

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038933.D
 Acq On : 15 Apr 2022 1:26
 Operator : SY/AP
 Sample : N2259-07
 Misc : 400mL/MSVOA L
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 15 08:09:54 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	1215257	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3068732	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2758408	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2188253	10.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.60%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.05	85	52362	0.304	ppbv 96
3) Chlorodifluoromethane	2.97	51	5625947	37.933	ppbv # 62
4) Chloromethane	3.14	50	38105	0.496	ppbv 89
9) Propene	3.20	41	175314	2.234	ppbv 90
10) Heptane	8.12	43	3598380	18.206	ppbv 97
11) Trichlorofluoromethane	3.95	101	566591	4.090	ppbv 98
13) Ethanol	3.61	45	740389	155.261	ppbv # 100
15) Acetone	3.85	43	28055377	231.882	ppbv # 68
16) 1,3-Butadiene	3.31	39	19219	0.278	ppbv 95
17) tert-Butyl alcohol	4.12	59	25691	0.237	ppbv # 1
19) Isopropyl Alcohol	3.97	45	464931	7.519	ppbv # 100
20) Methylene Chloride	4.35	84	196991	4.489	ppbv 97
21) Allyl Chloride	4.37	41	9792	0.108	ppbv # 21
23) Vinyl Acetate	5.06	43	59289	0.503	ppbv # 1
25) Ethyl Acetate	5.67	43	477208	1.554	ppbv 99
26) Hexane	5.69	57	226332	1.620	ppbv 96
30) Cyclohexane	7.12	84	71904	0.584	ppbv # 37
31) cis-1,2-Dichloroethene	5.67	61	33939	0.264	ppbv # 29
34) 2-Butanone	5.25	43	233558	1.926	ppbv 97
36) Benzene	6.89	78	335897	1.203	ppbv 97
39) 1,2-Dichloropropane	7.24	63	9999	0.094	ppbv # 1
41) Tetrahydrofuran	6.06	42	7844	0.068	ppbv # 40
42) Bromodichloromethane	7.79	83	82162	0.408	ppbv # 25
44) 2,2,4-Trimethylpentane	7.87	57	273282	0.578	ppbv # 1
50) 4-Methyl-2-Pentanone	8.74	43	206012	0.755	ppbv 100
51) 2-Hexanone	10.10	43	46665	0.227	ppbv # 37
53) Toluene	9.81	91	17450349	54.148	ppbv 87
58) Ethyl Benzene	12.71	91	806223	1.956	ppbv 91
59) m/p-Xylene	12.96	91	2077114	5.998	ppbv 99
60) o-Xylene	13.69	91	826703	2.551	ppbv 94
61) Styrene	13.52	104	46045	0.233	ppbv # 84
62) Isopropylbenzene	14.66	105	55108	0.113	ppbv # 58
64) n-propylbenzene	15.55	120	89069	0.705	ppbv 81
65) tert-Butylbenzene	16.75	119	152105	0.352	ppbv # 69
66) Benzyl Chloride	17.20	91	22849	0.260	ppbv # 65
67) sec-Butylbenzene	17.28	105	47040	0.078	ppbv 97
69) p-Isopropyltoluene	17.64	119	26865	0.054	ppbv # 44
70) n-Butylbenzene	18.54	91	94772	0.189	ppbv # 56
71) 2-Chlorotoluene	15.55	91	418555	1.144	ppbv # 43
72) 4-Ethyltoluene	15.83	105	445210	1.151	ppbv 100
73) 1,3,5-Trimethylbenzene	15.99	105	383587	1.104	ppbv 86

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Instrument :
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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

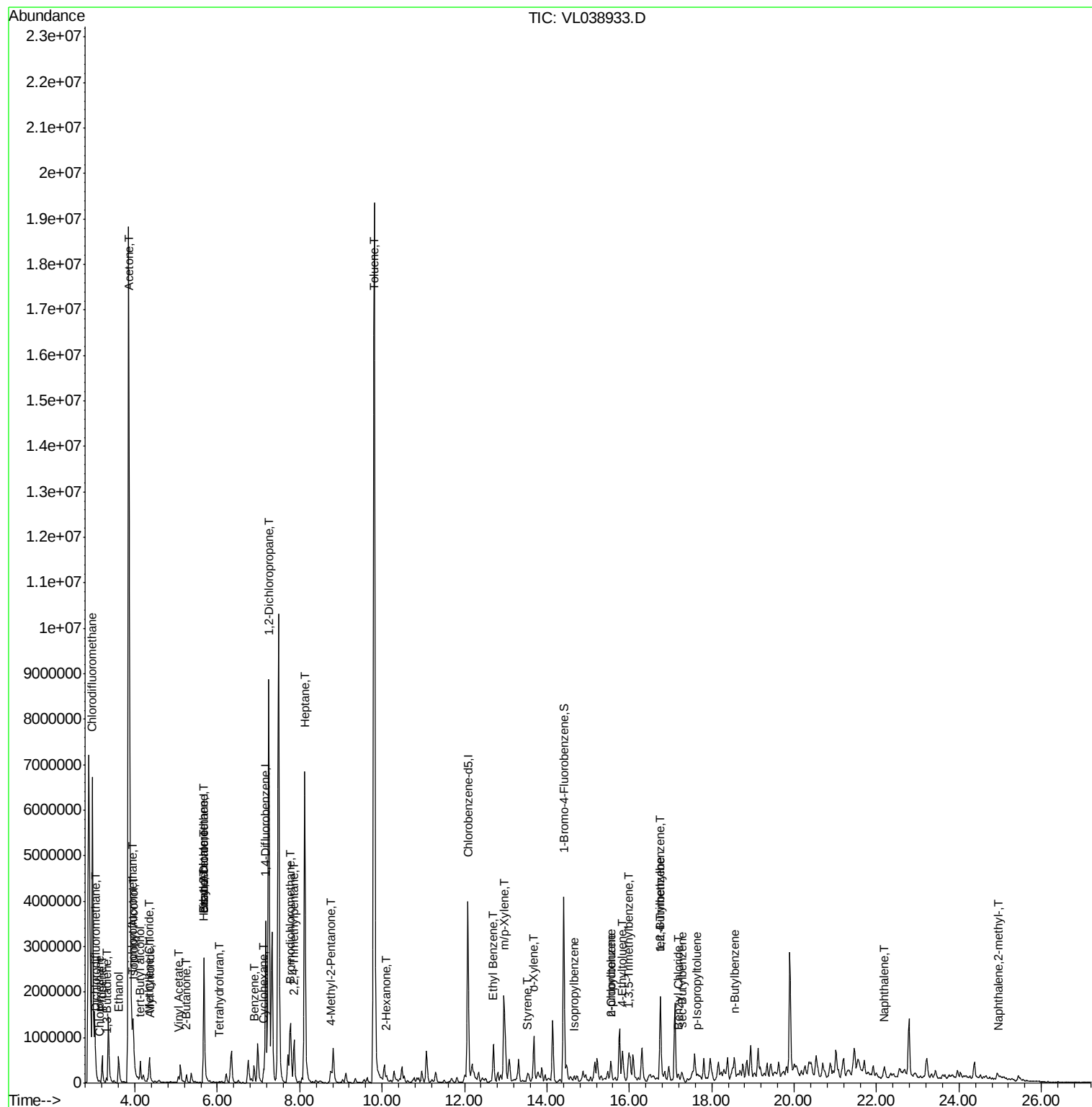
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
74) 1,2,4-Trimethylbenzene	16.75	105	1370590	3.730	ppbv #	69
79) Naphthalene	22.18	128	44151	0.161	ppbv #	96
80) Naphthalene,2-methyl-	24.96	142	35206	0.520	ppbv #	67

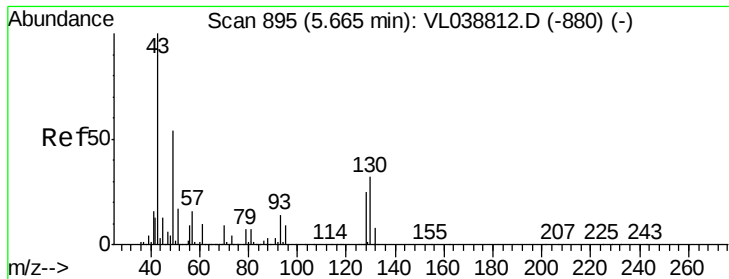
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 1:26

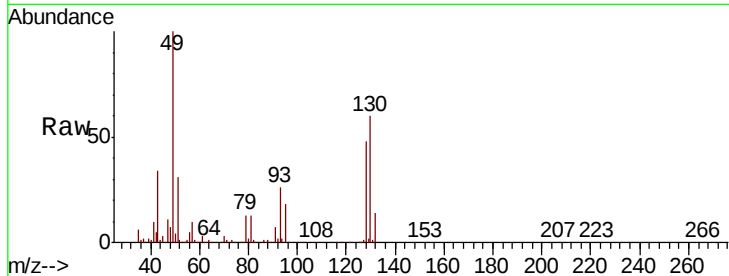
Tot Ion: 49 Resp: 1215257

Ion Ratio Lower Upper

49 100

128 48.0 24.1 72.3

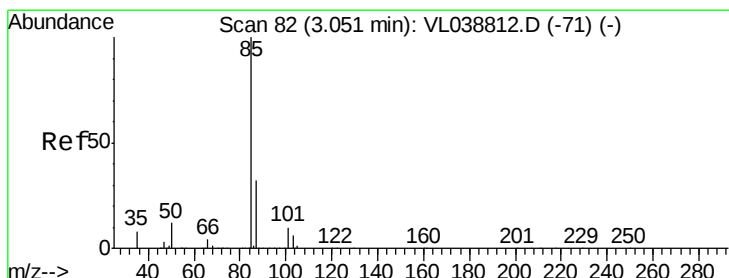
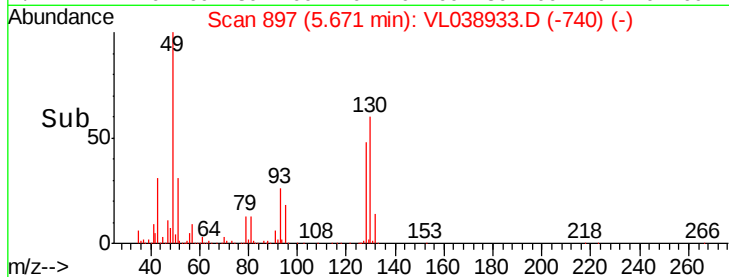
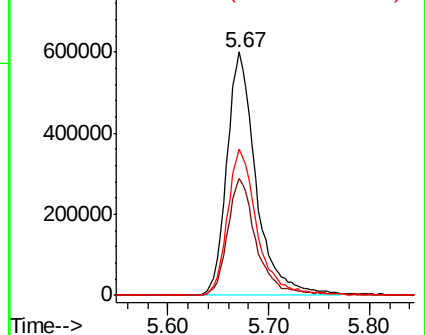
130 61.3 30.9 92.8



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: 0.304 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.00 min

Lab File: VL038933.D

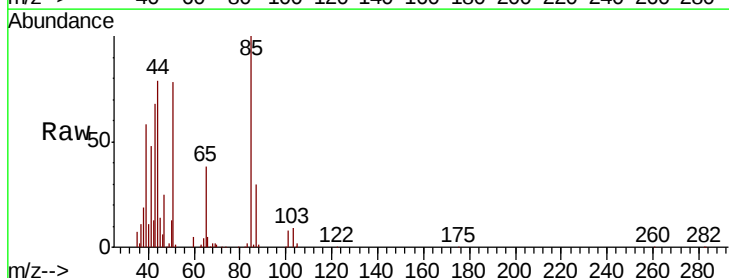
Acq: 15 Apr 2022 1:26

Tgt Ion: 85 Resp: 52362

Ion Ratio Lower Upper

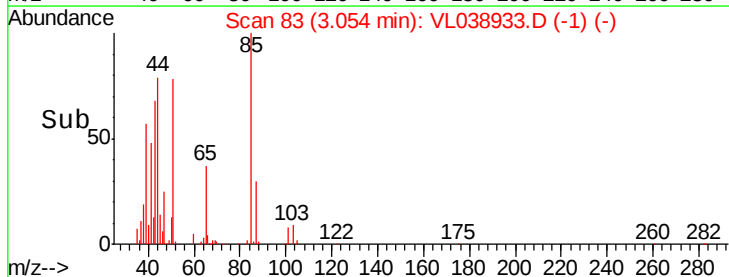
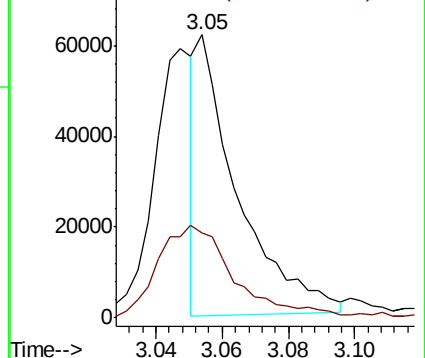
85 100

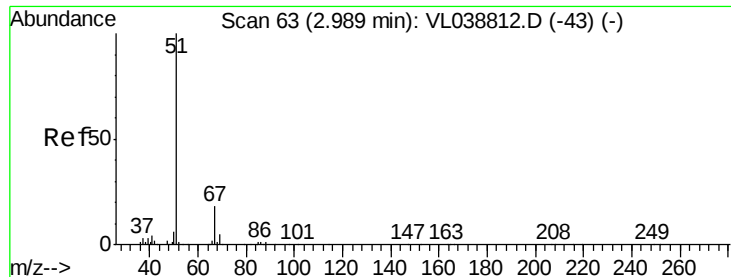
87 30.2 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 37.933 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

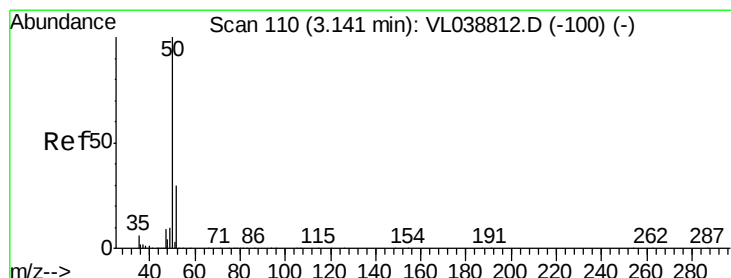
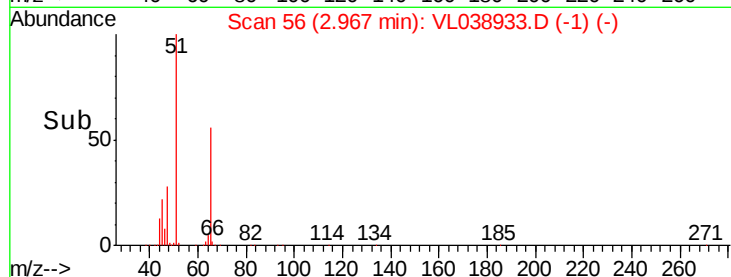
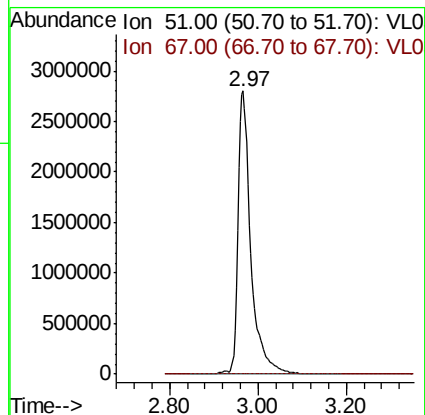
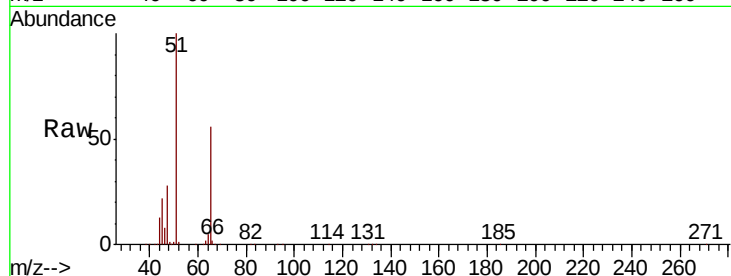
Acq: 15 Apr 2022 1:28

Tot Ion: 51 Resp: 5625947

Ion Ratio Lower Upper

51 100

67 0.2 13.4 20.0#



#4

Chloromethane

Concen: 0.496 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL038933.D

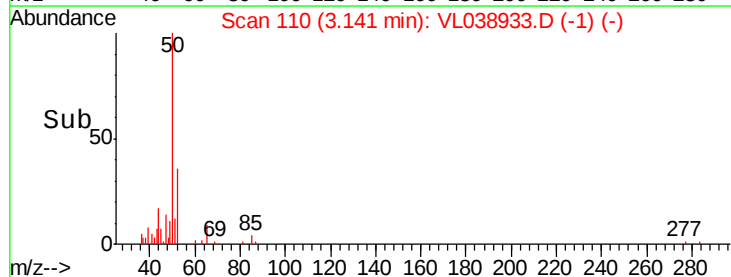
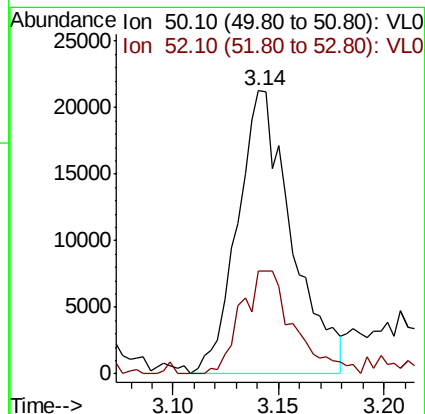
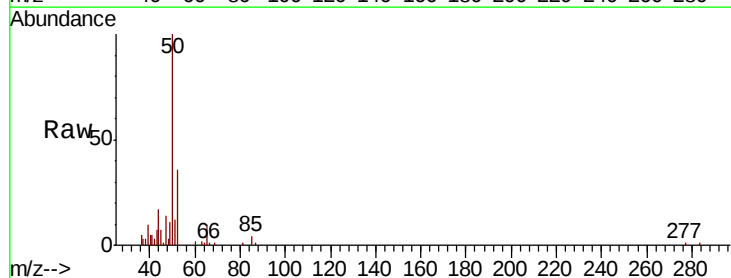
Acq: 15 Apr 2022 1:26

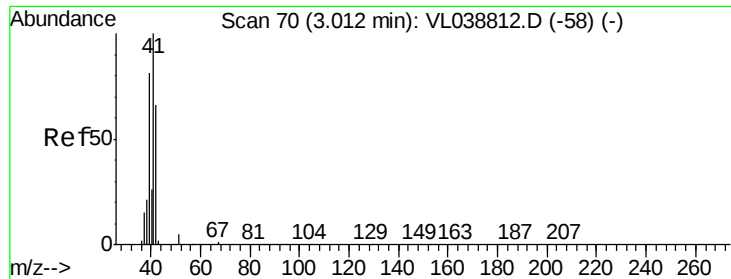
Tgt Ion: 50 Resp: 38105

Ion Ratio Lower Upper

50 100

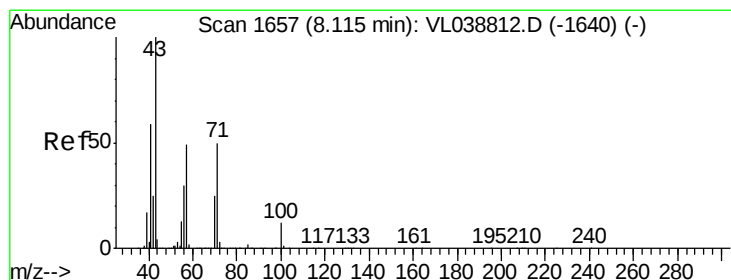
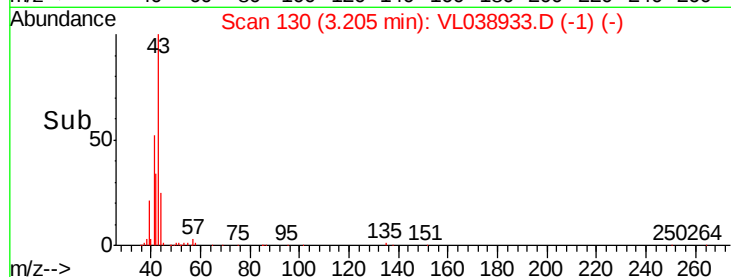
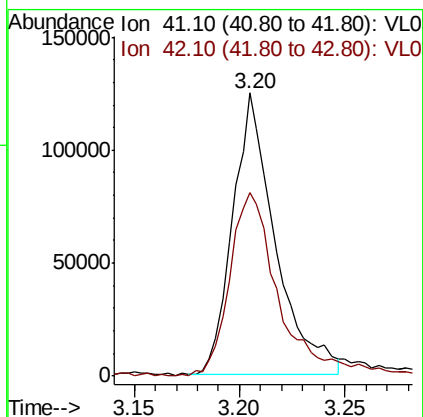
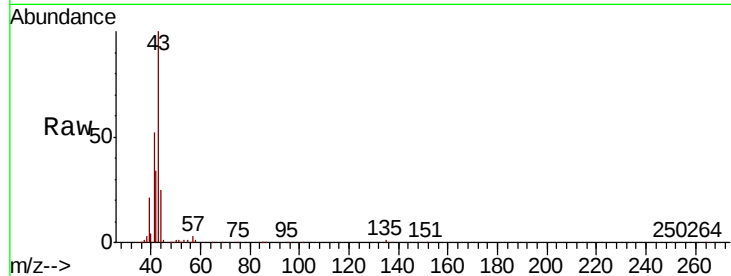
52 36.4 24.3 36.5





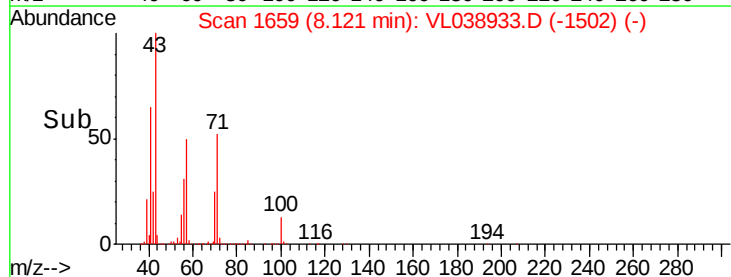
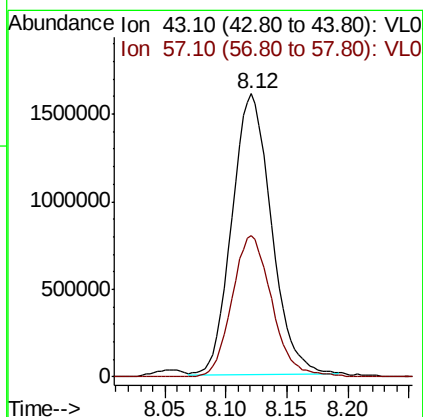
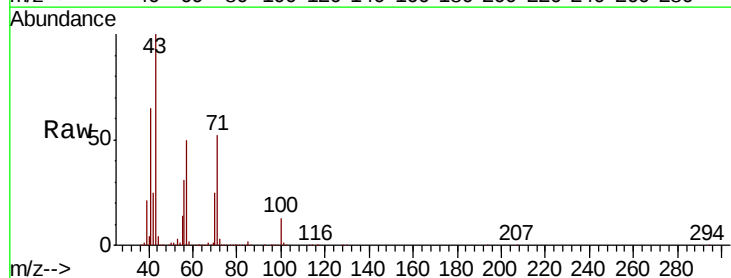
#9
 Propene
 Concen: 2.234 ppbv
 RT: 3.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 1:20

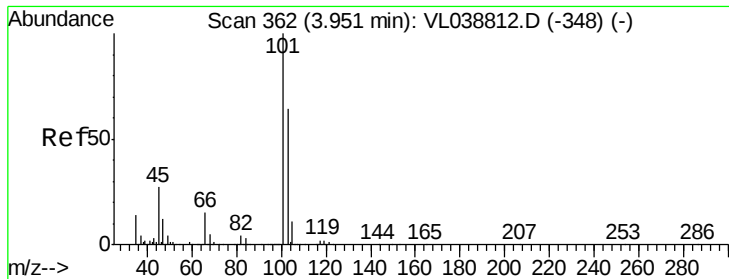
Tot Ion: 41 Resp: 175314
 Ion Ratio Lower Upper
 41 100
 42 76.0 54.2 81.4



#10
 Heptane
 Concen: 18.206 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. 0.01 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

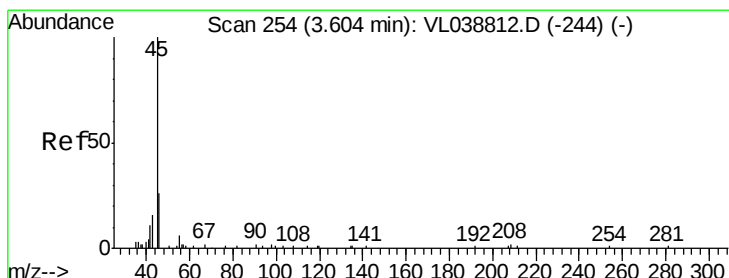
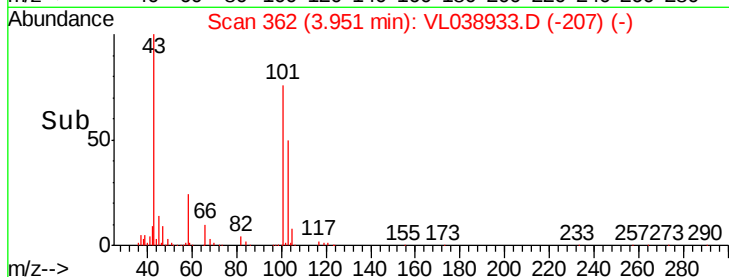
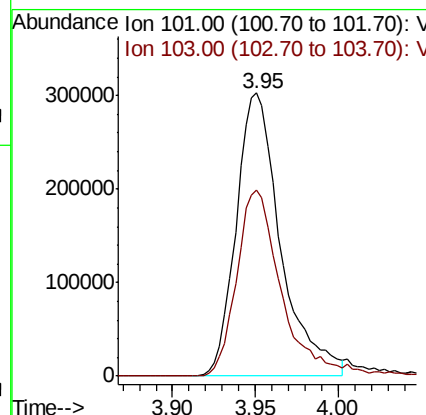
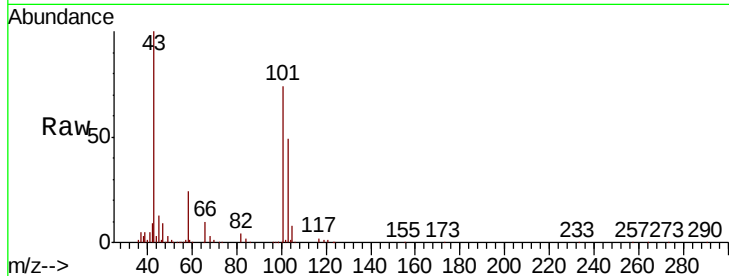
Tgt Ion: 43 Resp: 3598380
 Ion Ratio Lower Upper
 43 100
 57 51.0 39.3 58.9





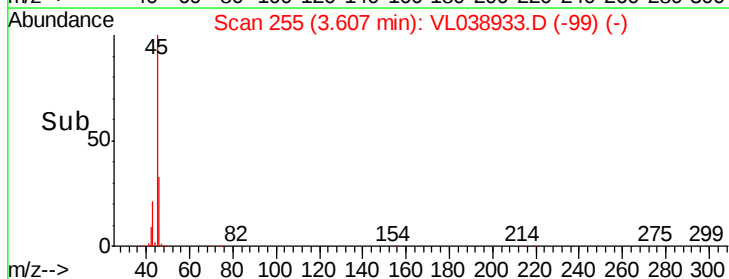
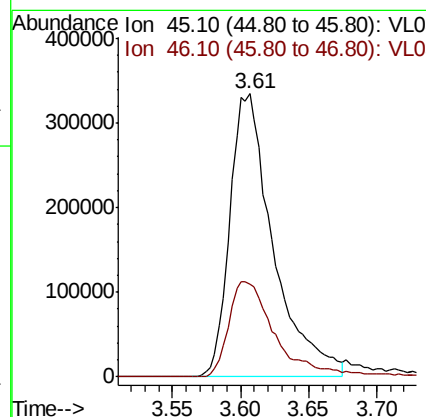
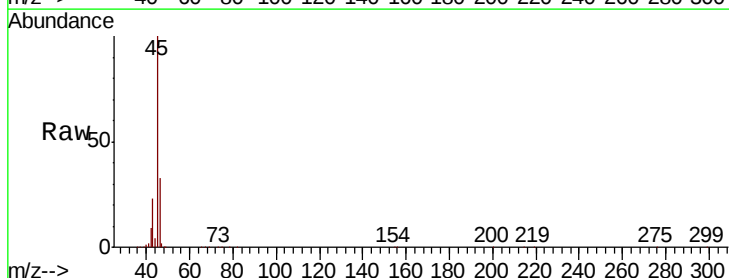
#11
 Trichlorofluoromethane
 Concen: 4.090 ppbv
 RT: 3.95 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 1:26

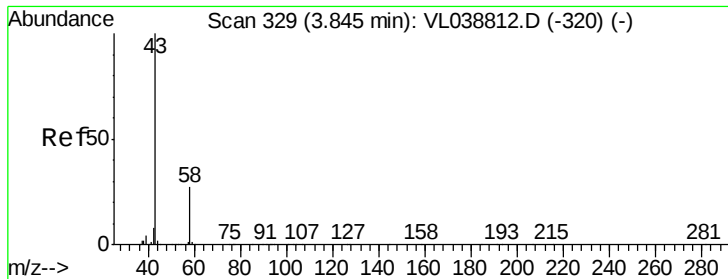
Tot Ion: 101 Resp: 566591
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.4 77.0



#13
 Ethanol
 Concen: 155.261 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T.: 0.00 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

Tgt Ion: 45 Resp: 740389
 Ion Ratio Lower Upper
 45 100
 46 36.9 0.0 0.0#





#15

Acetone

Concen: 231.882 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

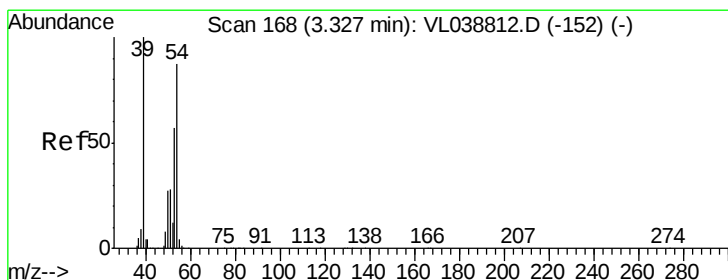
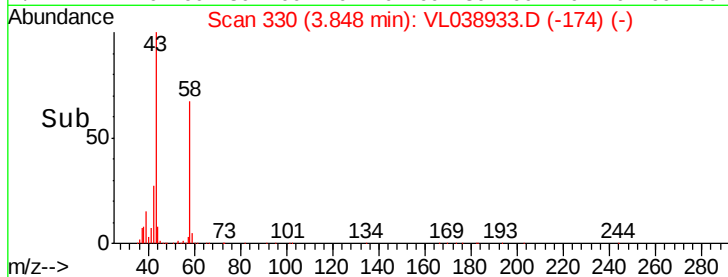
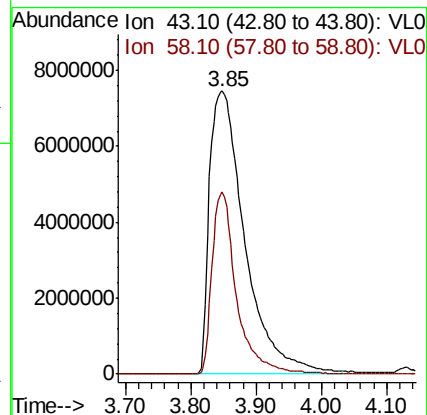
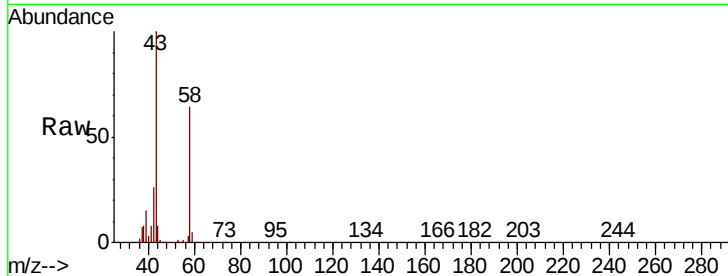
Acq: 15 Apr 2022 1:26

Tot Ion: 43 Resp: 28055377

Ion Ratio Lower Upper

43 100

58 45.0 22.5 33.7#



#16

1,3-Butadiene

Concen: 0.278 ppbv

RT: 3.31 min Scan# 162

Delta R.T. -0.02 min

Lab File: VL038933.D

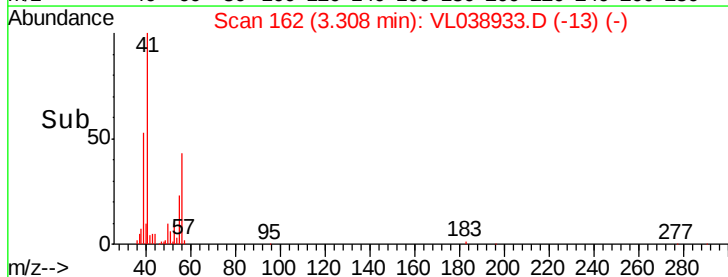
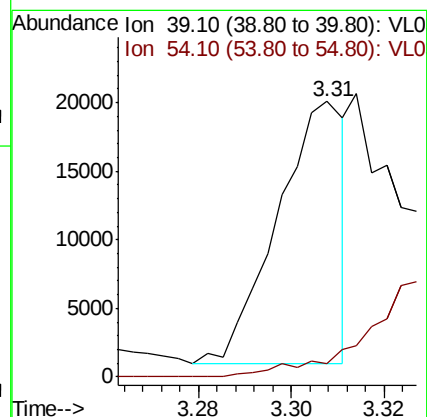
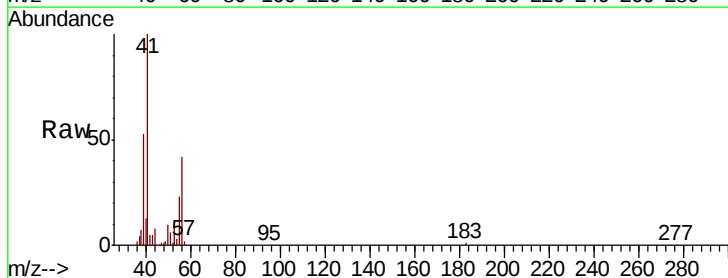
Acq: 15 Apr 2022 1:26

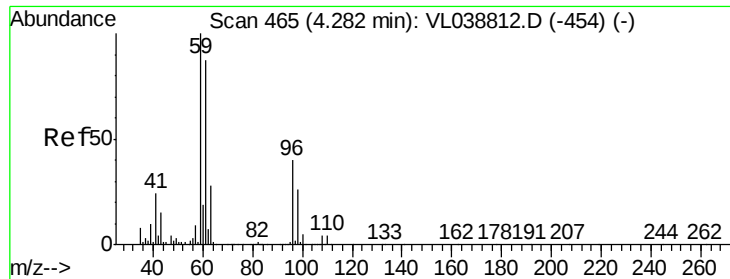
Tgt Ion: 39 Resp: 19219

Ion Ratio Lower Upper

39 100

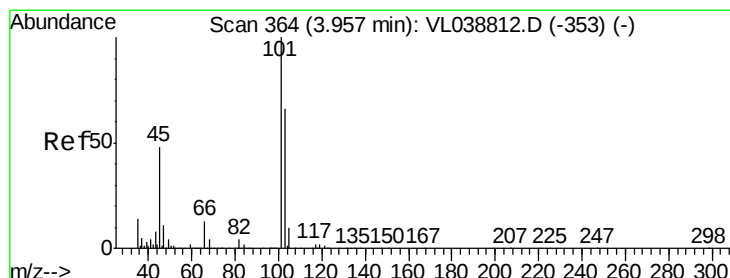
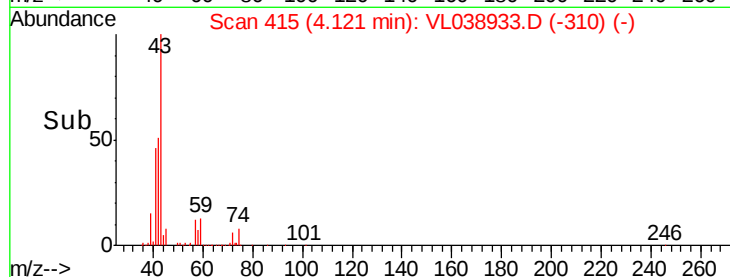
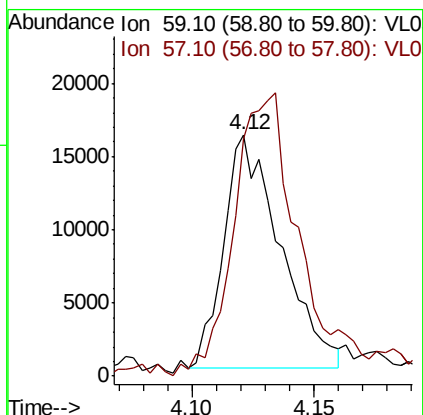
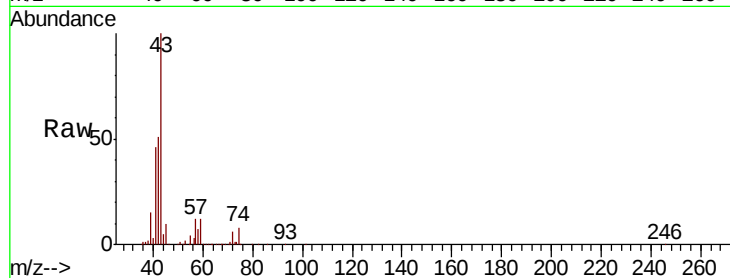
54 85.1 64.8 97.2





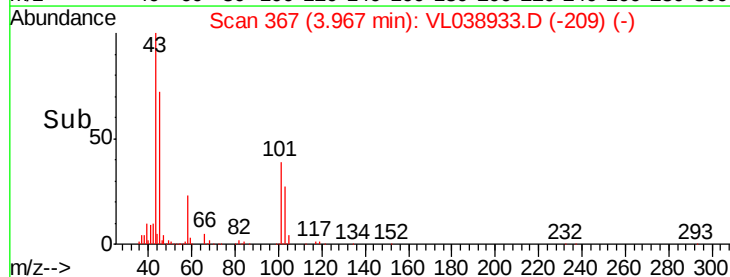
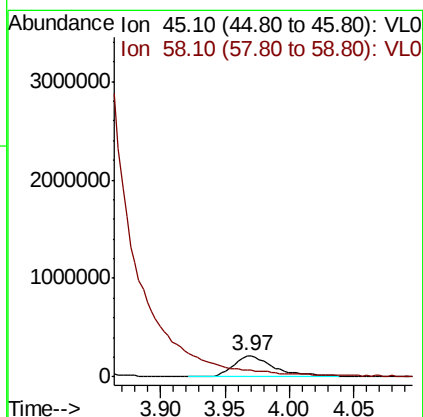
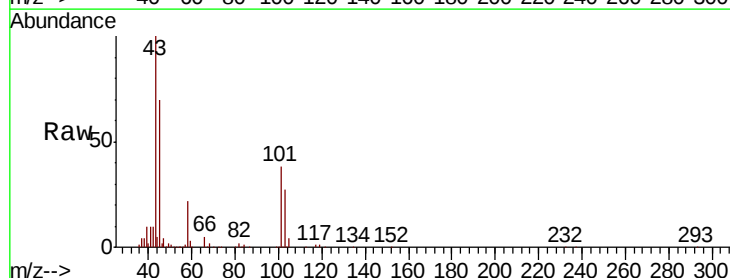
#17
tert-Butyl alcohol
Concen: 0.237 ppbv
RT: 4.12
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 1:28

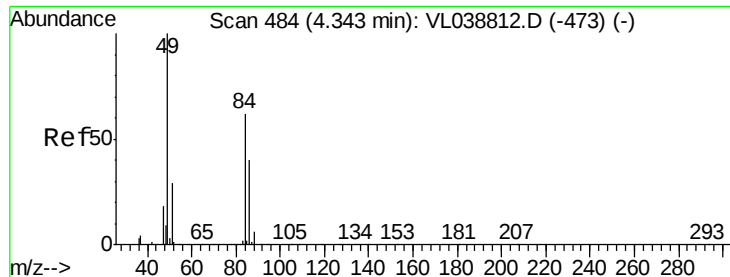
Tot Ion: 59 Resp: 25691
Ion Ratio Lower Upper
59 100
57 153.1 8.5 12.7#



#19
Isopropyl Alcohol
Concen: 7.519 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL038933.D
Acq: 15 Apr 2022 1:26

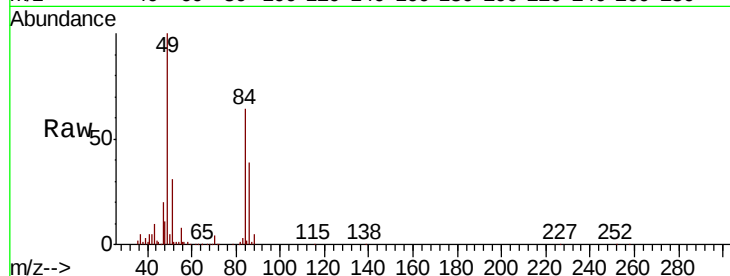
Tgt Ion: 45 Resp: 464931
Ion Ratio Lower Upper
45 100
58 0.0 0.0 0.0





#20
Methvlene Chloride
Concen: 4.489 ppbv
RT: 4.35 Instrument :
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 1:20

Tot Ion:	84	Resp:	196991
Ion	Ratio	Lower	Upper
84	100		
49	157.2	129.4	194.0
51	47.6	37.4	56.2
86	61.0	51.4	77.2



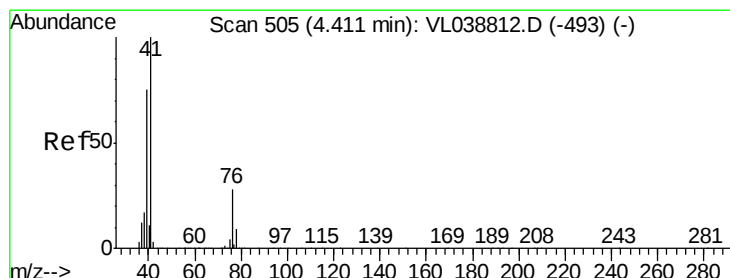
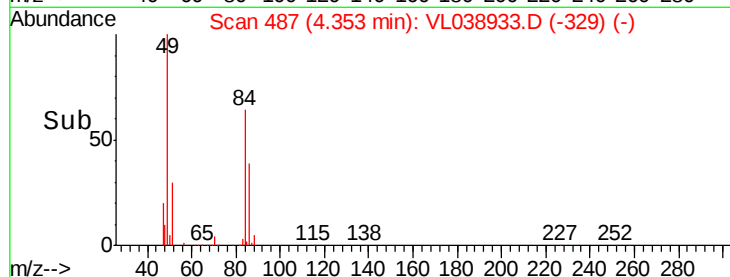
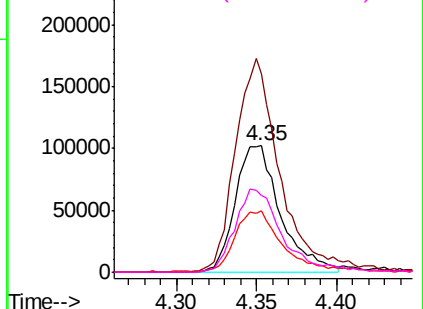
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

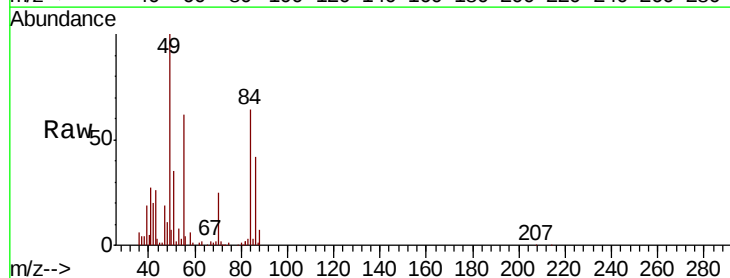
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#21
Allyl Chloride
Concen: 0.108 ppbv
RT: 4.37 min Scan# 492
Delta R.T. -0.04 min
Lab File: VL038933.D
Acq: 15 Apr 2022 1:26

Tgt Ion:	41	Resp:	9792
Ion	Ratio	Lower	Upper
41	100		
76	1.0	23.7	35.5#
39	0.0	62.0	93.0#

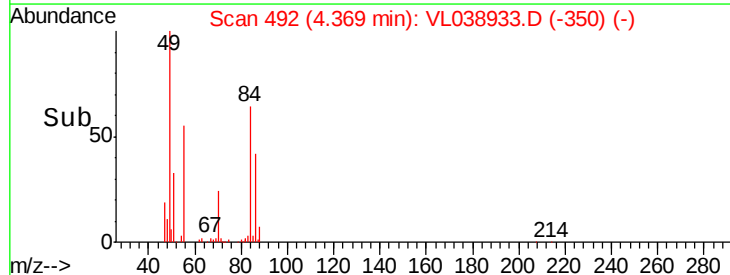
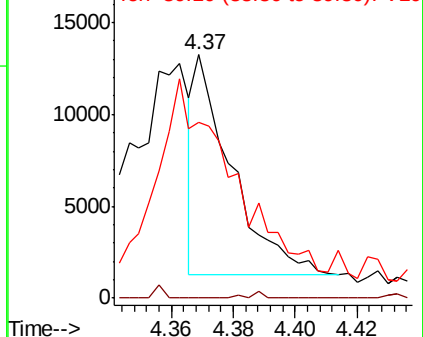


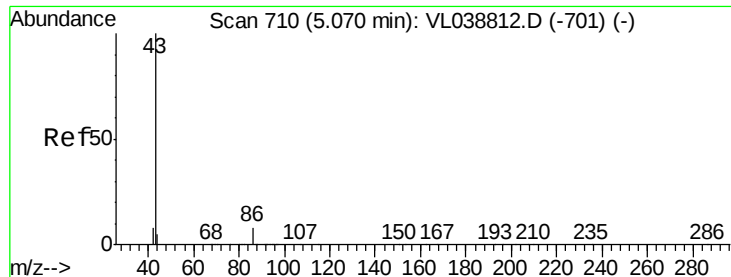
Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#23

Vinyl Acetate

Concen: 0.503 ppbv

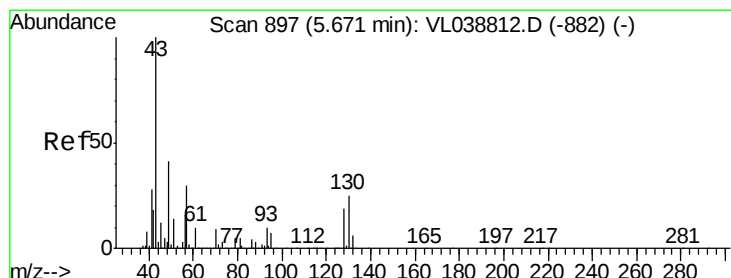
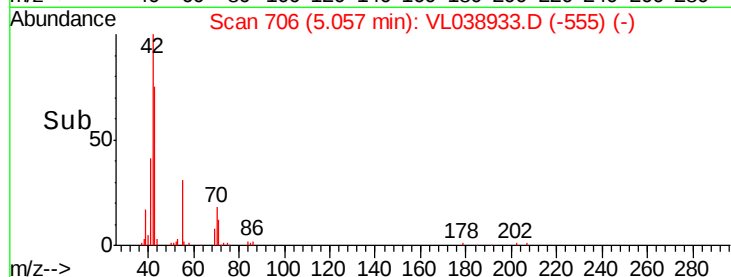
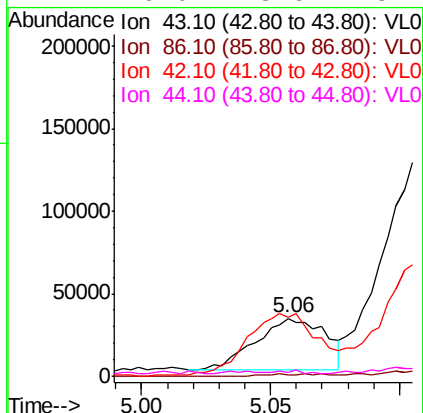
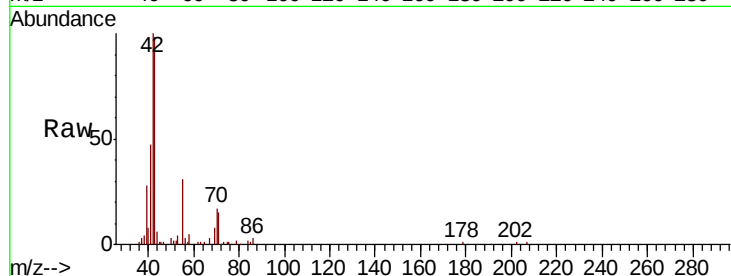
RT: 5.06 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 15 Apr 2022 1:26

Tot Ion:	43	Resp:	59289
Ion	Ratio	Lower	Upper
43	100		
86	3.4	5.8	8.6#
42	111.0	7.8	11.6#
44	0.0	3.6	5.4#



#25

Ethyl Acetate

Concen: 1.554 ppbv

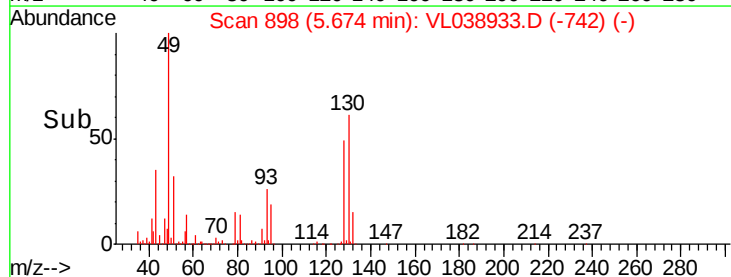
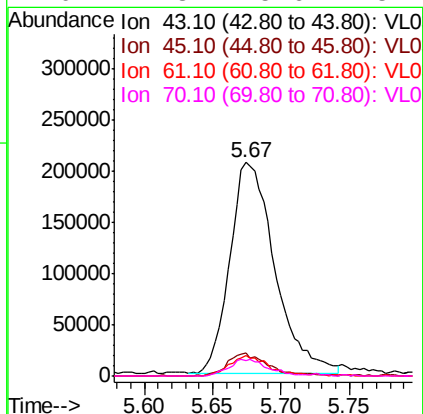
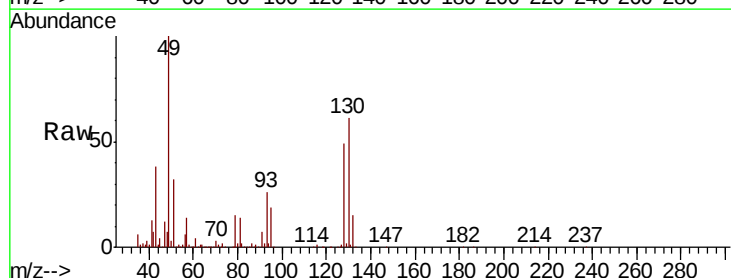
RT: 5.67 min Scan# 898

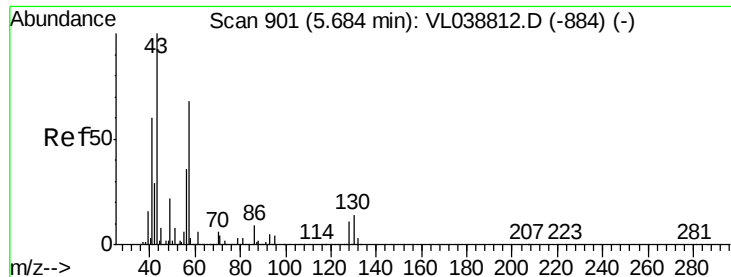
Delta R.T. 0.00 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

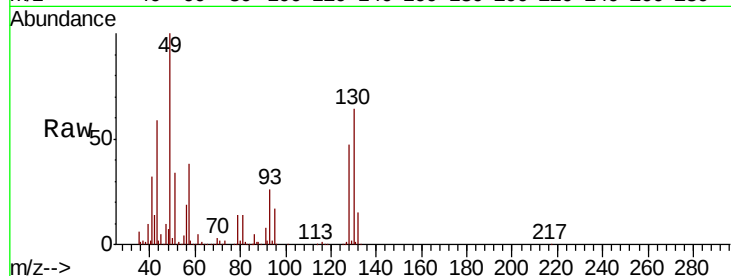
Tgt Ion:	43	Resp:	477208
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	8.7	7.9	11.9
70	7.3	5.6	8.4



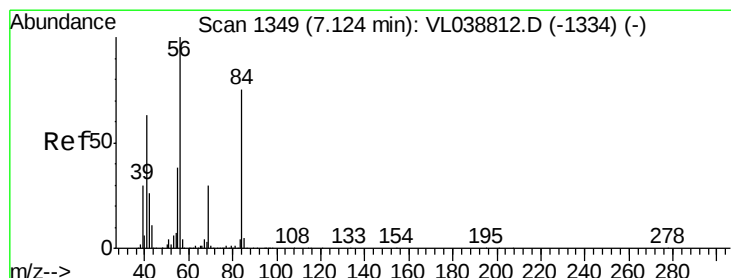
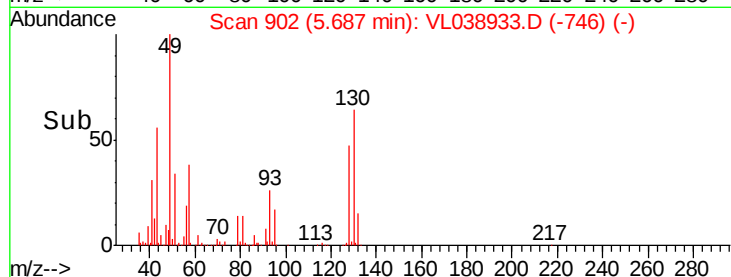
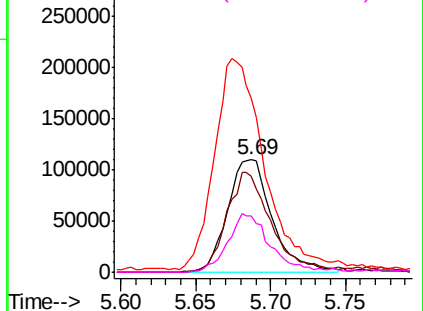


#26
Hexane
Concen: 1.620 ppbv
RT: 5.69
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 1:26

Tot Ion:	57	Resp:	226332
Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.0	108.0
43	223.8	186.6	280.0
56	50.1	42.8	64.2

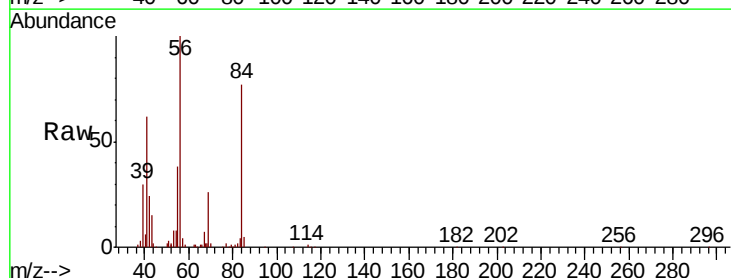


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

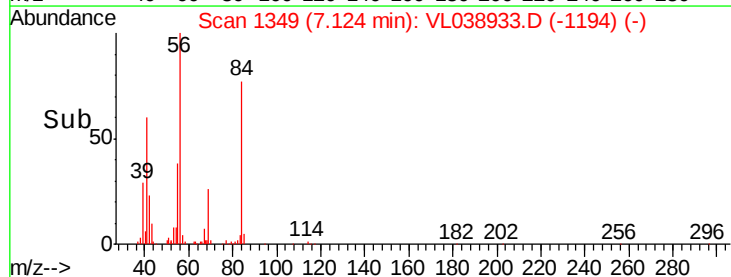
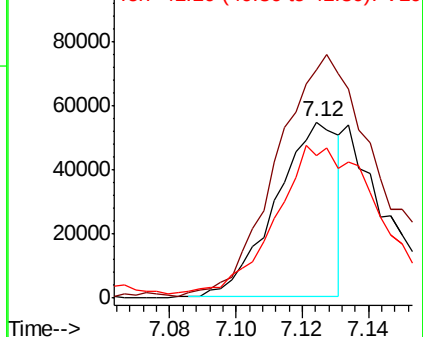


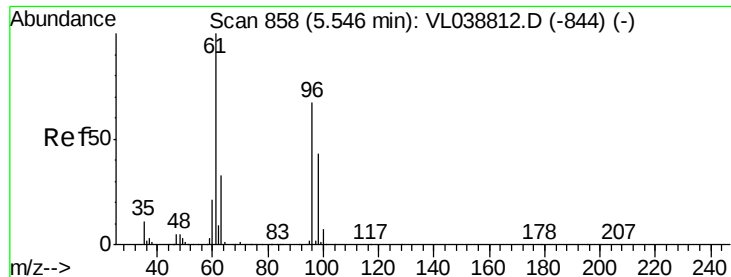
#30
Cyclohexane
Concen: 0.584 ppbv
RT: 7.12 min Scan# 1349
Delta R.T. -0.00 min
Lab File: VL038933.D
Acq: 15 Apr 2022 1:26

Tgt Ion:	84	Resp:	71904
Ion	Ratio	Lower	Upper
84	100		
56	227.2	114.4	171.6#
41	136.4	69.0	103.4#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0





#31

cis-1,2-Dichloroethene

Concen: 0.264 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 1:26

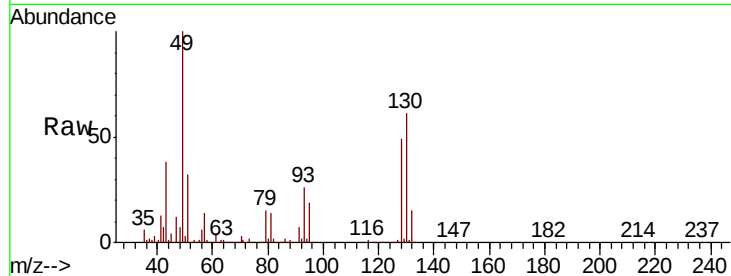
Tot Ion: 61 Resp: 33939

Ion Ratio Lower Upper

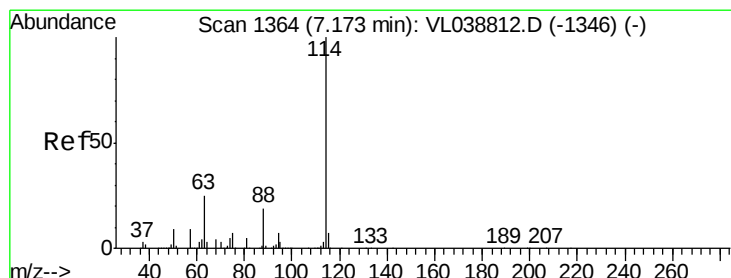
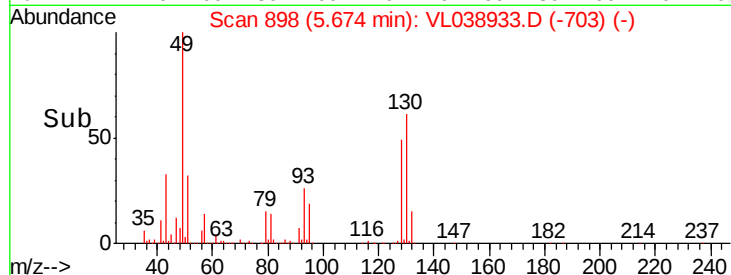
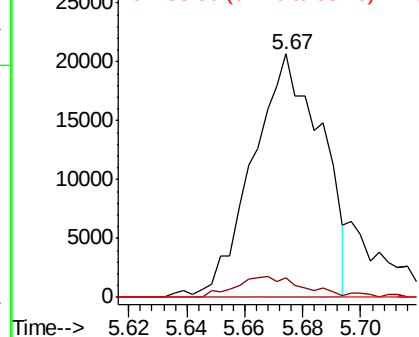
61 100

96 8.4 53.4 80.0#

98 0.0 34.2 51.4#



Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. 0.01 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

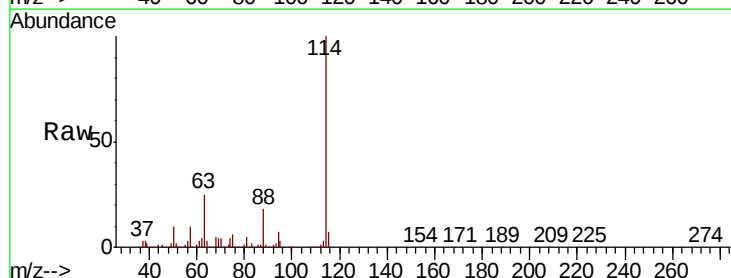
Tgt Ion: 114 Resp: 3068732

Ion Ratio Lower Upper

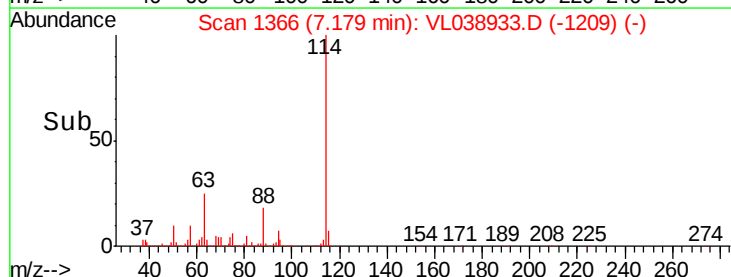
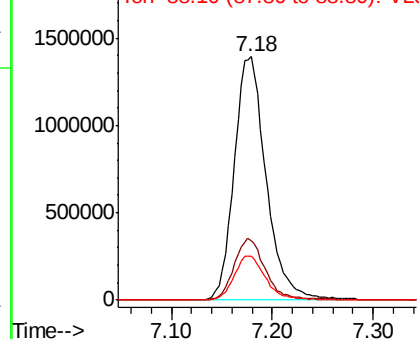
114 100

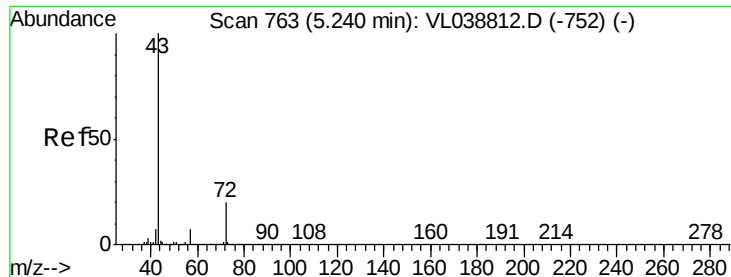
63 25.2 19.8 29.8

88 18.2 14.2 21.4



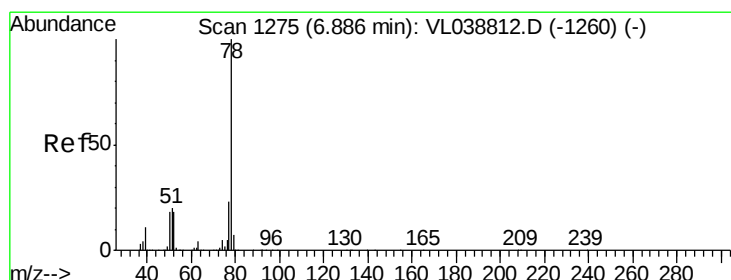
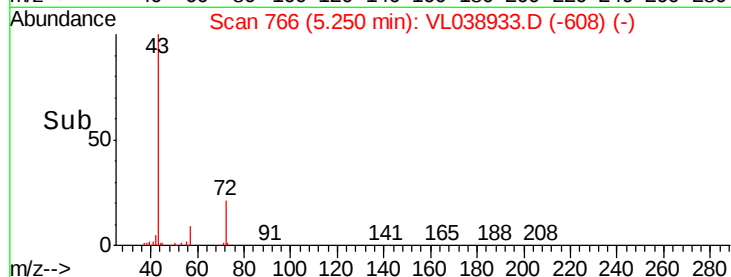
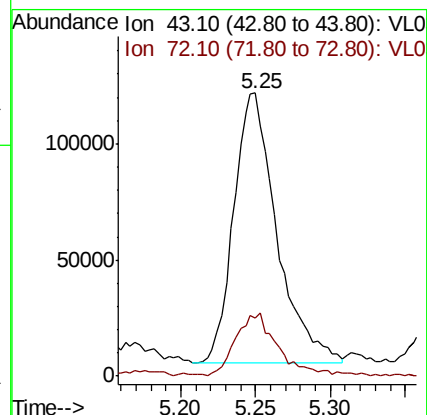
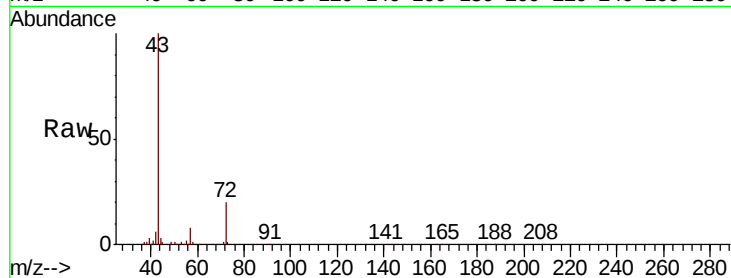
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





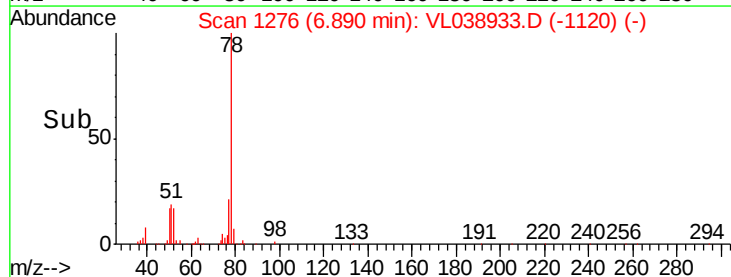
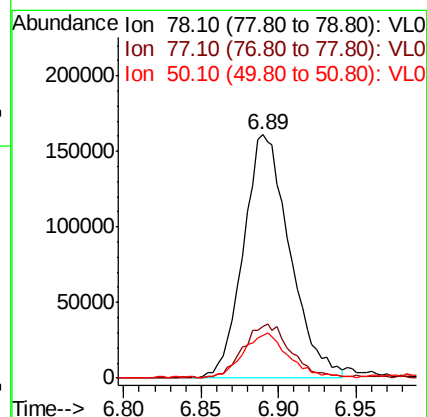
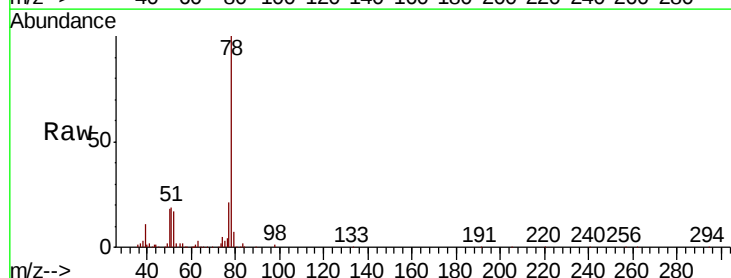
#34
 2-Butanone
 Concen: 1.926 ppbv
 RT: 5.25
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 1:26

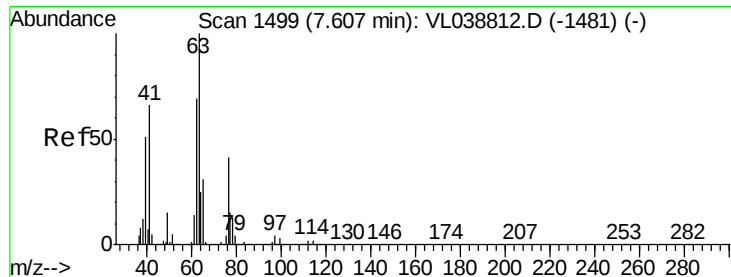
Tot Ion: 43 Resp: 233558
 Ion Ratio Lower Upper
 43 100
 72 22.5 16.9 25.3



#36
 Benzene
 Concen: 1.203 ppbv
 RT: 6.89 min Scan# 1276
 Delta R.T. 0.00 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

Tgt Ion: 78 Resp: 335897
 Ion Ratio Lower Upper
 78 100
 77 20.9 18.2 27.2
 50 17.0 14.0 21.0





#39

1,2-Dichloropropane

Concen: 0.094 ppbv

RT: 7.24 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 1:28

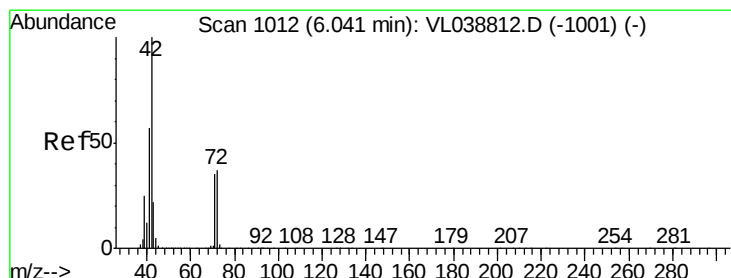
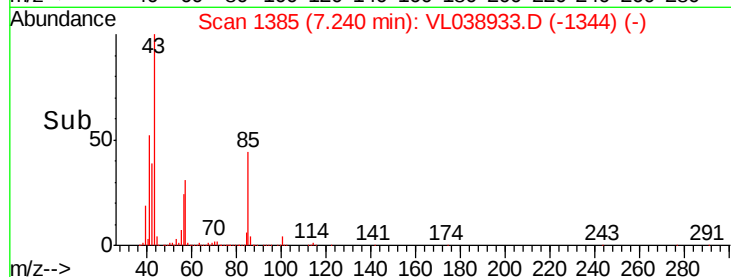
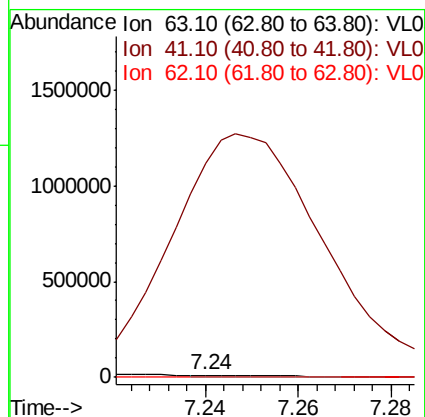
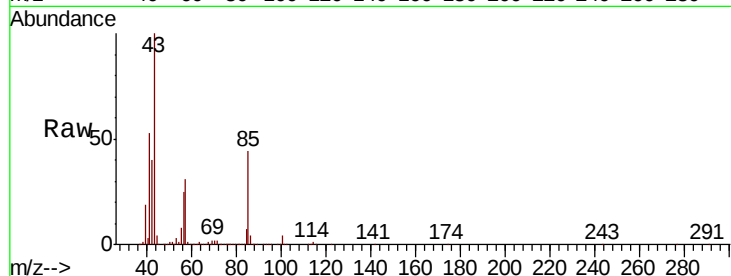
Tot Ion: 63 Resp: 9999

Ion Ratio Lower Upper

63 100

41 6315.2 53.0 79.6#

62 27.4 55.0 82.4#



#41

Tetrahydrofuran

Concen: 0.068 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.02 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

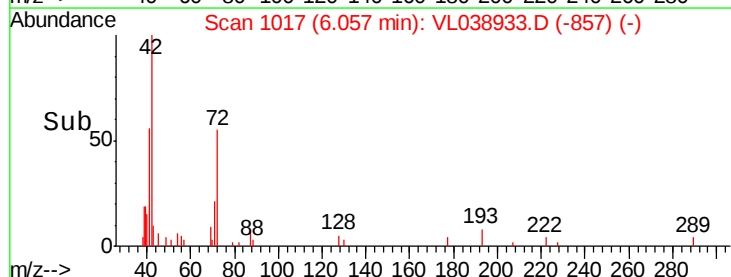
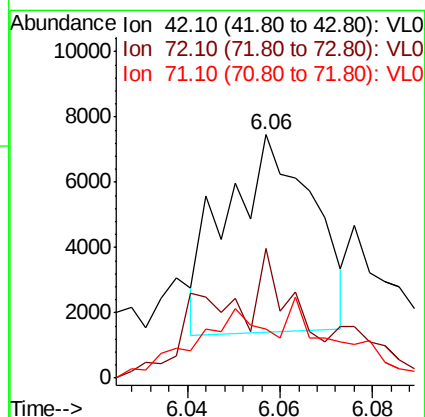
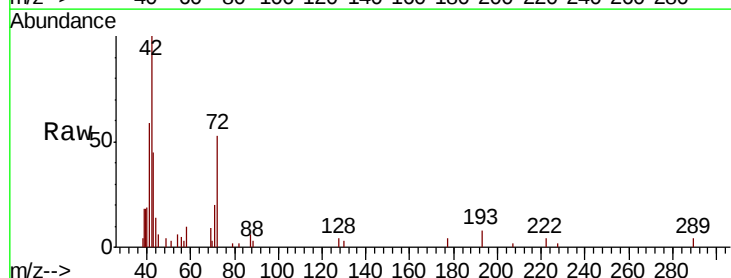
Tgt Ion: 42 Resp: 7844

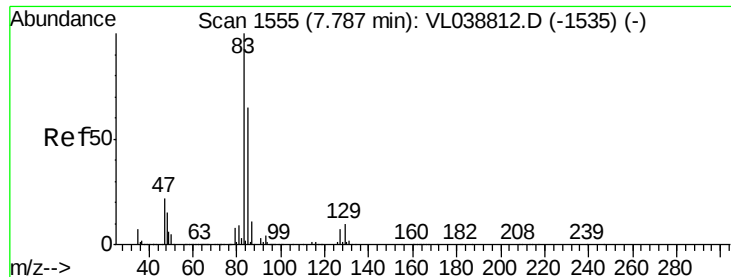
Ion Ratio Lower Upper

42 100

72 87.4 31.4 47.0#

71 61.8 30.2 45.4#





#42

Bromodichloromethane

Concen: 0.408 ppbv

RT: 7.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 1:28

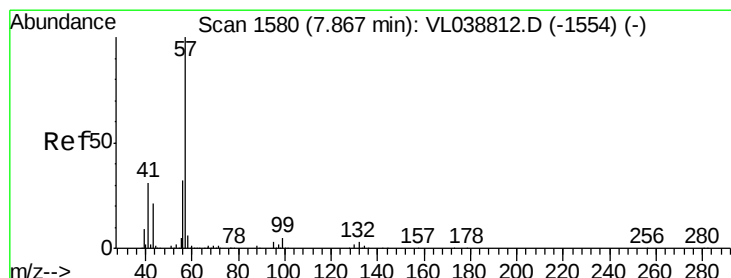
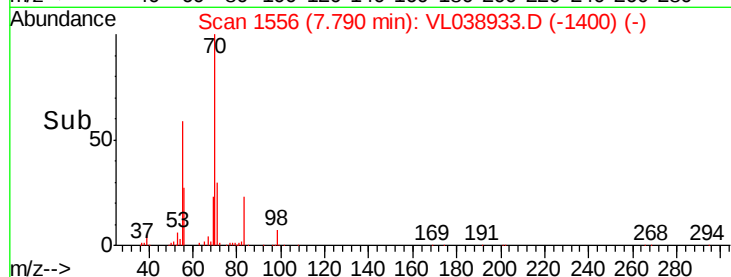
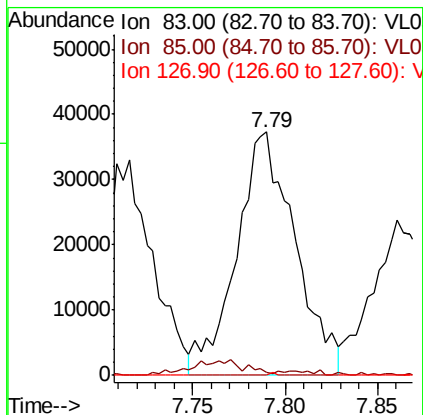
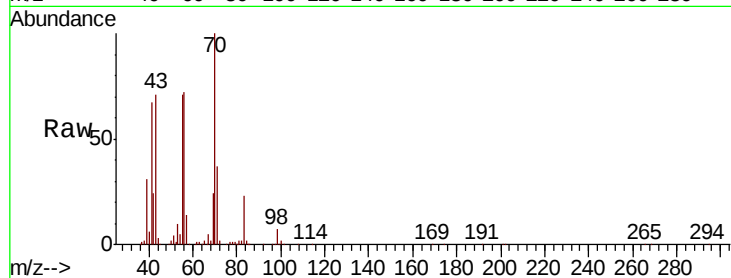
Tot Ion: 83 Resp: 82162

Ion Ratio Lower Upper

83 100

85 0.4 51.7 77.5#

127 0.0 5.9 8.9#



#44

2,2,4-Trimethylpentane

Concen: 0.578 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

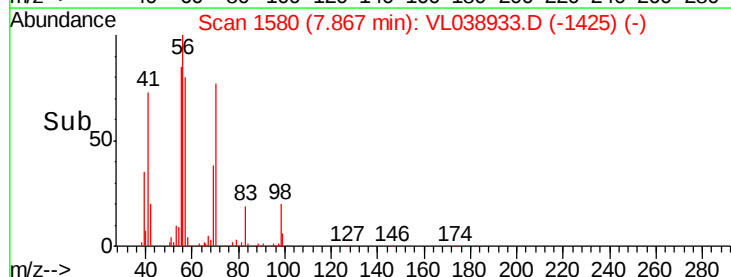
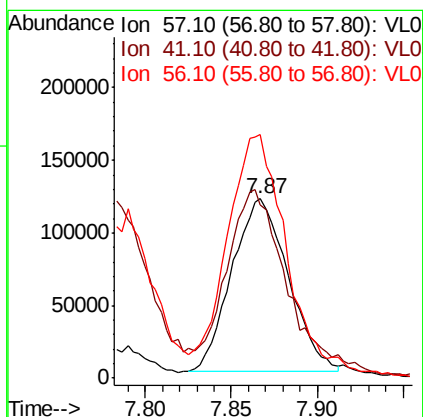
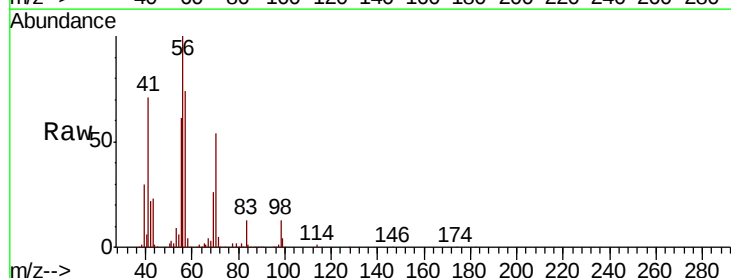
Tgt Ion: 57 Resp: 273282

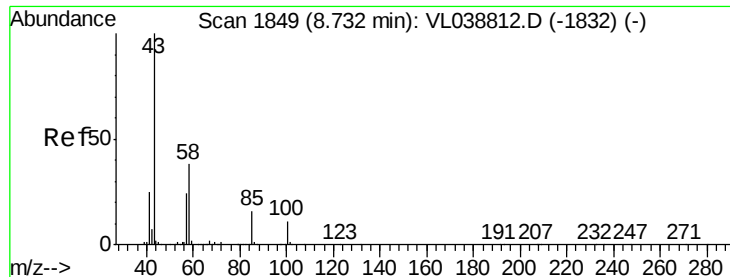
Ion Ratio Lower Upper

57 100

41 113.2 25.0 37.4#

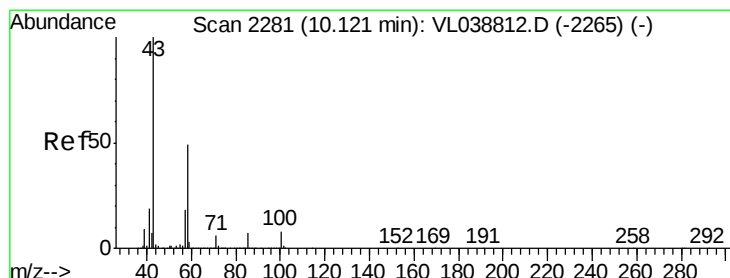
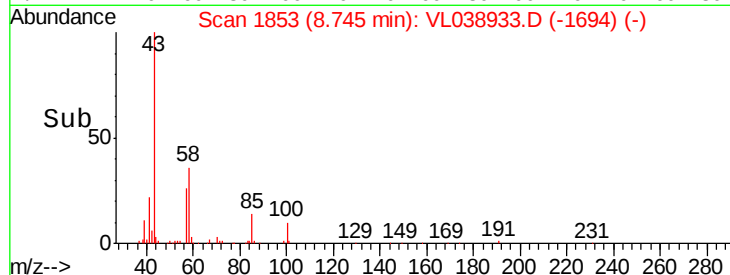
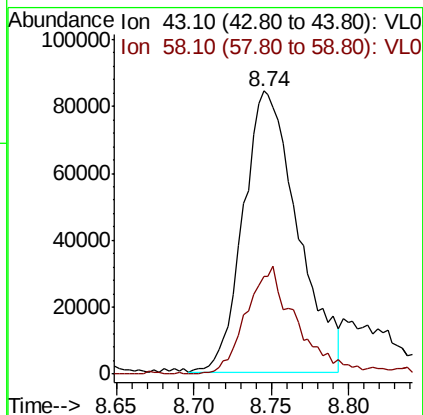
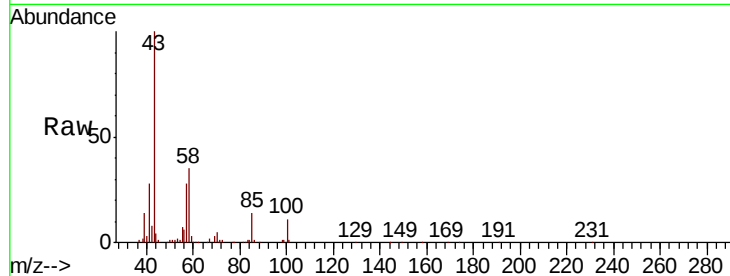
56 147.7 25.3 37.9#





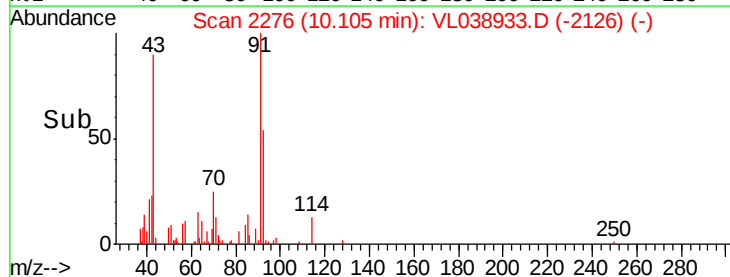
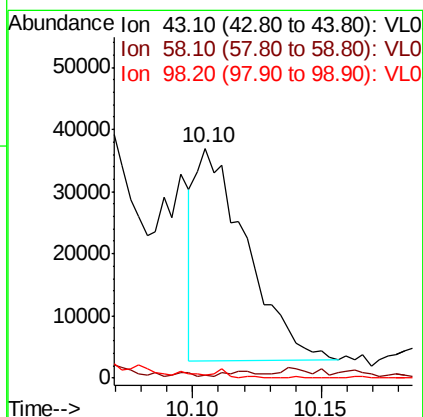
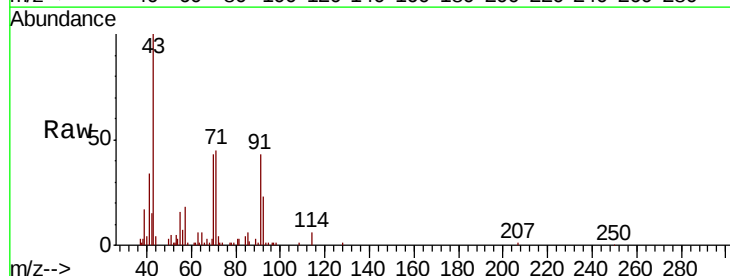
#50
 4-Methyl-2-Pentanone
 Concen: 0.755 ppbv
 RT: 8.74 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 1:26

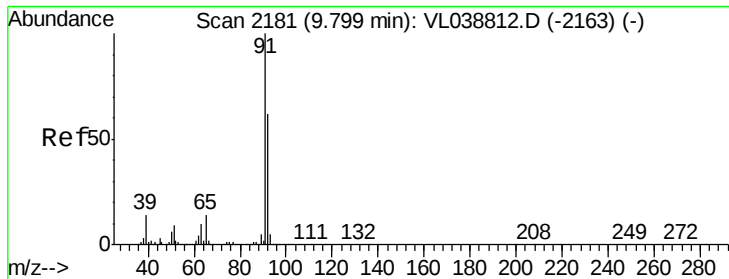
Tot Ion: 43 Resp: 206012
 Ion Ratio Lower Upper
 43 100
 58 36.0 29.0 43.6



#51
 2-Hexanone
 Concen: 0.227 ppbv
 RT: 10.10 min Scan# 2276
 Delta R.T. -0.02 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

Tgt Ion: 43 Resp: 46665
 Ion Ratio Lower Upper
 43 100
 58 7.4 41.4 62.0#
 98 1.4 0.1 0.1#





#53

Toluene

Concen: 54.148 ppbv

RT: 9.81 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

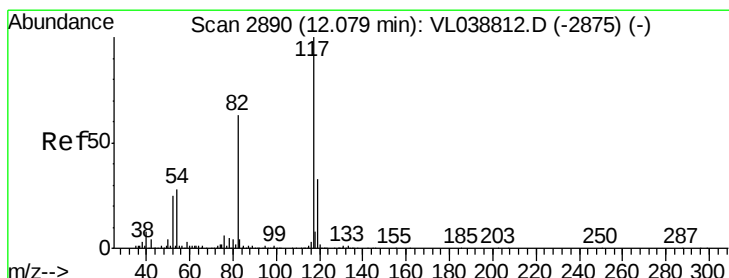
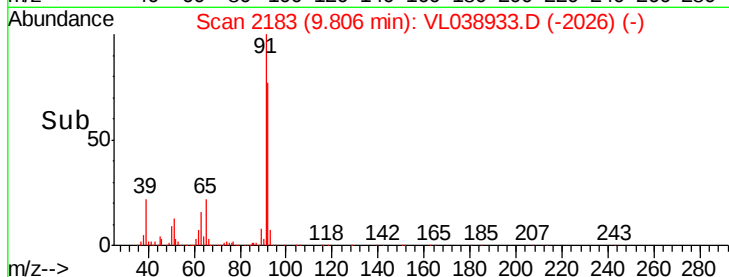
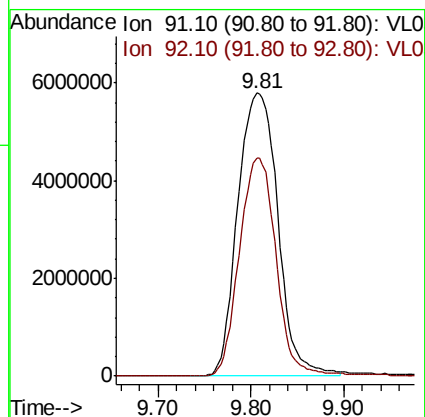
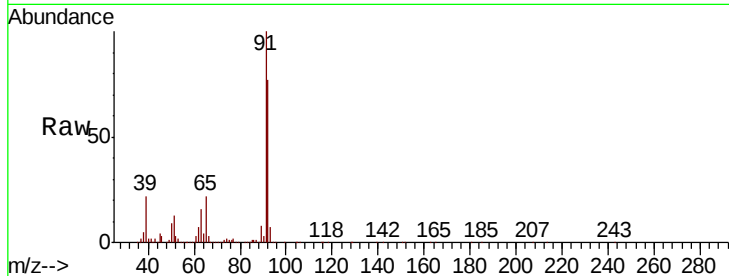
Acq: 15 Apr 2022 1:26

Tot Ion: 91 Resp: 17450349

Ion Ratio Lower Upper

91 100

92 71.2 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: VL038933.D

Acq: 15 Apr 2022 1:26

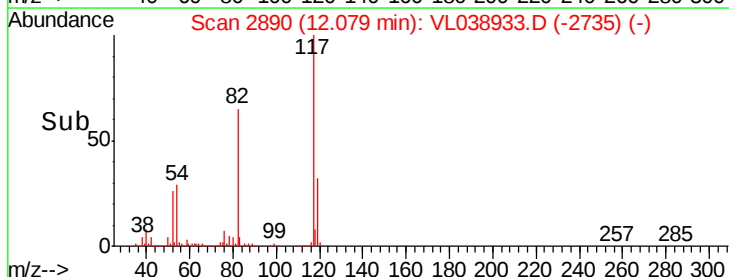
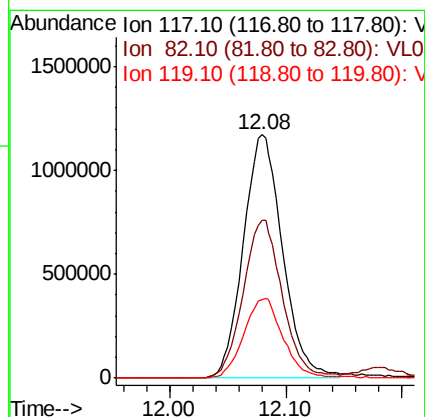
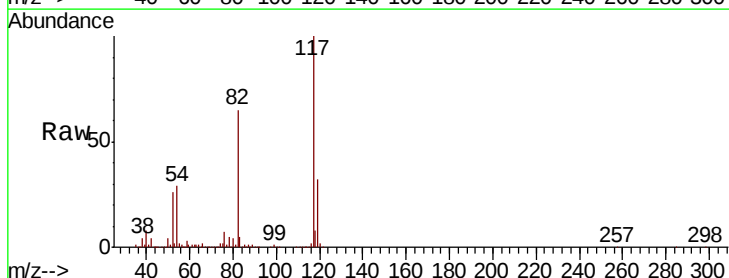
Tgt Ion: 117 Resp: 2758408

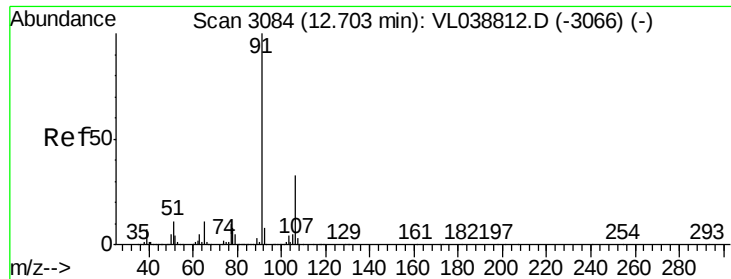
Ion Ratio Lower Upper

117 100

82 64.4 53.0 79.6

119 33.3 24.9 37.3





#58

Ethyl Benzene

Concen: 1.956 ppbv

RT: 12.71

Delta R.T. MSVOA_L

Lab File:

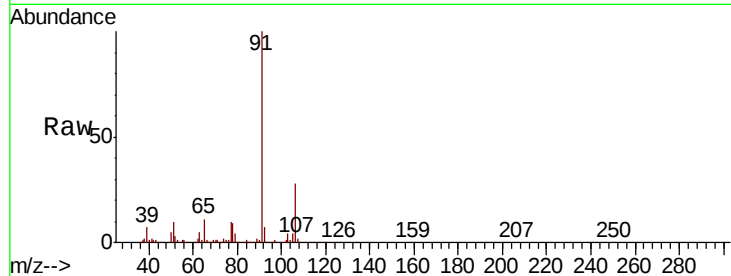
Acq: 15 Apr 2022 1:26

Tot Ion: 91 Resp: 806223

Ion Ratio Lower Upper

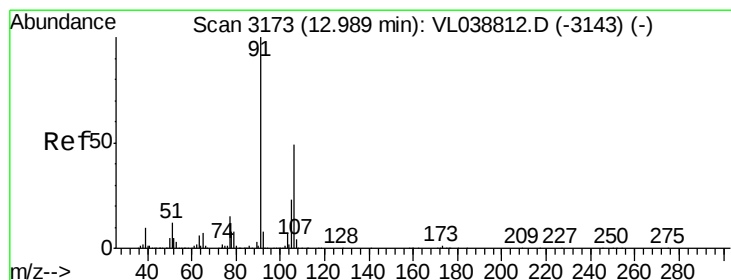
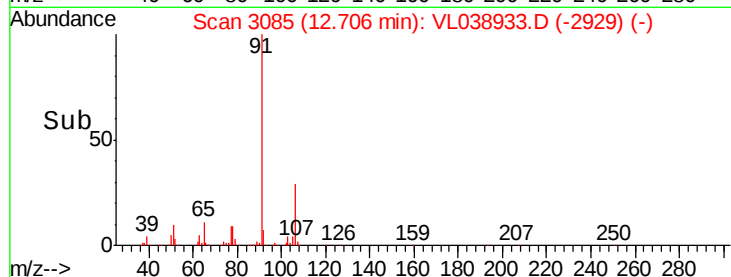
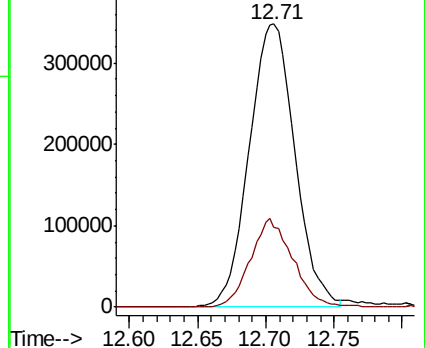
91 100

106 28.4 26.7 40.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 5.998 ppbv

RT: 12.96 min Scan# 3163

Delta R.T. -0.03 min

Lab File: VL038933.D

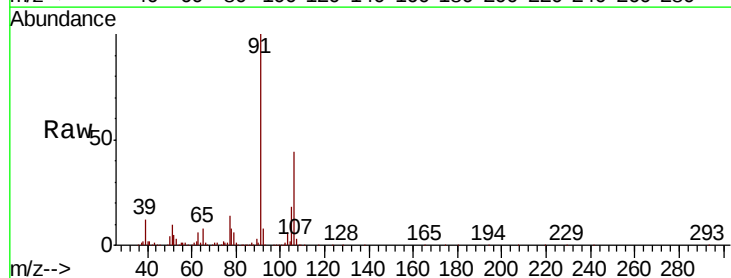
Acq: 15 Apr 2022 1:26

Tgt Ion: 91 Resp: 2077114

Ion Ratio Lower Upper

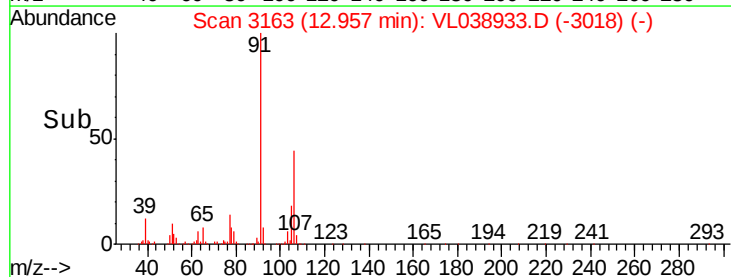
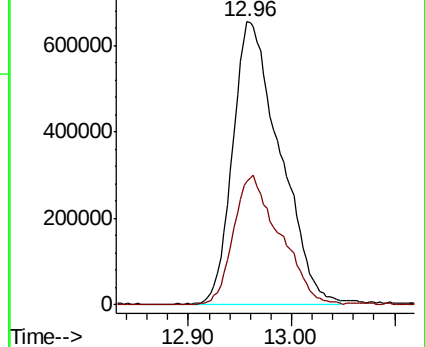
91 100

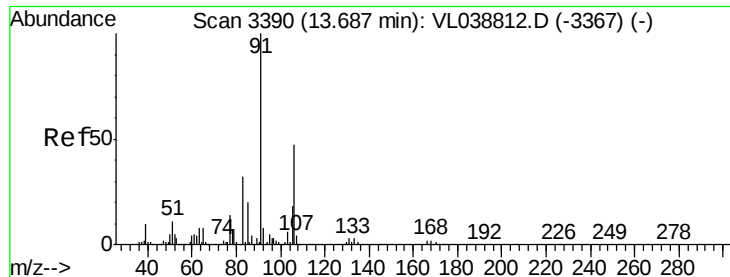
106 45.9 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

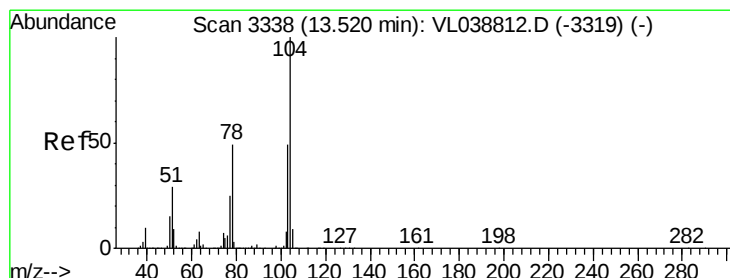
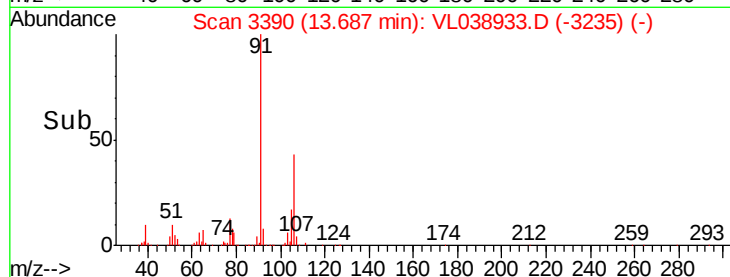
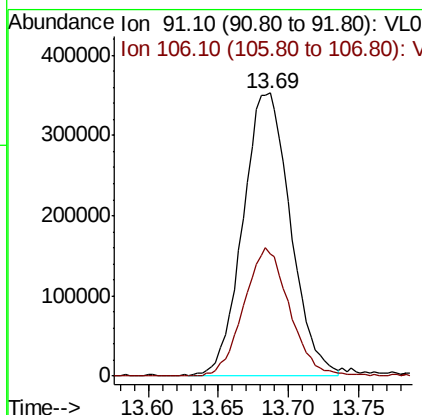
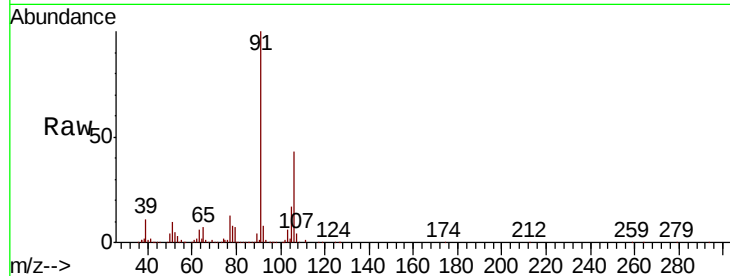
Ion 106.10 (105.80 to 106.80): V





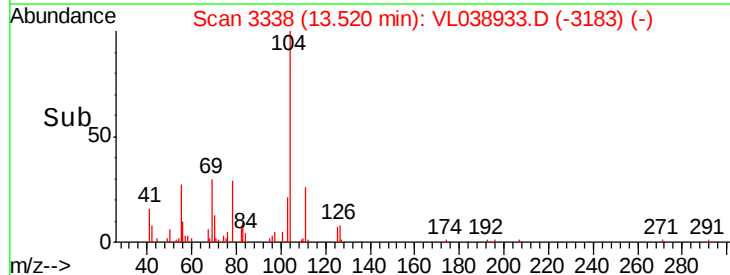
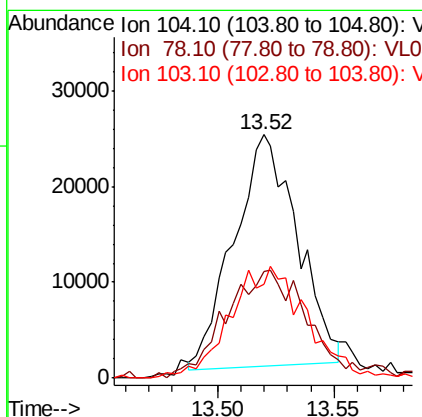
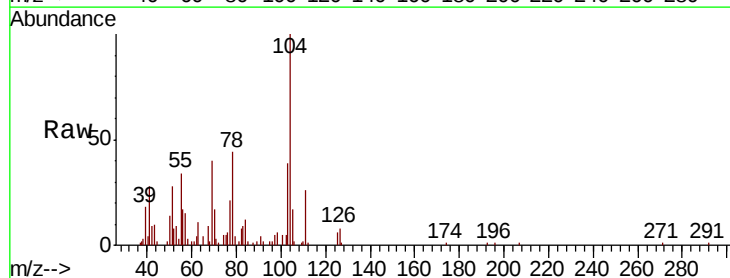
#60
o-Xylene
Concen: 2.551 ppbv
RT: 13.69
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 15 Apr 2022 1:26

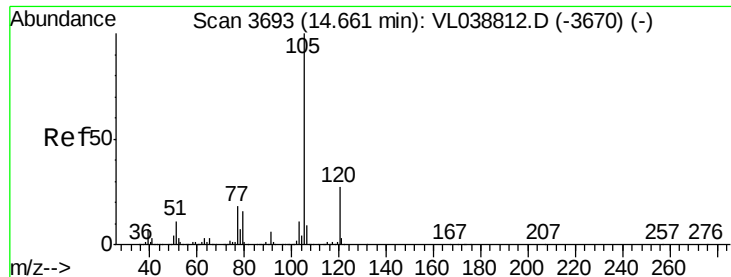
Tot Ion: 91 Resp: 826703
Ion Ratio Lower Upper
91 100
106 43.8 23.8 71.4



#61
Styrene
Concen: 0.233 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.00 min
Lab File: VL038933.D
Acq: 15 Apr 2022 1:26

Tgt Ion:104 Resp: 46045
Ion Ratio Lower Upper
104 100
78 62.7 40.5 60.7#
103 58.3 39.0 58.4





#62

Isopropylbenzene

Concen: 0.113 ppbv

RT: 14.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

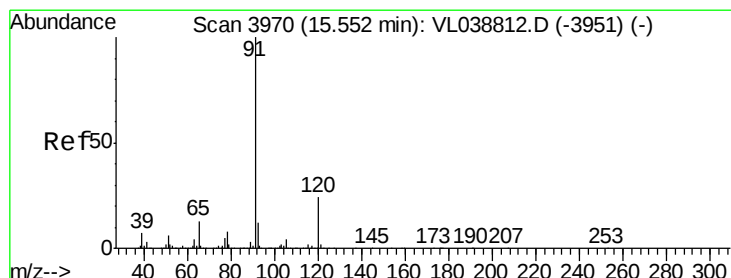
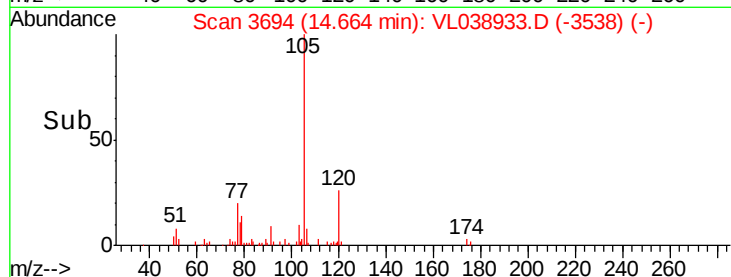
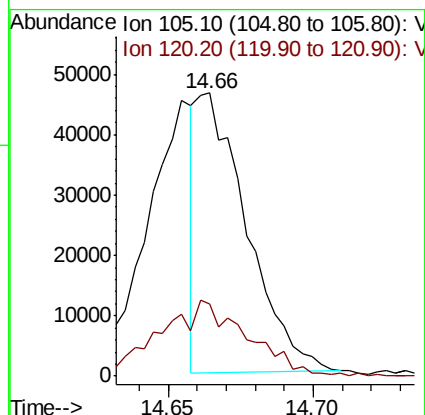
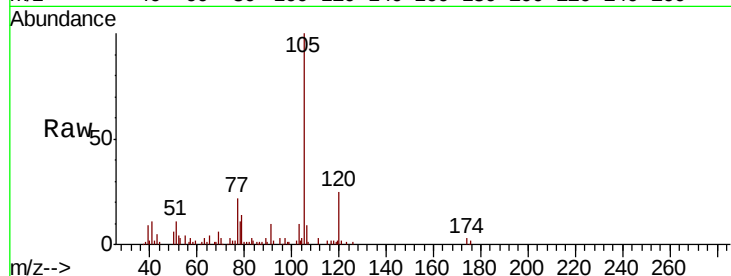
Acq: 15 Apr 2022 1:26

Tot Ion:105 Resp: 55108

Ion Ratio Lower Upper

105 100

120 49.0 21.8 32.8#



#64

n-propylbenzene

Concen: 0.705 ppbv

RT: 15.55 min Scan# 3970

Delta R.T. -0.00 min

Lab File: VL038933.D

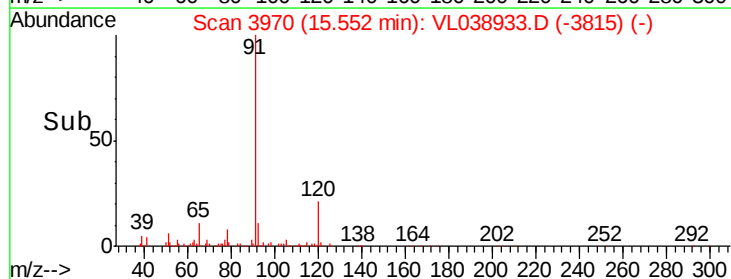
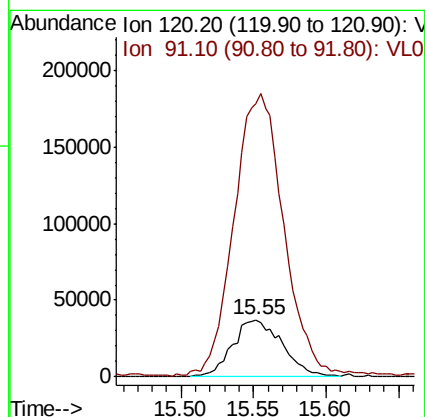
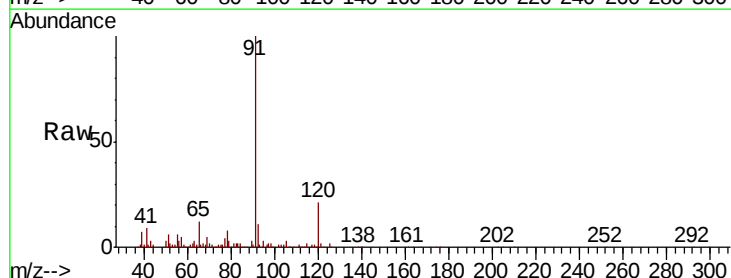
Acq: 15 Apr 2022 1:26

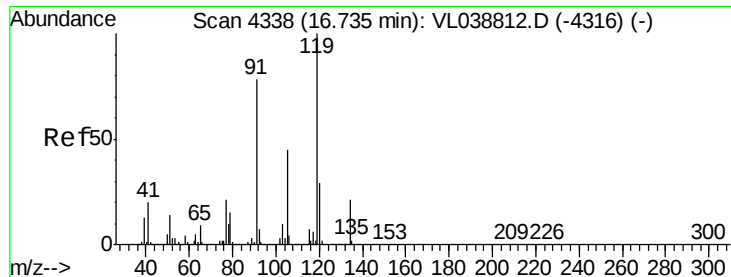
Tgt Ion:120 Resp: 89069

Ion Ratio Lower Upper

120 100

91 499.1 360.6 540.8





#65

tert-Butylbenzene

Concen: 0.352 ppbv

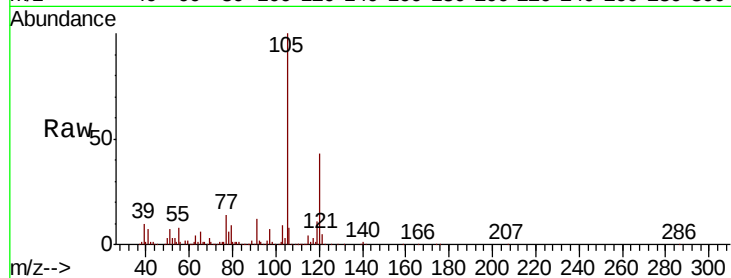
RT: 16.75 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 15 Apr 2022 1:26

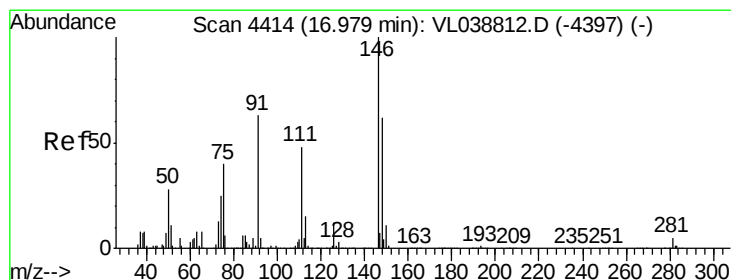
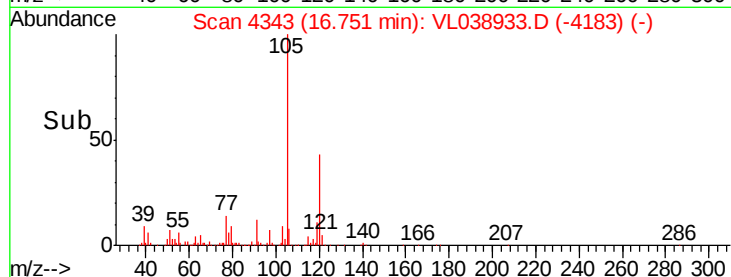
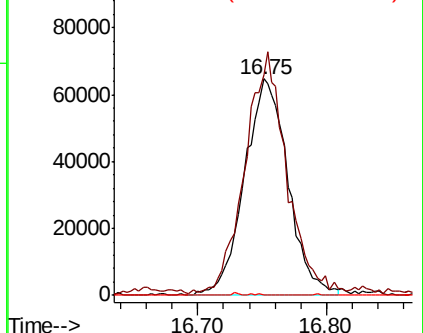
Tot Ion:	119	Resp:	152105
Ion Ratio	Lower	Upper	
119	100		
91	103.2	62.8	94.2#
134	0.1	16.2	24.4#



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 0.260 ppbv

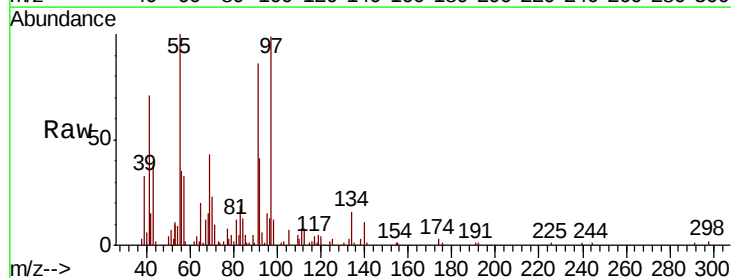
RT: 17.20 min Scan# 4483

Delta R.T. 0.22 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

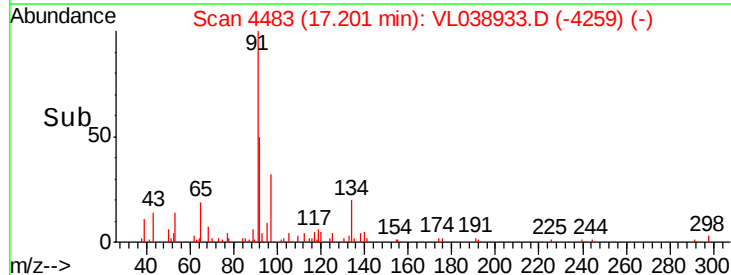
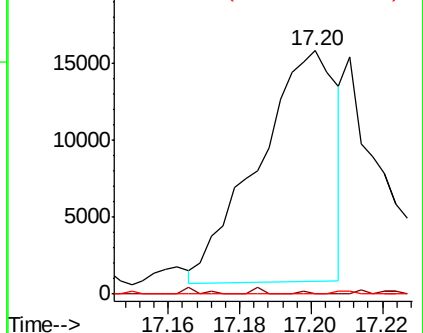
Tgt Ion:	91	Resp:	22849
Ion Ratio	Lower	Upper	
91	100		
126	0.9	15.4	23.0#
128	0.0	4.7	7.1#

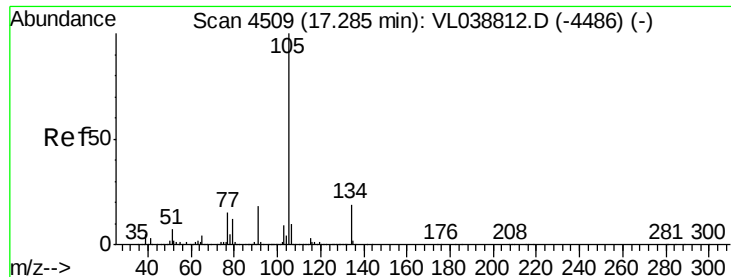


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.078 ppbv

RT: 17.28 min

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

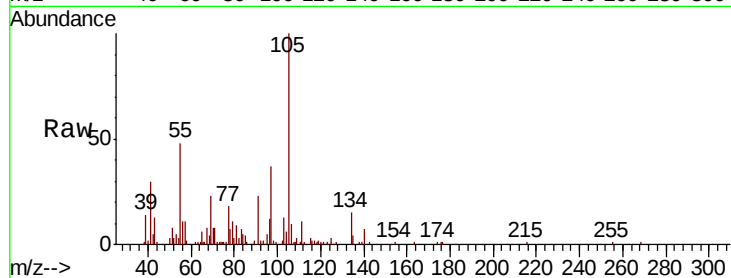
Acq: 15 Apr 2022 1:26

Tot Ion: 105 Resp: 47040

Ion Ratio Lower Upper

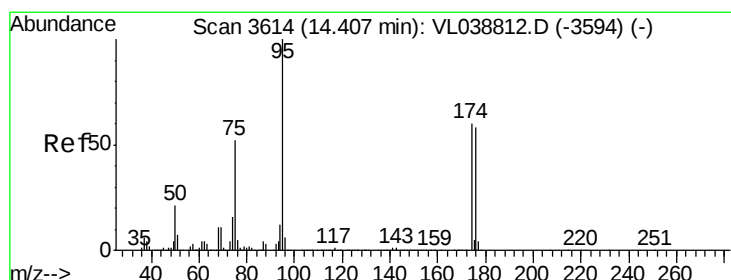
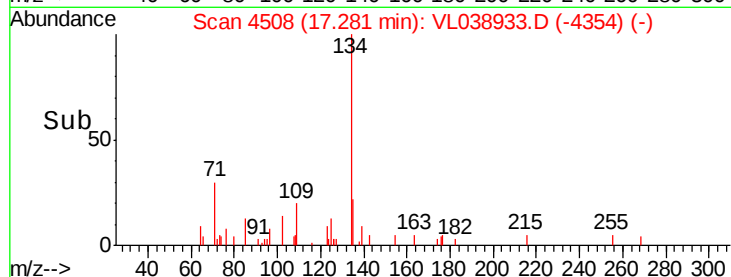
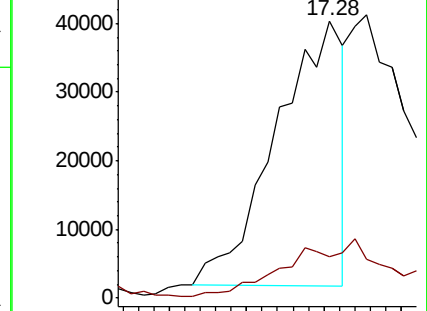
105 100

134 17.4 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: 10.458 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

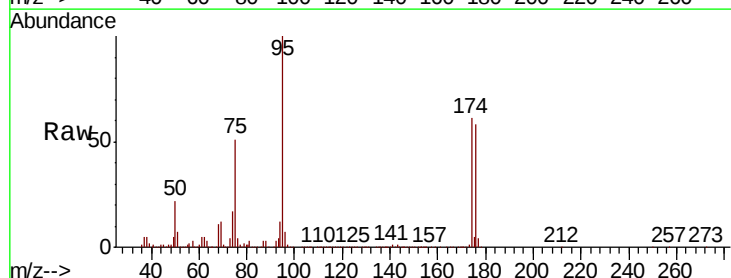
Tgt Ion: 95 Resp: 2188253

Ion Ratio Lower Upper

95 100

174 62.9 52.0 78.0

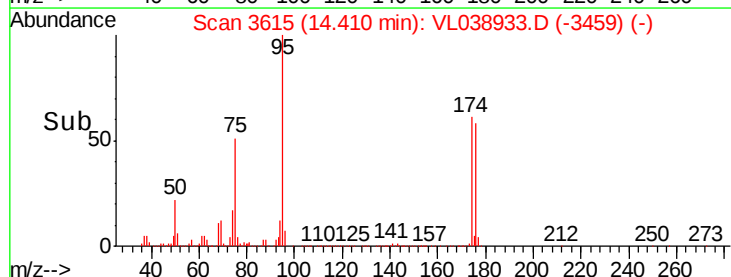
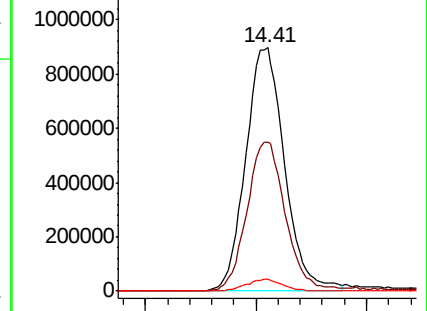
175 4.8 4.0 6.0

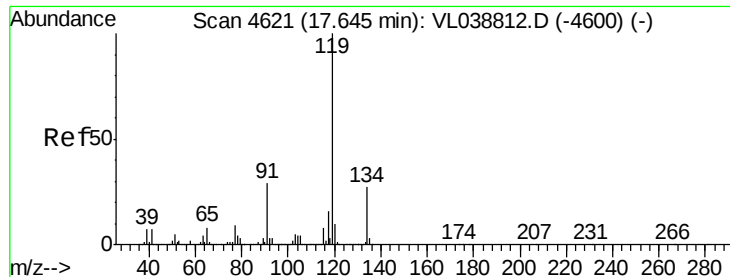


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

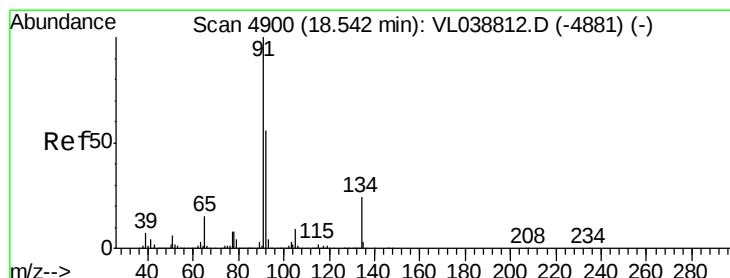
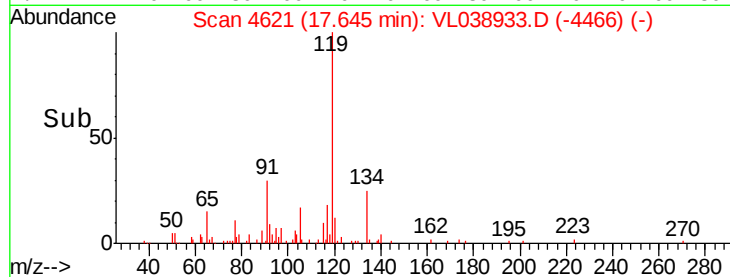
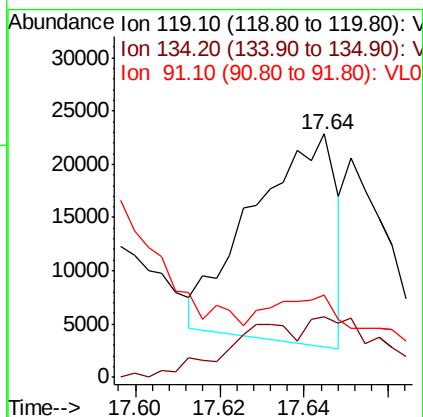
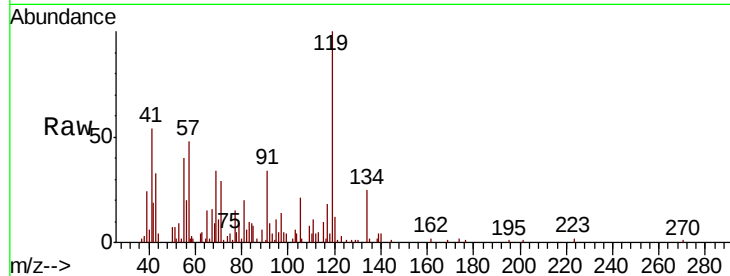
Ion 175.00 (174.70 to 175.70): V





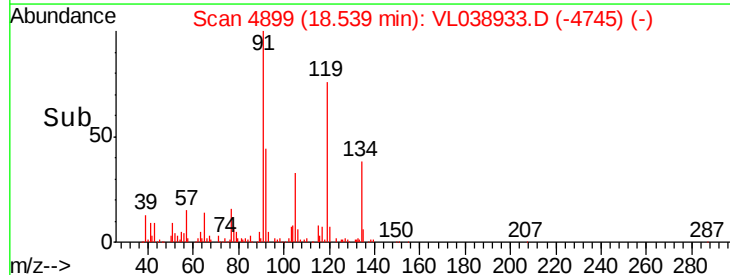
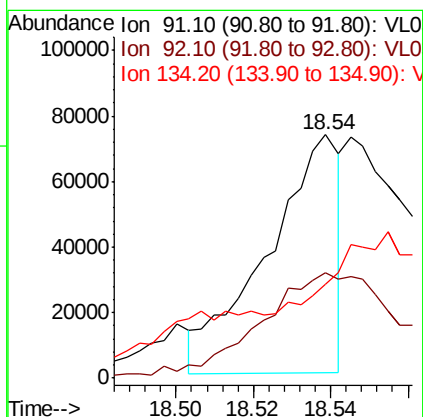
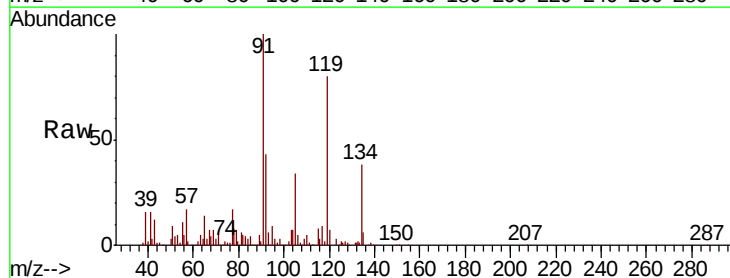
#69
 p-Isopropyltoluene
 Concen: 0.054 ppbv
 RT: 17.64 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 15 Apr 2022 1:26

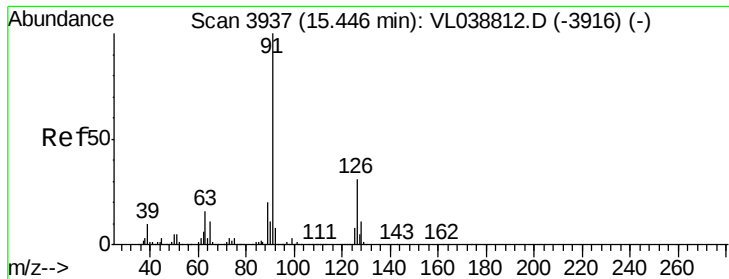
Tot Ion	Ratio	Lower	Upper
119	100		
134	53.0	20.8	31.2#
91	59.6	22.6	34.0#



#70
 n-Butylbenzene
 Concen: 0.189 ppbv
 RT: 18.54 min Scan# 4899
 Delta R.T.: -0.00 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

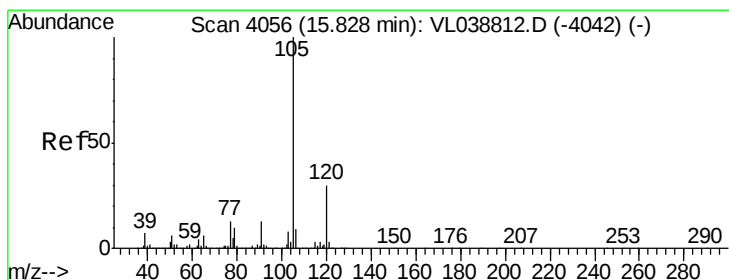
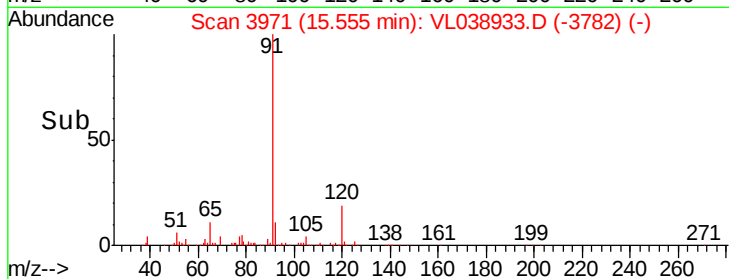
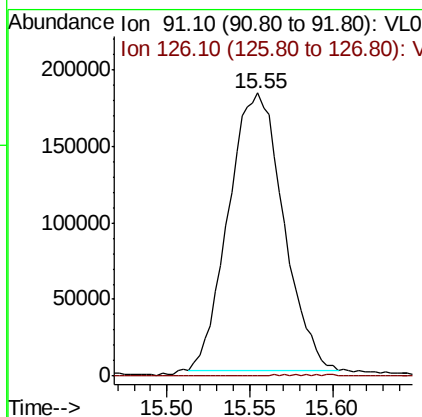
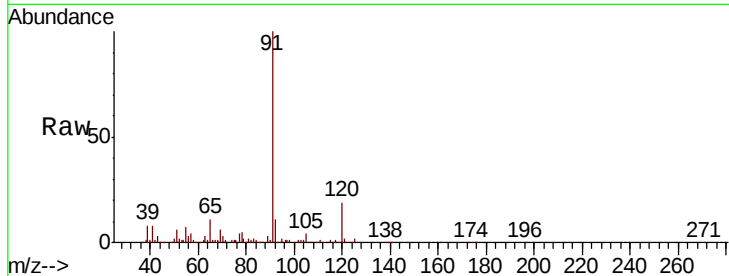
Tgt Ion	Ratio	Lower	Upper
91	100		
92	86.4	44.6	66.8#
134	0.0	19.2	28.8#





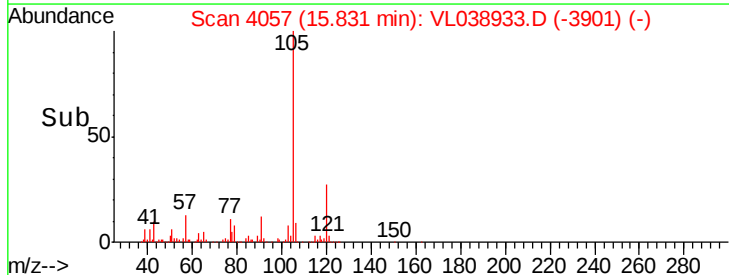
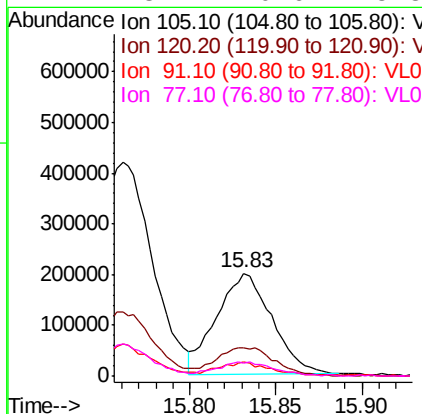
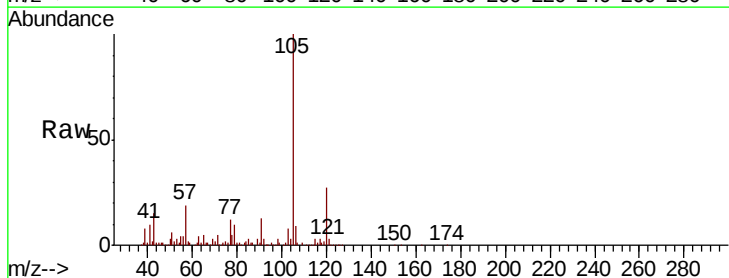
#71
 2-Chlorotoluene
 Concen: 1.144 ppbv
 RT: 15.55 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 1:26

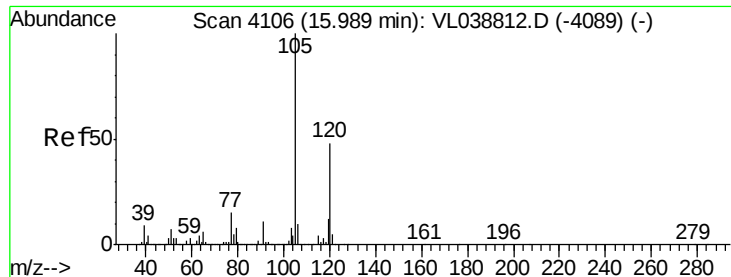
Tot Ion: 91 Resp: 418555
 Ion Ratio Lower Upper
 91 100
 126 0.3 13.0 51.8#



#72
 4-Ethyltoluene
 Concen: 1.151 ppbv
 RT: 15.83 min Scan# 4057
 Delta R.T. 0.00 min
 Lab File: VL038933.D
 Acq: 15 Apr 2022 1:26

Tgt Ion:105 Resp: 445210
 Ion Ratio Lower Upper
 105 100
 120 30.1 24.3 36.5
 91 11.9 9.4 14.2
 77 13.4 10.6 15.8





#73

1,3,5-Trimethylbenzene

Concen: 1.104 ppbv

RT: 15.99

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

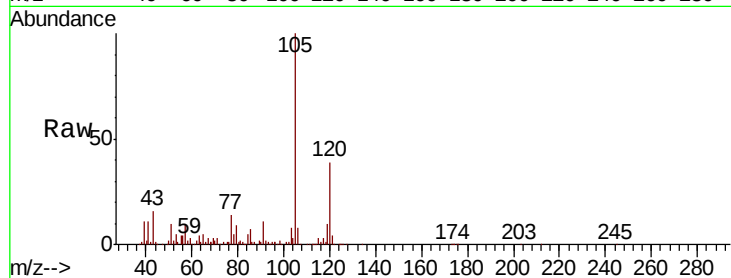
Acq: 15 Apr 2022 1:26

Tot Ion:105 Resp: 383587

Ion Ratio Lower Upper

105 100

120 38.9 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

200000

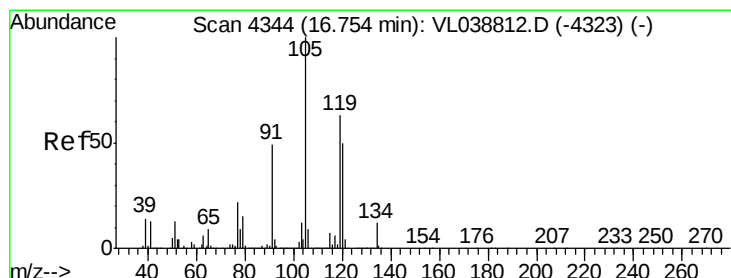
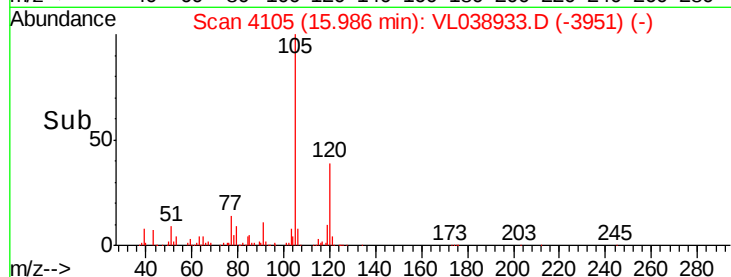
150000

100000

50000

0

Time--> 15.90 15.95 16.00 16.05



#74

1,2,4-Trimethylbenzene

Concen: 3.730 ppbv

RT: 16.75 min Scan# 4344

Delta R.T. -0.00 min

Lab File: VL038933.D

Acq: 15 Apr 2022 1:26

Tgt Ion:105 Resp: 1370590

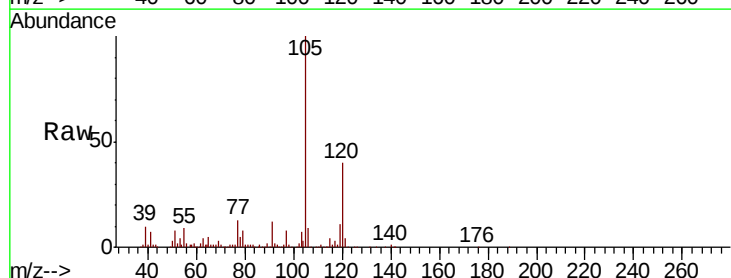
Ion Ratio Lower Upper

105 100

120 39.6 39.8 59.8#

91 12.3 39.4 59.0#

77 13.0 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

16.75

800000

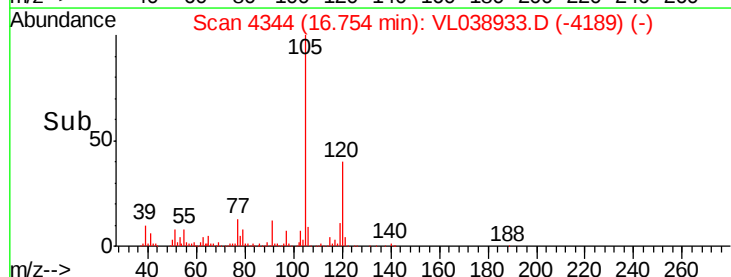
600000

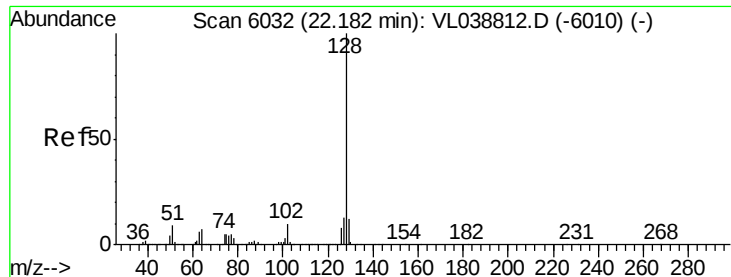
400000

200000

0

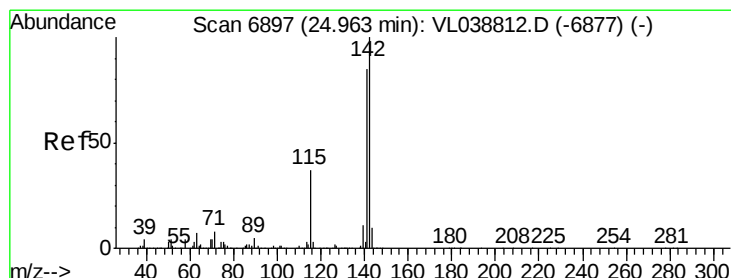
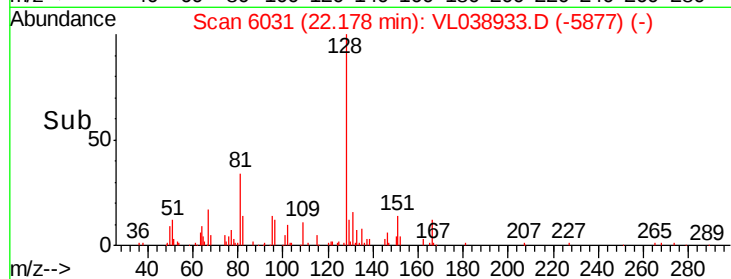
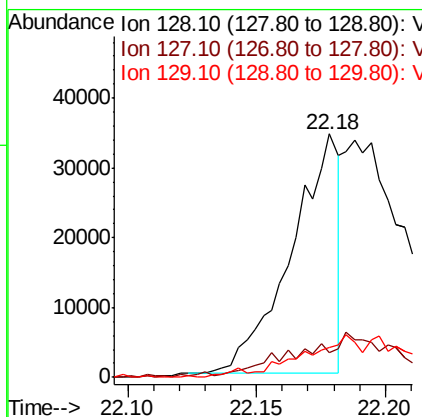
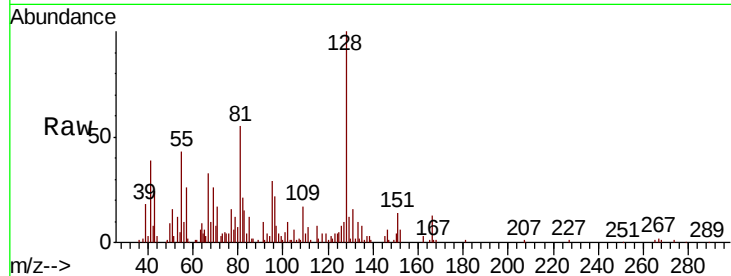
Time--> 16.70 16.80





#79
Naphthalene
Concen: 0.161 ppbv
RT: 22.18 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 1:28

Tot Ion	Ratio	Lower	Upper
128	100		
127	9.8	10.6	15.8#
129	11.7	9.4	14.0



#80
Naphthalene, 2-methyl-
Concen: 0.520 ppbv
RT: 24.96 min Scan# 6897
Delta R.T.: -0.00 min
Lab File: VL038933.D
Acq: 15 Apr 2022 1:26

Tgt Ion	Ratio	Lower	Upper
142	100		
141	90.5	68.8	103.2
115	97.4	31.6	47.4#

