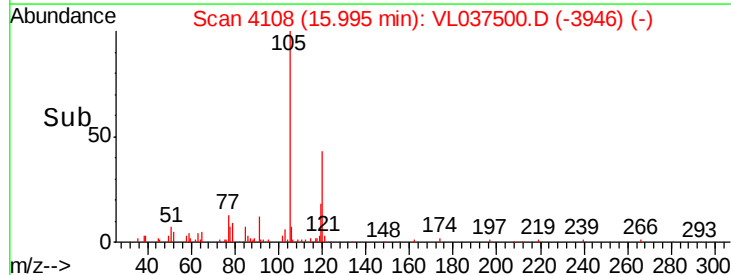
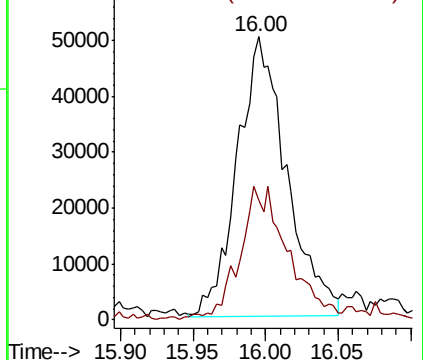
Tgt Ion:	105	Resp:	118879
Ion	Ratio	Lower	Upper
105	100		
120	41.8	37.6	56.4

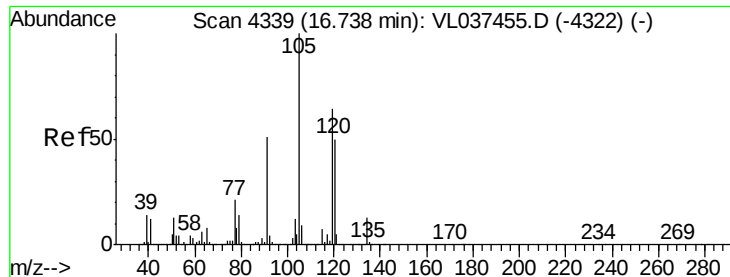


Abundance

Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74

1,2,4-Trimethylbenzene

Concen: 0.374 ppbv

RT: 16.76 min Scan# 4345

Delta R.T. 0.02 min

Lab File: VL037500.D

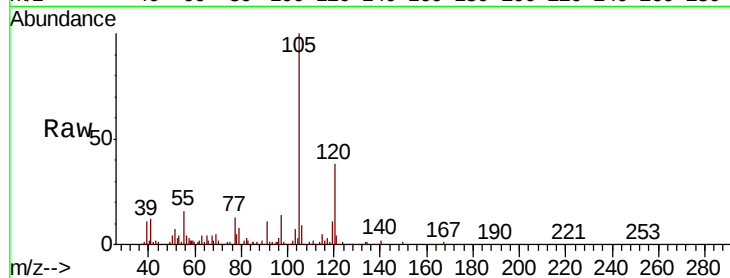
Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	105	Resp:	171428
Ion	Ratio	Lower	Upper
105	100		
120	37.9	40.4	60.6#
91	8.8	44.6	67.0#
77	11.1	17.8	26.6#



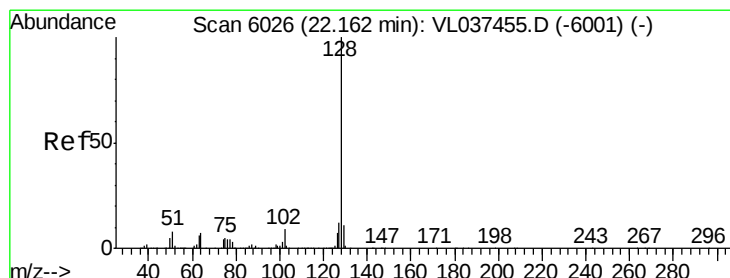
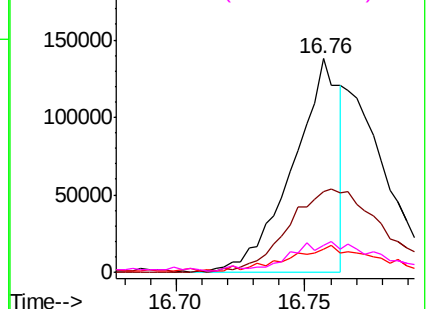
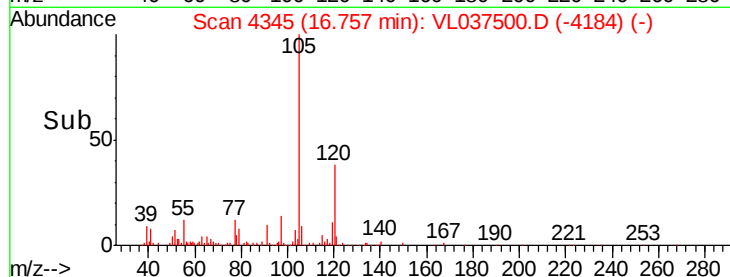
Abundance

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: 0.270 ppbv

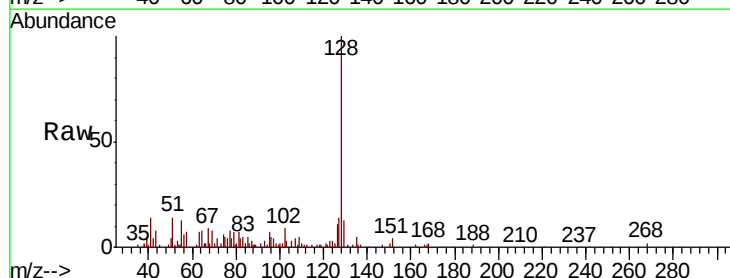
RT: 22.20 min Scan# 6038

Delta R.T. 0.04 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Tgt Ion:	128	Resp:	82848
Ion	Ratio	Lower	Upper
128	100		
127	14.9	9.4	14.2#
129	9.7	8.8	13.2

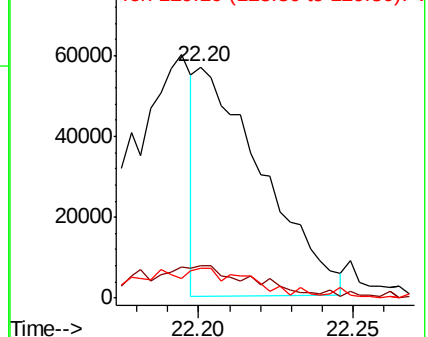
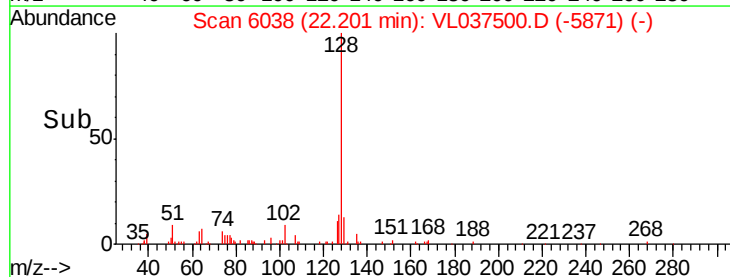


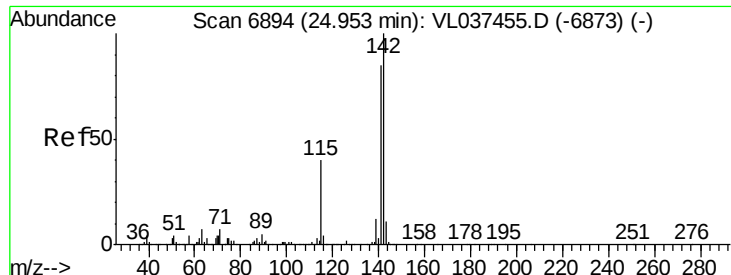
Abundance

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





#80

Naphthalene, 2-methyl-

Concen: 0.103 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.02 min

Lab File: VL037500.D

Acq: 19 Aug 2021 15:56

Instrument :

MSVOA_L

ClientSampleId :

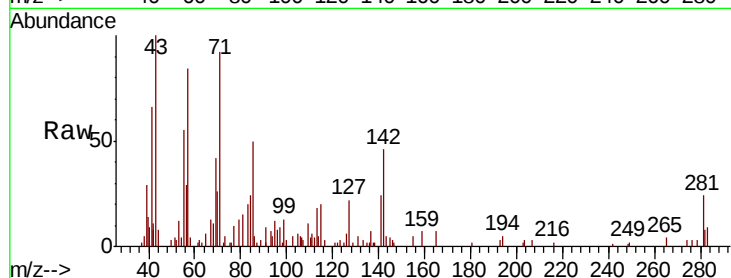
Tot Ion:142 Resp: 8757

Ion Ratio Lower Upper

142 100

141 87.3 64.7 97.1

115 65.1 28.4 42.6#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

