

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
 Data File : VL038936.D
 Acq On : 15 Apr 2022 3:29
 Operator : SY/AP
 Sample : N2351-01
 Misc : 400mL/MSVOA L
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA L
 ClientSampleId :
 1161-8.01-IA-1

Quant Time: Apr 15 08:10:46 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	5.65	49	1151862	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3087264	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	2761550	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2171720	10.37	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.05	85	46489	0.285	ppbv 96
3) Chlorodifluoromethane	2.96	51	1242444	8.838	ppbv # 74
4) Chloromethane	3.13	50	39166	0.538	ppbv 90
9) Propene	3.20	41	2527052	33.977	ppbv 99
10) Heptane	8.11	43	173533	0.926	ppbv # 28
11) Trichlorofluoromethane	3.94	101	27095	0.206	ppbv 96
13) Ethanol	3.60	45	4285746	948.196	ppbv # 100
15) Acetone	3.83	43	3701184	32.275	ppbv 97
16) 1,3-Butadiene	3.30	39	23190	0.354	ppbv # 9
17) tert-Butyl alcohol	3.96	59	523441	5.090	ppbv 97
19) Isopropyl Alcohol	3.96	45	13140890	224.201	ppbv # 100
20) Methylene Chloride	4.34	84	53770	1.293	ppbv 92
21) Allyl Chloride	4.36	41	76159	0.887	ppbv # 45
23) Vinyl Acetate	5.05	43	63113	0.565	ppbv # 1
25) Ethyl Acetate	5.66	43	769463	2.644	ppbv 98
26) Hexane	5.68	57	373368	2.819	ppbv 92
29) Chloroform	5.75	83	23797	0.128	ppbv 90
30) Cyclohexane	7.12	84	54119	0.464	ppbv 89
34) 2-Butanone	5.23	43	735257	6.027	ppbv 97
36) Benzene	6.88	78	530438	1.889	ppbv 96
38) Trichloroethene	7.82	130	25712	0.223	ppbv 93
39) 1,2-Dichloropropane	7.17	63	737789	6.868	ppbv # 27
41) Tetrahydrofuran	6.04	42	523057	4.515	ppbv 97
42) Bromodichloromethane	7.78	83	6832	0.034	ppbv # 36
44) 2,2,4-Trimethylpentane	7.86	57	582909	1.226	ppbv 91
50) 4-Methyl-2-Pentanone	8.73	43	55214	0.201	ppbv # 39
51) 2-Hexanone	10.10	43	37972	0.184	ppbv # 43
52) Tetrachloroethene	11.20	164	4720	0.048	ppbv # 74
53) Toluene	9.79	91	4720397	14.559	ppbv 100
58) Ethyl Benzene	12.70	91	1066247	2.584	ppbv 93
59) m/p-Xylene	12.95	91	3445410	9.938	ppbv 98
60) o-Xylene	13.68	91	1135828	3.501	ppbv 98
61) Styrene	13.51	104	36093	0.183	ppbv # 85
62) Isopropylbenzene	14.65	105	48989	0.101	ppbv 97
64) n-propylbenzene	15.55	120	47974	0.379	ppbv # 48
65) tert-Butylbenzene	16.75	119	105807	0.245	ppbv # 61
69) p-Isopropyltoluene	17.64	119	45235	0.091	ppbv # 90
70) n-Butylbenzene	18.54	91	29852	0.060	ppbv # 73
72) 4-Ethyltoluene	15.82	105	392602	1.013	ppbv 98
73) 1,3,5-Trimethylbenzene	15.98	105	250880	0.721	ppbv 92
74) 1,2,4-Trimethylbenzene	16.74	105	979129	2.662	ppbv # 69

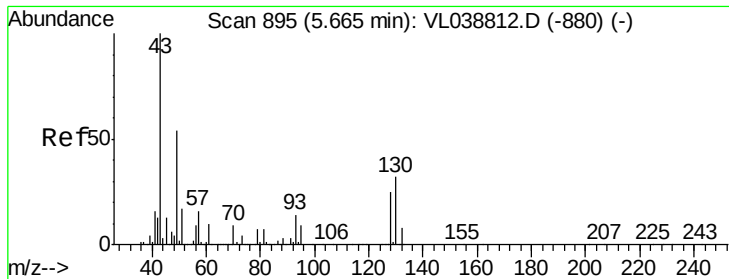
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL041422\
Data File : VL038936.D
Acq On : 15 Apr 2022 3:29
Operator : SY/AP
Sample : N2351-01
Misc : 400mL/MSVOA L
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
1161-8.01-IA-1

Quant Time: Apr 15 08:10:46 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)
79) Naphthalene	22.17	128	17850	0.065	ppbv #	89
80) Naphthalene,2-methyl-	24.96	142	7285	0.107	ppbv #	71

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T.:

Lab File: ClientSampleId:

Acq: 15 Apr 2022 3:29

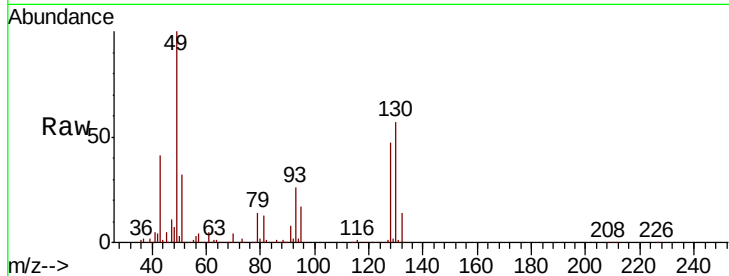
Tot Ion: 49 Resp: 1151862

Ion Ratio Lower Upper

49 100

128 49.0 24.1 72.3

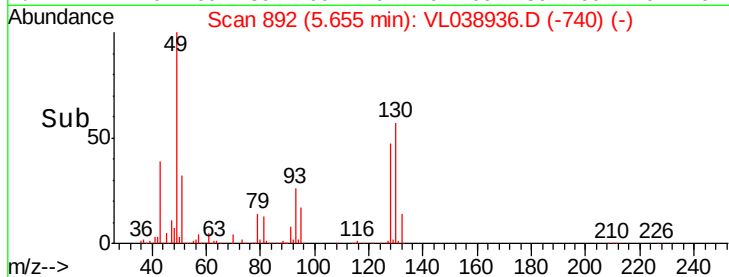
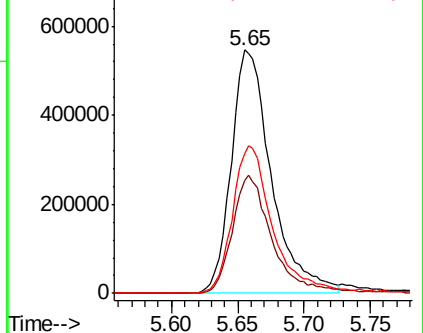
130 62.3 30.9 92.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.285 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038936.D

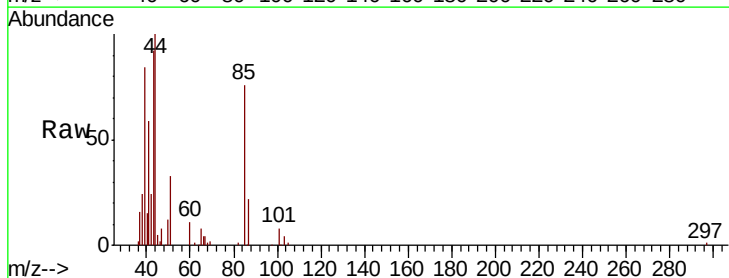
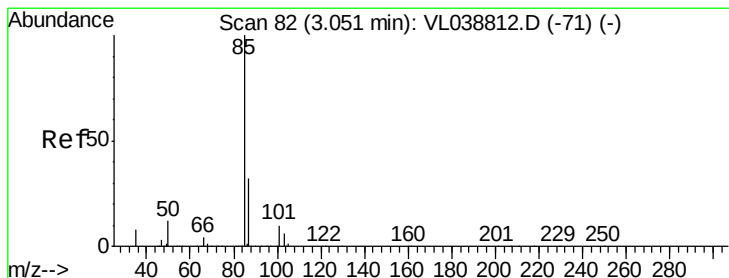
Acq: 15 Apr 2022 3:29

Tgt Ion: 85 Resp: 46489

Ion Ratio Lower Upper

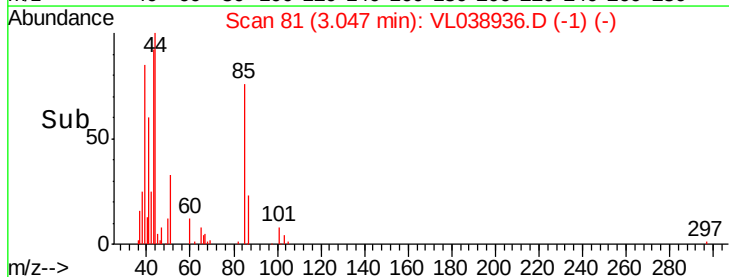
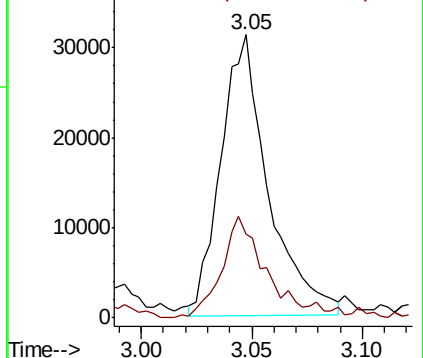
85 100

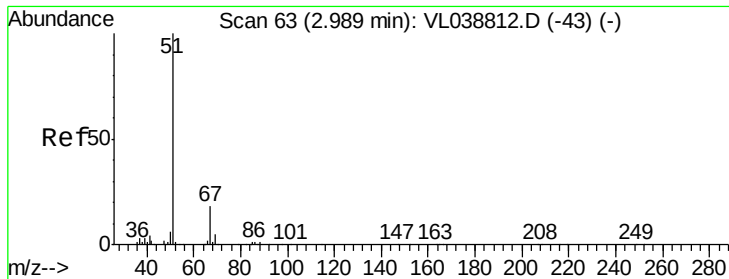
87 30.1 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.838 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

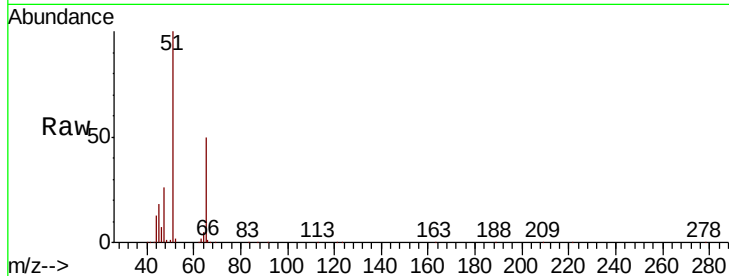
Acq: 15 Apr 2022 3:29

Tot Ion: 51 Resp: 1242444

Ion Ratio Lower Upper

51 100

67 5.5 13.4 20.0#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.96

500000

400000

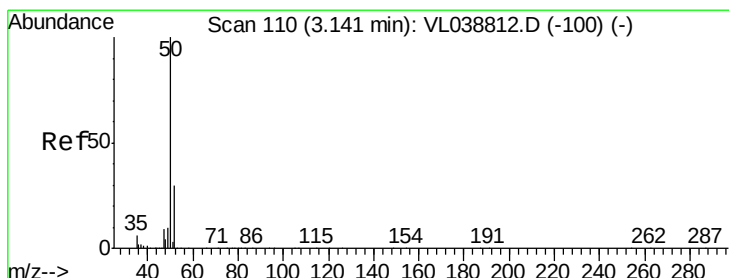
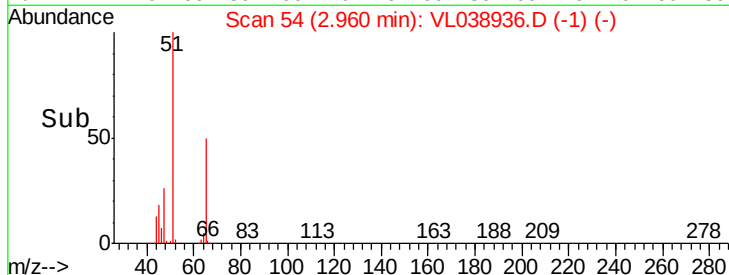
300000

200000

100000

0

Time-->



#4

Chloromethane

Concen: 0.538 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL038936.D

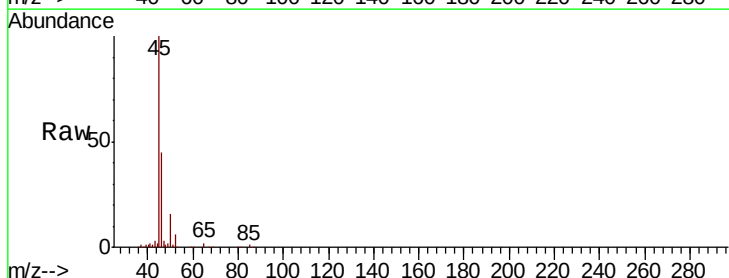
Acq: 15 Apr 2022 3:29

Tgt Ion: 50 Resp: 39166

Ion Ratio Lower Upper

50 100

52 36.0 24.3 36.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

40000

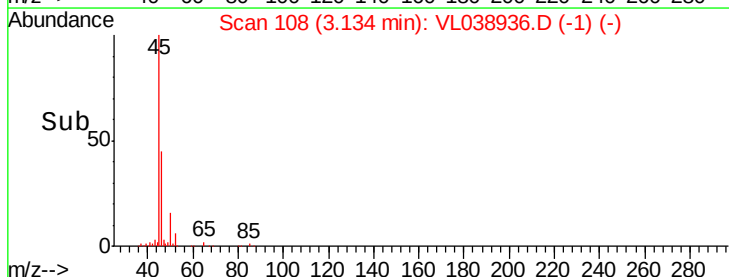
30000

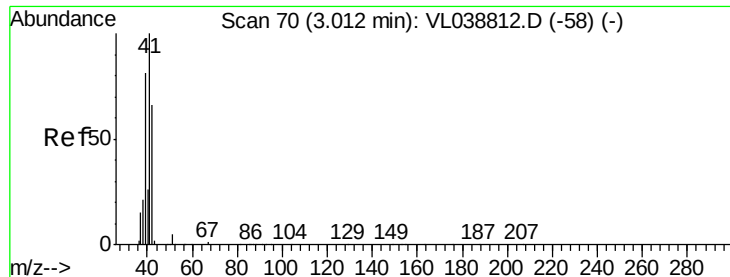
20000

10000

0

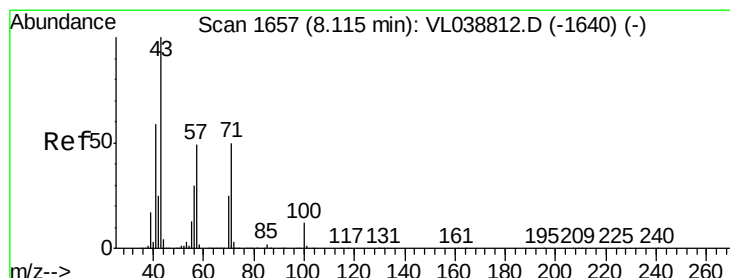
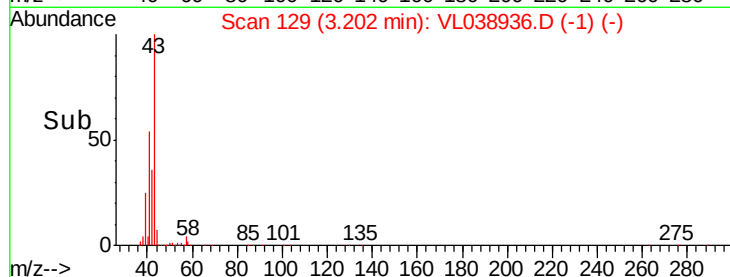
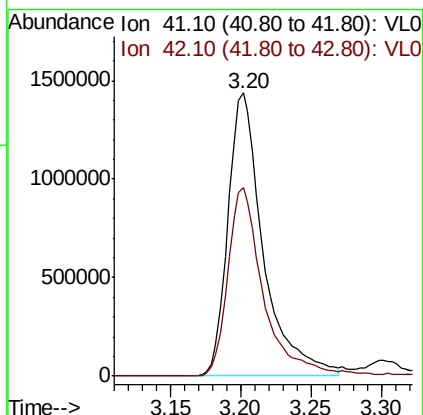
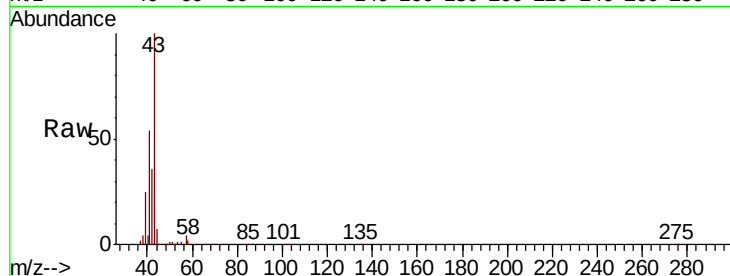
Time-->





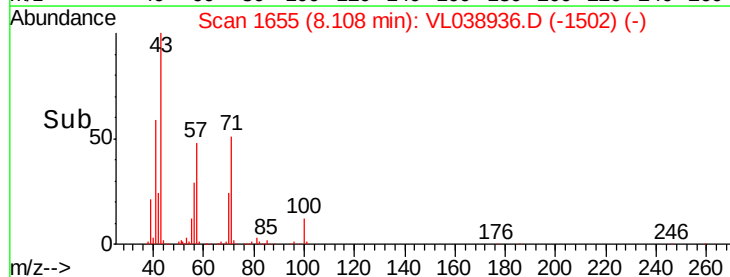
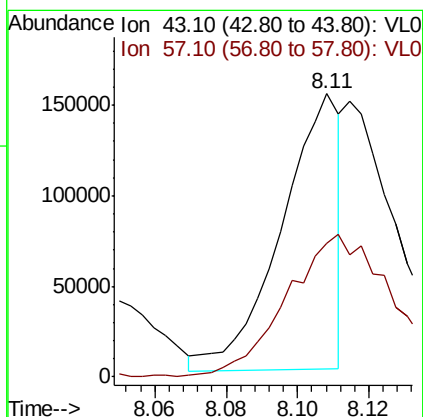
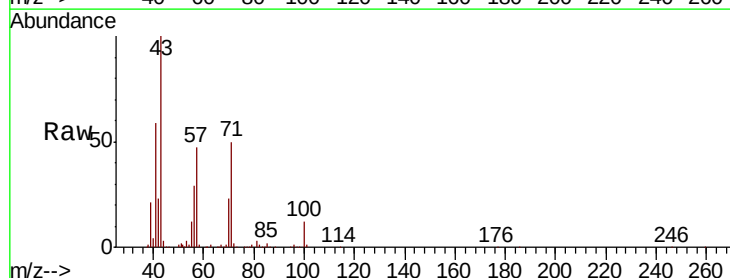
#9
 Propene
 Concen: 33.977 ppbv
 RT: 3.20
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

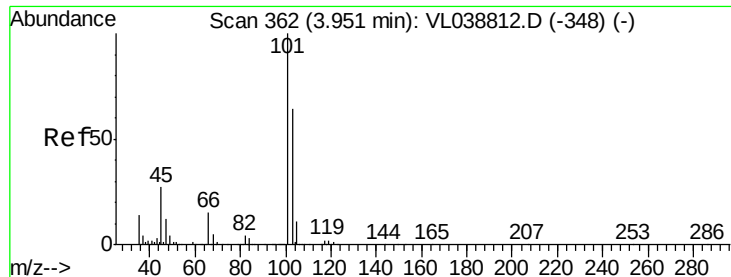
Tot Ion: 41 Resp: 2527052
 Ion Ratio Lower Upper
 41 100
 42 67.3 54.2 81.4



#10
 Heptane
 Concen: 0.926 ppbv
 RT: 8.11 min Scan# 1655
 Delta R.T. -0.01 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

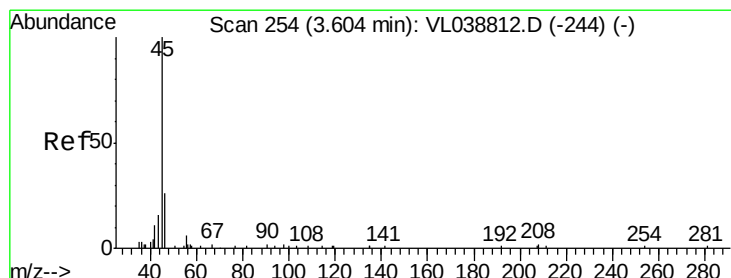
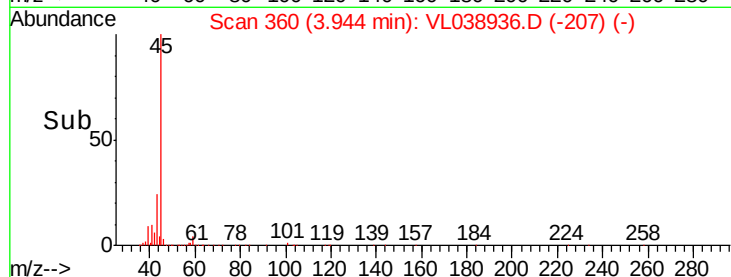
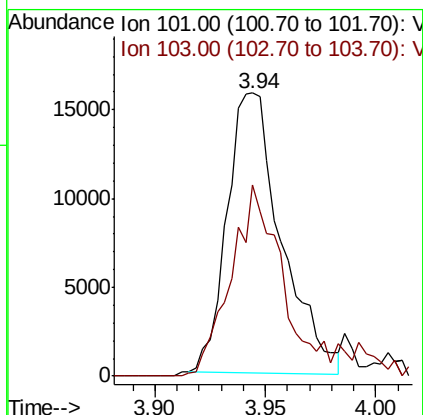
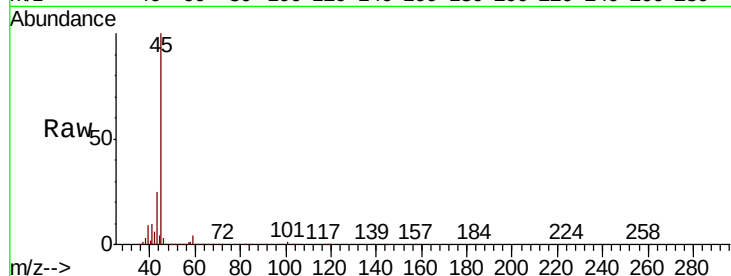
Tgt Ion: 43 Resp: 173533
 Ion Ratio Lower Upper
 43 100
 57 0.0 39.3 58.9#





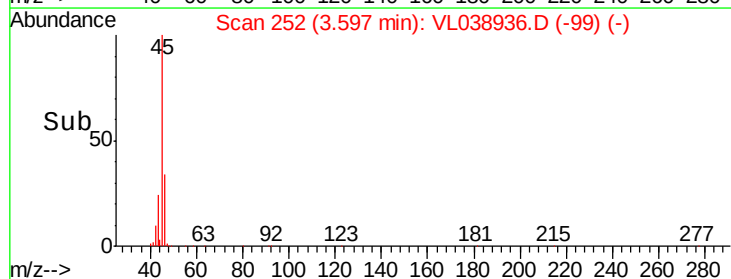
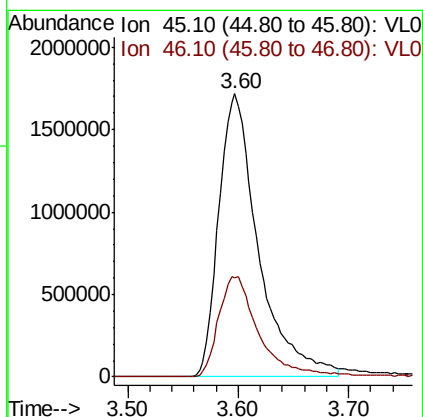
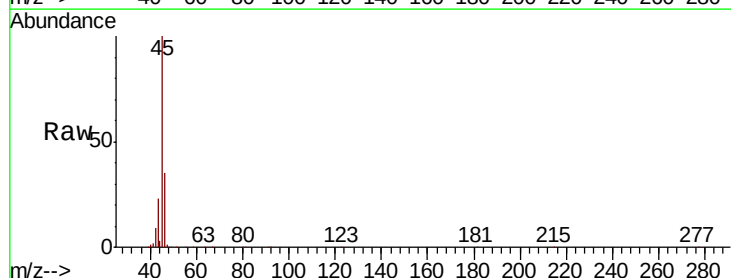
#11
 Trichlorofluoromethane
 Concen: 0.206 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 3:29

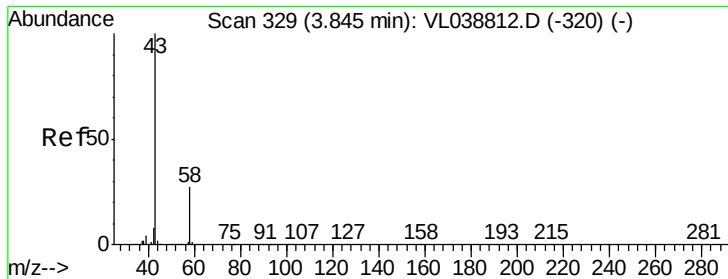
Tot Ion: 101 Resp: 27095
 Ion Ratio Lower Upper
 101 100
 103 67.6 51.4 77.0



#13
 Ethanol
 Concen: 948.196 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.01 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

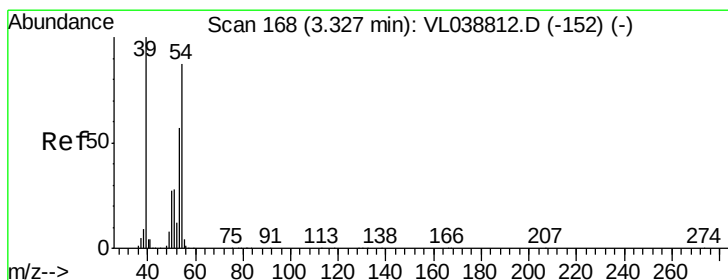
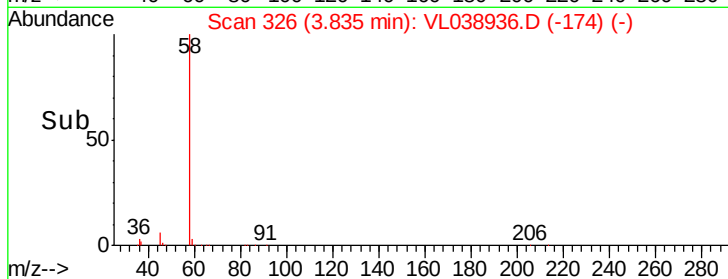
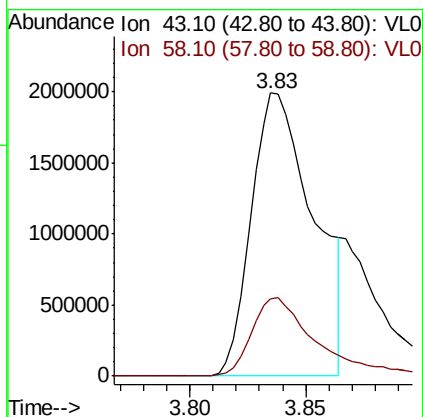
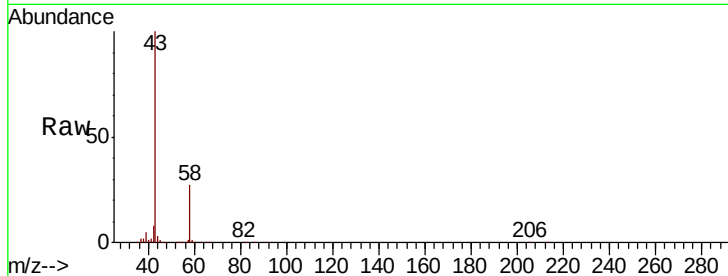
Tgt Ion: 45 Resp: 4285746
 Ion Ratio Lower Upper
 45 100
 46 37.2 0.0 0.0#





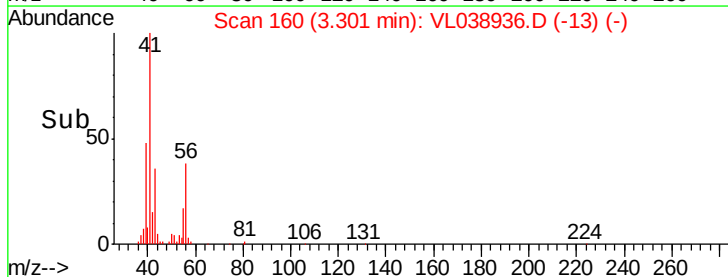
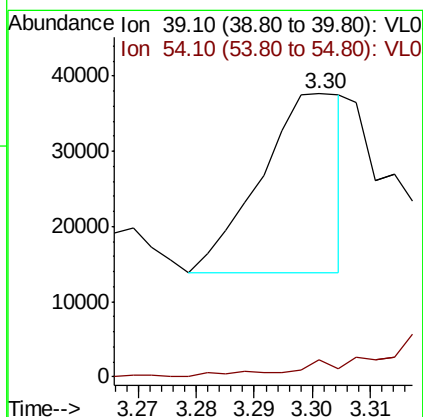
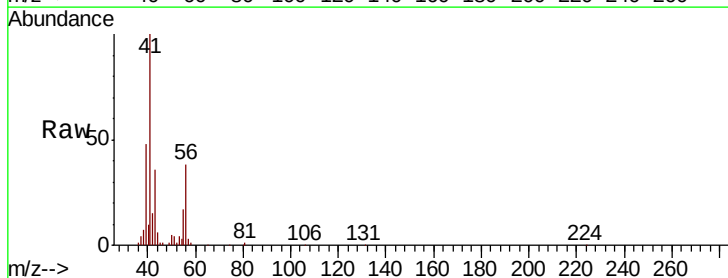
#15
Acetone
Concen: 32.275 ppbv
RT: 3.83
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 15 Apr 2022 3:29

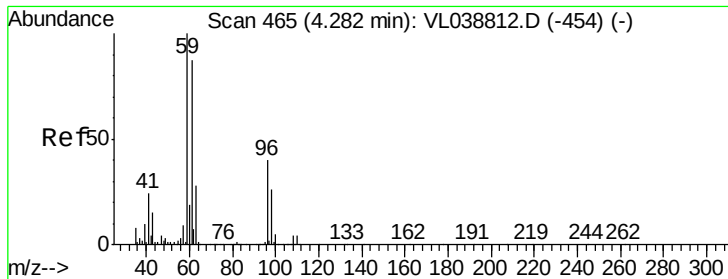
Tot Ion: 43 Resp: 3701184
Ion Ratio Lower Upper
43 100
58 29.8 22.5 33.7



#16
1,3-Butadiene
Concen: 0.354 ppbv
RT: 3.30 min Scan# 160
Delta R.T. -0.03 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

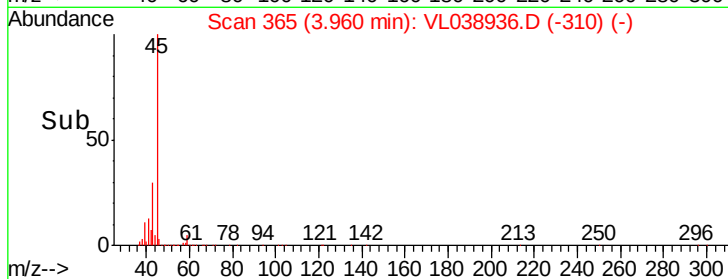
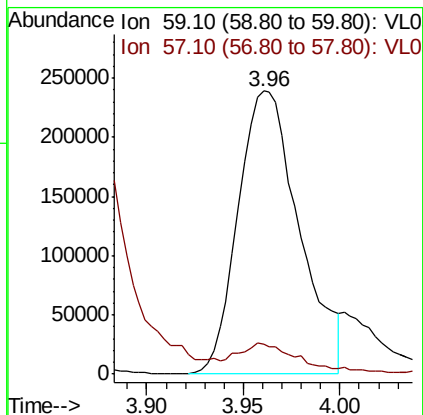
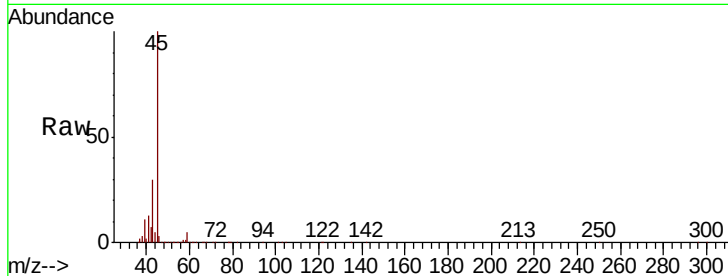
Tgt Ion: 39 Resp: 23190
Ion Ratio Lower Upper
39 100
54 0.0 64.8 97.2#





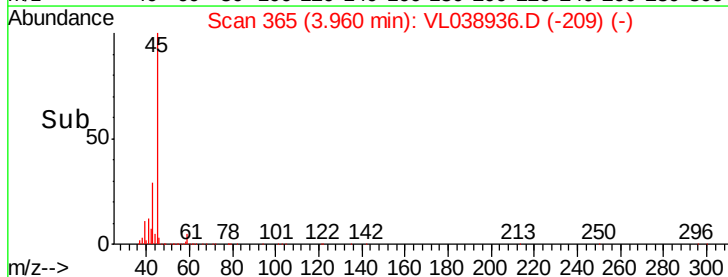
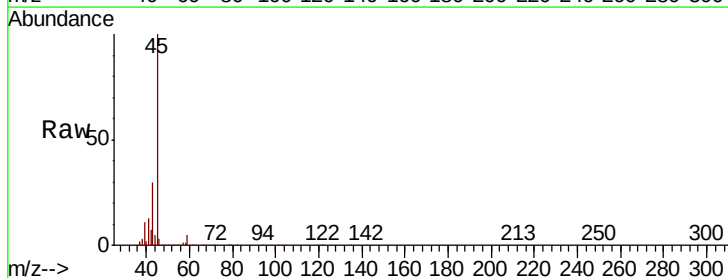
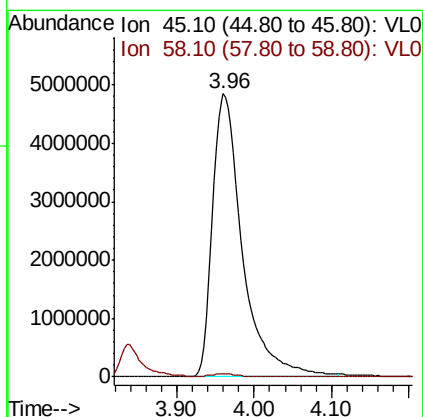
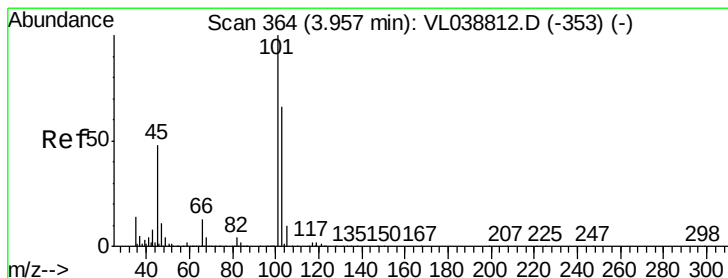
#17
 tert-Butyl alcohol
 Concen: 5.090 ppbv
 RT: 3.96
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

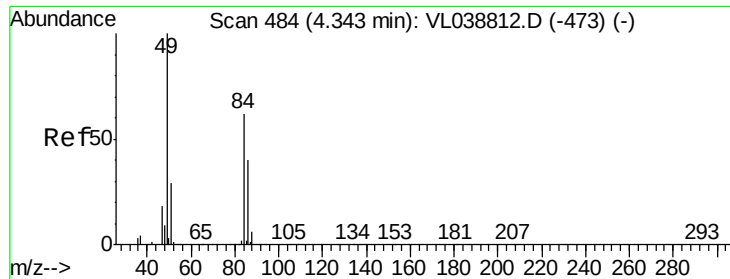
Tot Ion: 59 Resp: 523441
 Ion Ratio Lower Upper
 59 100
 57 11.8 8.5 12.7



#19
 Isopropyl Alcohol
 Concen: 224.201 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

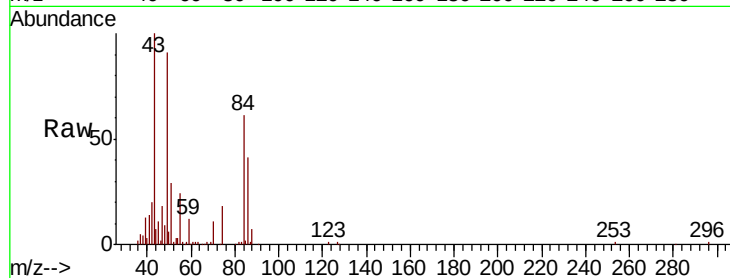
Tgt Ion: 45 Resp: 13140890
 Ion Ratio Lower Upper
 45 100
 58 1.2 0.0 0.0#



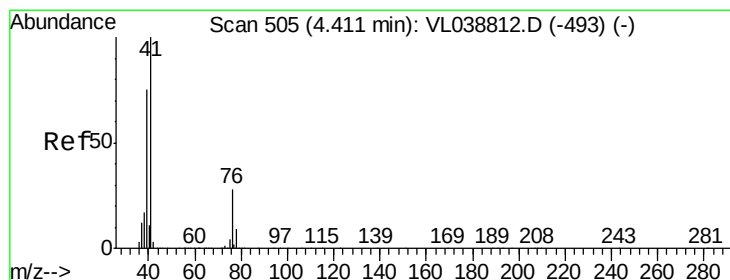
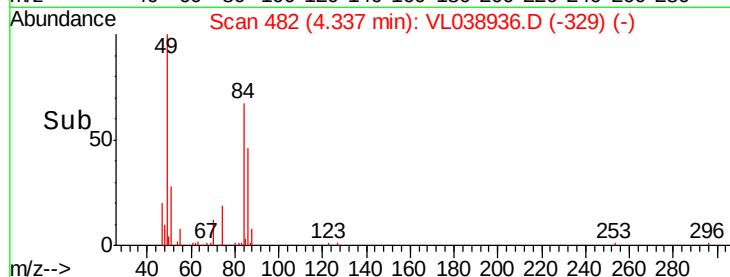
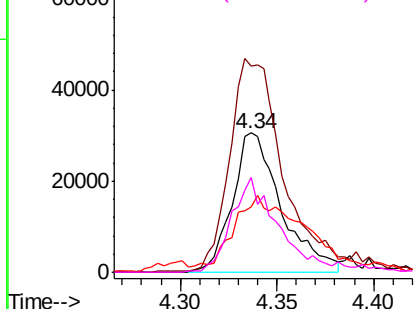


#20
Methvlene Chloride
Concen: 1.293 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 15 Apr 2022 3:29

Tot Ion:	84	Resp:	53770
Ion	Ratio	Lower	Upper
84	100		
49	147.1	129.4	194.0
51	42.7	37.4	56.2
86	67.2	51.4	77.2

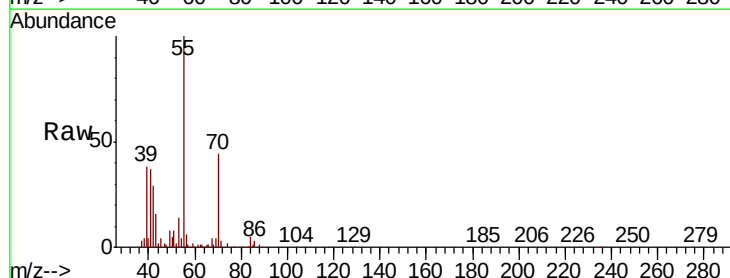


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

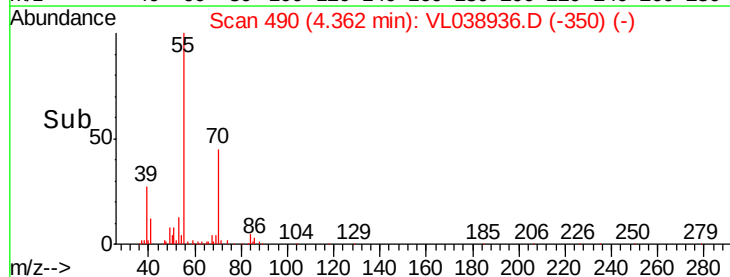
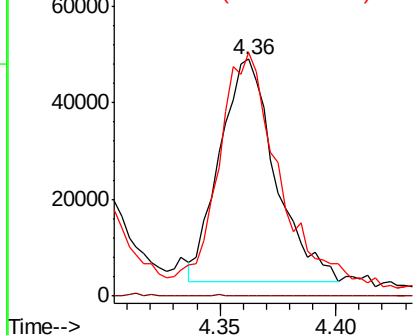


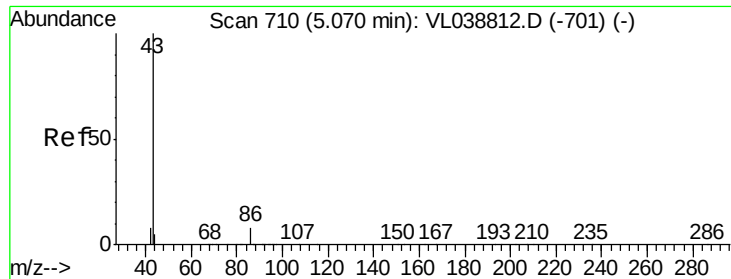
#21
Allyl Chloride
Concen: 0.887 ppbv
RT: 4.36 min Scan# 490
Delta R.T. -0.05 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

Tgt Ion:	41	Resp:	76159
Ion	Ratio	Lower	Upper
41	100		
76	0.1	23.7	35.5#
39	124.7	62.0	93.0#



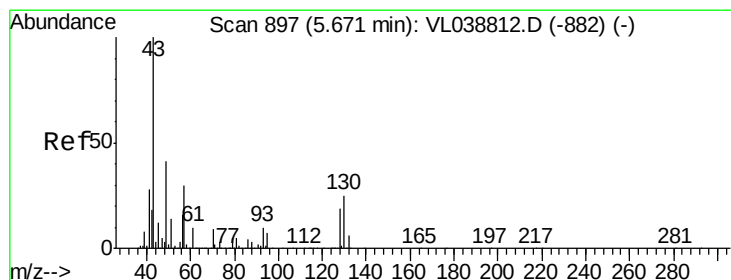
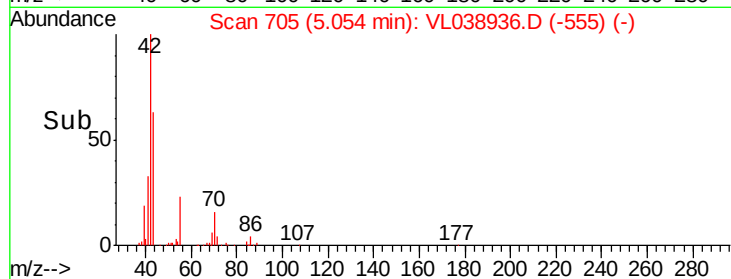
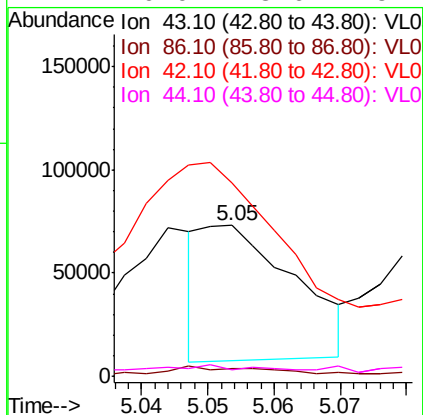
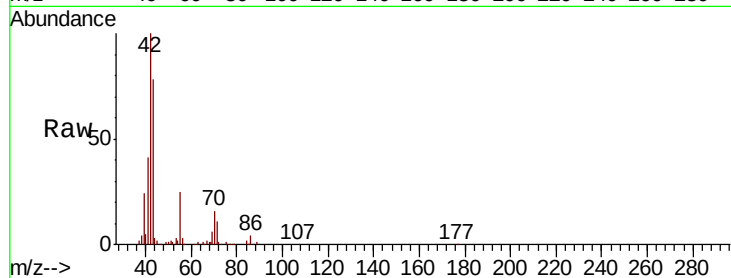
Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0





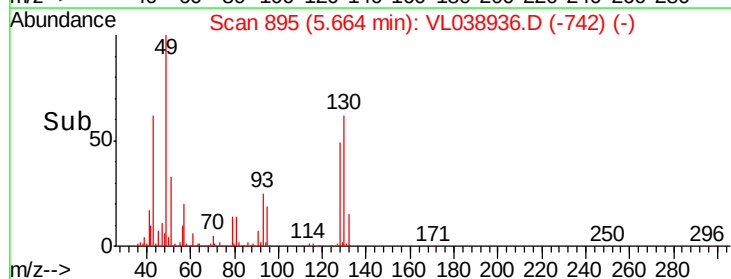
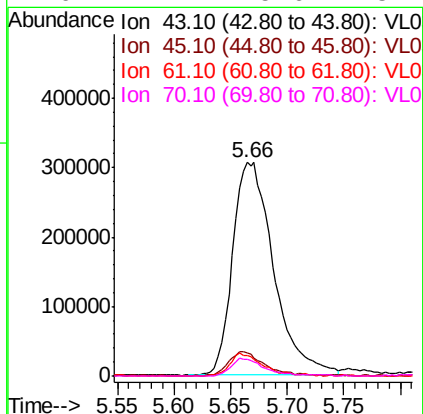
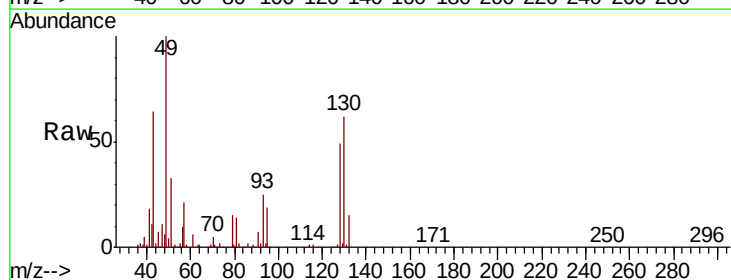
#23
 Vinyl Acetate
 Concen: 0.565 ppbv
 RT: 5.05
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

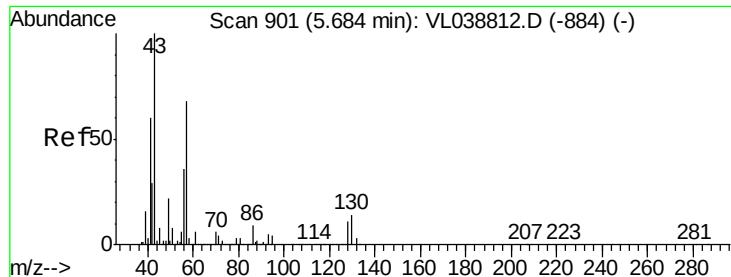
Tot Ion:	43	Resp:	63113
Ion	Ratio	Lower	Upper
43	100		
86	3.8	5.8	8.6#
42	146.4	7.8	11.6#
44	0.0	3.6	5.4#



#25
 Ethyl Acetate
 Concen: 2.644 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. -0.01 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

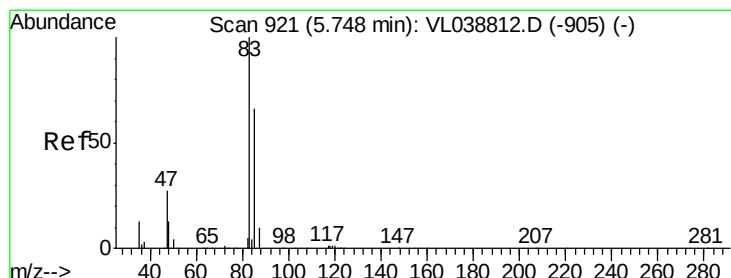
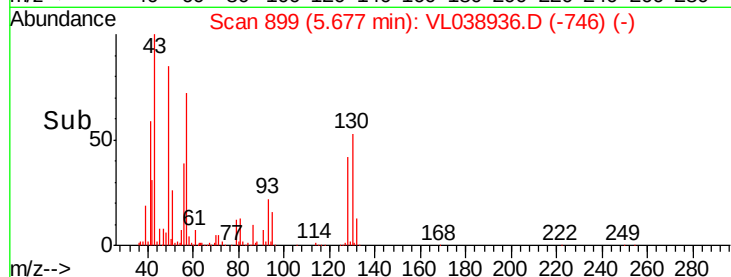
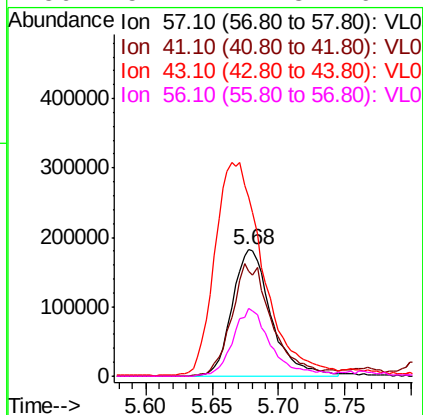
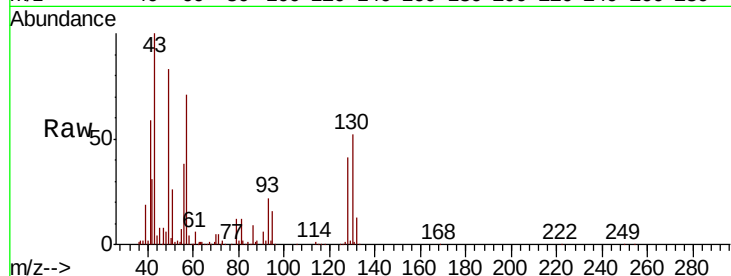
Tgt Ion:	43	Resp:	769463
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.4	12.6
61	8.8	7.9	11.9
70	7.2	5.6	8.4





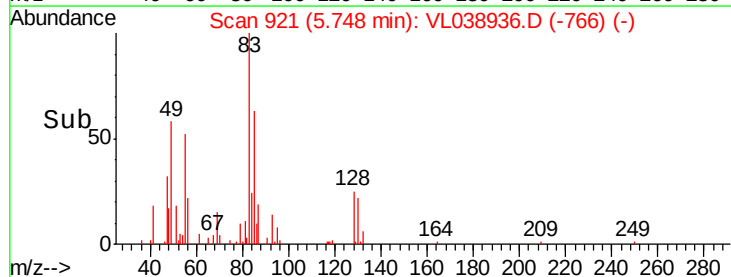
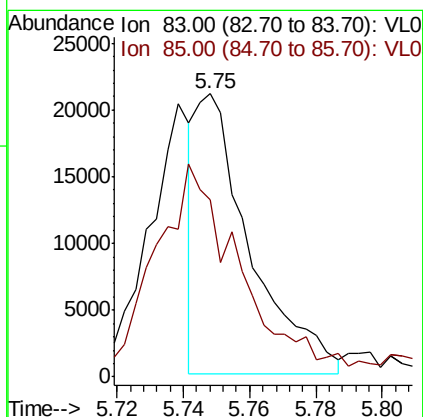
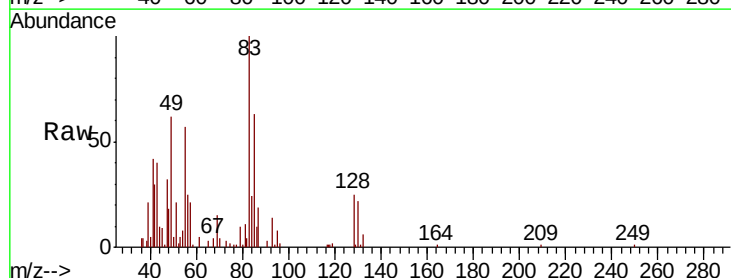
#26
Hexane
Concen: 2.819 ppbv
RT: 5.68
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 15 Apr 2022 3:29

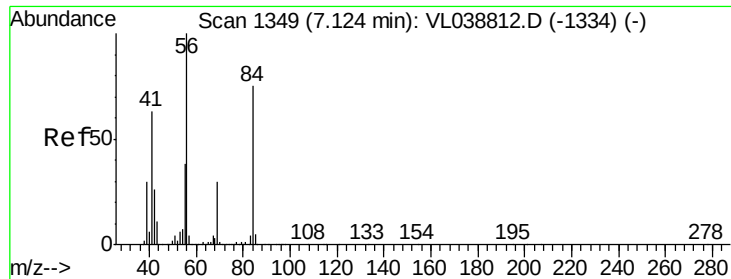
Tot Ion:	57	Resp:	373368
Ion	Ratio	Lower	Upper
57	100		
41	93.0	72.0	108.0
43	213.8	186.6	280.0
56	52.7	42.8	64.2



#29
Chloroform
Concen: 0.128 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

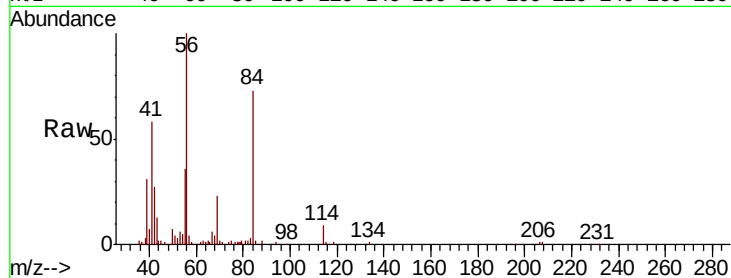
Tgt Ion:	83	Resp:	23797
Ion	Ratio	Lower	Upper
83	100		
85	57.8	52.5	78.7



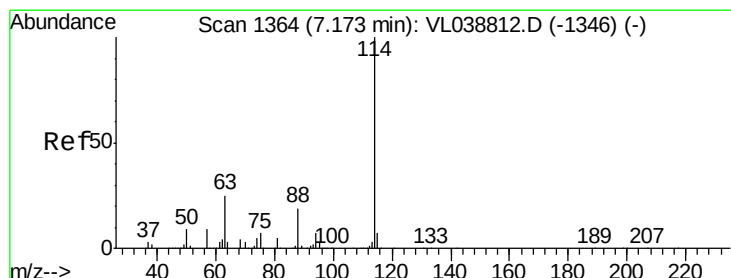
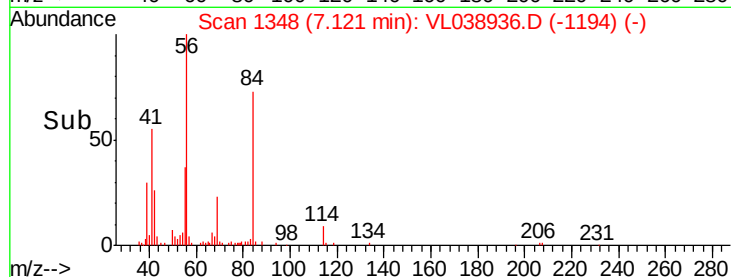
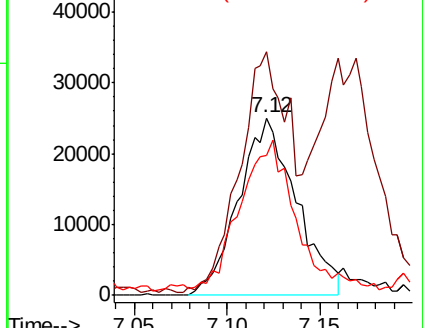


#30
Cyclohexane
Concen: 0.464 ppbv
RT: 7.12 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 15 Apr 2022 3:29

Tot Ion: 84 Resp: 54119
Ion Ratio Lower Upper
84 100
56 124.3 114.4 171.6
41 83.0 69.0 103.4

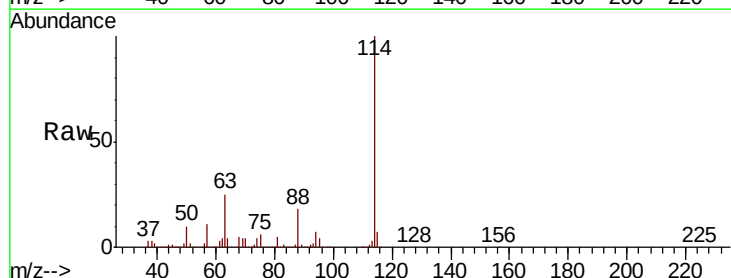


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

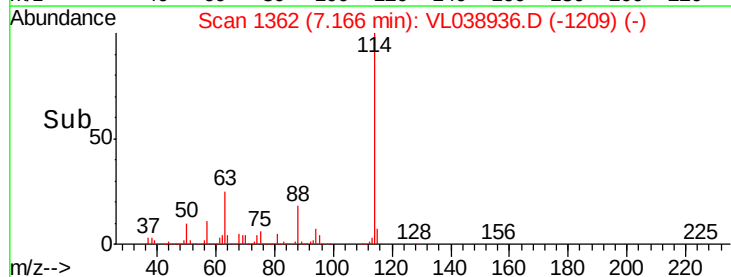
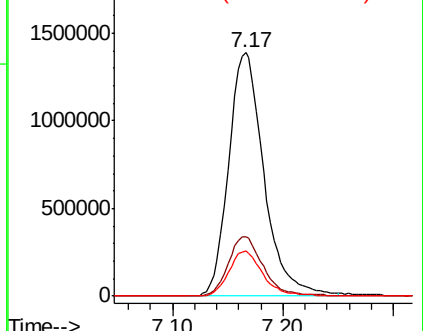


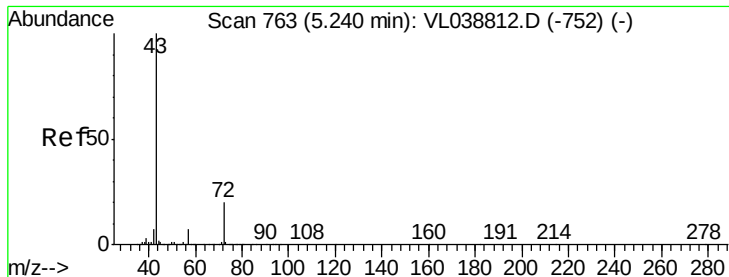
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T.: -0.01 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

Tgt Ion: 114 Resp: 3087264
Ion Ratio Lower Upper
114 100
63 24.5 19.8 29.8
88 18.0 14.2 21.4



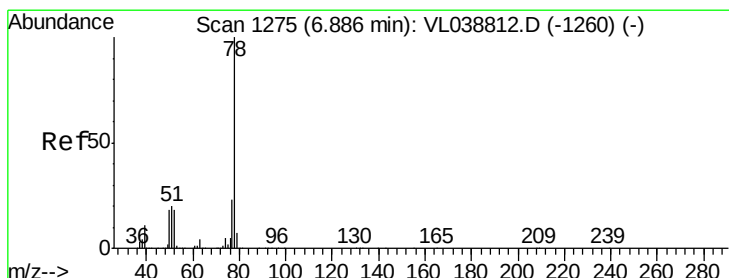
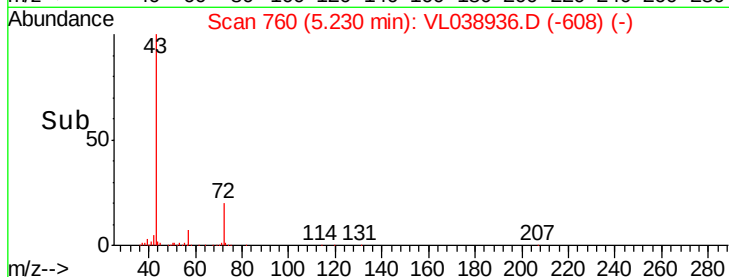
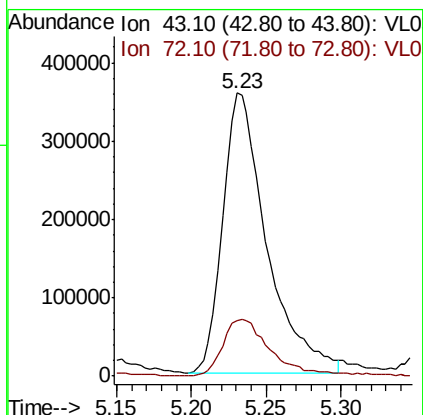
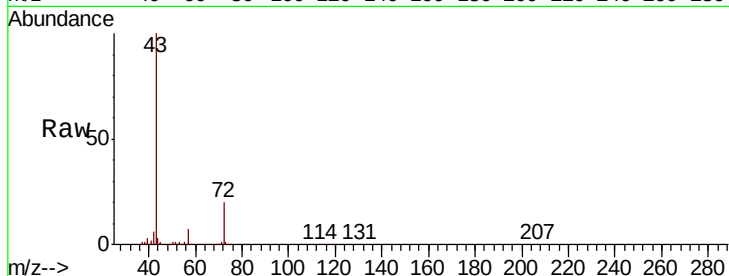
Abundance Ion 114.10 (113.80 to 114.80): VL0
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





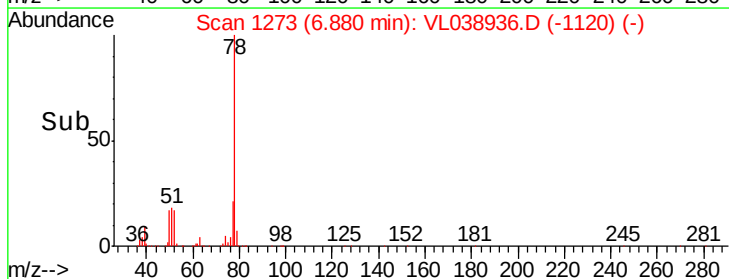
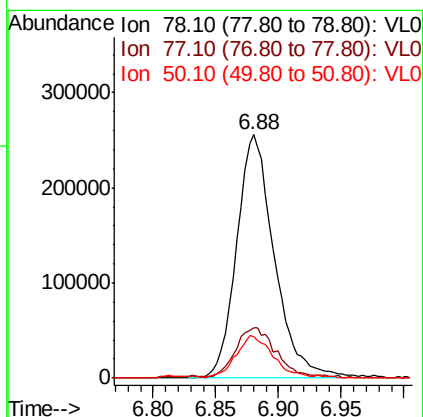
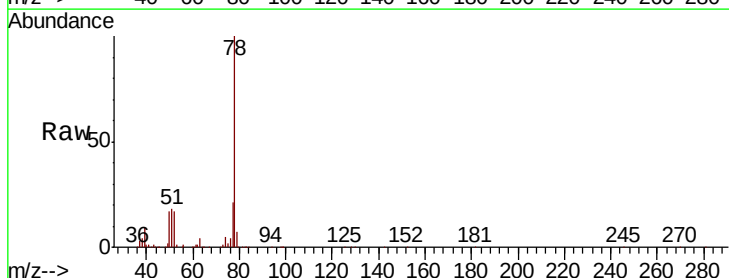
#34
 2-Butanone
 Concen: 6.027 ppbv
 RT: 5.23
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

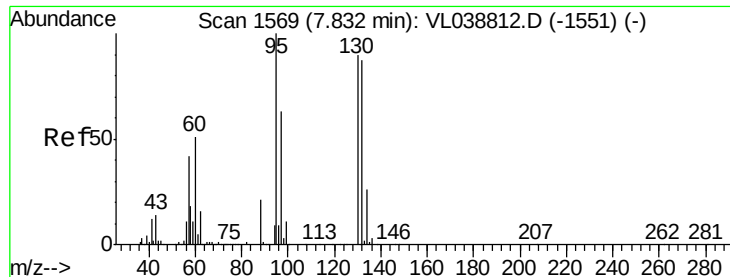
Tot Ion: 43 Resp: 735257
 Ion Ratio Lower Upper
 43 100
 72 22.6 16.9 25.3



#36
 Benzene
 Concen: 1.889 ppbv
 RT: 6.88 min Scan# 1273
 Delta R.T. -0.01 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

Tgt Ion: 78 Resp: 530438
 Ion Ratio Lower Upper
 78 100
 77 20.2 18.2 27.2
 50 16.9 14.0 21.0





#38

Trichloroethene

Concen: 0.223 ppbv

RT: 7.82 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 3:29

Tot Ion:130 Resp: 25712

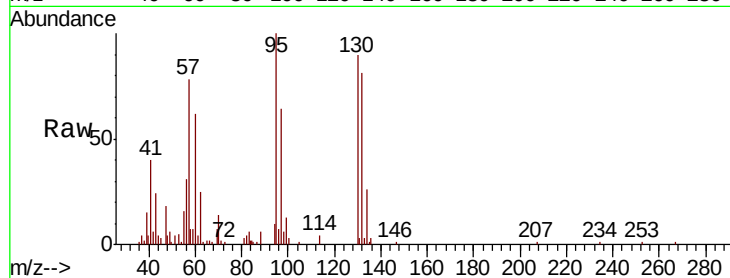
Ion Ratio Lower Upper

130 100

95 117.9 89.4 134.0

132 87.6 77.7 116.5

97 64.3 56.0 84.0

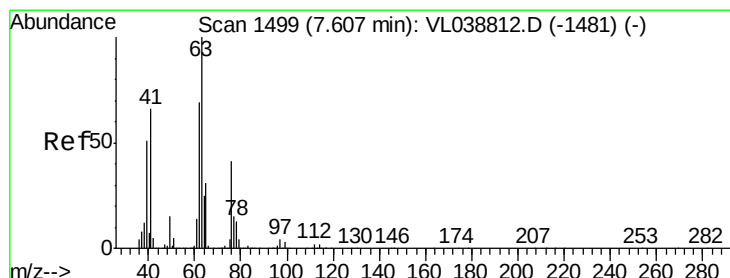
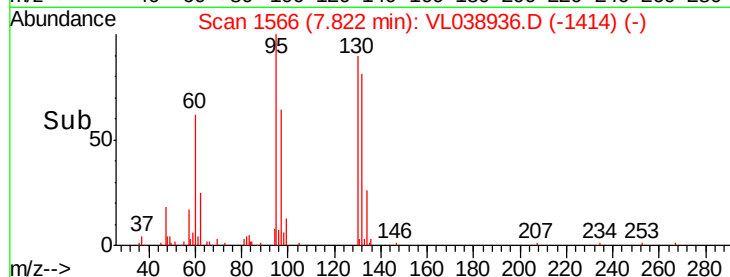
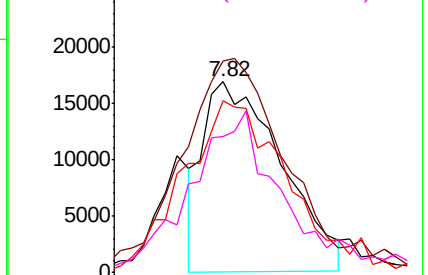


Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0



#39

1,2-Dichloropropane

Concen: 6.868 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.44 min

Lab File: VL038936.D

Acq: 15 Apr 2022 3:29

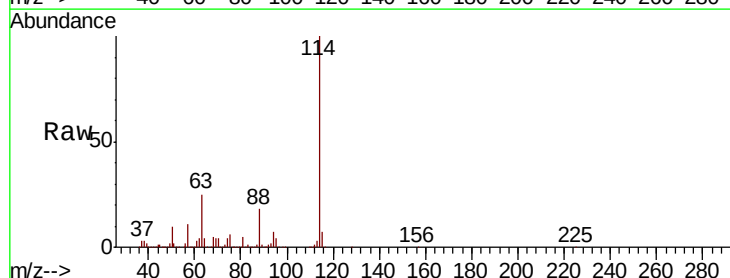
Tgt Ion: 63 Resp: 737789

Ion Ratio Lower Upper

63 100

41 0.0 53.0 79.6#

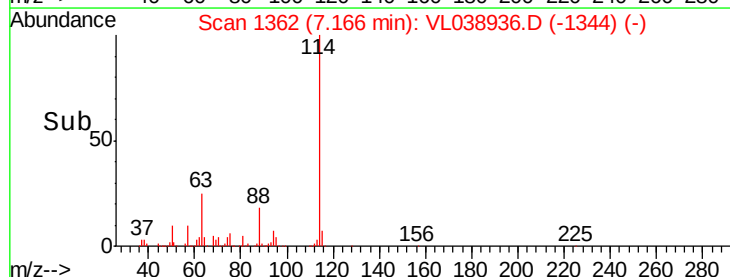
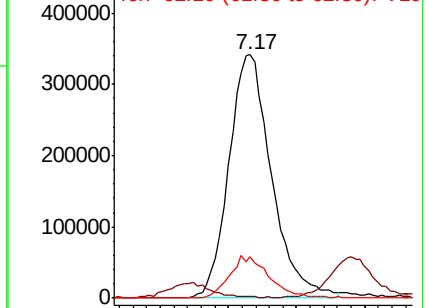
62 16.7 55.0 82.4#

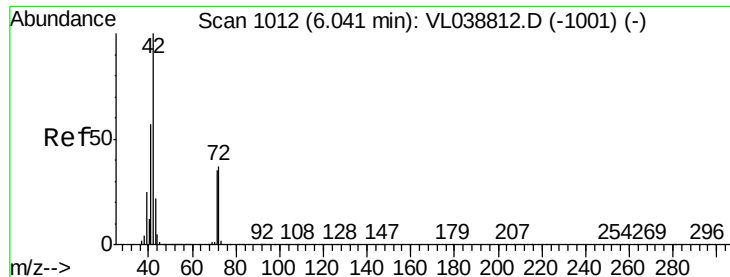


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0





#41

Tetrahydrofuran

Concen: 4.515 ppbv

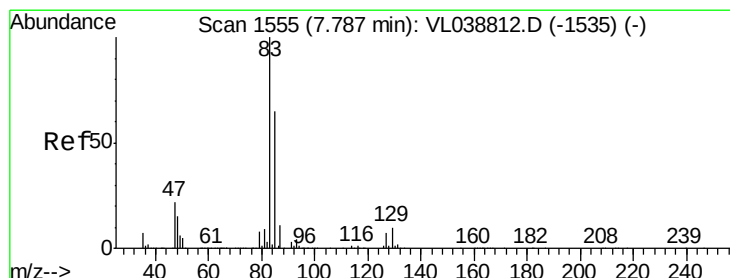
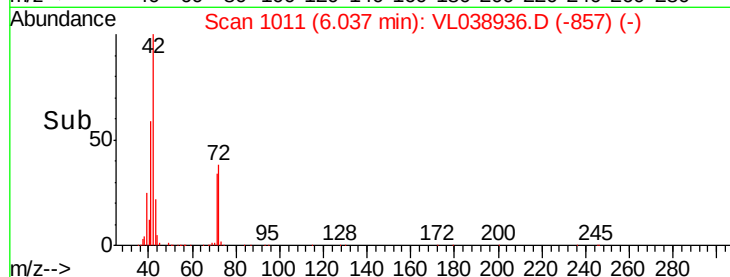
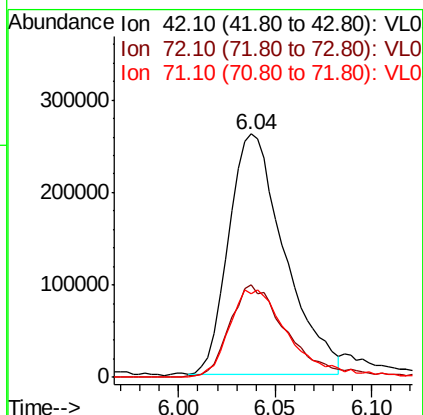
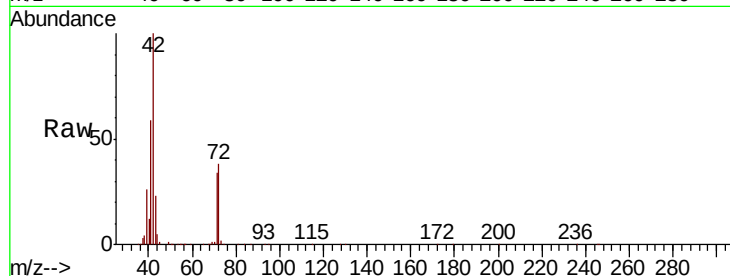
RT: 6.04 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: 1161-8.01-A-1

Acq: 15 Apr 2022 3:29

Tot Ion:	42	Resp:	523057
Ion	Ratio	Lower	Upper
42	100		
72	41.1	31.4	47.0
71	39.9	30.2	45.4



#42

Bromodichloromethane

Concen: 0.034 ppbv

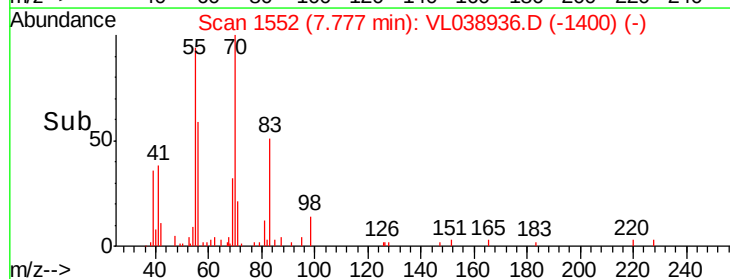
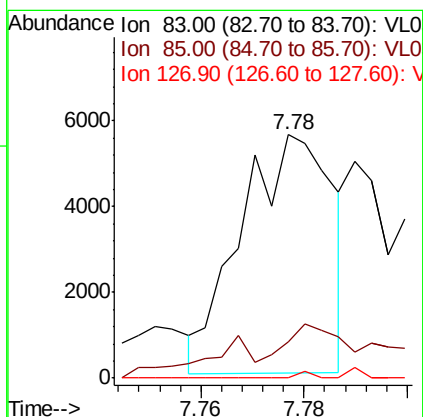
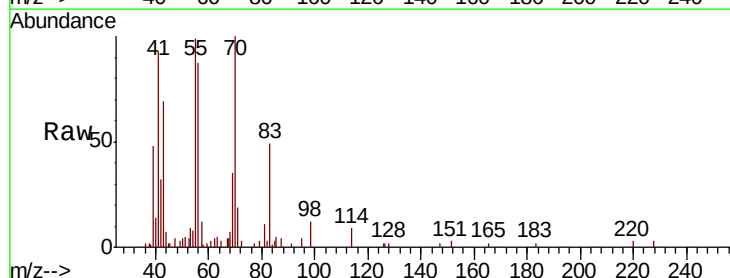
RT: 7.78 min Scan# 1552

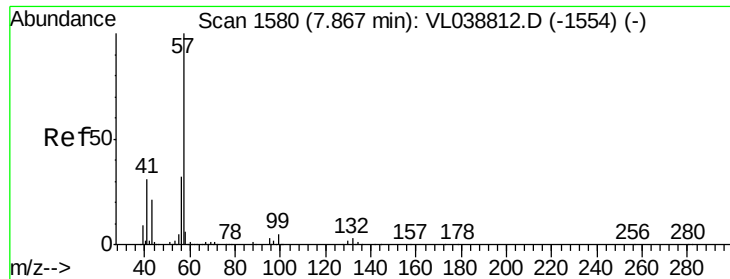
Delta R.T. -0.01 min

Lab File: VL038936.D

Acq: 15 Apr 2022 3:29

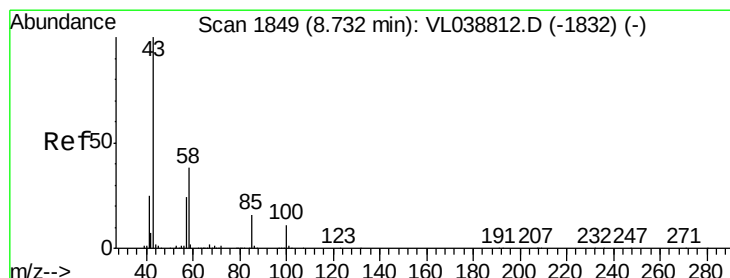
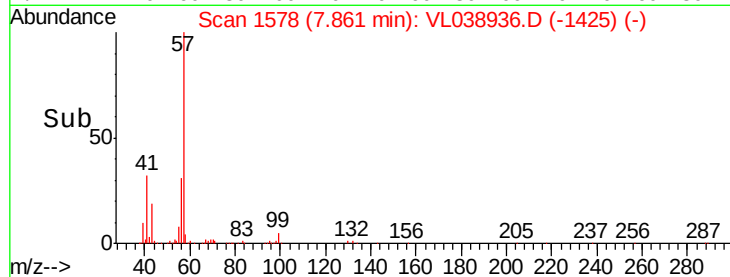
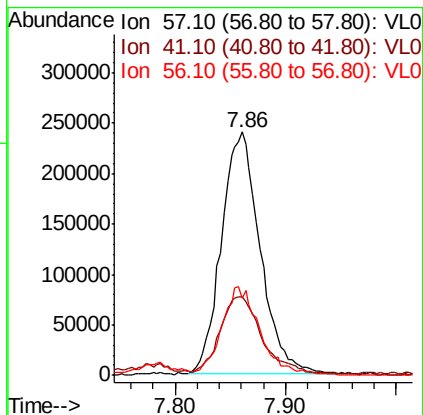
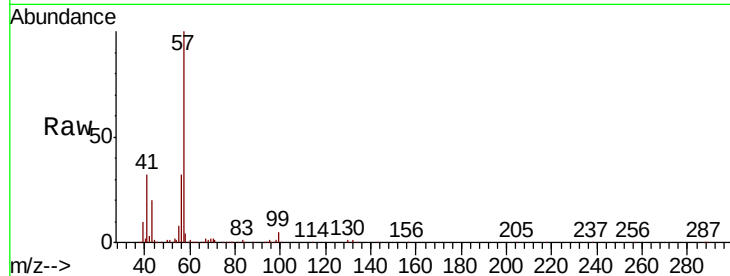
Tgt Ion:	83	Resp:	6832
Ion	Ratio	Lower	Upper
83	100		
85	10.6	51.7	77.5#
127	0.0	5.9	8.9#





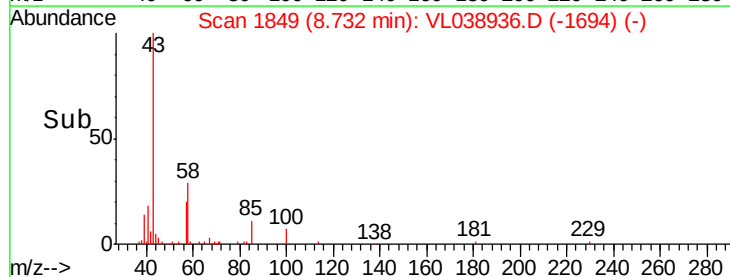
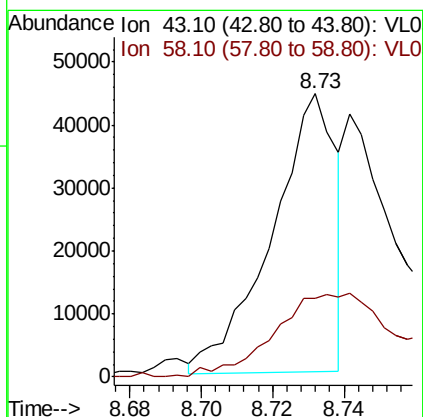
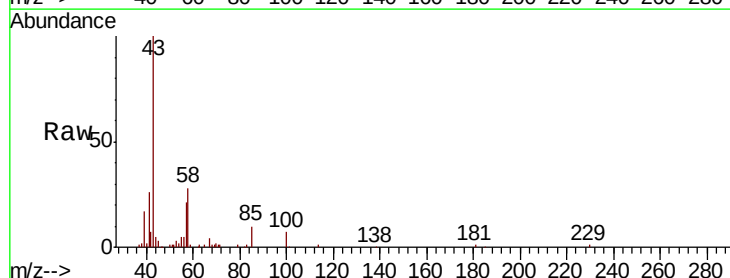
#44
 2,2,4-Trimethylpentane
 Concen: 1.226 ppbv
 RT: 7.86
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 15 Apr 2022 3:29

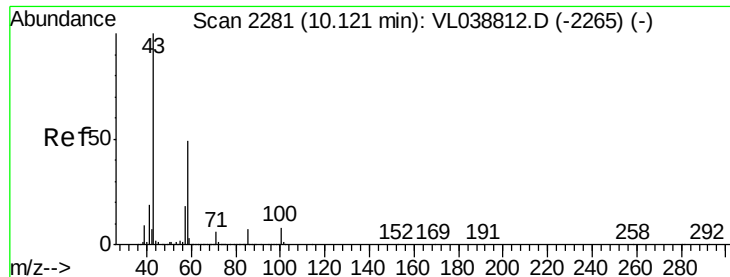
Tot Ion:	57	Resp:	582909
Ion	Ratio	Lower	Upper
57	100		
41	35.7	25.0	37.4
56	36.6	25.3	37.9



#50
 4-Methyl-2-Pentanone
 Concen: 0.201 ppbv
 RT: 8.73 min Scan# 1849
 Delta R.T. -0.00 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

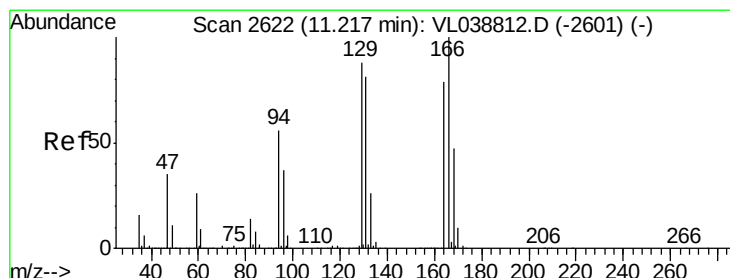
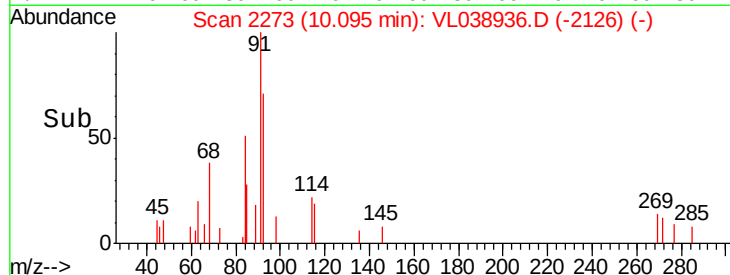
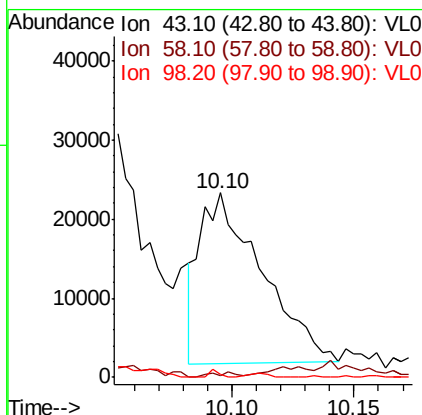
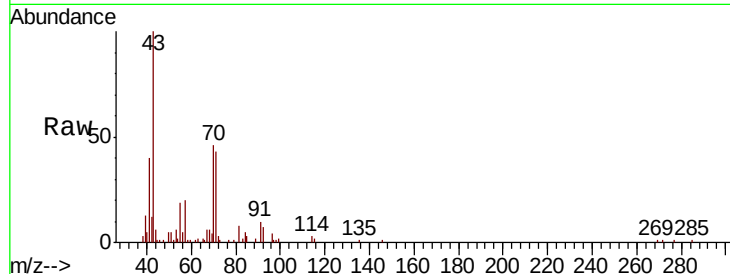
Tgt Ion:	43	Resp:	55214
Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.6#





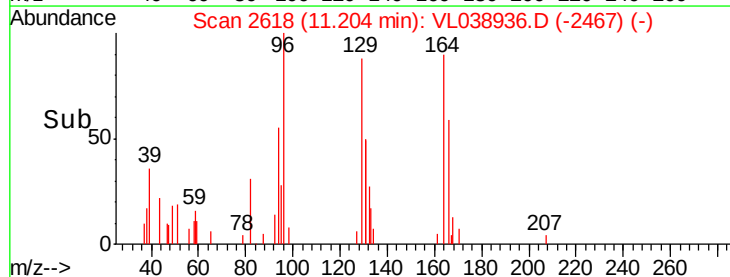
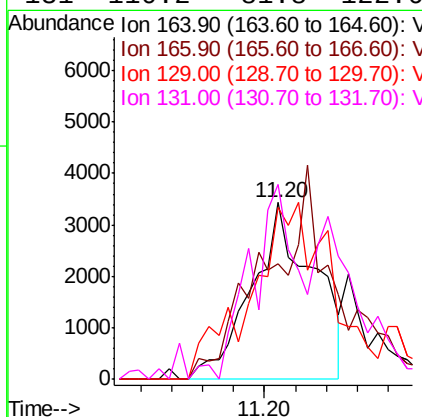
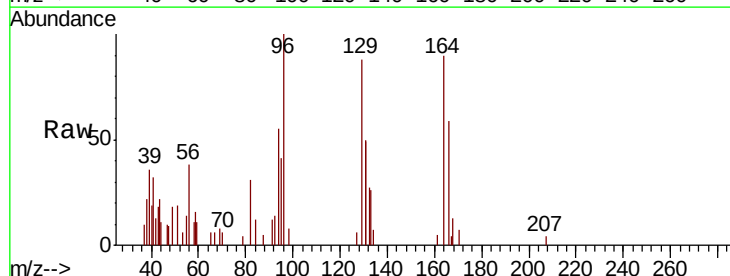
#51
2-Hexanone
Concen: 0.184 ppbv
RT: 10.10
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 15 Apr 2022 3:29

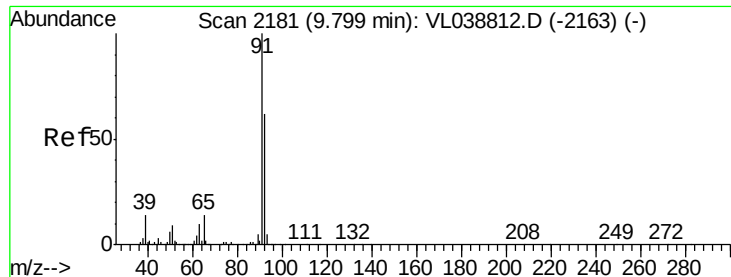
Tot Ion: 43 Resp: 37972
Ion Ratio Lower Upper
43 100
58 11.6 41.4 62.0#
98 1.6 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.048 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.01 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

Tgt Ion: 164 Resp: 4720
Ion Ratio Lower Upper
164 100
166 65.5 101.0 151.6#
129 96.9 88.7 133.1
131 110.2 81.8 122.6





#53

Toluene

Concen: 14.559 ppbv

RT: 9.79 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 1161-8.01-A-1

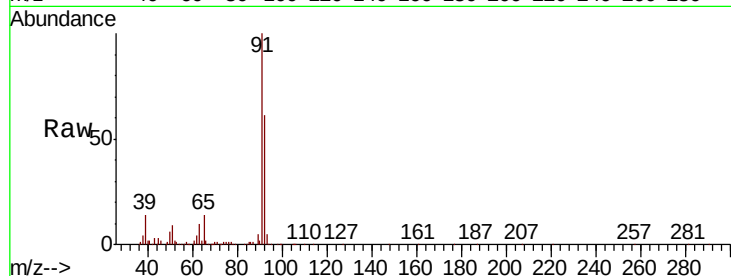
Acq: 15 Apr 2022 3:29

Tot Ion: 91 Resp: 4720397

Ion Ratio Lower Upper

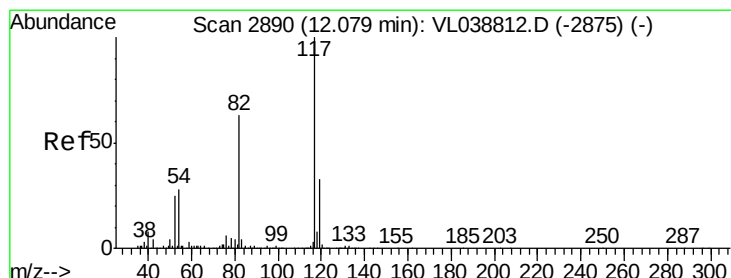
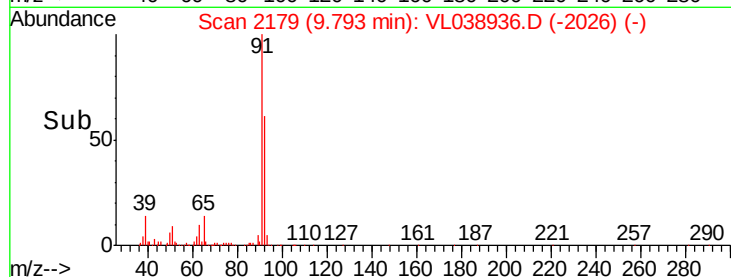
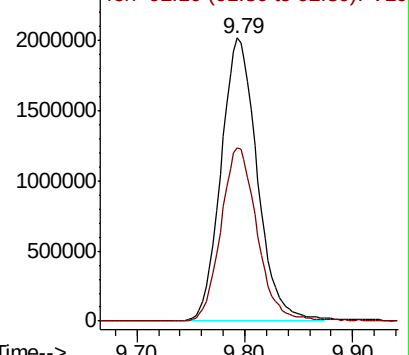
91 100

92 61.4 49.2 73.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.01 min

Lab File: VL038936.D

Acq: 15 Apr 2022 3:29

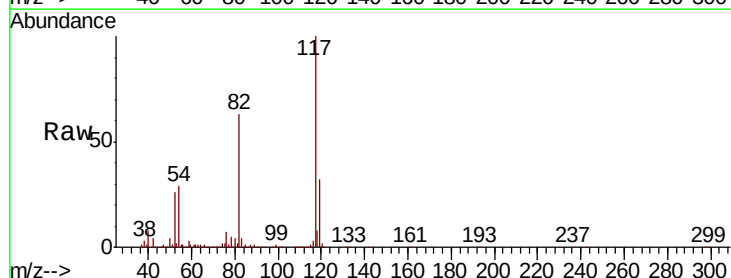
Tgt Ion: 117 Resp: 2761550

Ion Ratio Lower Upper

117 100

82 66.8 53.0 79.6

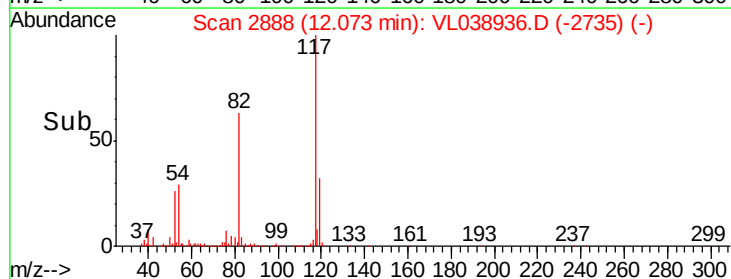
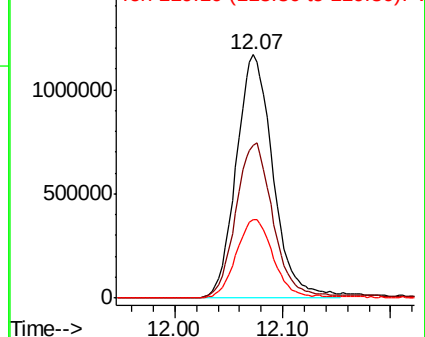
119 33.6 24.9 37.3

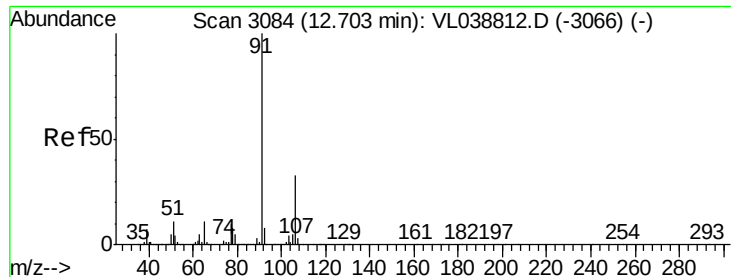


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 2.584 ppbv

RT: 12.70

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

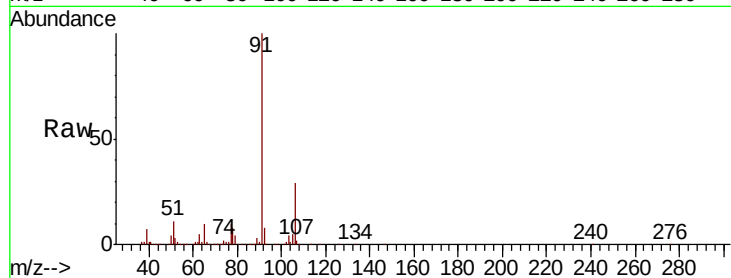
Acq: 15 Apr 2022 3:29

Tot Ion: 91 Resp: 1066247

Ion Ratio Lower Upper

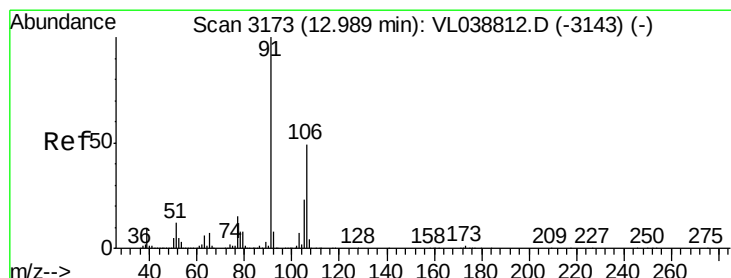
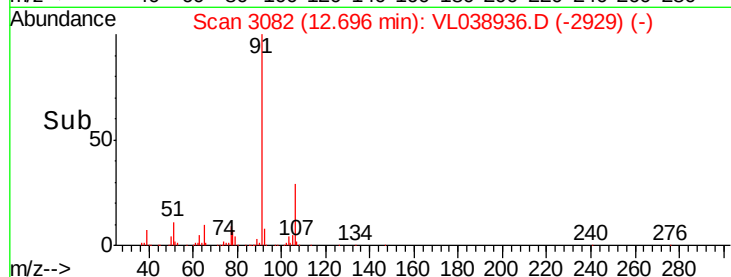
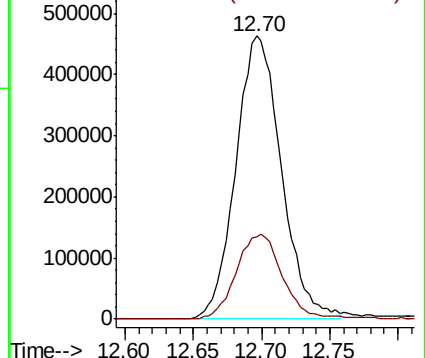
91 100

106 29.2 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: 9.938 ppbv

RT: 12.95 min Scan# 3162

Delta R.T. -0.04 min

Lab File: VL038936.D

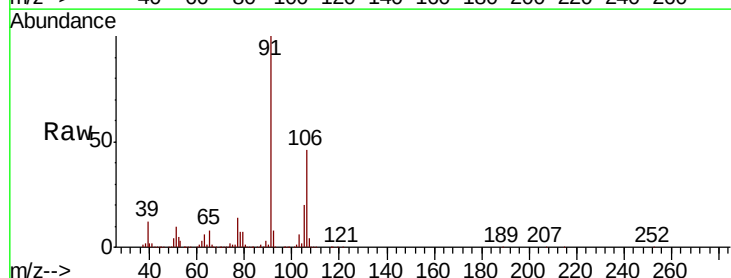
Acq: 15 Apr 2022 3:29

Tgt Ion: 91 Resp: 3445410

Ion Ratio Lower Upper

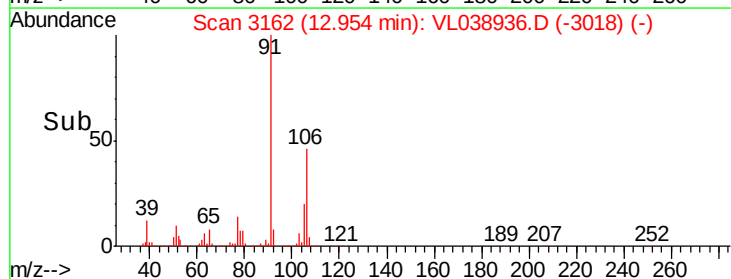
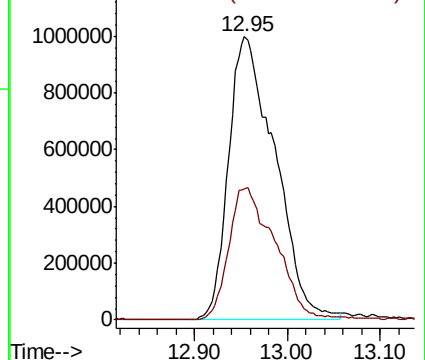
91 100

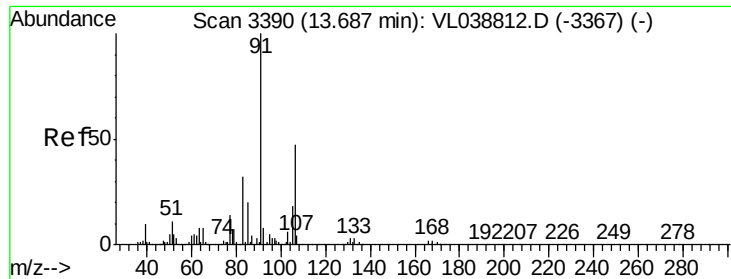
106 47.7 37.1 55.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

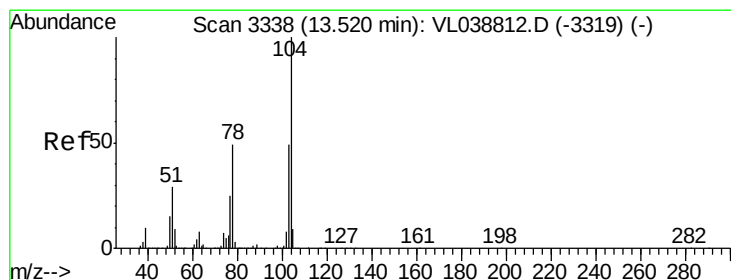
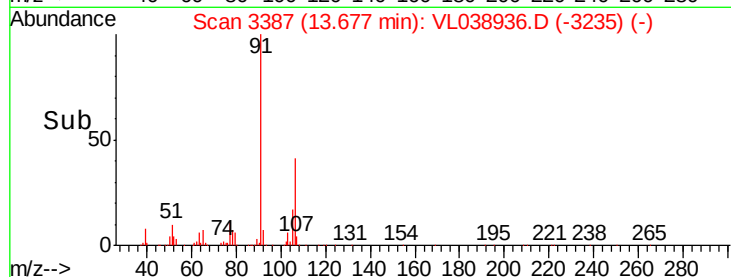
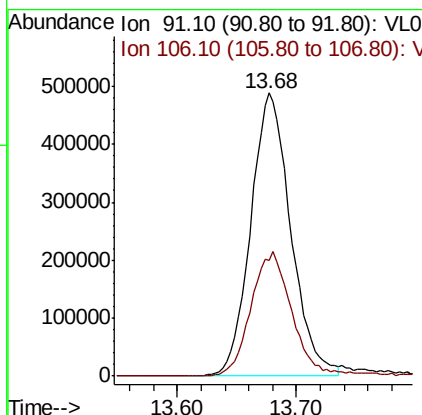
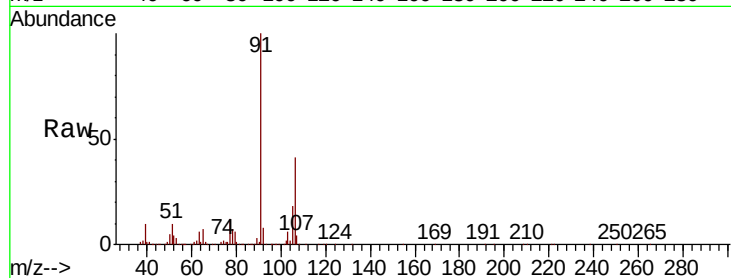
Ion 106.10 (105.80 to 106.80): V





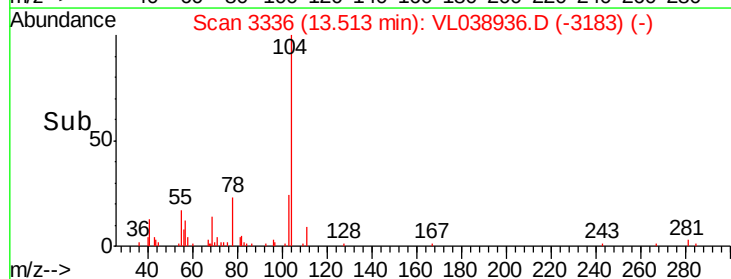
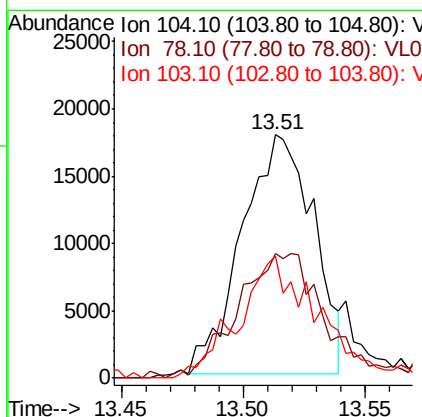
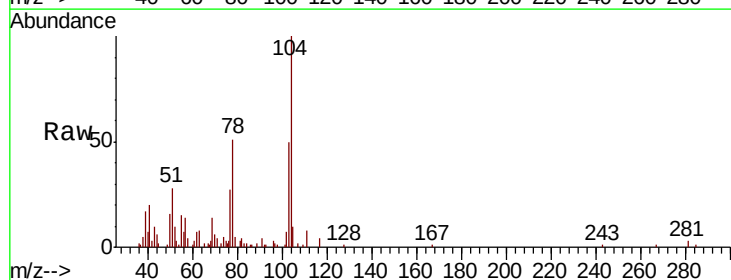
#60
o-Xylene
Concen: 3.501 ppbv
RT: 13.68
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 15 Apr 2022 3:29

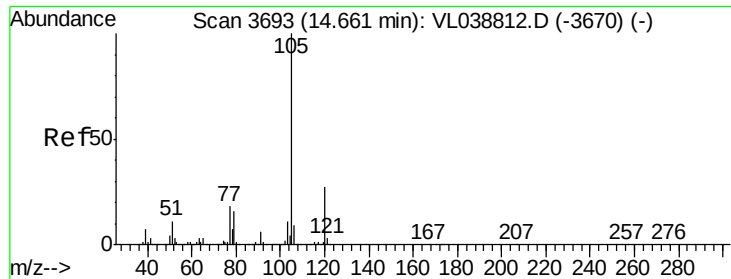
Tot Ion: 91 Resp: 1135828
Ion Ratio Lower Upper
91 100
106 45.9 23.8 71.4



#61
Styrene
Concen: 0.183 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. -0.01 min
Lab File: VL038936.D
Acq: 15 Apr 2022 3:29

Tgt Ion: 104 Resp: 36093
Ion Ratio Lower Upper
104 100
78 63.2 40.5 60.7#
103 56.4 39.0 58.4





#62

Isopropylbenzene

Concen: 0.101 ppbv

RT: 14.65

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

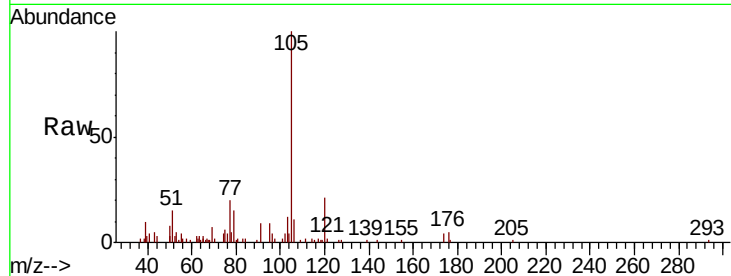
Acq: 15 Apr 2022 3:29

Tot Ion:105 Resp: 48989

Ion Ratio Lower Upper

105 100

120 25.8 21.8 32.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.65

20000

15000

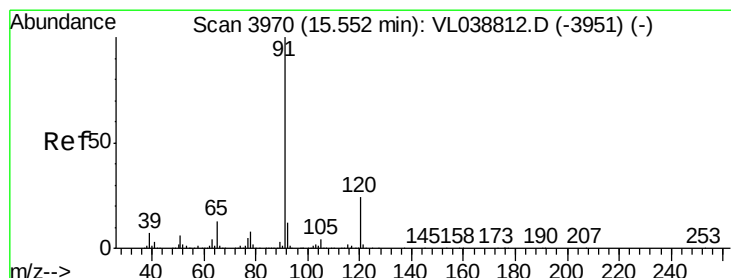
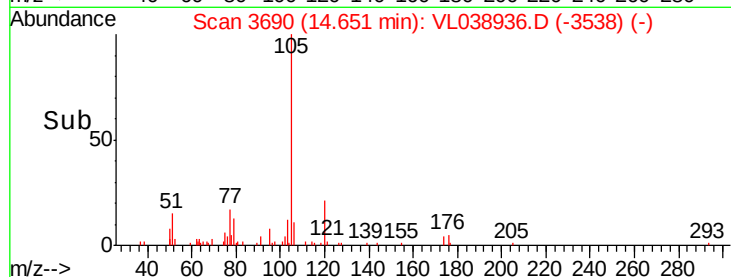
10000

5000

0

Time-->

14.60 14.65 14.70



#64

n-propylbenzene

Concen: 0.379 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.01 min

Lab File: VL038936.D

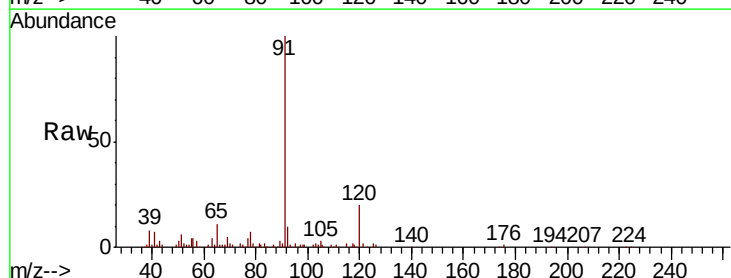
Acq: 15 Apr 2022 3:29

Tgt Ion:120 Resp: 47974

Ion Ratio Lower Upper

120 100

91 584.0 360.6 540.8#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.55

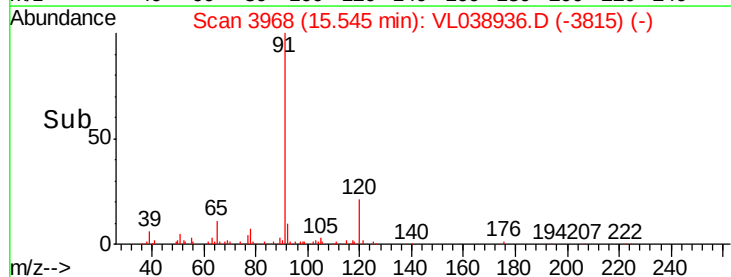
100000

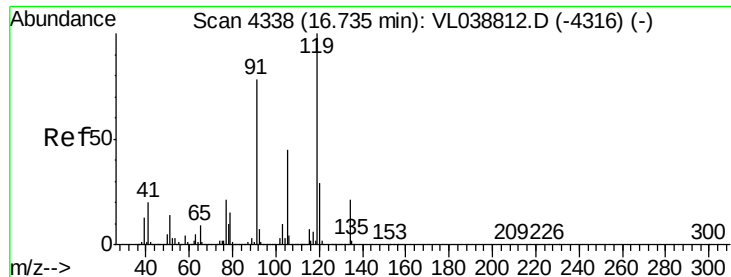
50000

0

Time-->

15.50 15.55 15.60





#65

tert-Butylbenzene

Concen: 0.245 ppbv

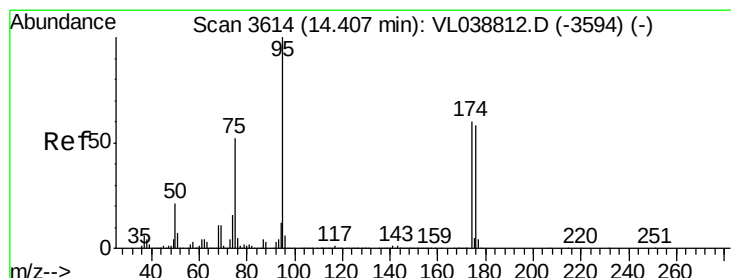
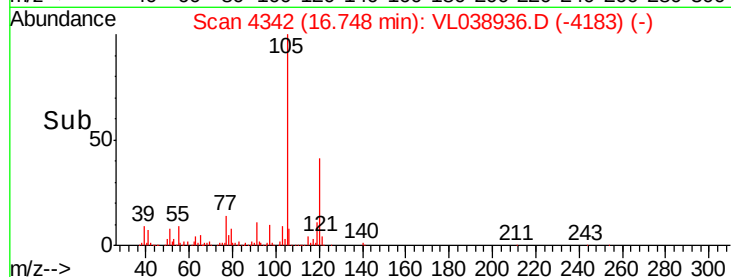
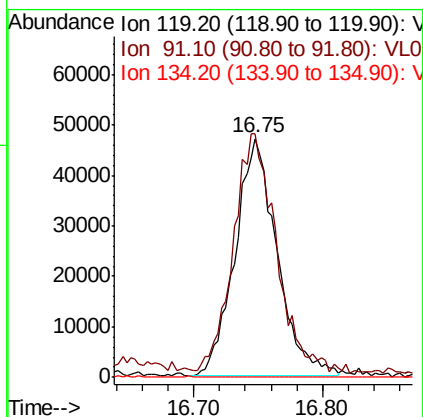
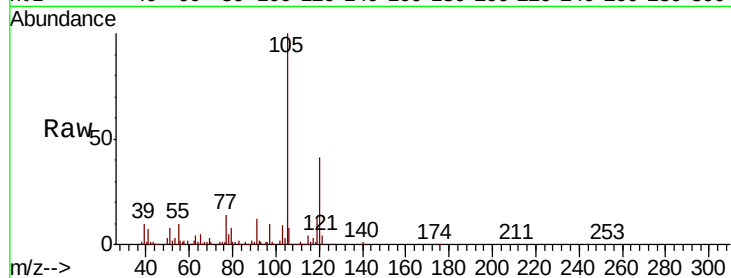
RT: 16.75

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 3:29

Tot Ion	Ratio	Lower	Upper
119	100		
91	110.9	62.8	94.2#
134	0.0	16.2	24.4#



#68

1-Bromo-4-Fluorobenzene

Concen: 10.368 ppbv

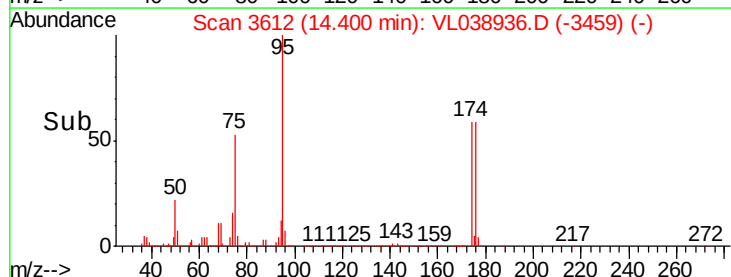
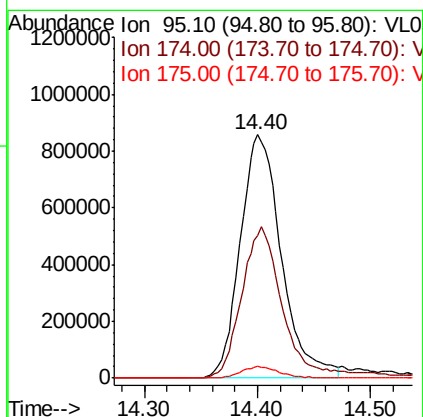
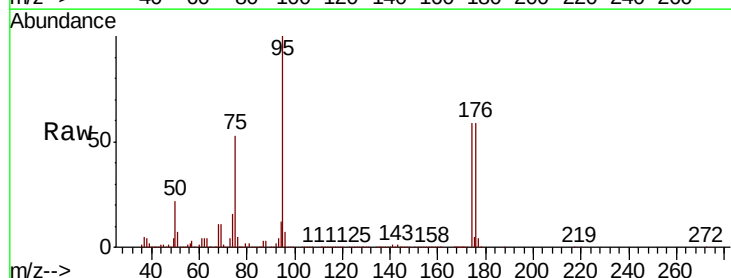
RT: 14.40 min Scan# 3612

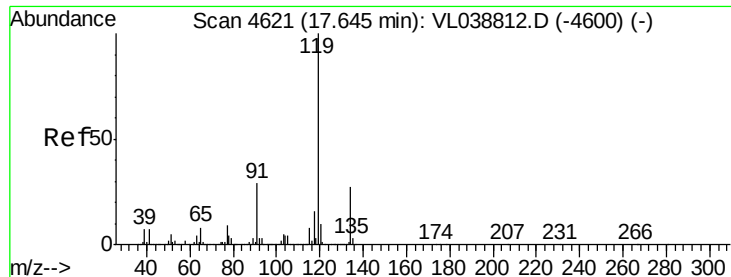
Delta R.T. -0.01 min

Lab File: VL038936.D

Acq: 15 Apr 2022 3:29

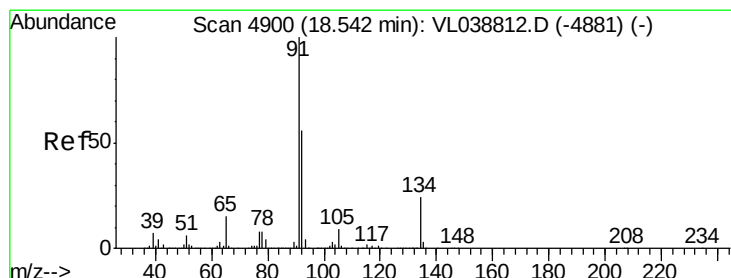
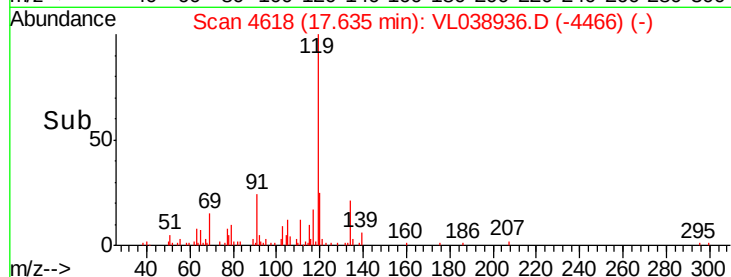
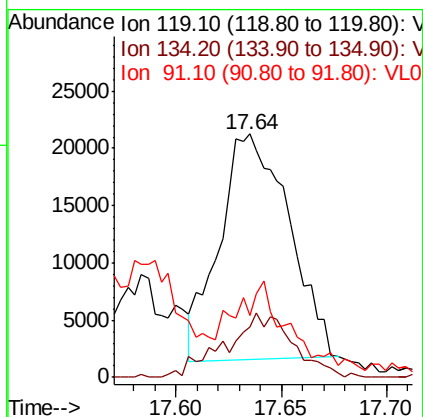
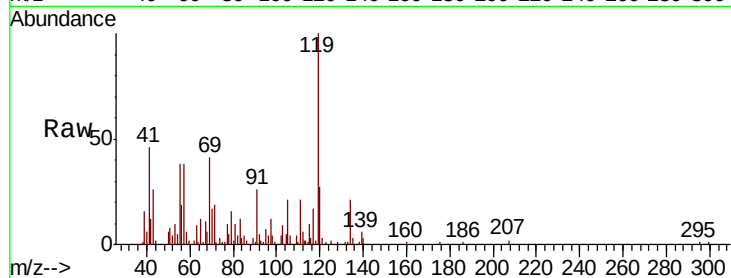
Tgt Ion	Ratio	Lower	Upper
95	100		
174	63.8	52.0	78.0
175	4.8	4.0	6.0





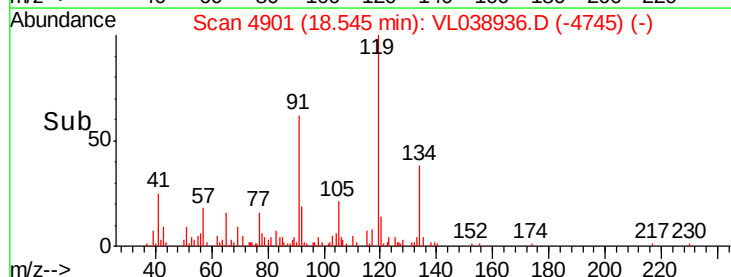
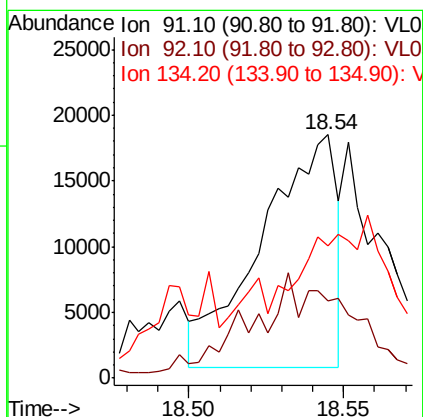
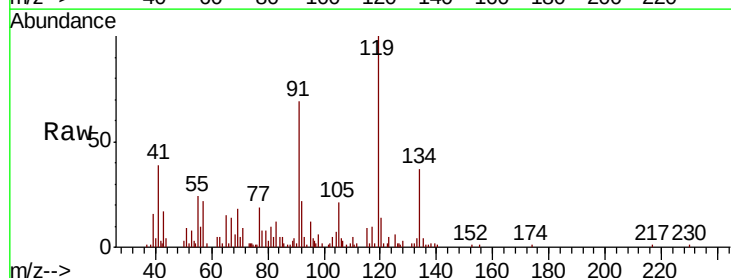
#69
 p-Isopropyltoluene
 Concen: 0.091 ppbv
 RT: 17.64 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

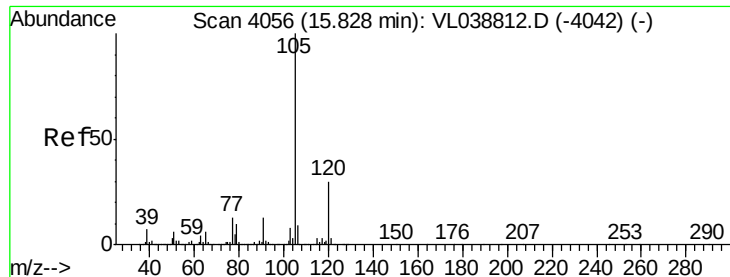
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	20.8	31.2
91	36.5	22.6	34.0



#70
 n-Butylbenzene
 Concen: 0.060 ppbv
 RT: 18.54 min Scan# 4901
 Delta R.T. 0.00 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

Tgt Ion	Ratio	Lower	Upper
91	100		
92	68.8	44.6	66.8
134	0.0	19.2	28.8





#72

4-Ethyltoluene

Concen: 1.013 ppbv

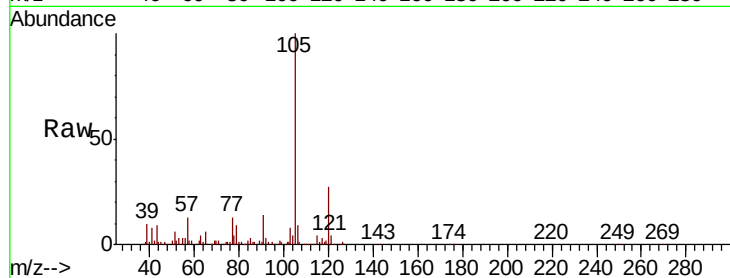
RT: 15.82

Delta R.T. MSVOA_L

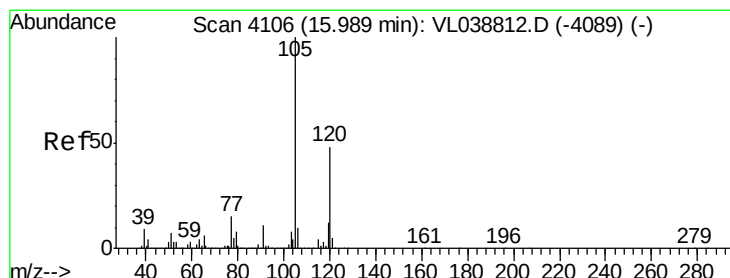
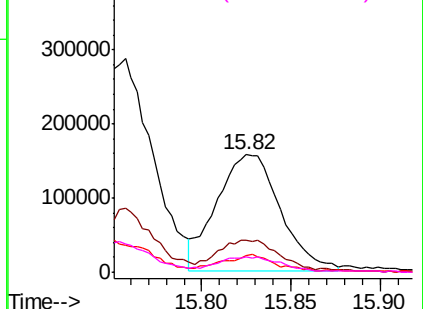
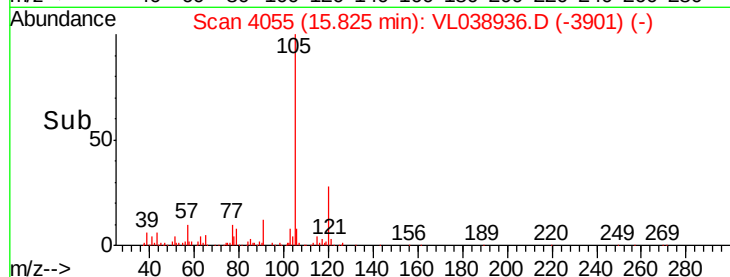
Lab File: ClientSampleId:

Acq: 15 Apr 2022 3:29

Tot Ion:	105	Resp:	392602
Ion	Ratio	Lower	Upper
105	100		
120	29.1	24.3	36.5
91	13.4	9.4	14.2
77	13.4	10.6	15.8



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



#73

1,3,5-Trimethylbenzene

Concen: 0.721 ppbv

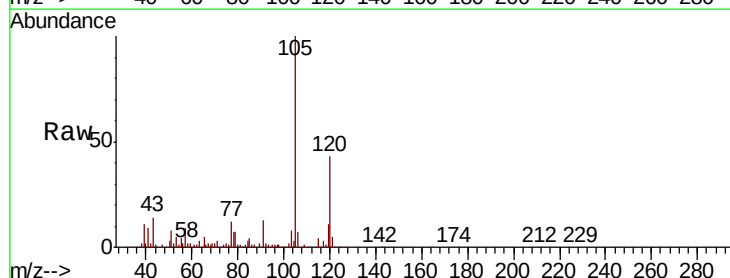
RT: 15.98 min Scan# 4104

Delta R.T. -0.01 min

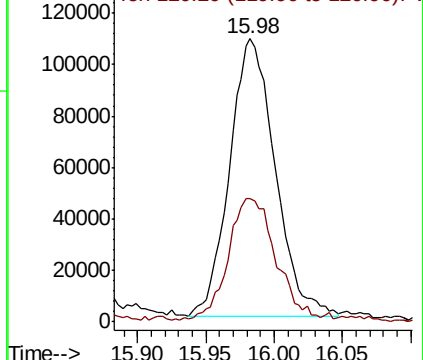
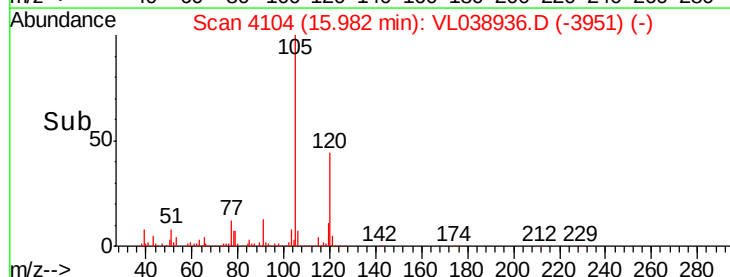
Lab File: VL038936.D

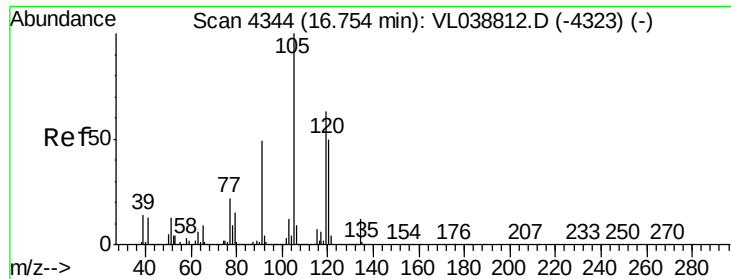
Acq: 15 Apr 2022 3:29

Tgt Ion:	105	Resp:	250880
Ion	Ratio	Lower	Upper
105	100		
120	43.0	38.7	58.1



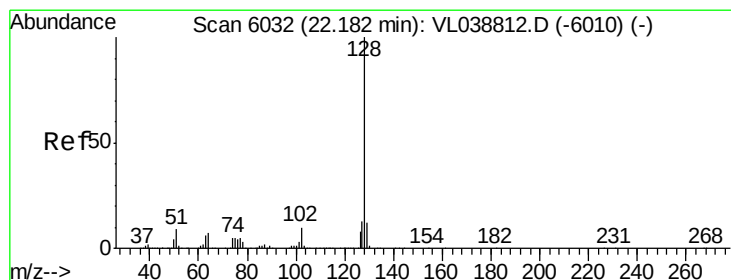
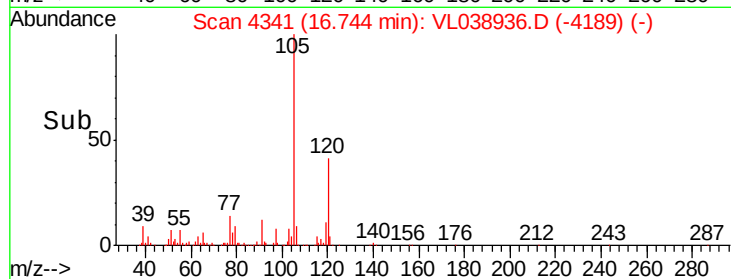
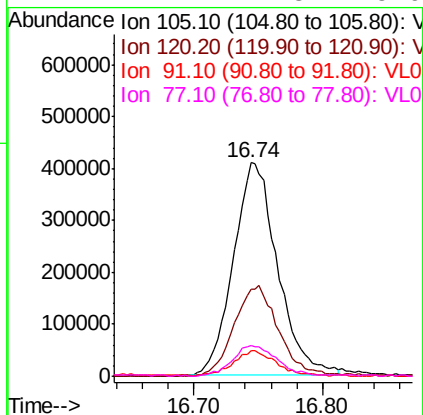
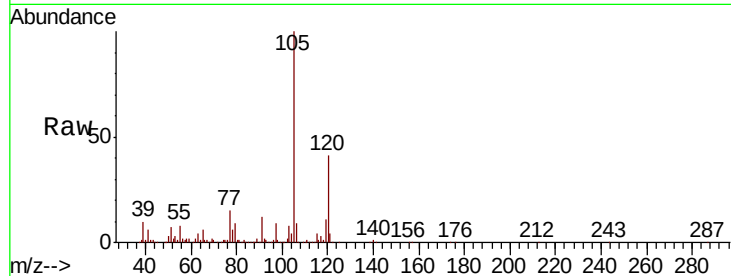
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





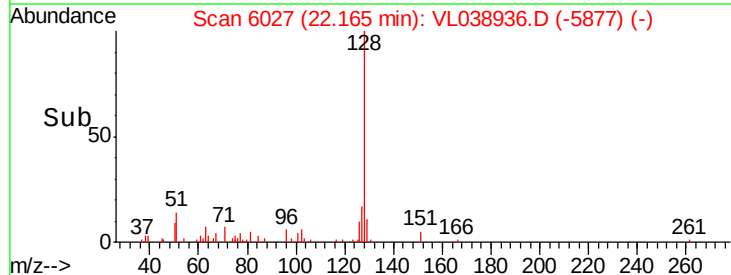
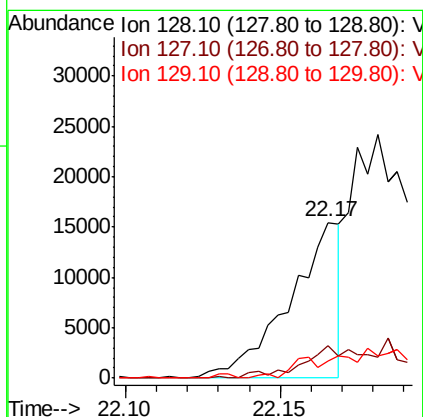
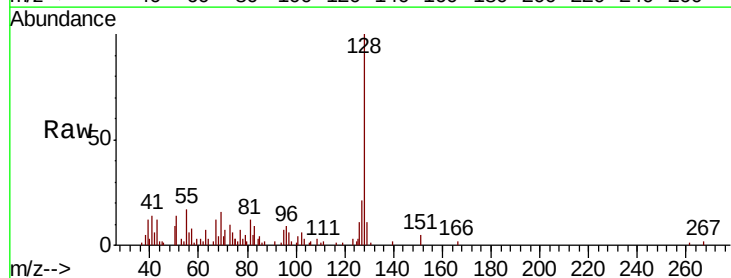
#74
 1,2,4-Trimethylbenzene
 Concen: 2.662 ppbv
 RT: 16.74 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId : 1161-8.01-A-1
 Acq: 15 Apr 2022 3:29

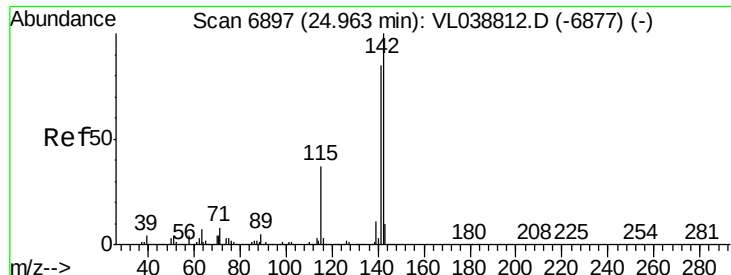
Tot Ion:	105	Resp:	979129
Ion Ratio	Lower	Upper	
105	100		
120	40.8	39.8	59.8
91	11.4	39.4	59.0#
77	14.4	17.3	25.9#



#79
 Naphthalene
 Concen: 0.065 ppbv
 RT: 22.17 min Scan# 6027
 Delta R.T. -0.02 min
 Lab File: VL038936.D
 Acq: 15 Apr 2022 3:29

Tgt Ion:	128	Resp:	17850
Ion Ratio	Lower	Upper	
128	100		
127	20.8	10.6	15.8#
129	10.8	9.4	14.0





#80

Naphthalene, 2-methyl-

Concen: 0.107 ppbv

RT: 24.96

Delta R.T: MSVOA_L

Lab File: ClientSampleId:

Acq: 15 Apr 2022 3.29

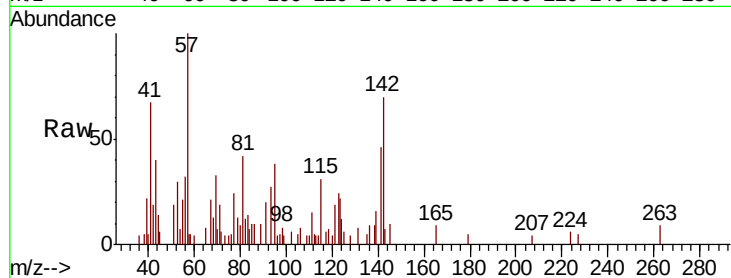
Tot Ion: 142 Resp: 7285

Ion Ratio Lower Upper

142 100

141 104.5 68.8 103.2#

115 69.7 31.6 47.4#



Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

