

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038931.D
 Acq On : 15 Apr 2022 00:06
 Operator : SY/AP
 Sample : N2259-05
 Misc : 400mL/MSVOA L
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:09:19 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Apr 06 06:12:53 2022
 QLast Update : Wed Apr 06 06:12:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1173272	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2986599	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2617225	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2070699	10.43	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	82171	0.494	ppbv 98
3) Chlorodifluoromethane	2.96	51	1425329	9.954	ppbv # 63
4) Chloromethane	3.14	50	34102	0.460	ppbv 94
9) Propene	3.21	41	139270	1.838	ppbv 87
10) Heptane	8.12	43	2662348	13.952	ppbv 96
11) Trichlorofluoromethane	3.95	101	182687	1.366	ppbv 92
13) Ethanol	3.60	45	699676	151.974	ppbv # 100
15) Acetone	3.84	43	24155662	206.795	ppbv # 73
16) 1,3-Butadiene	3.31	39	22952	0.344	ppbv 89
17) tert-Butyl alcohol	3.85	59	513813	4.905	ppbv # 1
19) Isopropyl Alcohol	3.97	45	277065	4.641	ppbv # 100
20) Methylene Chloride	4.35	84	642738	15.172	ppbv 96
21) Allyl Chloride	4.37	41	9264	0.106	ppbv # 1
23) Vinyl Acetate	5.07	43	4653	0.041	ppbv # 79
25) Ethyl Acetate	5.68	43	569871	1.923	ppbv # 88
26) Hexane	5.69	57	529527	3.925	ppbv # 55
29) Chloroform	5.75	83	5699	0.030	ppbv 92
30) Cyclohexane	7.13	84	34234	0.288	ppbv # 25
34) 2-Butanone	5.24	43	163386	1.384	ppbv 96
35) Carbon Tetrachloride	7.02	117	6829	0.038	ppbv # 76
36) Benzene	6.89	78	230298	0.848	ppbv 95
39) 1,2-Dichloropropane	7.18	63	728782	7.013	ppbv # 26
41) Tetrahydrofuran	6.06	42	4620	0.041	ppbv # 12
42) Bromodichloromethane	7.79	83	33867	0.173	ppbv # 26
44) 2,2,4-Trimethylpentane	7.86	57	232923	0.506	ppbv # 1
50) 4-Methyl-2-Pentanone	8.74	43	637932	2.403	ppbv 96
51) 2-Hexanone	10.12	43	13775	0.069	ppbv # 74
52) Tetrachloroethene	11.22	164	5348	0.056	ppbv # 51
53) Toluene	9.81	91	14590705	46.520	ppbv 92
58) Ethyl Benzene	12.71	91	804818	2.058	ppbv 92
59) m/p-Xylene	12.96	91	1929239	5.872	ppbv 99
60) o-Xylene	13.69	91	751093	2.443	ppbv 97
61) Styrene	13.52	104	22390	0.120	ppbv # 76
62) Isopropylbenzene	14.66	105	67253	0.146	ppbv # 79
64) n-propylbenzene	15.55	120	51952	0.434	ppbv # 1
65) tert-Butylbenzene	16.76	119	138989	0.339	ppbv # 59
66) Benzyl Chloride	17.19	91	11900	0.143	ppbv # 65
67) sec-Butylbenzene	17.28	105	107414	0.187	ppbv 100
69) p-Isopropyltoluene	17.65	119	24682	0.052	ppbv # 20
70) n-Butylbenzene	18.54	91	238151	0.501	ppbv # 59
71) 2-Chlorotoluene	15.55	91	422882	1.219	ppbv # 43

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QLast Update : Wed Apr 06 06:12:53 2022
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
72) 4-Ethyltoluene	15.83	105	429547	1.170	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	379580	1.151	ppbv	89
74) 1,2,4-Trimethylbenzene	16.75	105	1336974	3.835	ppbv #	69
80) Naphthalene,2-methyl-	24.97	142	30810	0.479	ppbv #	42

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

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Instrument :
MSVOA_L
ClientSampleId :

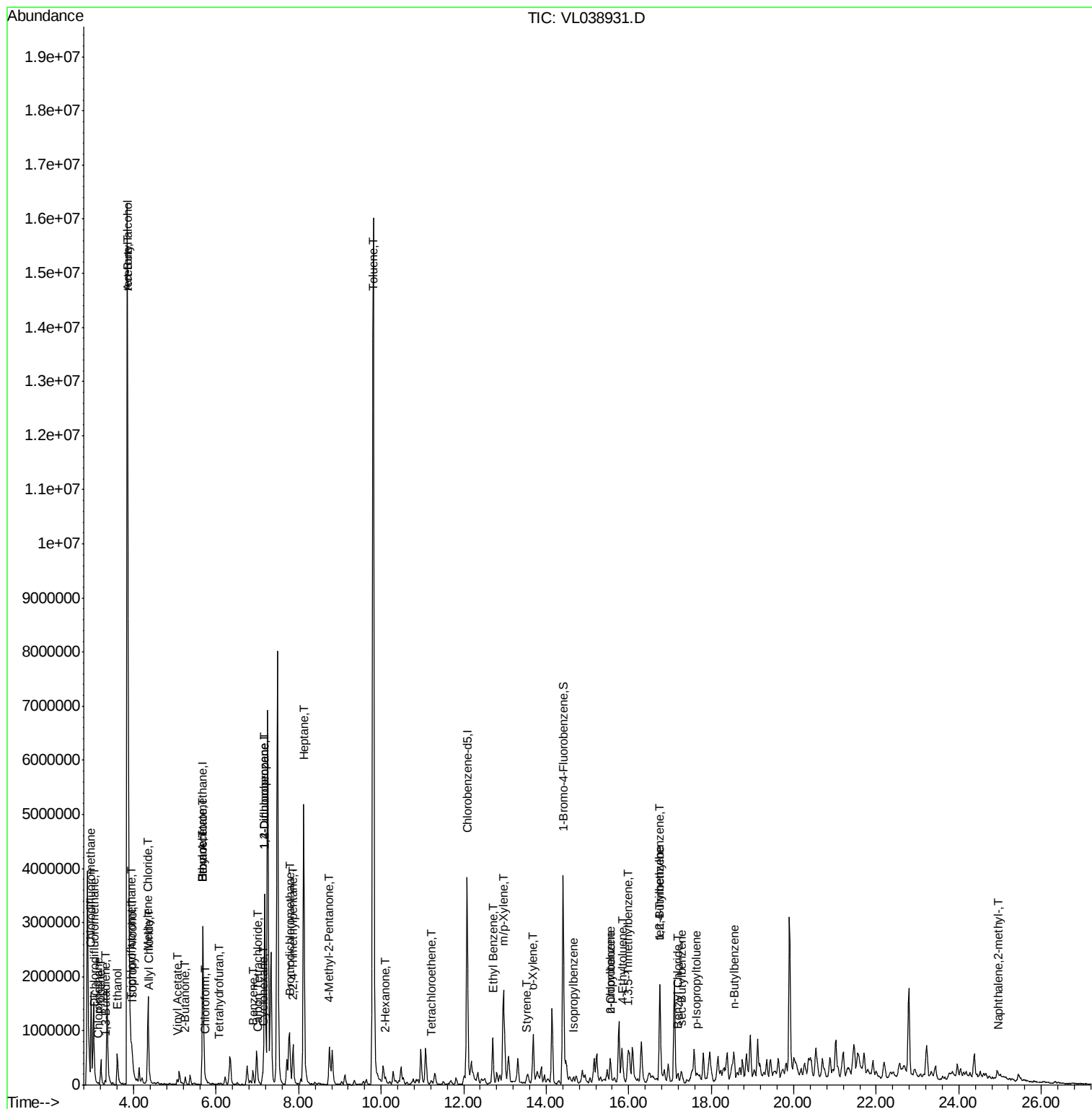
Quant Time: Apr 15 08:09:19 2022

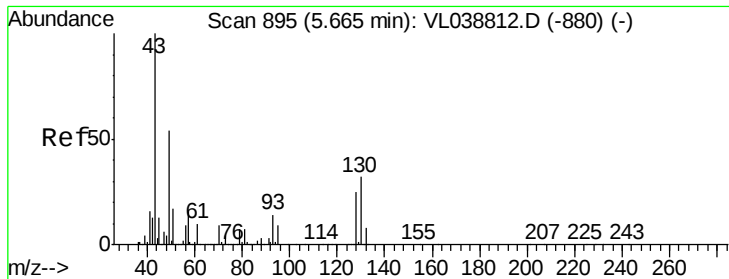
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL040522AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Apr 06 06:12:53 2022

QLast Update : Wed Apr 06 06:12:53 2022

Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:00

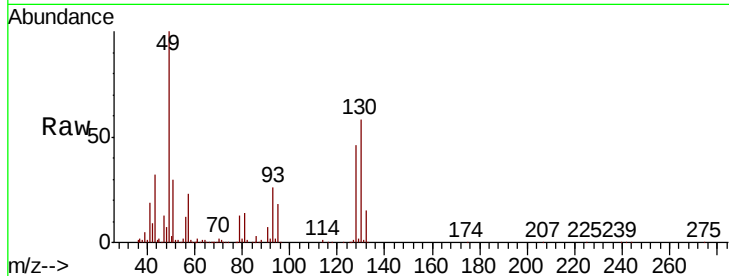
Tot Ion: 49 Resp: 1173272

Ion	Ratio	Lower	Upper
49	100		
128	47.2	24.1	72.3
130	60.1	30.9	92.8

49 100

128 47.2 24.1 72.3

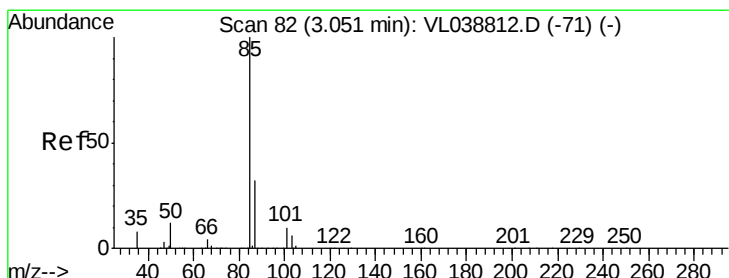
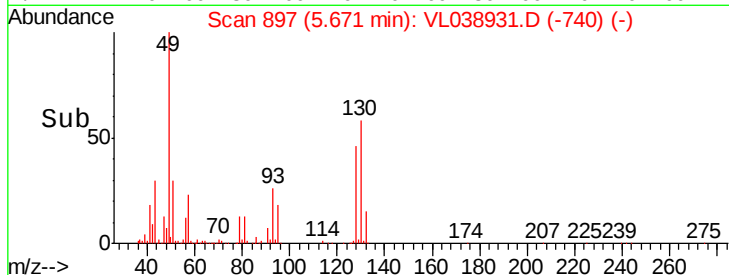
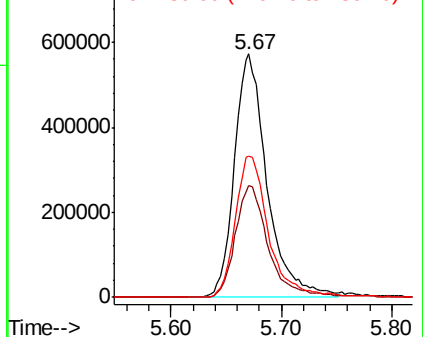
130 60.1 30.9 92.8



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: 0.494 ppbv

RT: 3.05 min Scan# 82

Delta R.T. -0.00 min

Lab File: VL038931.D

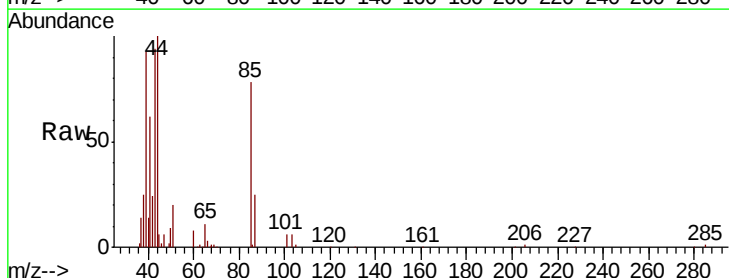
Acq: 15 Apr 2022 00:06

Tgt Ion: 85 Resp: 82171

Ion	Ratio	Lower	Upper
85	100		
87	31.3	25.9	38.9

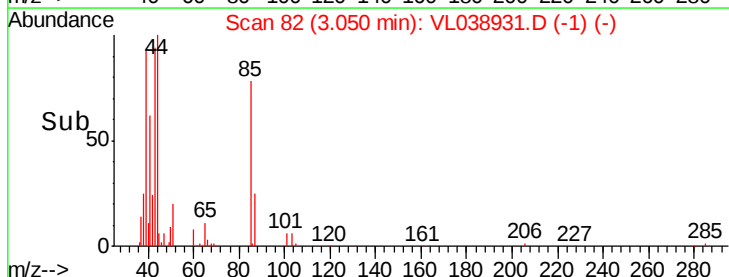
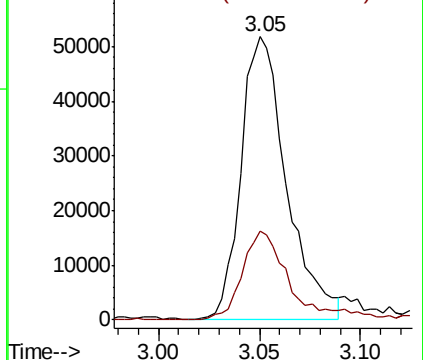
85 100

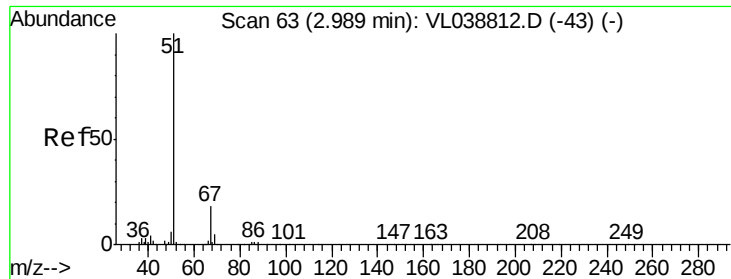
87 31.3 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.954 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

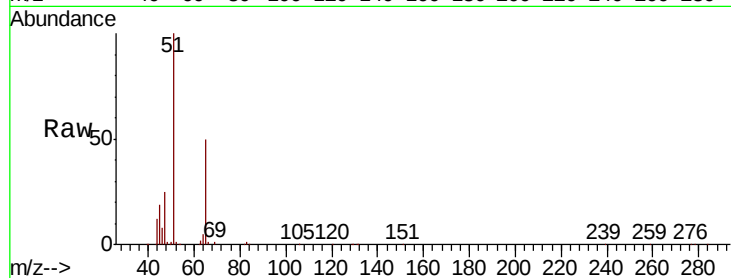
Acq: 15 Apr 2022 00:00

Tot Ion: 51 Resp: 1425329

Ion Ratio Lower Upper

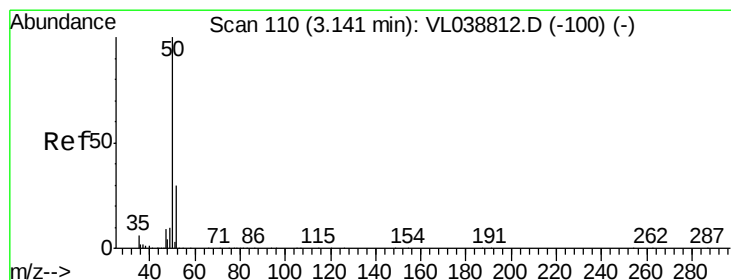
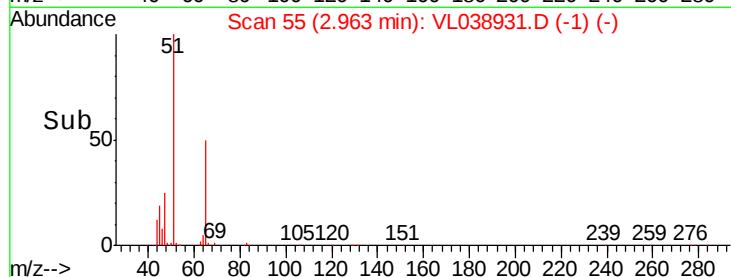
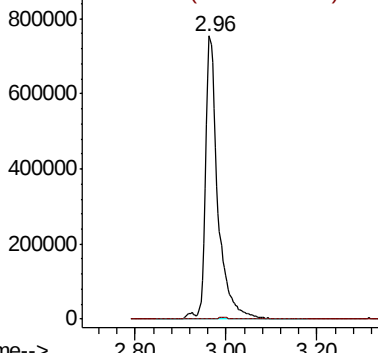
51 100

67 0.6 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.460 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL038931.D

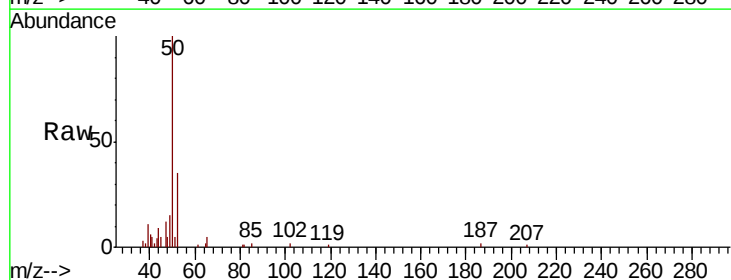
Acq: 15 Apr 2022 00:06

Tgt Ion: 50 Resp: 34102

Ion Ratio Lower Upper

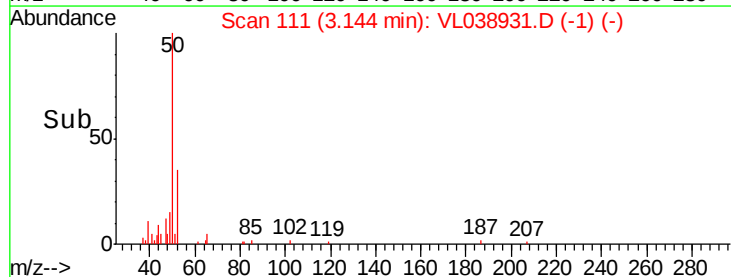
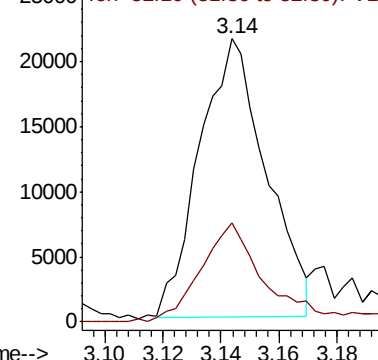
50 100

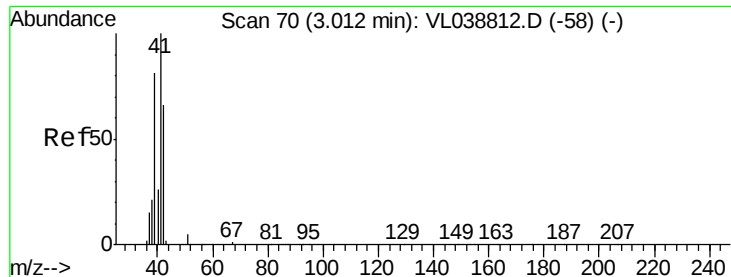
52 33.7 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

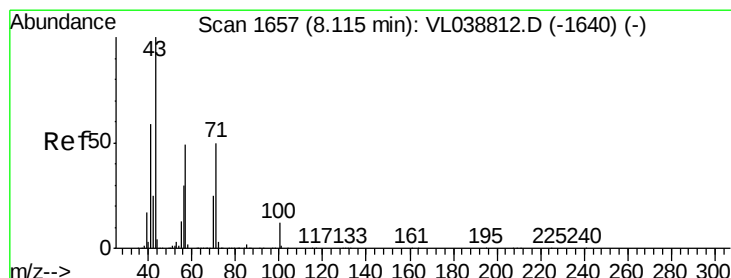
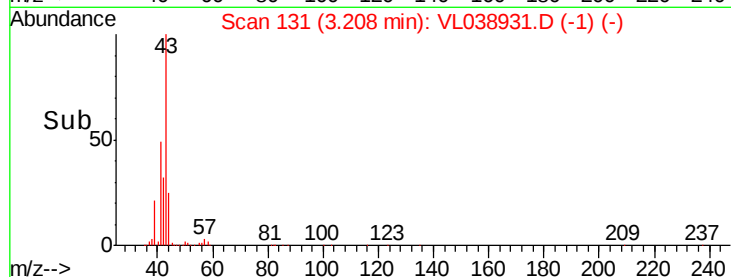
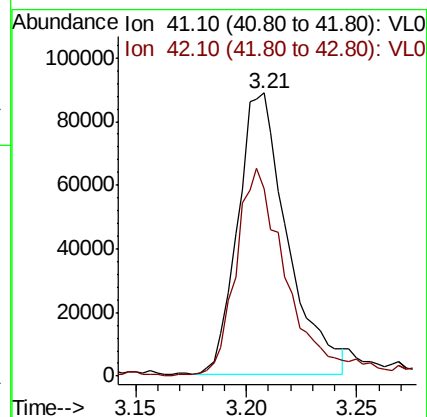
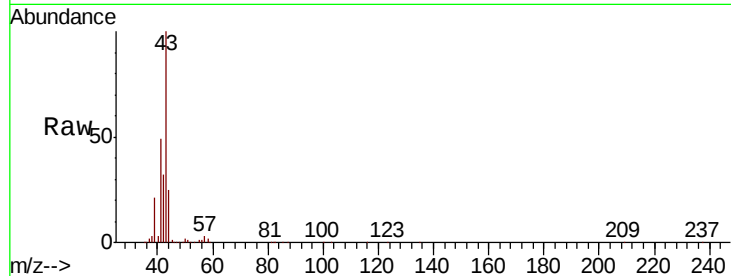
Ion 52.10 (51.80 to 52.80): VL0





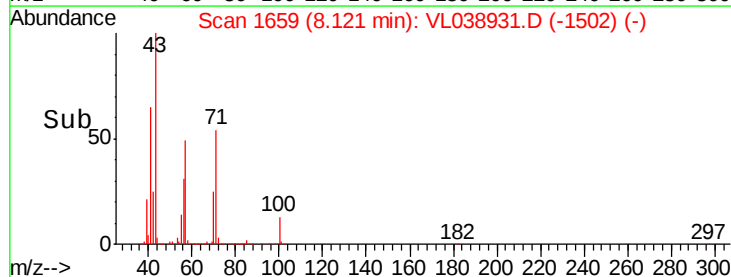
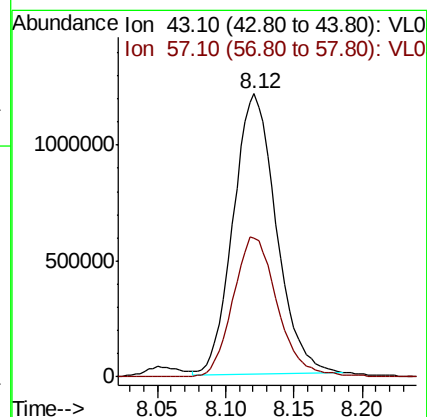
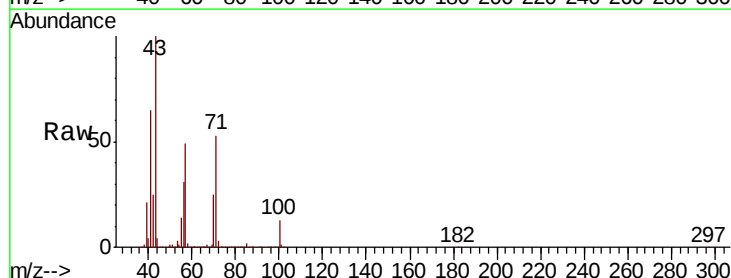
#9
 Propene
 Concen: 1.838 ppbv
 RT: 3.21
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

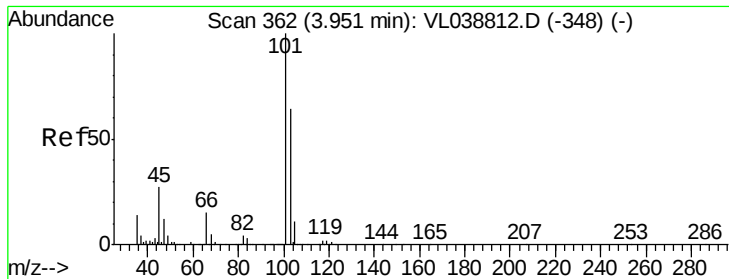
Tot Ion: 41 Resp: 139270
 Ion Ratio Lower Upper
 41 100
 42 78.6 54.2 81.4



#10
 Heptane
 Concen: 13.952 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

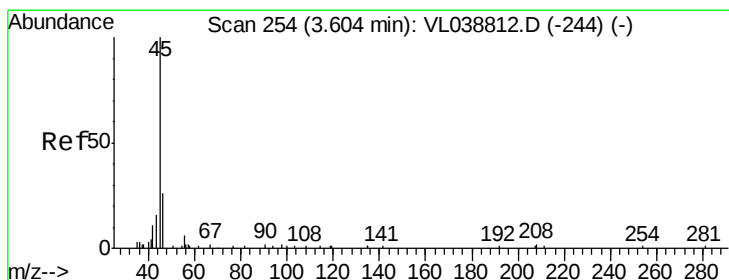
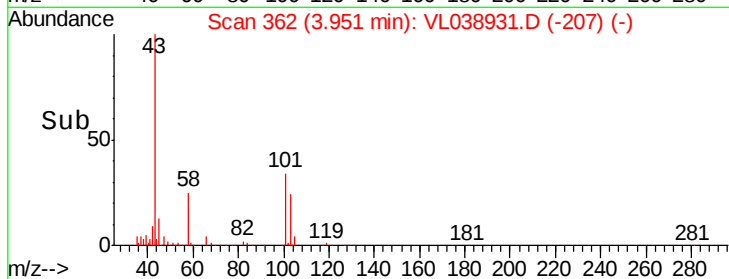
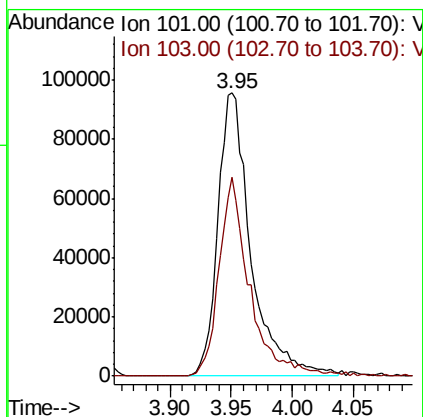
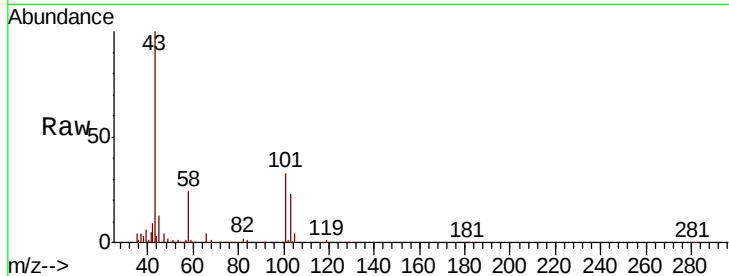
Tgt Ion: 43 Resp: 2662348
 Ion Ratio Lower Upper
 43 100
 57 51.7 39.3 58.9





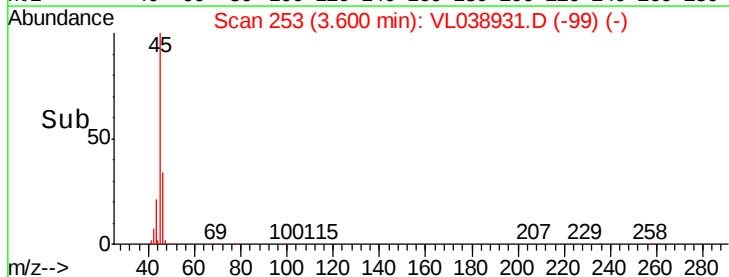
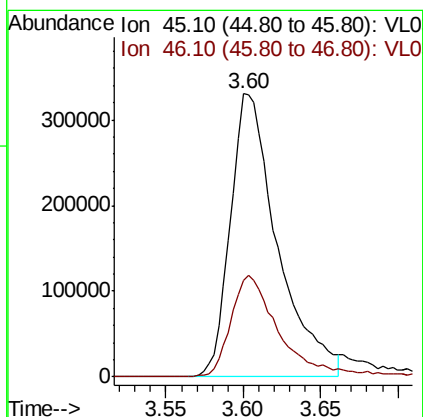
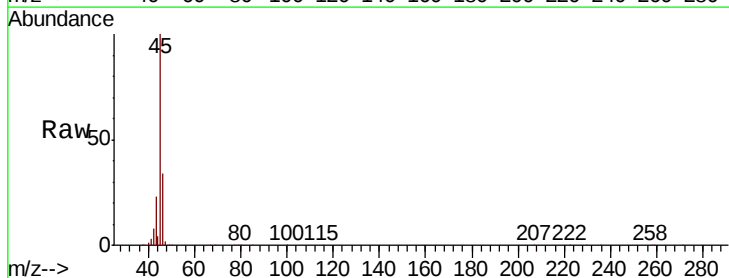
#11
 Trichlorofluoromethane
 Concen: 1.366 ppbv
 RT: 3.95 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

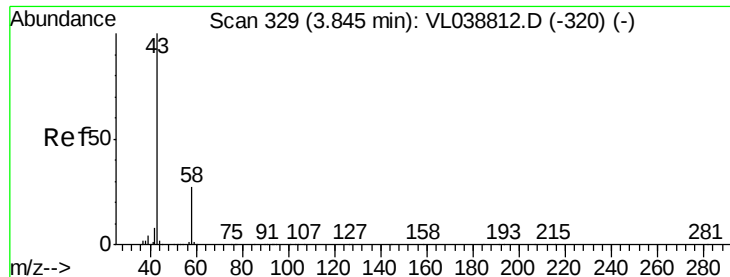
Tot Ion: 101 Resp: 182687
 Ion Ratio Lower Upper
 101 100
 103 70.1 51.4 77.0



#13
 Ethanol
 Concen: 151.974 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

Tgt Ion: 45 Resp: 699676
 Ion Ratio Lower Upper
 45 100
 46 38.5 0.0 0.0#





#15

Acetone

Concen: 206.795 ppbv

RT: 3.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

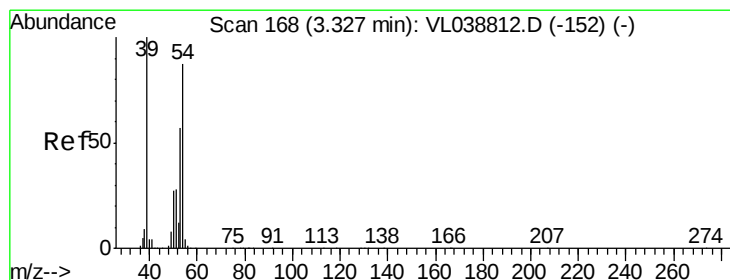
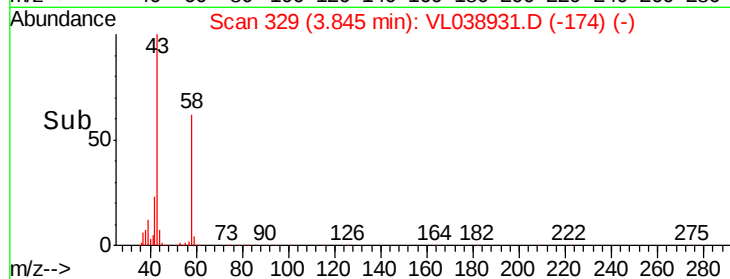
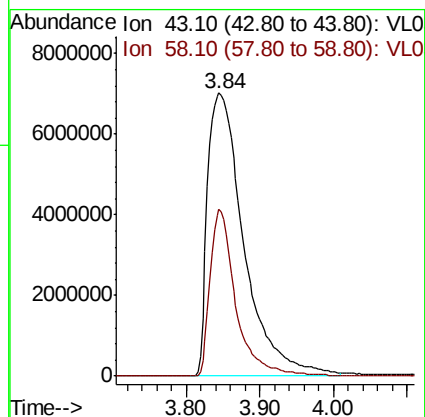
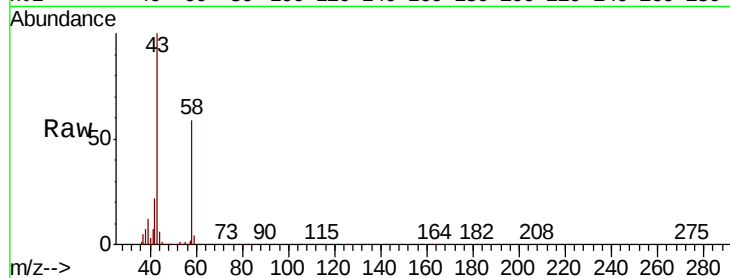
Acq: 15 Apr 2022 00:00

Tot Ion: 43 Resp: 24155662

Ion Ratio Lower Upper

43 100

58 42.1 22.5 33.7#



#16

1,3-Butadiene

Concen: 0.344 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL038931.D

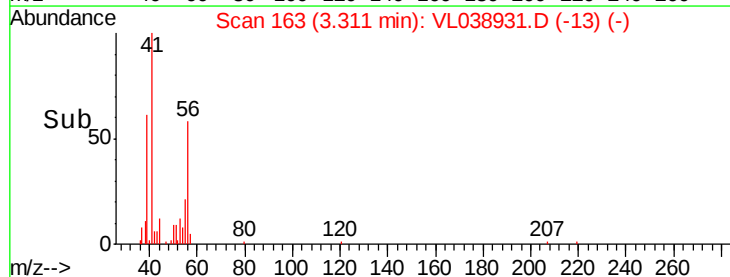
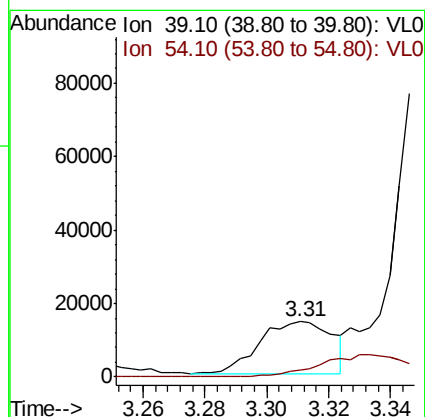
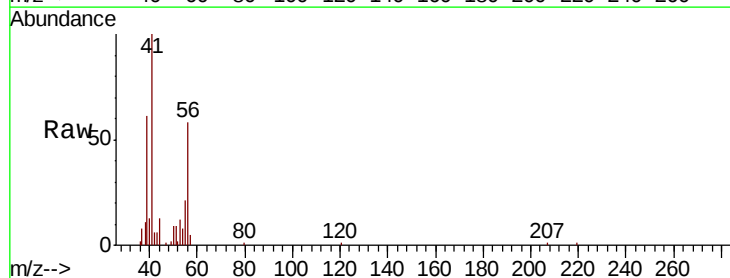
Acq: 15 Apr 2022 00:06

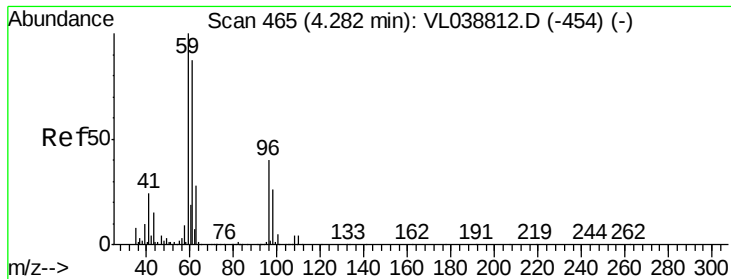
Tgt Ion: 39 Resp: 22952

Ion Ratio Lower Upper

39 100

54 71.3 64.8 97.2





#17

tert-Butyl alcohol

Concen: 4.905 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

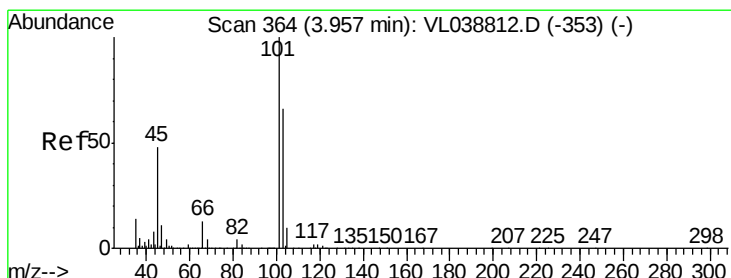
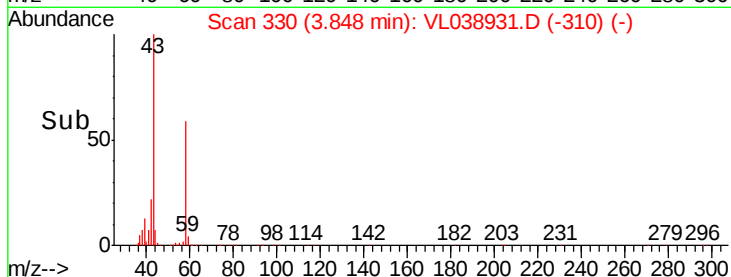
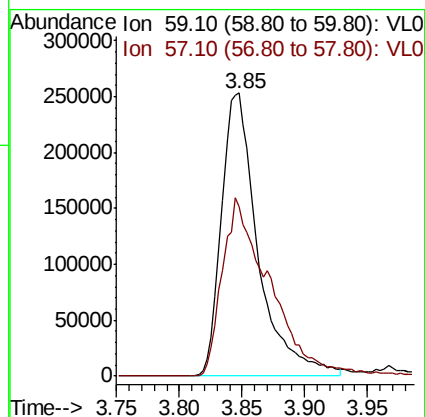
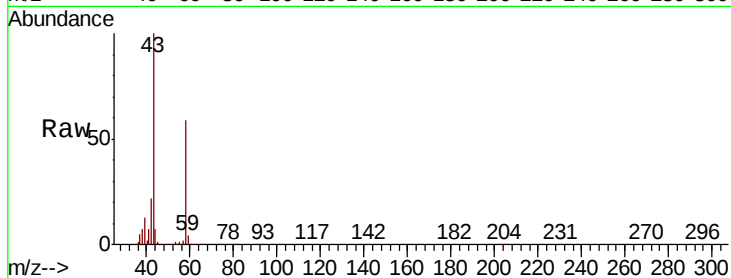
Acq: 15 Apr 2022 00:00

Tot Ion: 59 Resp: 513813

Ion Ratio Lower Upper

59 100

57 82.5 8.5 12.7#



#19

Isopropyl Alcohol

Concen: 4.641 ppbv

RT: 3.97 min Scan# 367

Delta R.T. 0.01 min

Lab File: VL038931.D

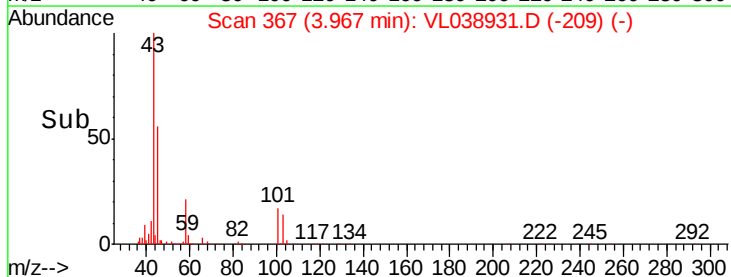
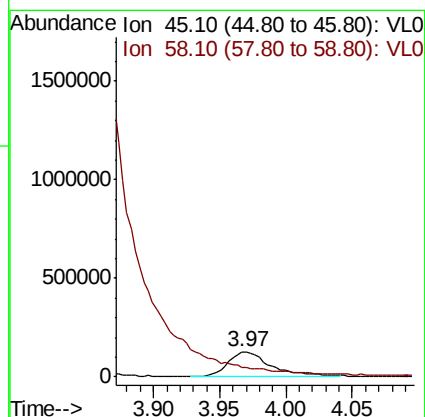
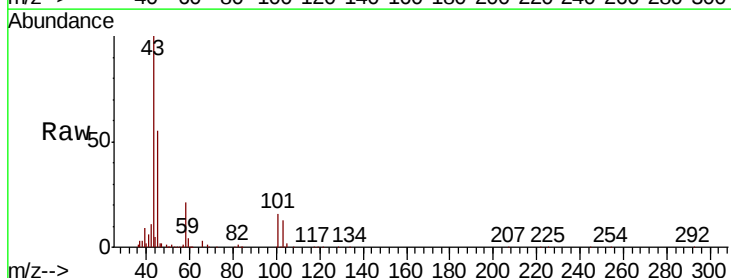
Acq: 15 Apr 2022 00:06

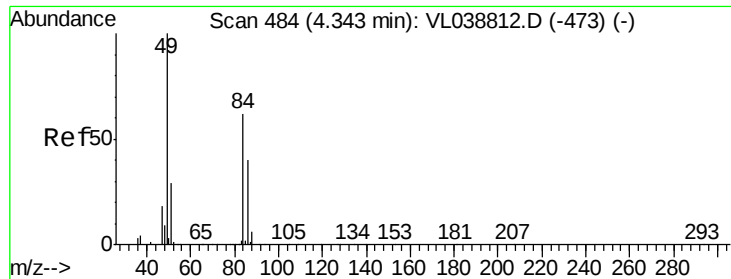
Tgt Ion: 45 Resp: 277065

Ion Ratio Lower Upper

45 100

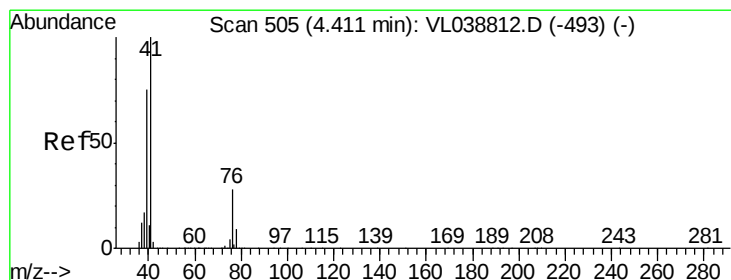
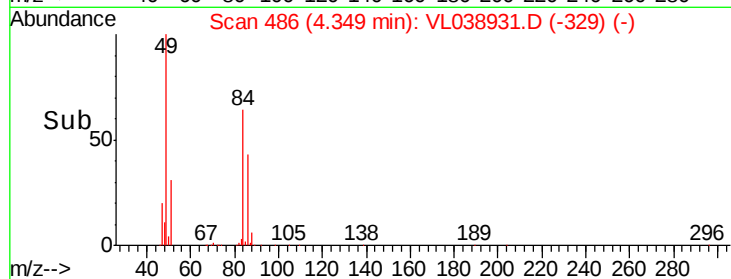
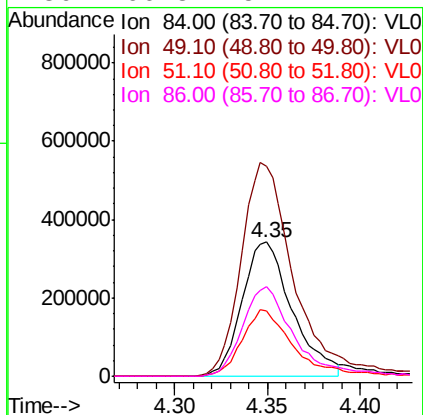
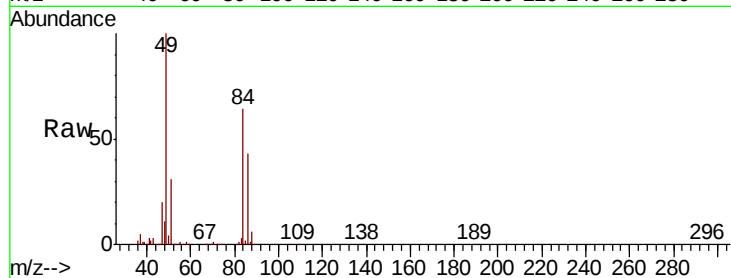
58 0.0 0.0 0.0





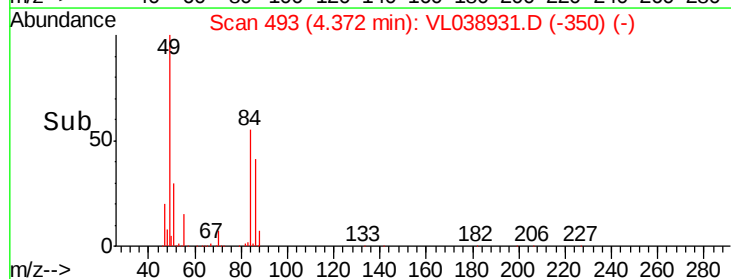
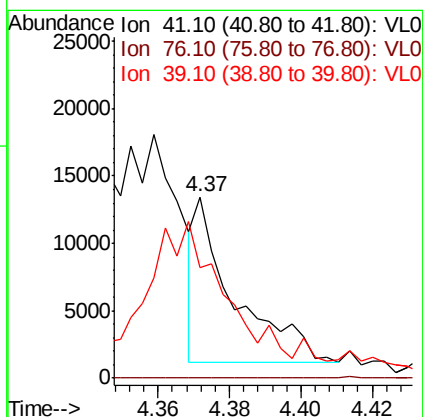
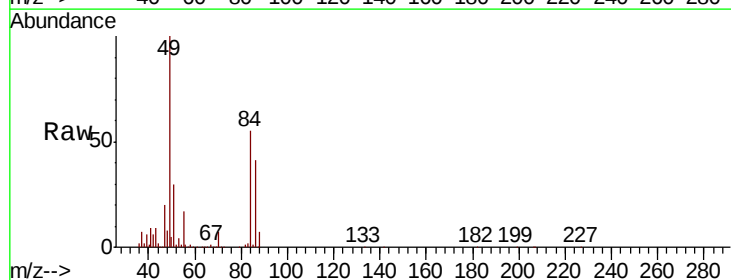
#20
Methylene Chloride
Concen: 15.172 ppbv
RT: 4.35 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:00

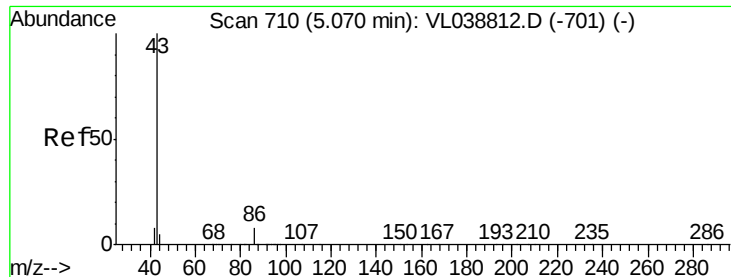
Tot Ion:	84	Resp:	642738
Ion	Ratio	Lower	Upper
84	100		
49	156.1	129.4	194.0
51	48.9	37.4	56.2
86	66.8	51.4	77.2



#21
Allyl Chloride
Concen: 0.106 ppbv
RT: 4.37 min Scan# 493
Delta R.T. -0.04 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

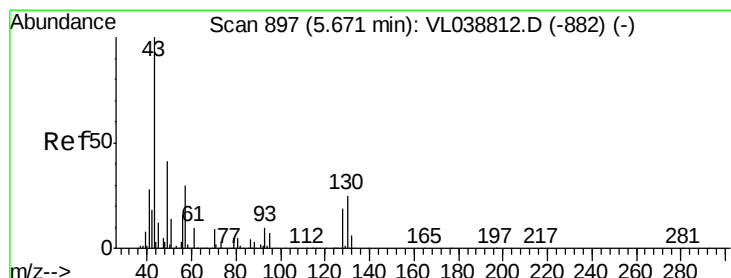
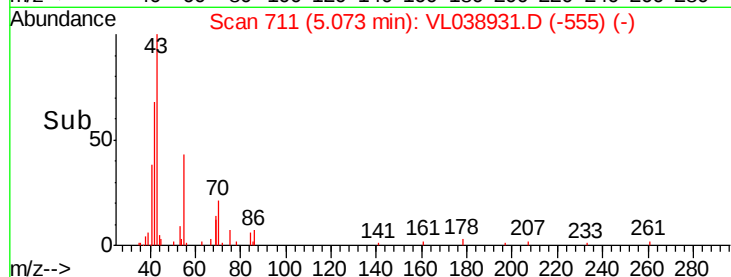
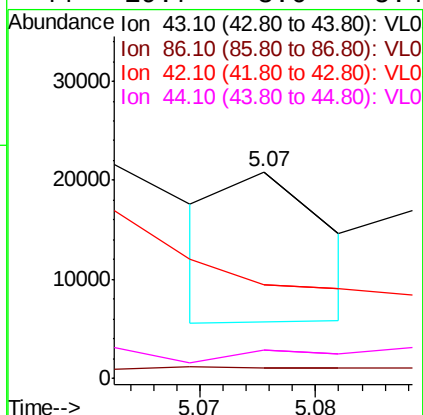
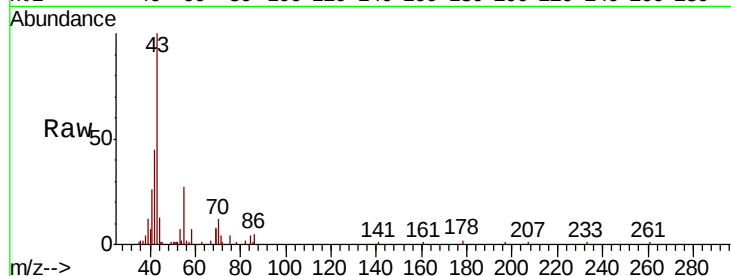
Tgt Ion:	41	Resp:	9264
Ion	Ratio	Lower	Upper
41	100		
76	0.0	23.7	35.5#
39	199.7	62.0	93.0#





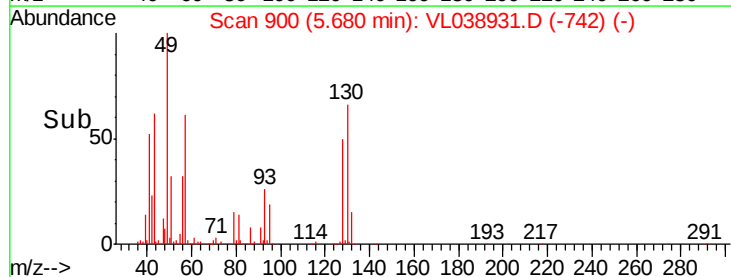
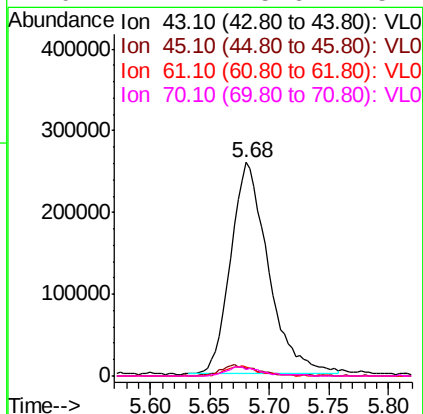
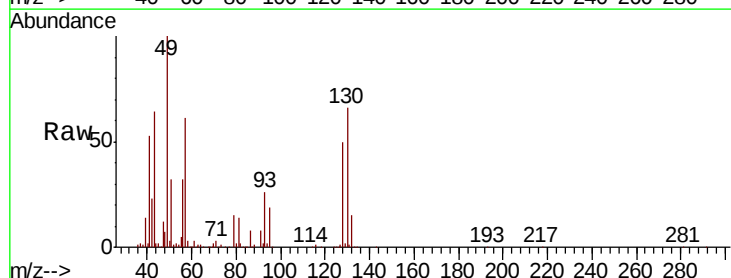
#23
 Vinyl Acetate
 Concen: 0.041 ppbv
 RT: 5.07 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

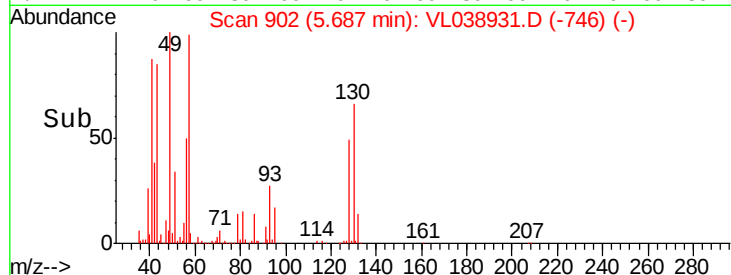
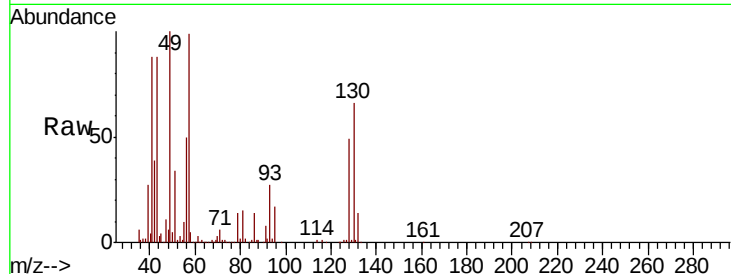
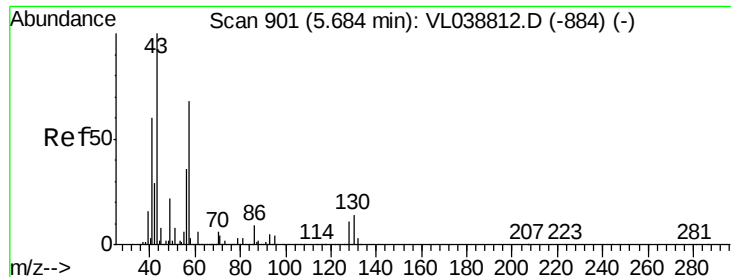
Tot Ion:	43	Resp:	4653
Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.8	8.6#
42	6.5	7.8	11.6#
44	19.7	3.6	5.4#



#25
 Ethyl Acetate
 Concen: 1.923 ppbv
 RT: 5.68 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

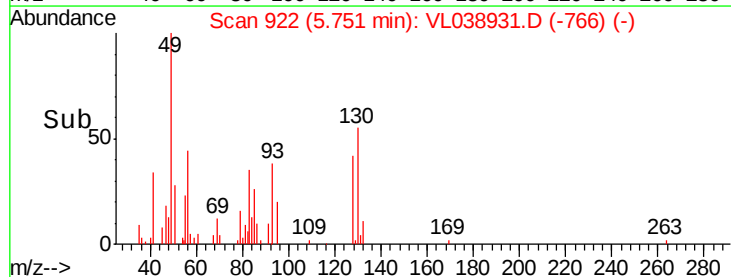
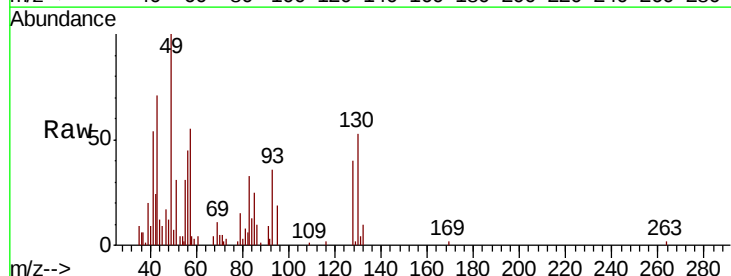
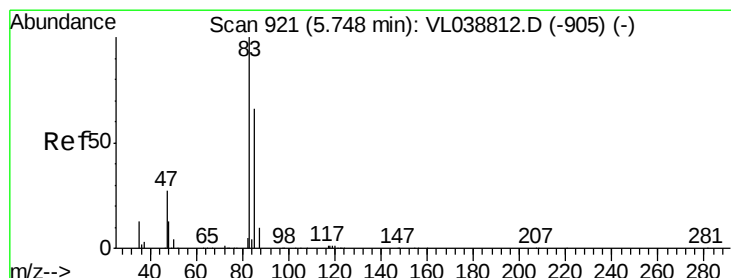
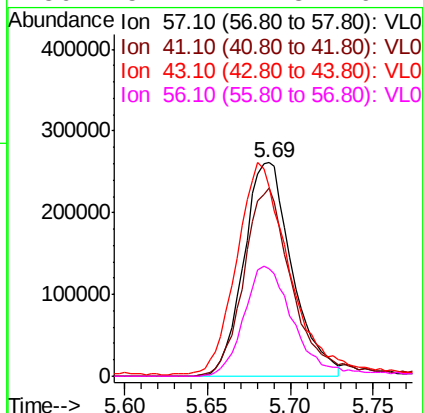
Tgt Ion:	43	Resp:	569871
Ion	Ratio	Lower	Upper
43	100		
45	5.6	8.4	12.6#
61	4.5	7.9	11.9#
70	4.2	5.6	8.4#





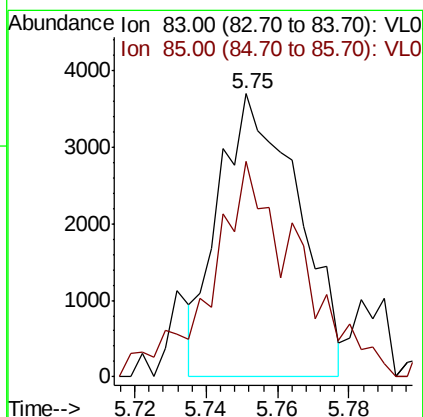
#26
Hexane
Concen: 3.925 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 00:00

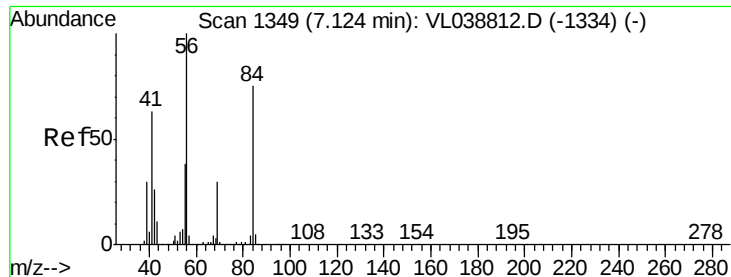
Tot Ion:	57	Resp:	529527
Ion Ratio	Lower	Upper	
57	100		
41	90.9	72.0	108.0
43	113.4	186.6	280.0#
56	54.7	42.8	64.2



#29
Chloroform
Concen: 0.030 ppbv
RT: 5.75 min Scan# 922
Delta R.T. 0.00 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

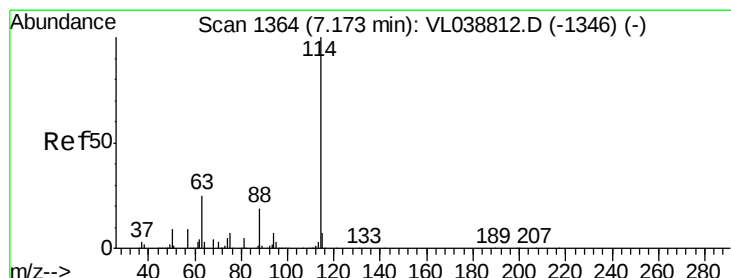
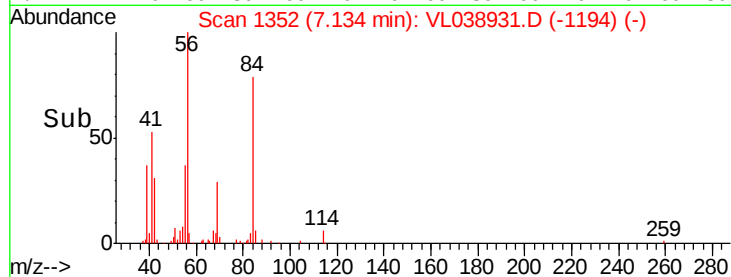
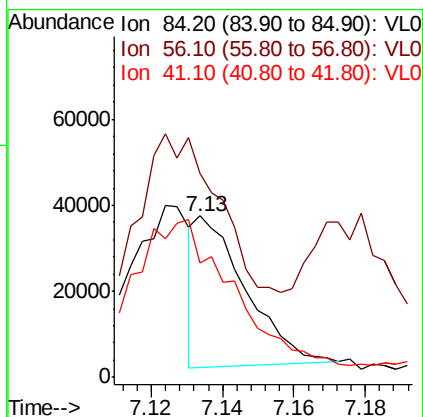
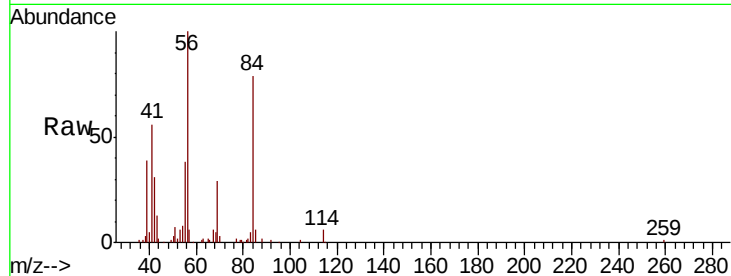
Tgt Ion:	83	Resp:	5699
Ion Ratio	Lower	Upper	
83	100		
85	72.2	52.5	78.7





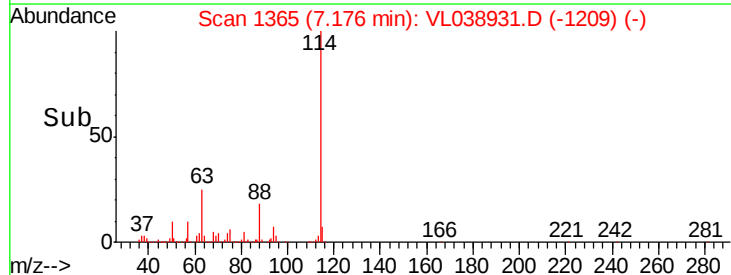
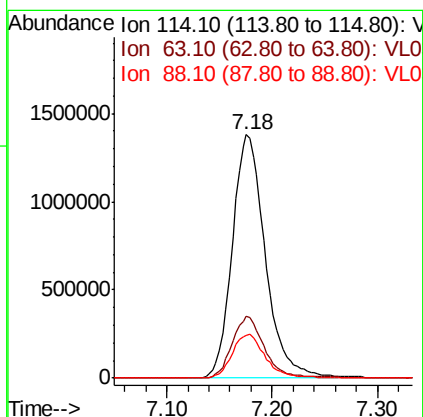
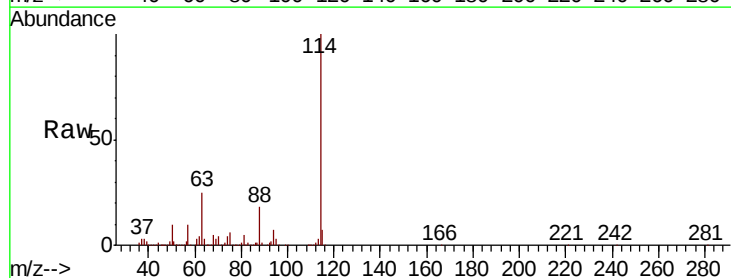
#30
Cvclohexane
Concen: 0.288 ppbv
RT: 7.13 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 00:00

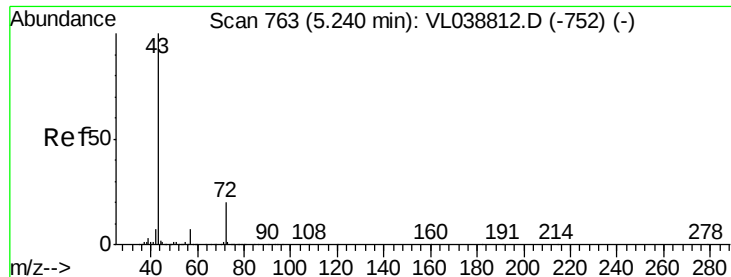
Tot Ion: 84 Resp: 34234
Ion Ratio Lower Upper
84 100
56 185.4 114.4 171.6#
41 216.6 69.0 103.4#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1365
Delta R.T.: 0.00 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

Tgt Ion: 114 Resp: 2986599
Ion Ratio Lower Upper
114 100
63 25.1 19.8 29.8
88 18.2 14.2 21.4





#34

2-Butanone

Concen: 1.384 ppbv

RT: 5.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

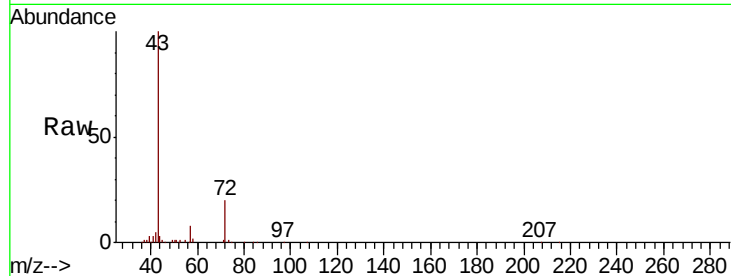
Acq: 15 Apr 2022 00:00

Tot Ion: 43 Resp: 163386

Ion Ratio Lower Upper

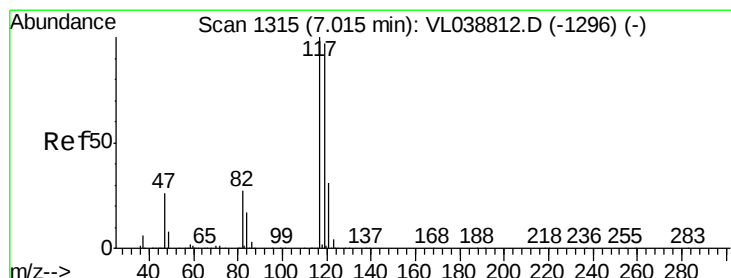
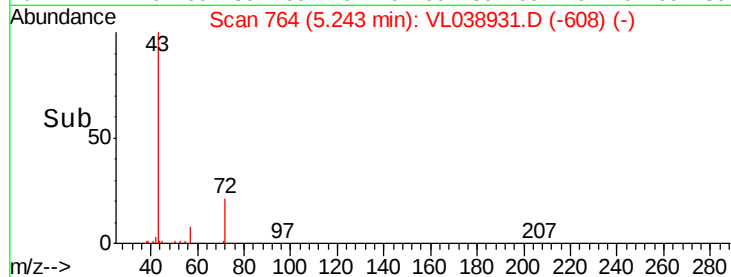
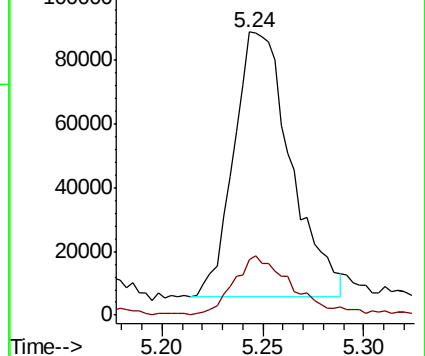
43 100

72 23.0 16.9 25.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0



#35

Carbon Tetrachloride

Concen: 0.038 ppbv

RT: 7.02 min Scan# 1317

Delta R.T. 0.01 min

Lab File: VL038931.D

Acq: 15 Apr 2022 00:06

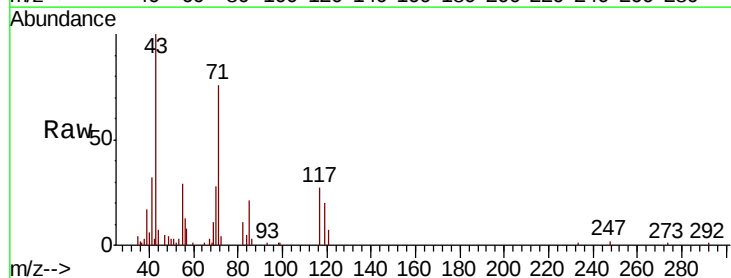
Tgt Ion: 117 Resp: 6829

Ion Ratio Lower Upper

117 100

119 71.7 77.7 116.5#

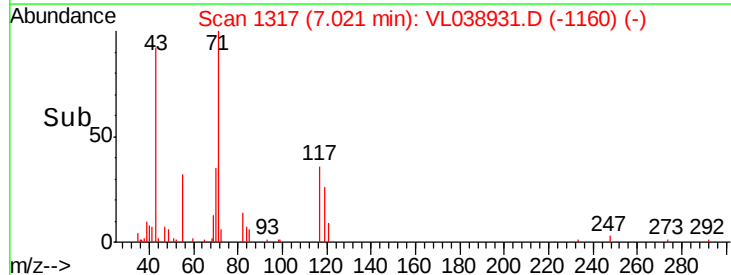
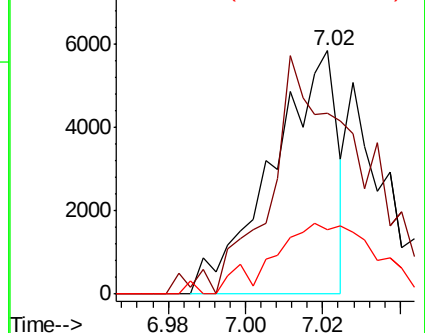
121 21.2 24.5 36.7#

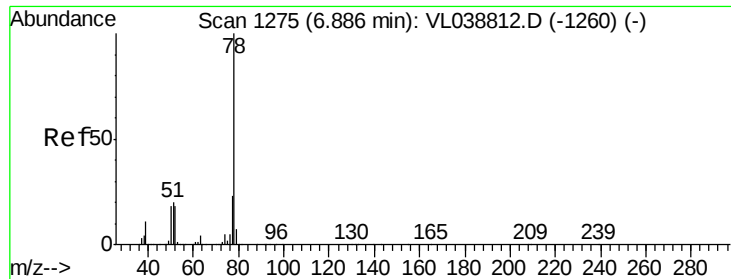


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

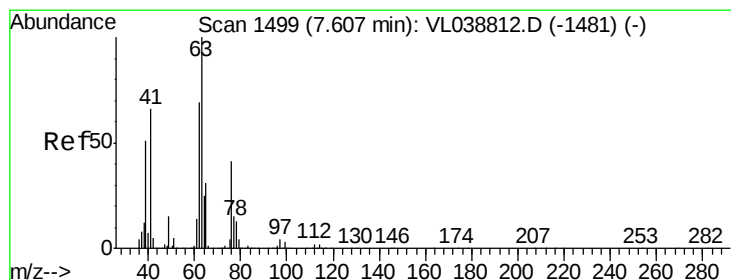
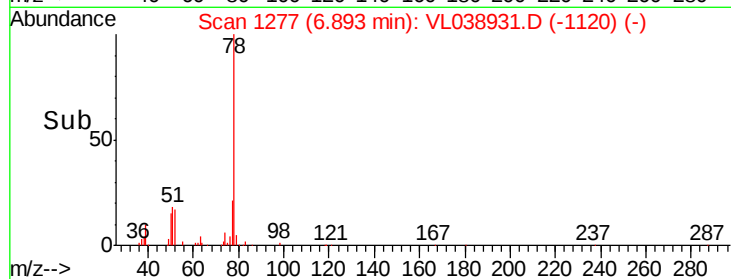
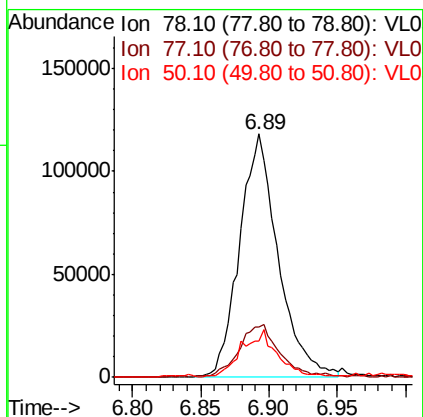
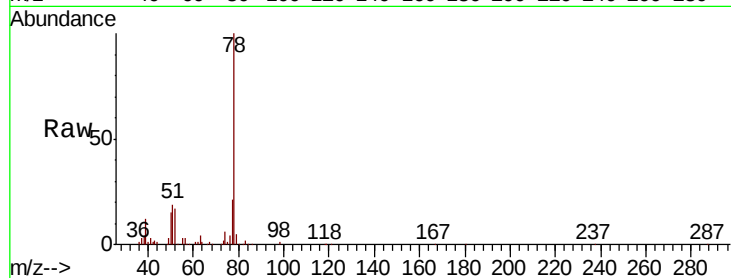
Ion 121.00 (120.70 to 121.70): V





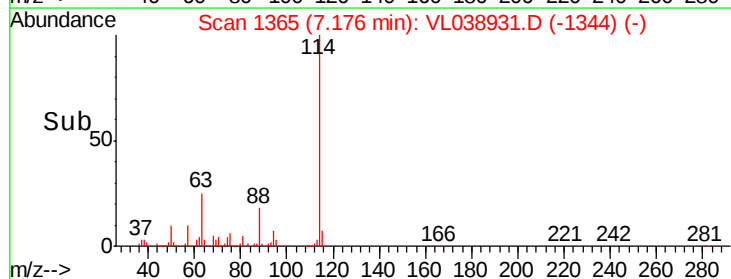
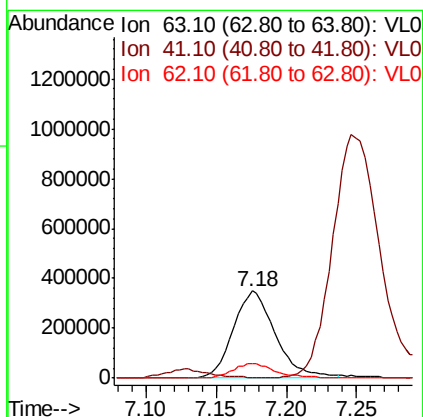
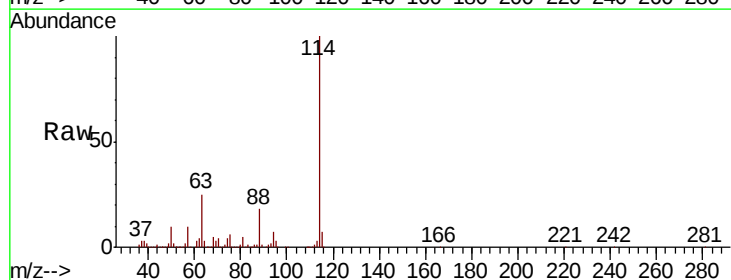
#36
Benzene
Concen: 0.848 ppbv
RT: 6.89
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 00:00

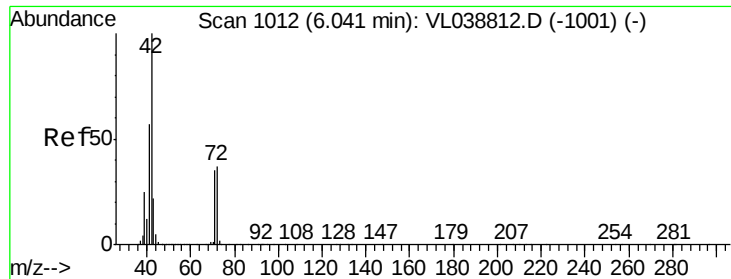
Tot Ion	78	Resp	230298
Ion Ratio	Lower	Upper	
78	100		
77	20.9	18.2	27.2
50	14.1	14.0	21.0



#39
1,2-Dichloropropane
Concen: 7.013 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.43 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

Tgt Ion	63	Resp	728782
Ion Ratio	Lower	Upper	
63	100		
41	0.0	53.0	79.6#
62	16.5	55.0	82.4#





#41

Tetrahydrofuran

Concen: 0.041 ppbv

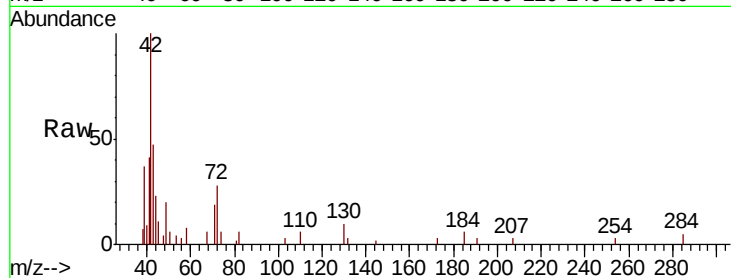
RT: 6.06 Instrument:

Delta R.T. MSVOA_L

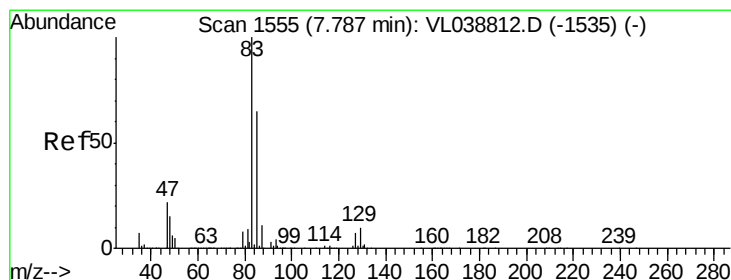
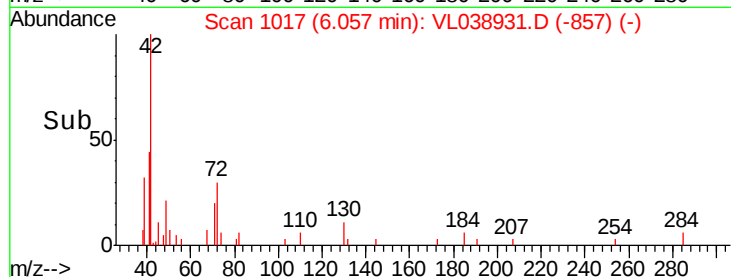
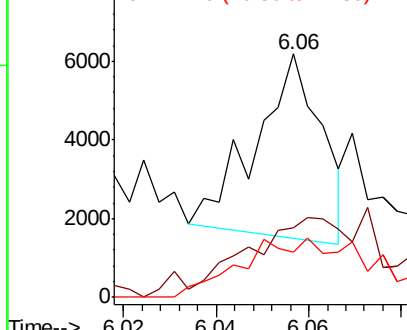
Lab File: ClientSampleId:

Acq: 15 Apr 2022 00:00

Tot Ion:	42	Resp:	4620
Ion	Ratio	Lower	Upper
42	100		
72	108.1	31.4	47.0#
71	75.9	30.2	45.4#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.173 ppbv

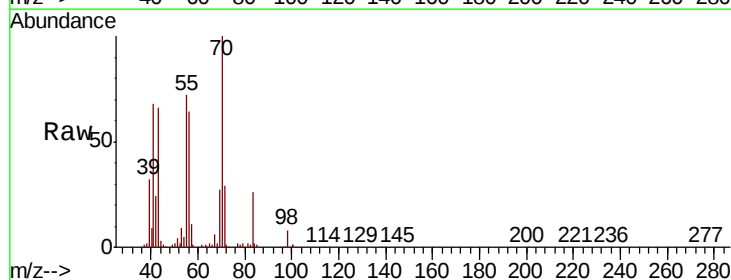
RT: 7.79 min Scan# 1557

Delta R.T. 0.01 min

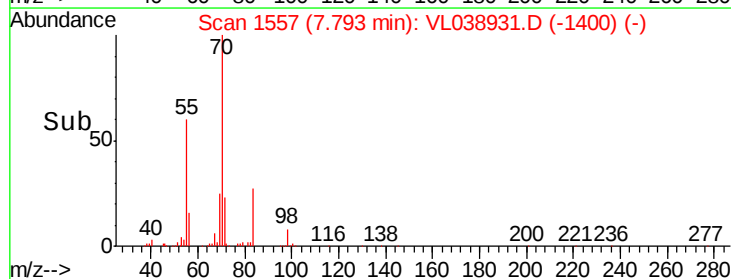
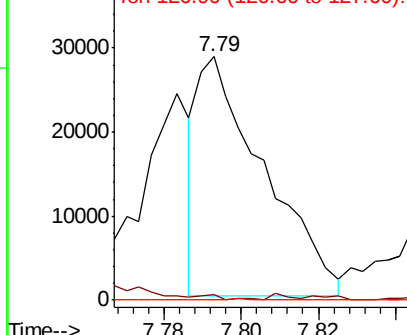
Lab File: VL038931.D

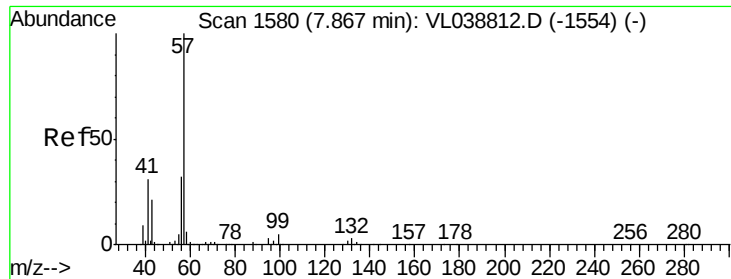
Acq: 15 Apr 2022 00:06

Tgt Ion:	83	Resp:	33867
Ion	Ratio	Lower	Upper
83	100		
85	1.6	51.7	77.5#
127	0.0	5.9	8.9#



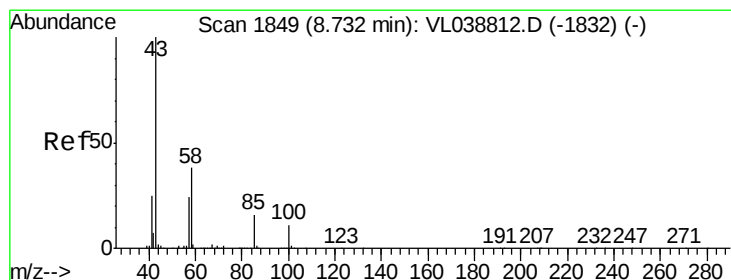
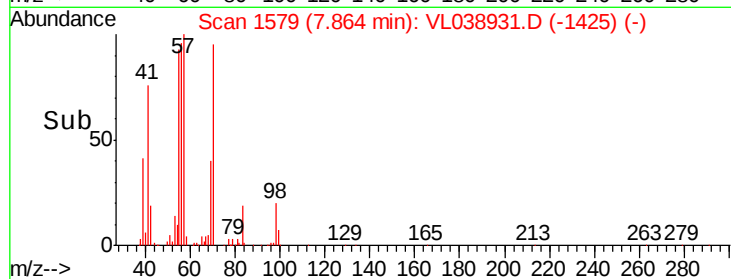
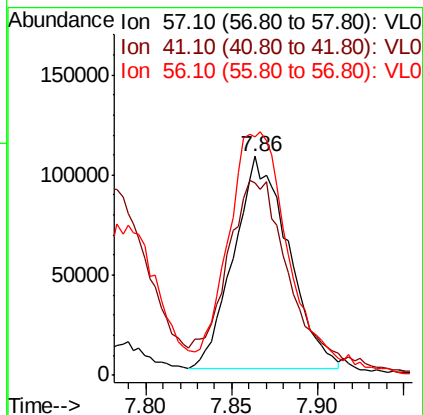
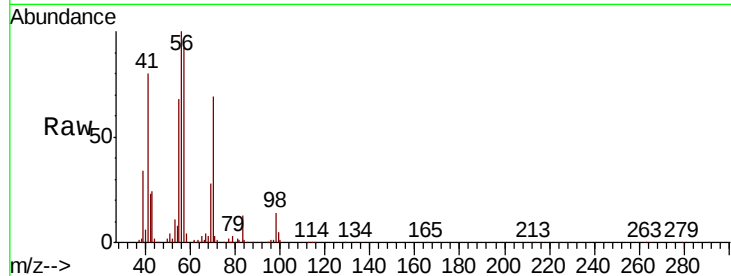
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0
Ion 126.90 (126.60 to 127.60): V





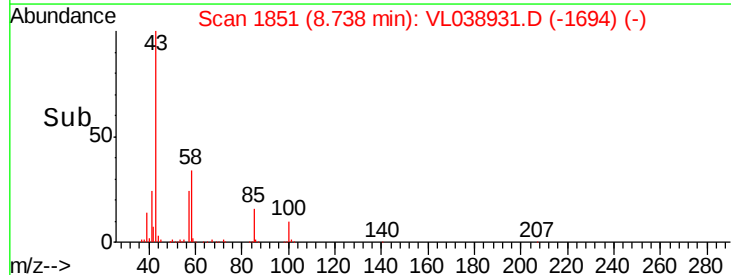
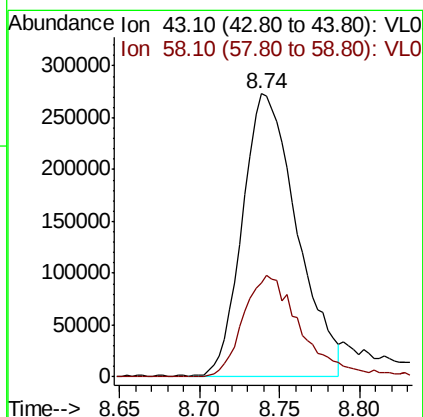
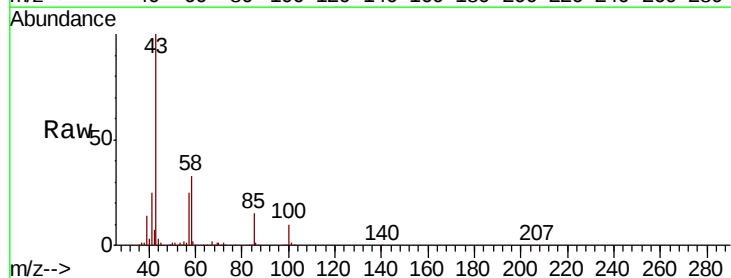
#44
 2,2,4-Trimethylpentane
 Concen: 0.506 ppbv
 RT: 7.86 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

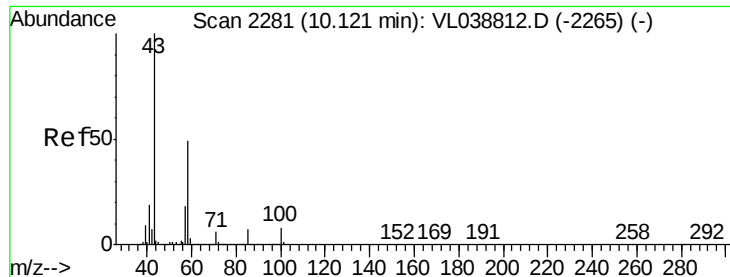
Tot Ion	57	Resp	232923
Ion	Ratio	Lower	Upper
57	100		
41	106.6	25.0	37.4#
56	131.7	25.3	37.9#



#50
 4-Methyl-2-Pentanone
 Concen: 2.403 ppbv
 RT: 8.74 min Scan# 1851
 Delta R.T. 0.01 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

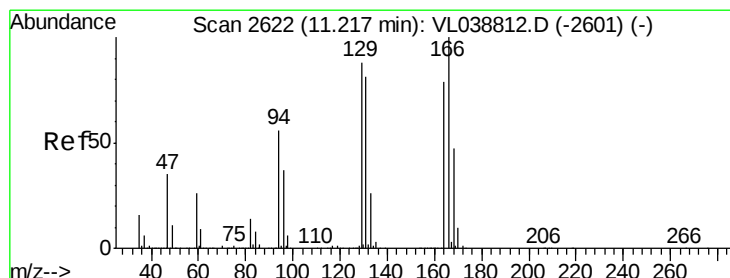
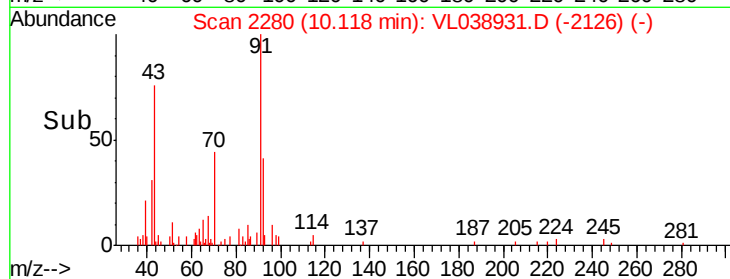
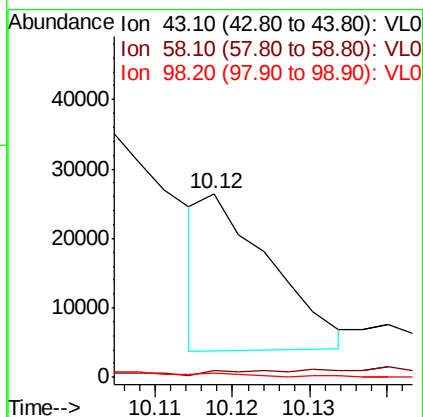
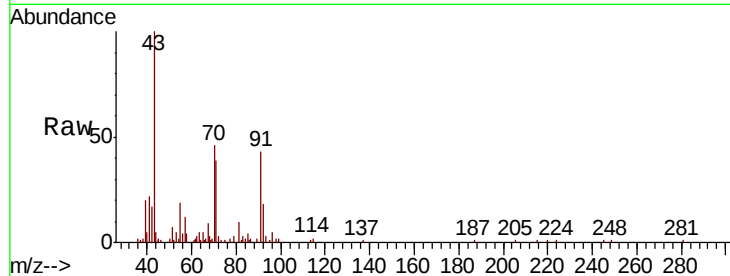
Tgt Ion	43	Resp	637932
Ion	Ratio	Lower	Upper
43	100		
58	38.6	29.0	43.6





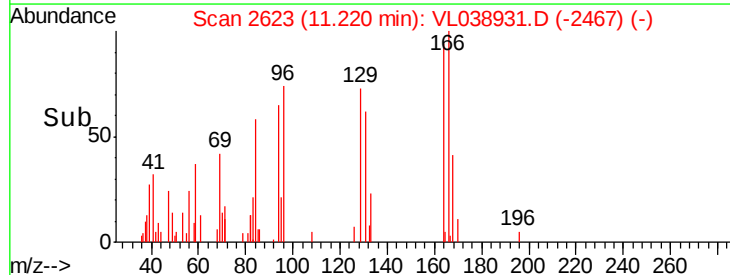
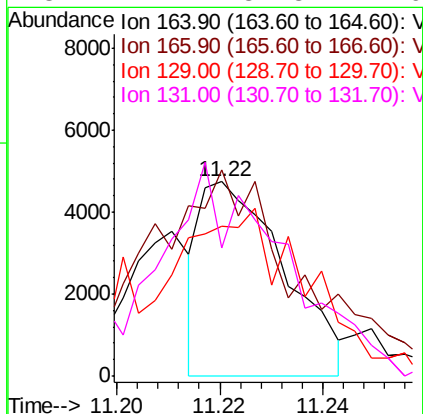
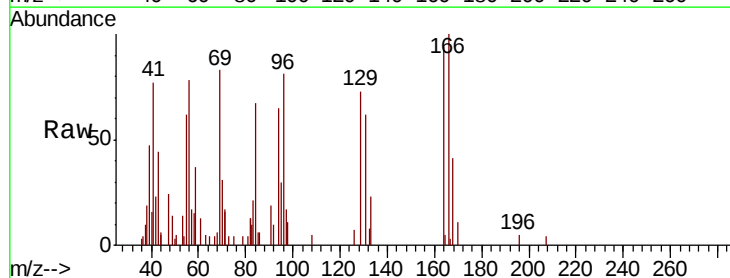
#51
2-Hexanone
Concen: 0.069 ppbv
RT: 10.12 min
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 15 Apr 2022 00:00

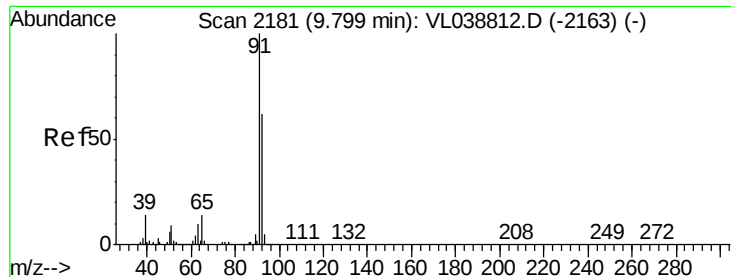
Tot Ion: 43 Resp: 13775
Ion Ratio Lower Upper
43 100
58 33.4 41.4 62.0#
98 0.0 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.056 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.00 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

Tgt Ion: 164 Resp: 5348
Ion Ratio Lower Upper
164 100
166 78.3 101.0 151.6#
129 60.5 88.7 133.1#
131 41.1 81.8 122.6#





#53

Toluene

Concen: 46.520 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

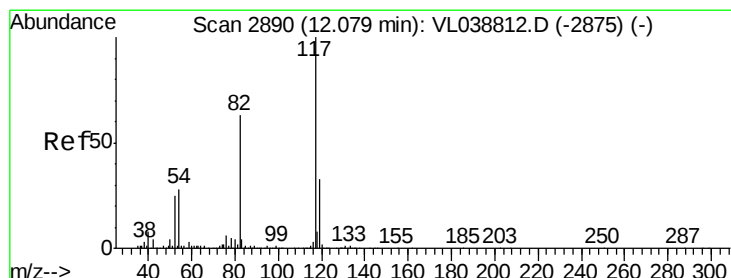
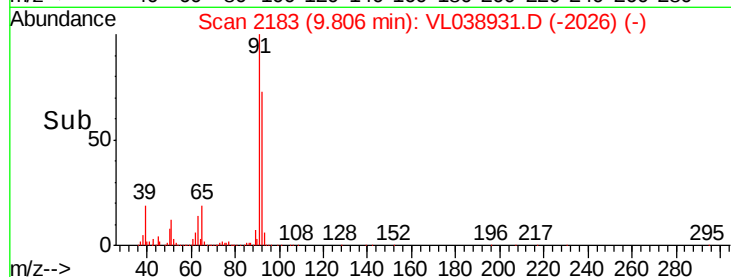
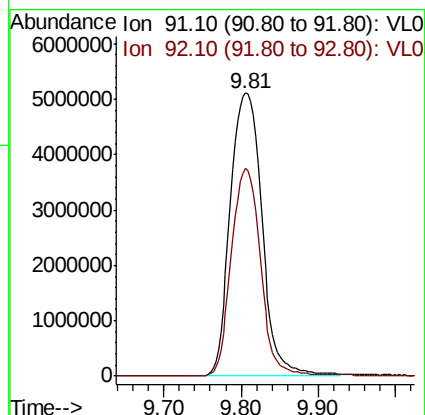
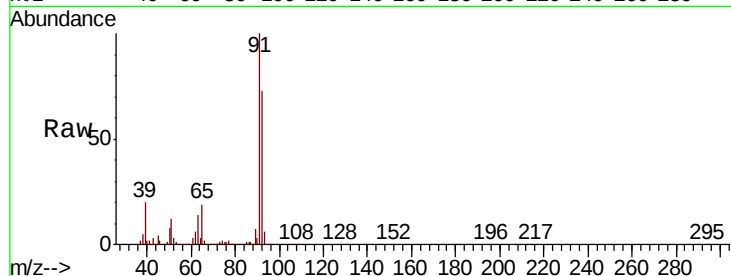
Acq: 15 Apr 2022 00:00

Tot Ion: 91 Resp: 14590705

Ion Ratio Lower Upper

91 100

92 68.0 49.2 73.8



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2890

Delta R.T. -0.00 min

Lab File: VL038931.D

Acq: 15 Apr 2022 00:06

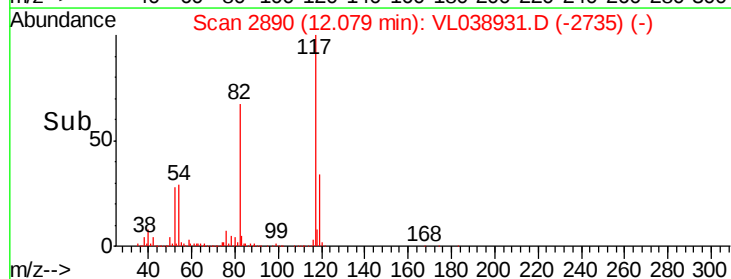
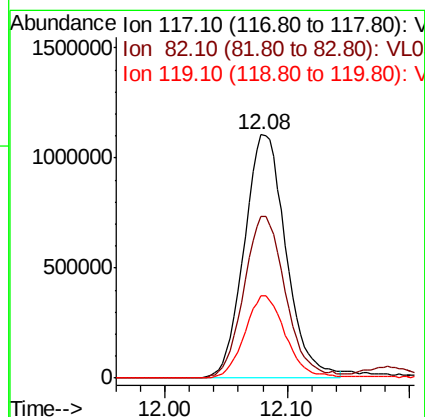
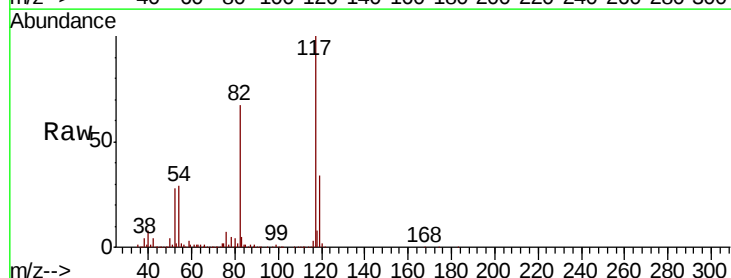
Tgt Ion: 117 Resp: 2617225

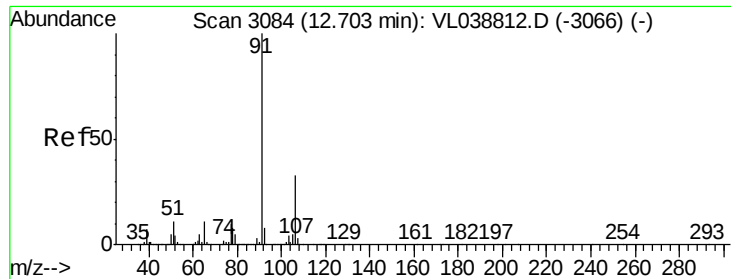
Ion Ratio Lower Upper

117 100

82 66.4 53.0 79.6

119 34.0 24.9 37.3





#58

Ethyl Benzene

Concen: 2.058 ppbv

RT: 12.71 min

Delta R.T. MSVOA_L

Lab File:

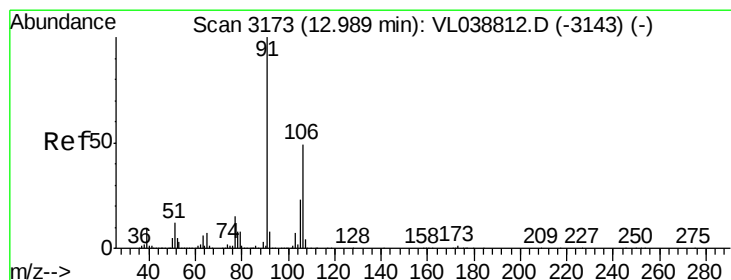
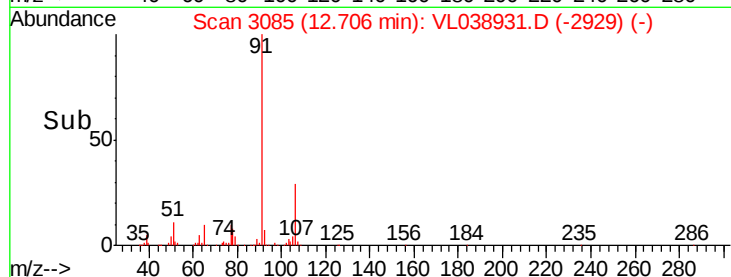
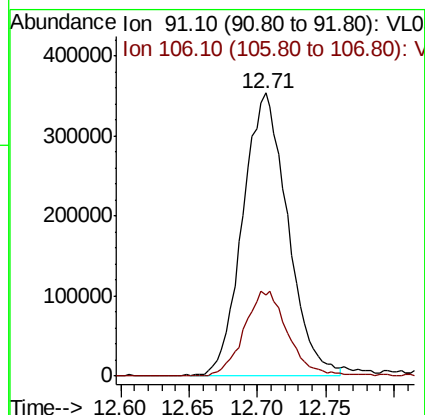
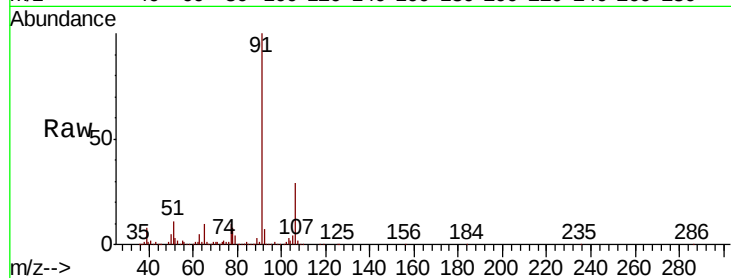
Acq: 15 Apr 2022 00:00

Tot Ion: 91 Resp: 804818

Ion Ratio Lower Upper

91 100

106 28.6 26.7 40.1



#59

m/p-Xylene

Concen: 5.872 ppbv

RT: 12.96 min Scan# 3164

Delta R.T. -0.03 min

Lab File: VL038931.D

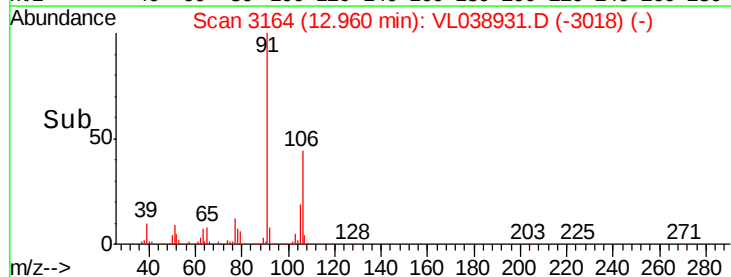
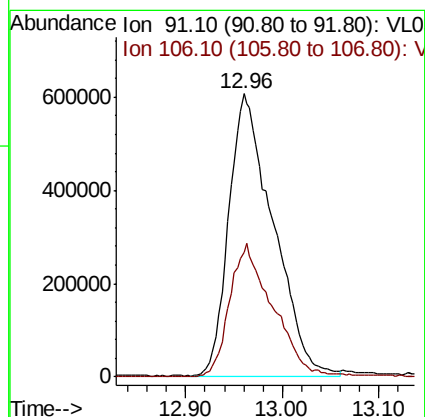
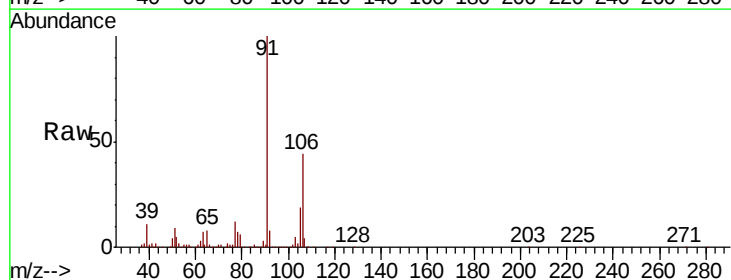
Acq: 15 Apr 2022 00:06

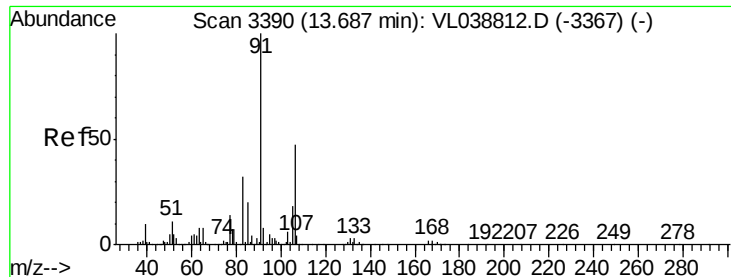
Tgt Ion: 91 Resp: 1929239

Ion Ratio Lower Upper

91 100

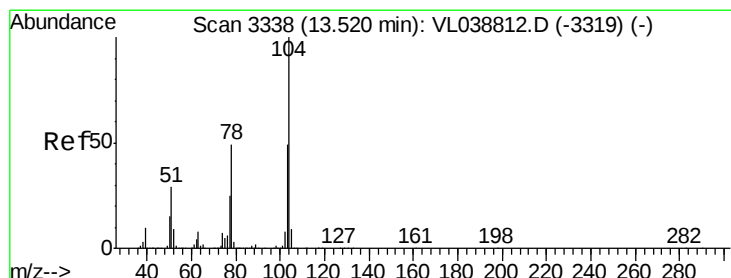
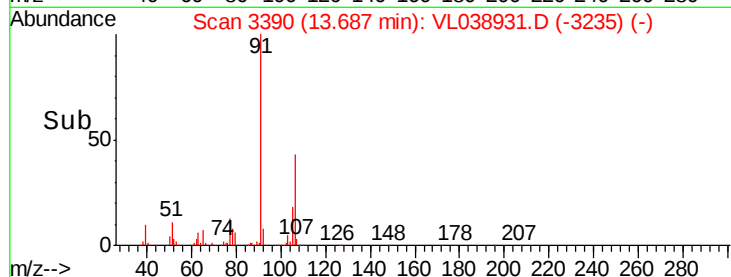
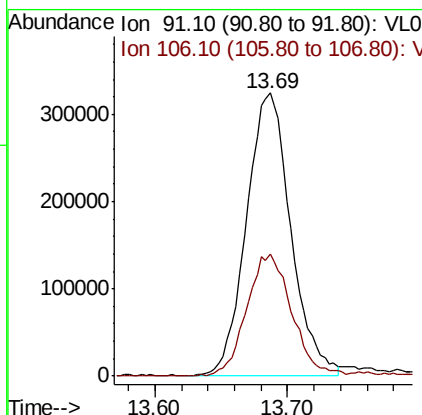
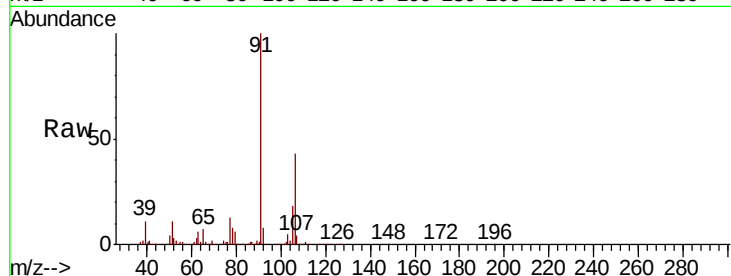
106 45.7 37.1 55.7





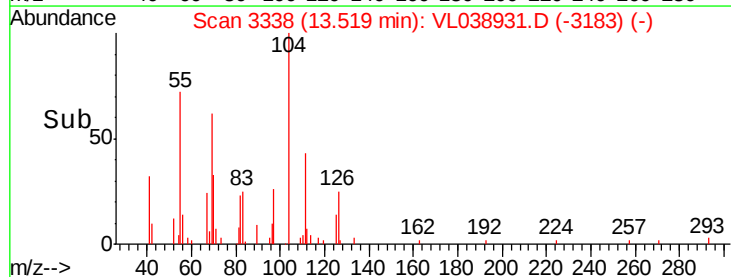
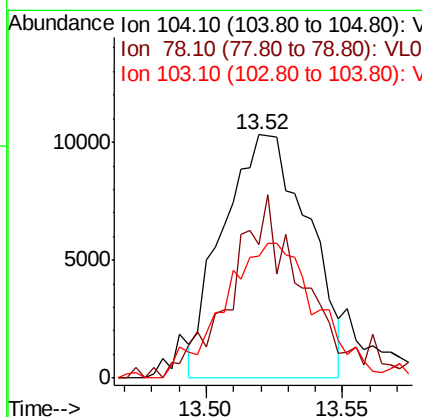
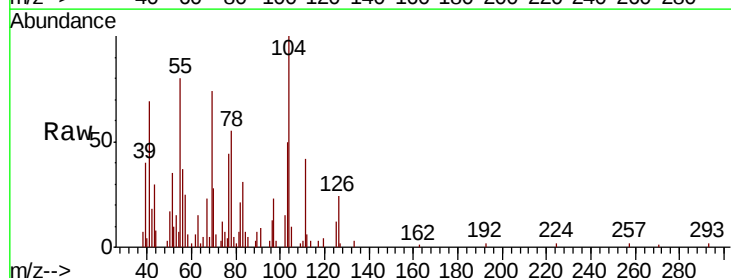
#60
o-Xylene
Concen: 2.443 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 15 Apr 2022 00:00

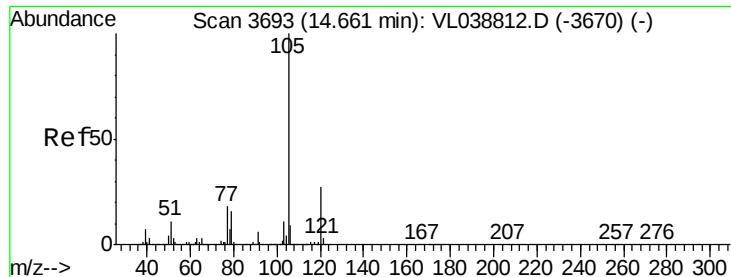
Tot Ion: 91 Resp: 751093
Ion Ratio Lower Upper
91 100
106 45.3 23.8 71.4



#61
Styrene
Concen: 0.120 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL038931.D
Acq: 15 Apr 2022 00:06

Tgt Ion:104 Resp: 22390
Ion Ratio Lower Upper
104 100
78 67.3 40.5 60.7#
103 65.6 39.0 58.4#





#62

Isopropylbenzene

Concen: 0.146 ppbv

RT: 14.66 min

Delta R.T. MSVOA_L

Lab File:

ClientSampleId:

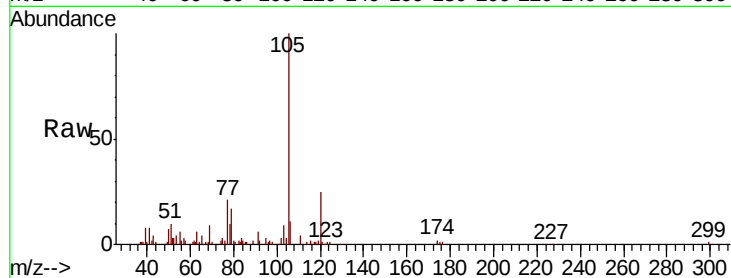
Acq: 15 Apr 2022 00:00

Tot Ion:105 Resp: 67253

Ion Ratio Lower Upper

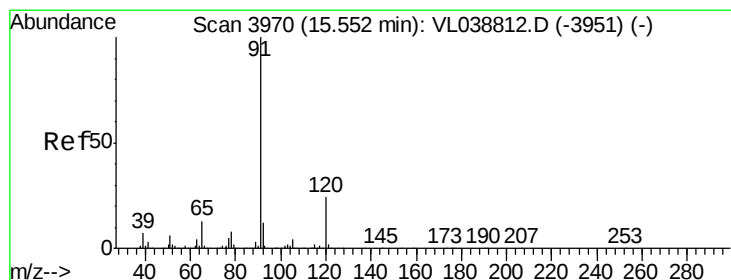
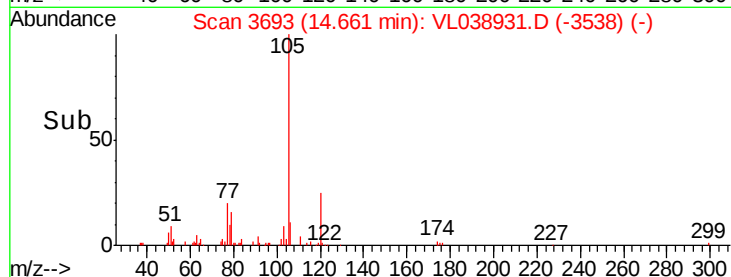
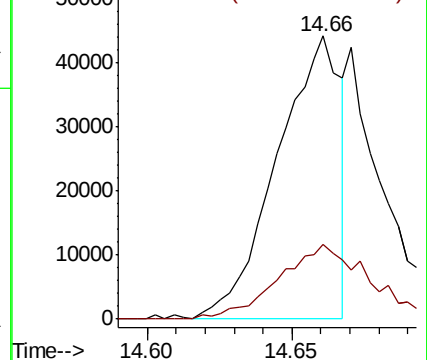
105 100

120 38.1 21.8 32.8#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#64

n-propylbenzene

Concen: 0.434 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038931.D

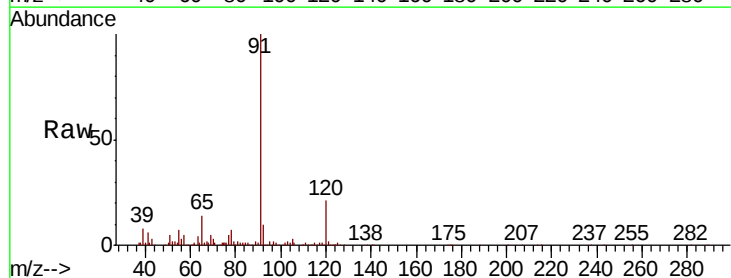
Acq: 15 Apr 2022 00:06

Tgt Ion:120 Resp: 51952

Ion Ratio Lower Upper

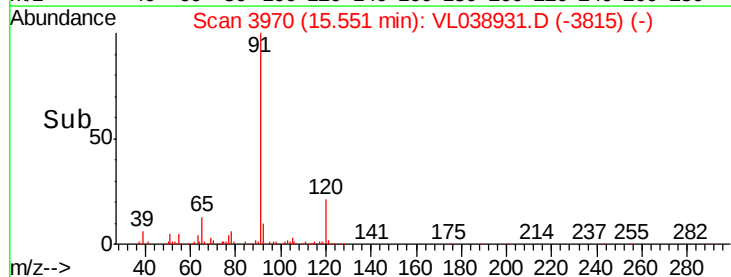
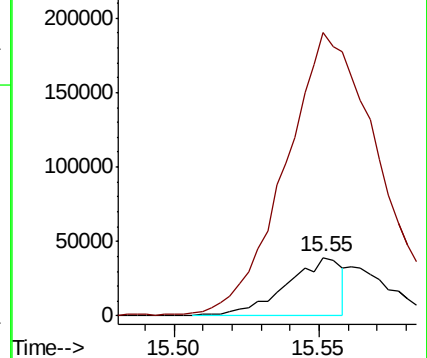
120 100

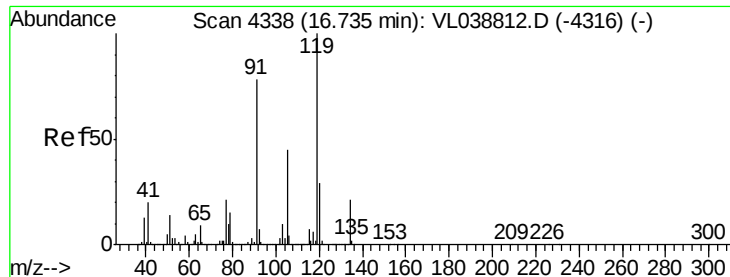
91 849.0 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

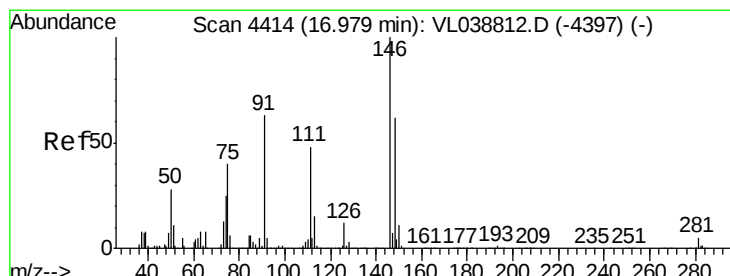
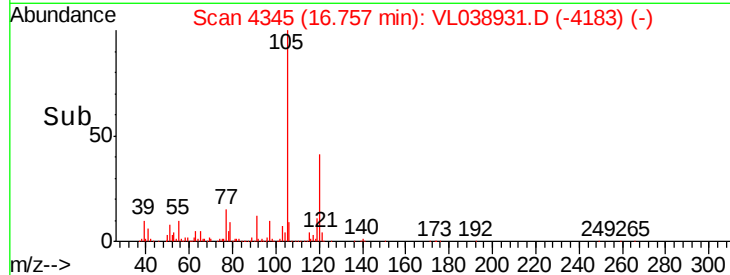
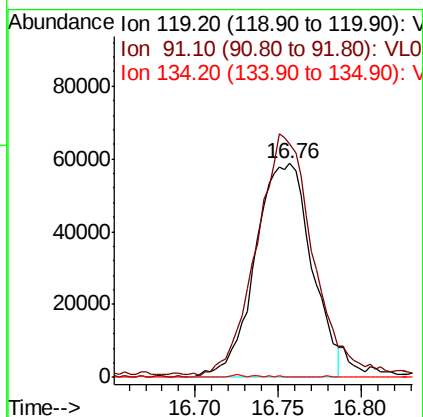
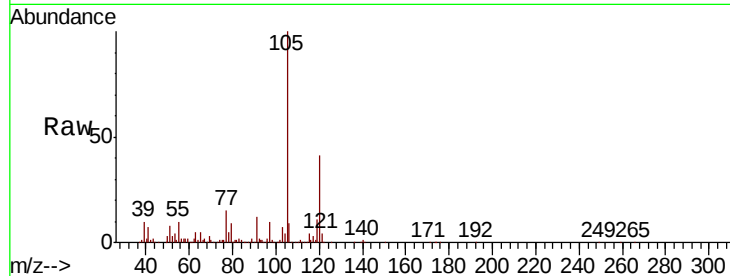
Ion 91.10 (90.80 to 91.80): VL0





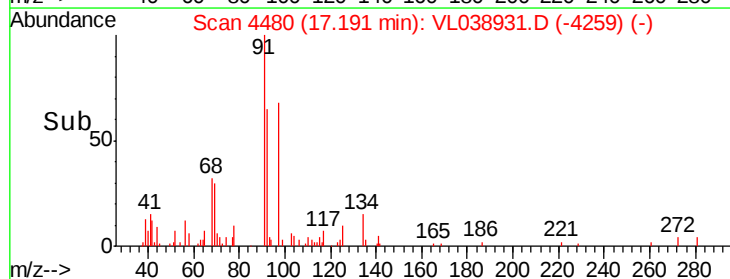
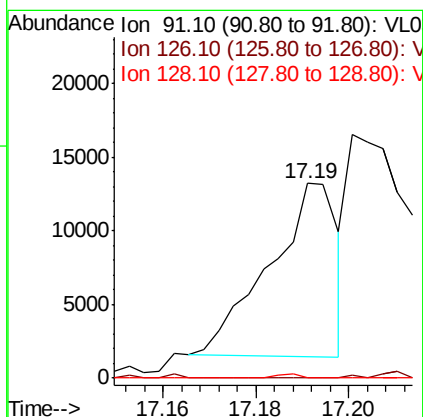
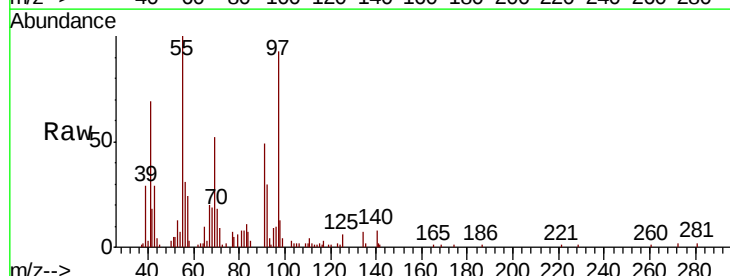
#65
 tert-Butylbenzene
 Concen: 0.339 ppbv
 RT: 16.76 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

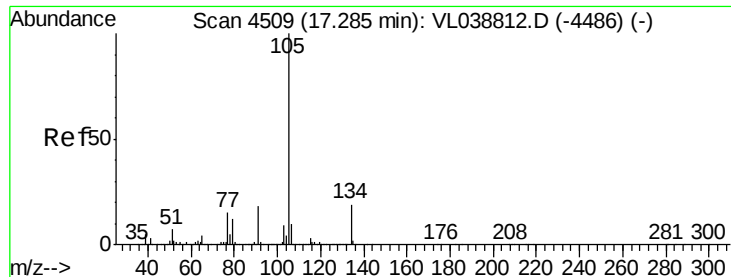
Tot Ion	Ratio	Lower	Upper
119	100		
91	114.2	62.8	94.2#
134	0.7	16.2	24.4#



#66
 Benzyl Chloride
 Concen: 0.143 ppbv
 RT: 17.19 min Scan# 4480
 Delta R.T. 0.21 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

Tgt Ion	Ratio	Lower	Upper
91	100		
126	0.7	15.4	23.0#
128	0.0	4.7	7.1#





#67

sec-Butylbenzene

Concen: 0.187 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

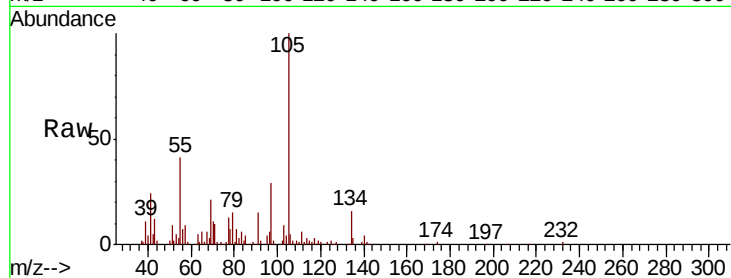
Acq: 15 Apr 2022 00:00

Tot Ion: 105 Resp: 107414

Ion Ratio Lower Upper

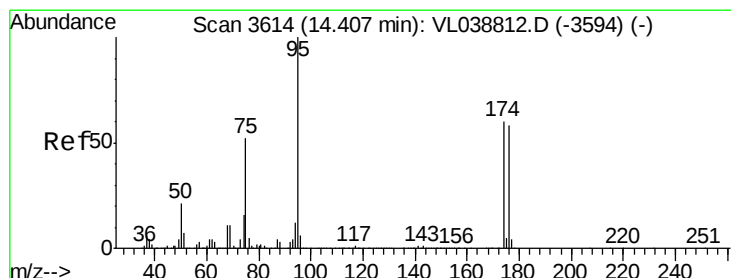
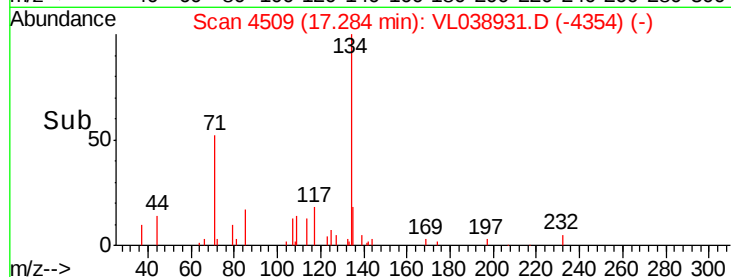
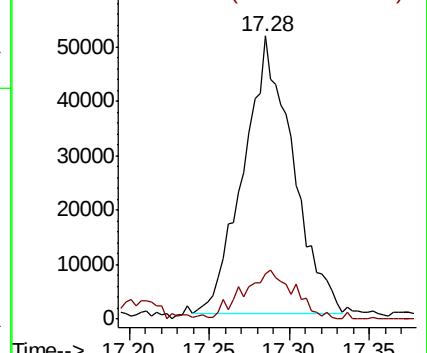
105 100

134 18.7 15.1 22.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.430 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038931.D

Acq: 15 Apr 2022 00:06

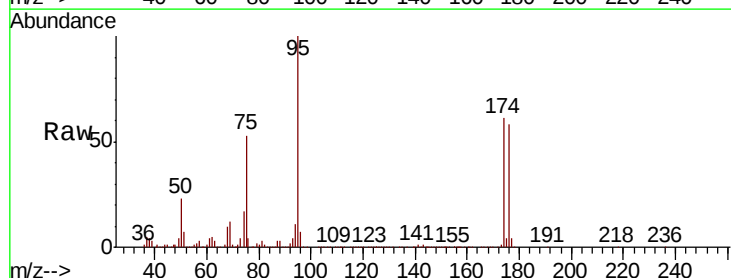
Tgt Ion: 95 Resp: 2070699

Ion Ratio Lower Upper

95 100

174 64.8 52.0 78.0

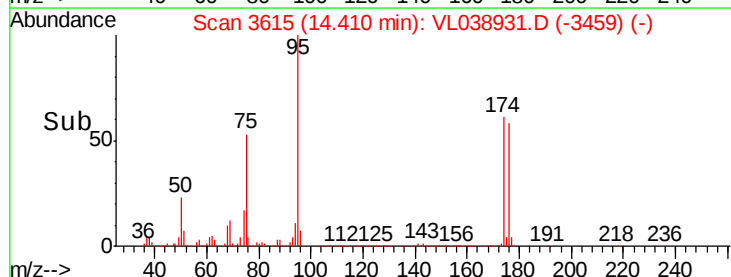
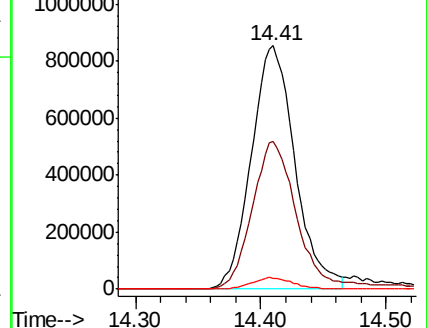
175 4.7 4.0 6.0

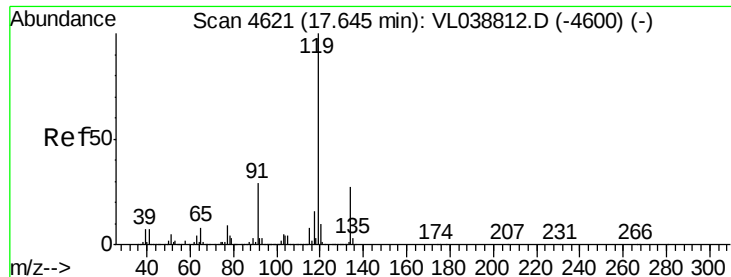


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

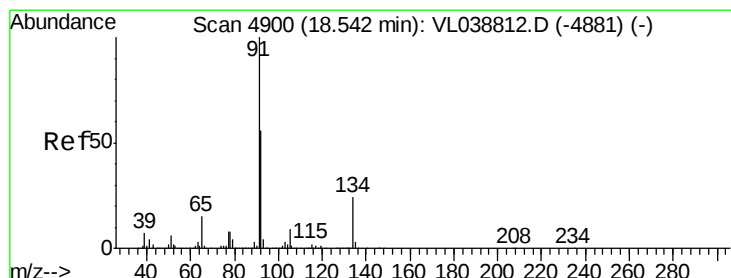
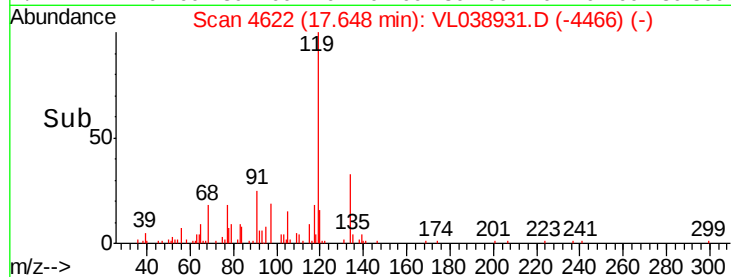
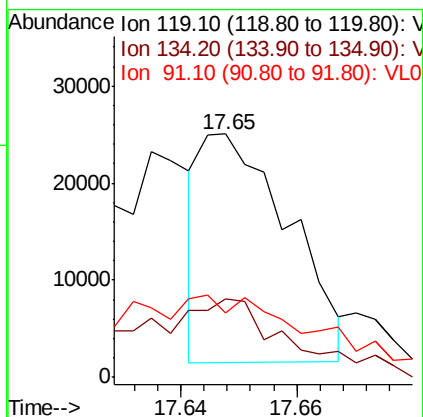
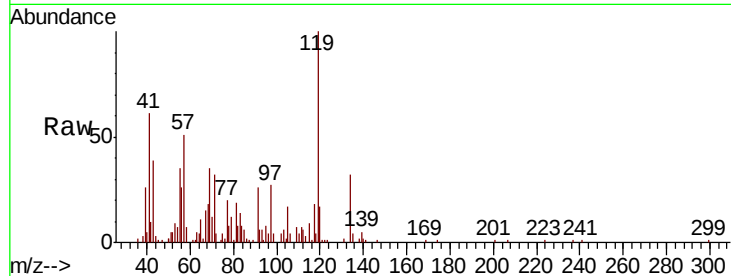
Ion 175.00 (174.70 to 175.70): V





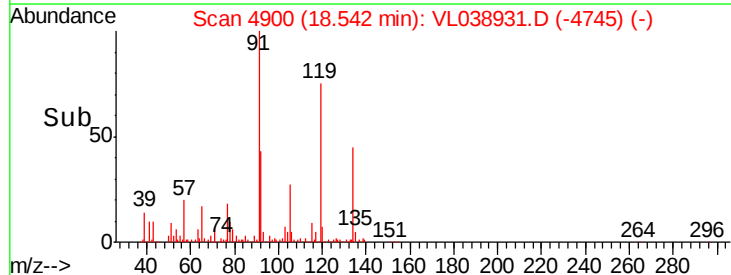
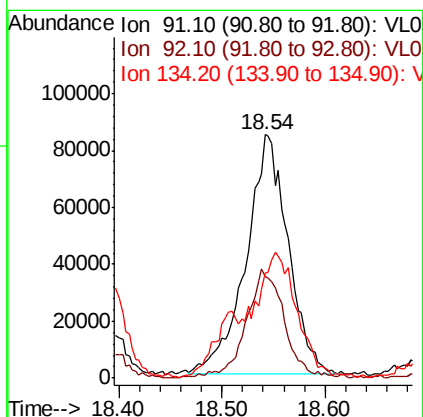
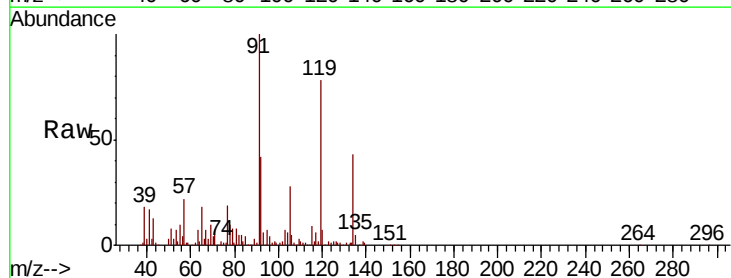
#69
 p-Isopropyltoluene
 Concen: 0.052 ppbv
 RT: 17.65
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

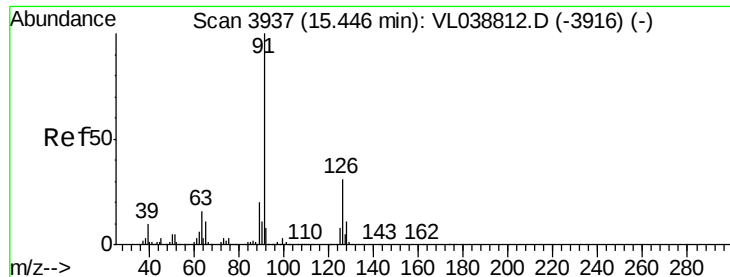
Tot Ion	Ratio	Lower	Upper
119	100		
134	66.1	20.8	31.2#
91	71.0	22.6	34.0#



#70
 n-Butylbenzene
 Concen: 0.501 ppbv
 RT: 18.54 min Scan# 4900
 Delta R.T. -0.00 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

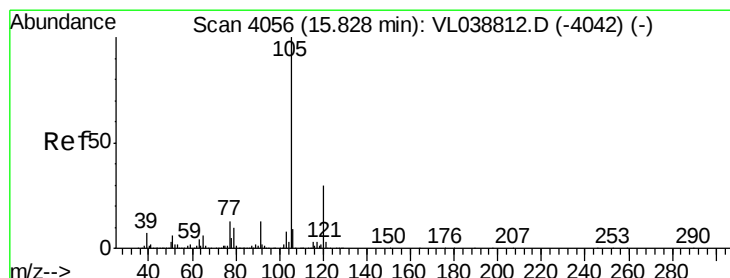
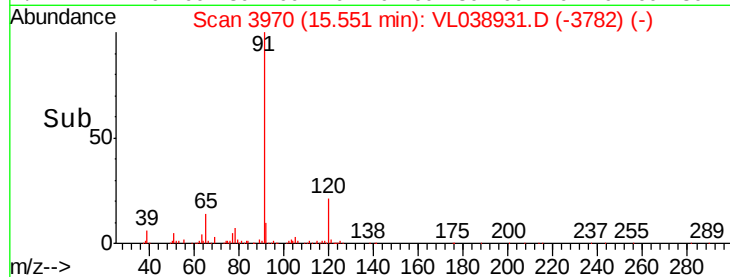
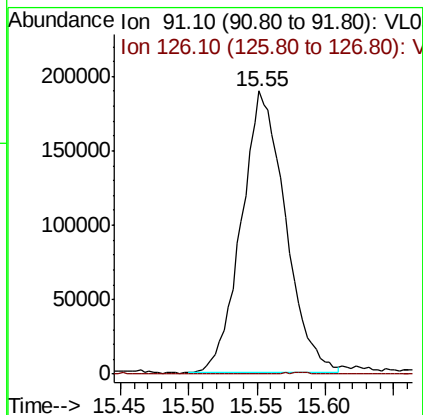
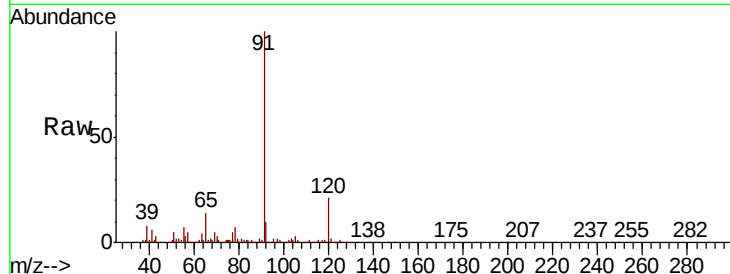
Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.2	44.6	66.8#
134	68.1	19.2	28.8#





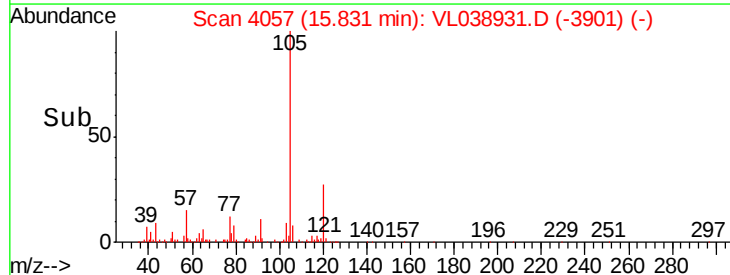
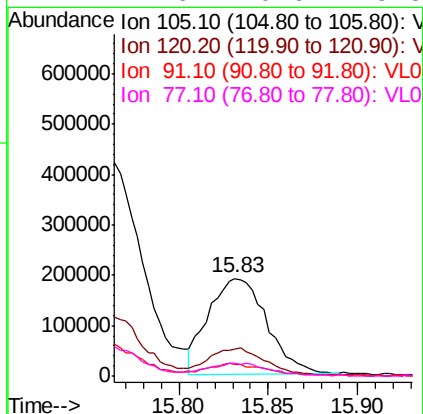
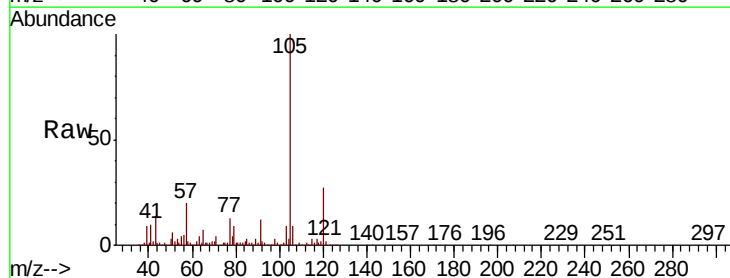
#71
 2-Chlorotoluene
 Concen: 1.219 ppbv
 RT: 15.55 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 00:00

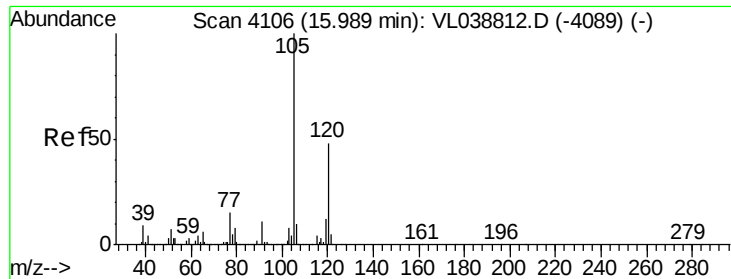
Tot Ion: 91 Resp: 422882
 Ion Ratio Lower Upper
 91 100
 126 0.5 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 1.170 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038931.D
 Acq: 15 Apr 2022 00:06

Tgt Ion:105 Resp: 429547
 Ion Ratio Lower Upper
 105 100
 120 30.8 24.3 36.5
 91 12.4 9.4 14.2
 77 14.6 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 1.151 ppbv

RT: 15.99 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

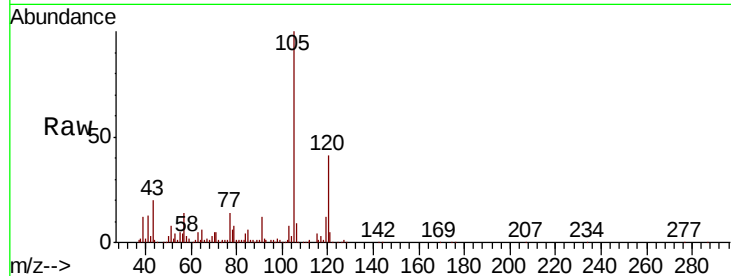
Acq: 15 Apr 2022 00:00

Tot Ion:105 Resp: 379580

Ion Ratio Lower Upper

105 100

120 41.1 38.7 58.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

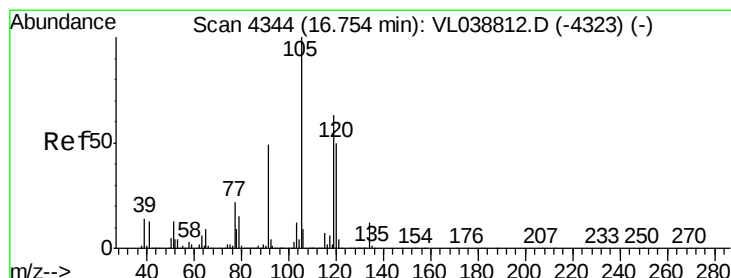
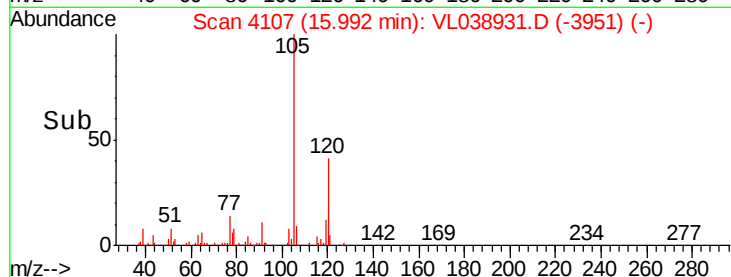
150000

100000

50000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 3.835 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL038931.D

Acq: 15 Apr 2022 00:06

Tgt Ion:105 Resp: 1336974

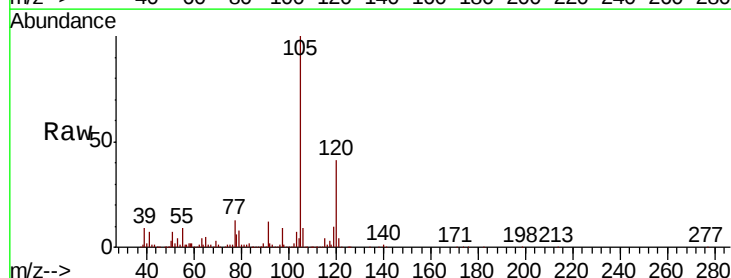
Ion Ratio Lower Upper

105 100

120 41.2 39.8 59.8

91 11.6 39.4 59.0#

77 13.2 17.3 25.9#



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

800000

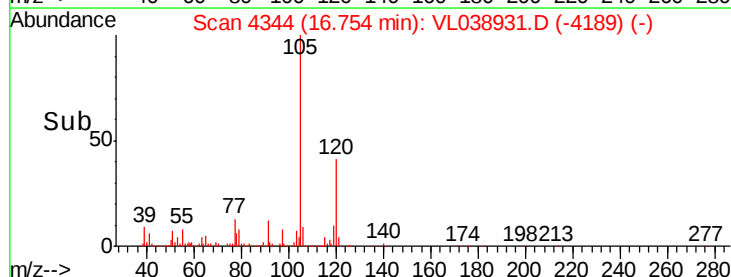
600000

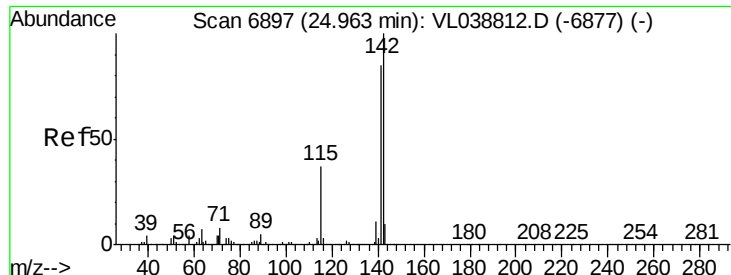
400000

200000

0

Time--> 16.70 16.80





#80
 Naphthalene, 2-methyl-
 Concen: 0.479 ppbv
 RT: 24.97
 Delta R.T: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 08:08

Tot Ion	Ratio	Lower	Upper
142	100		
141	99.5	68.8	103.2
115	132.9	31.6	47.4

