

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036138.D
 Acq On : 10 Dec 2020 21:37
 Operator : SY/AP
 Sample : L4930-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 04:31:07 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1333104	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2640314	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2395852	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2074433	10.90	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.00%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1369	0.009 ppbv	98
3) Chlorodifluoromethane	2.97	51	3064	0.020 ppbv #	89
4) Chloromethane	3.12	50	1039	0.014 ppbv #	42
5) Vinyl Chloride	3.10	62	113	0.001 ppbv #	10
6) Bromomethane	3.46	94	180	0.004 ppbv #	1
7) Chloroethane	3.54	64	67	0.002 ppbv #	1
8) Dichlorotetrafluoroethane	3.09	85	43	0.000 ppbv	94
9) Propene	3.27	41	457	0.006 ppbv	83
10) Heptane	8.10	43	507	0.003 ppbv #	1
11) Trichlorofluoromethane	3.96	101	721	0.004 ppbv	87
12) 1,1,2-Trichlorotrifluoroet	4.07	101	83	0.001 ppbv #	82
14) Bromoethene	3.72	108	142	0.003 ppbv #	1
15) Acetone	3.85	43	42588m	0.266 ppbv	
16) 1,3-Butadiene	3.32	39	394	0.005 ppbv	84
17) tert-Butyl alcohol	4.25	59	143	0.001 ppbv #	71
18) 1,1-Dichloroethene	4.27	96	75	0.001 ppbv #	16
19) Isopropyl Alcohol	3.97	45	585	0.006 ppbv #	100
20) Methylene Chloride	4.34	84	19308m	0.294 ppbv	
21) Allvl Chloride	4.39	41	367	0.003 ppbv #	18
22) trans-1,2-Dichloroethene	4.87	96	52	0.001 ppbv #	9
23) Vinyl Acetate	5.06	43	1110	0.005 ppbv #	66
24) 1,1-Dichloroethane	5.00	63	182	0.001 ppbv #	88
25) Ethyl Acetate	5.68	43	6197	0.019 ppbv #	89
26) Hexane	5.67	57	3901	0.027 ppbv #	1
27) Carbon Disulfide	4.55	76	126	0.001 ppbv #	1
28) Methyl tert-Butyl Ether	5.04	73	414	0.002 ppbv #	51
29) Chloroform	5.73	83	964	0.005 ppbv #	18
30) Cyclohexane	7.10	84	193	0.002 ppbv #	1
31) cis-1,2-Dichloroethene	5.53	61	281	0.002 ppbv #	42
32) 1,1,1-Trichloroethane	6.49	97	285	0.001 ppbv #	1
34) 2-Butanone	5.22	43	768	0.004 ppbv #	56
35) Carbon Tetrachloride	7.00	117	100	0.001 ppbv #	1
36) Benzene	6.86	78	1699	0.008 ppbv #	52
37) 1,2-Dichloroethane	6.30	62	676	0.005 ppbv #	83
38) Trichloroethene	7.81	130	332	0.004 ppbv #	1
40) 1,4-Dioxane	7.81	88	158	0.006 ppbv #	1
41) Tetrahydrofuran	6.03	42	37	0.000 ppbv #	40
42) Bromodichloromethane	7.77	83	289	0.002 ppbv #	25
43) Methyl Methacrylate	8.01	69	32	0.000 ppbv #	1
44) 2,2,4-Trimethylpentane	7.84	57	709	0.002 ppbv #	1
45) t-1,3-Dichloropropene	9.26	75	102	0.001 ppbv #	42

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020

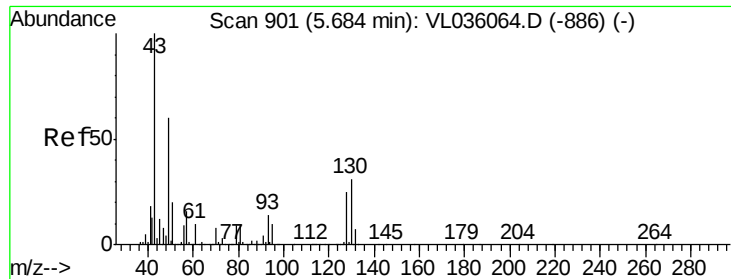
QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

46) cis-1,3-Dichloropropene	8.68	75	52	0.000	ppbv #	1
47) 1,1,2-Trichloroethane	9.46	97	126	0.001	ppbv #	52
48) Dibromochloromethane	10.34	129	73	0.001	ppbv	84
49) Bromoform	13.01	173	139	0.001	ppbv #	49
50) 4-Methyl-2-Pentanone	8.70	43	194	0.001	ppbv #	40
51) 2-Hexanone	10.10	43	218	0.001	ppbv #	29
52) Tetrachloroethene	11.18	164	74	0.001	ppbv #	1
53) Toluene	9.78	91	2784	0.011	ppbv #	21
54) 1,2-Dibromoethane	10.58	107	395	0.003	ppbv #	2
56) 1,1,1,2-Tetrachloroethane	12.12	131	99	0.001	ppbv #	8
57) Chlorobenzene	12.13	112	443	0.003	ppbv #	72
58) Ethyl Benzene	12.69	91	775	0.002	ppbv	91
59) m/p-Xylene	12.97	91	836	0.003	ppbv #	34
60) o-Xylene	13.67	91	879	0.003	ppbv #	33
61) Styrene	13.51	104	346	0.002	ppbv #	1
62) Isopropylbenzene	14.64	105	415	0.001	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.65	83	199	0.001	ppbv #	1
64) n-propylbenzene	15.83	120	77	0.001	ppbv	88
65) tert-Butylbenzene	16.72	119	139	0.000	ppbv #	15
66) Benzyl Chloride	16.99	91	251	0.003	ppbv #	1
67) sec-Butylbenzene	17.28	105	586	0.001	ppbv #	60
69) p-Isopropyltoluene	17.65	119	322	0.001	ppbv #	46
70) n-Butylbenzene	18.52	91	105	0.000	ppbv #	33
71) 2-Chlorotoluene	15.43	91	476	0.002	ppbv	81
72) 4-Ethyltoluene	15.82	105	245	0.001	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.99	105	783	0.003	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.74	105	577	0.002	ppbv #	39
75) 1,3-Dichlorobenzene	16.96	146	662	0.005	ppbv #	1
76) 1,4-Dichlorobenzene	17.12	146	366	0.003	ppbv #	22
77) 1,2-Dichlorobenzene	17.81	146	166	0.001	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.35	225	150	0.001	ppbv #	21
79) Naphthalene	22.21	128	98	0.001	ppbv #	67
80) Naphthalene,2-methyl-	24.95	142	34	0.001	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.91	180	133	0.001	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

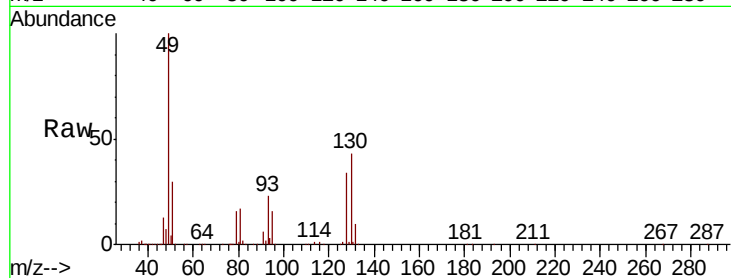
Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion: 49 Resp: 1333104

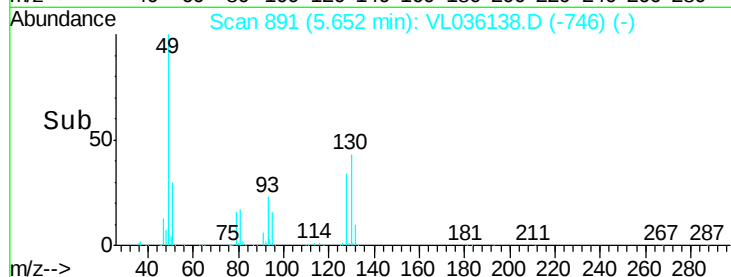
Ion	Ratio	Lower	Upper
49	100		
128	35.9	21.1	63.1
130	45.3	27.1	81.3



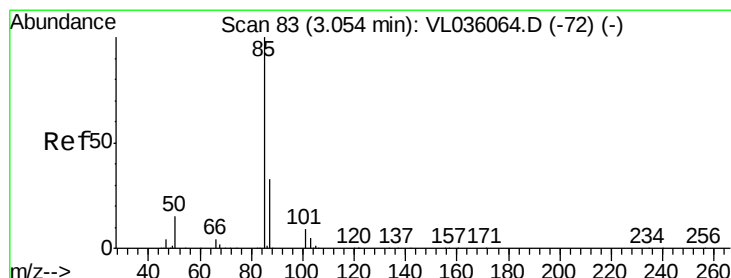
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time--> 5.55 5.60 5.65 5.70 5.75



#2

Dichlorodifluoromethane

Concen: 0.009 ppbv

RT: 3.03 min Scan# 75

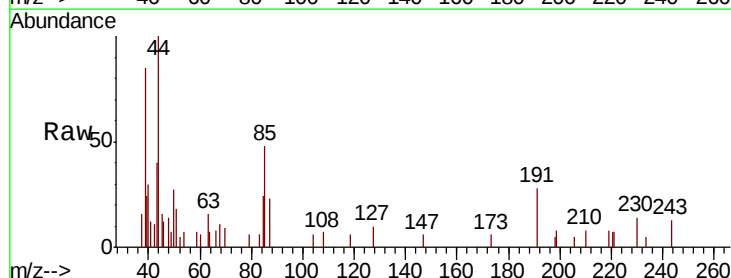
Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

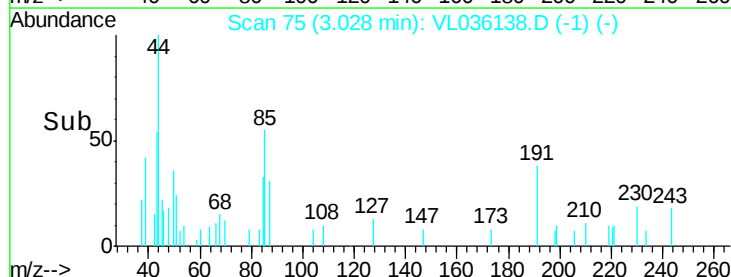
Tgt Ion: 85 Resp: 1369

Ion	Ratio	Lower	Upper
85	100		
87	32.0	26.5	39.7

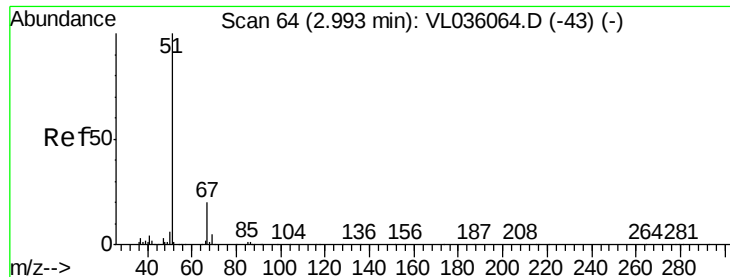


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time--> 3.01 3.02 3.03



#3

Chlorodifluoromethane

Concen: 0.020 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036138.D

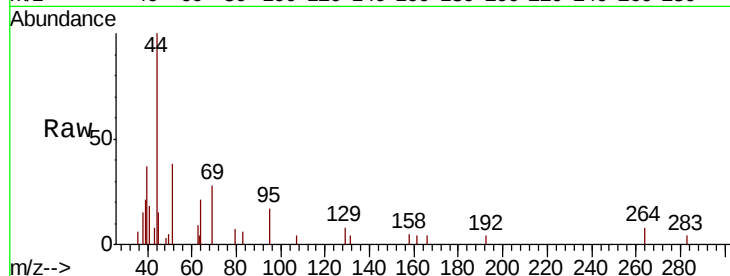
Acq: 10 Dec 2020 21:37

Tot Ion: 51 Resp: 3064

Ion Ratio Lower Upper

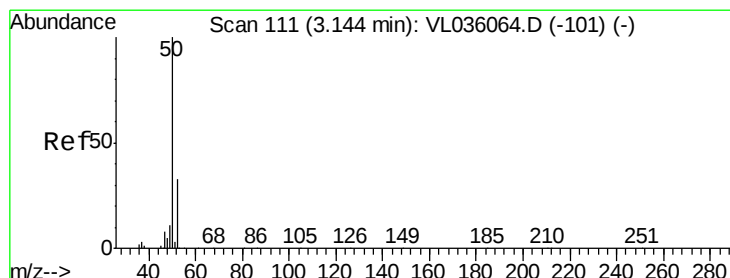
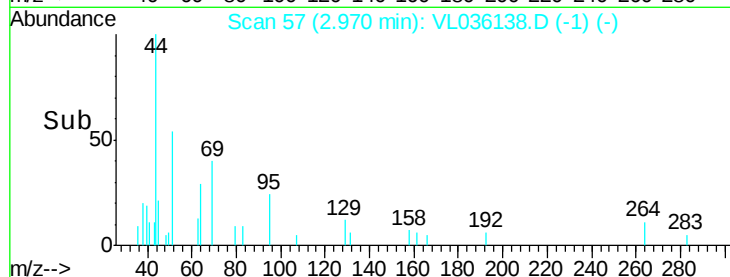
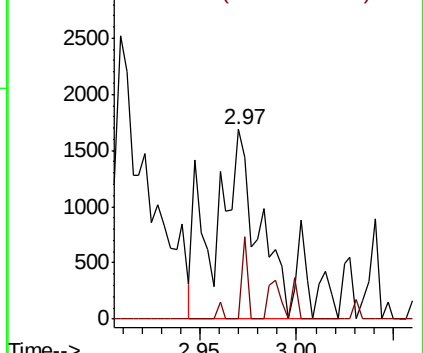
51 100

67 13.0 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.014 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036138.D

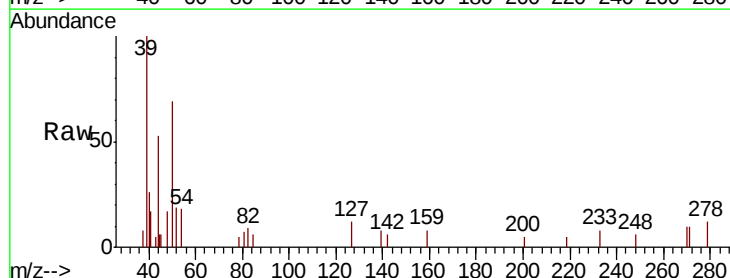
Acq: 10 Dec 2020 21:37

Tgt Ion: 50 Resp: 1039

Ion Ratio Lower Upper

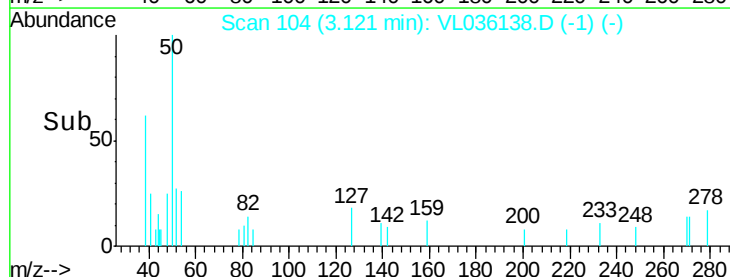
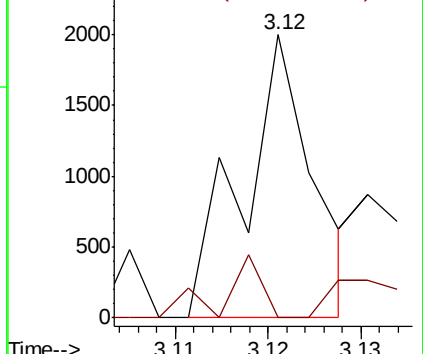
50 100

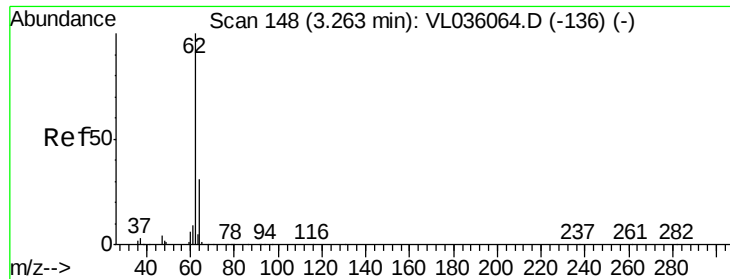
52 0.0 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.001 ppbv

RT: 3.10 min Scan# 96

Delta R.T. -0.17 min

Lab File: VL036138.D

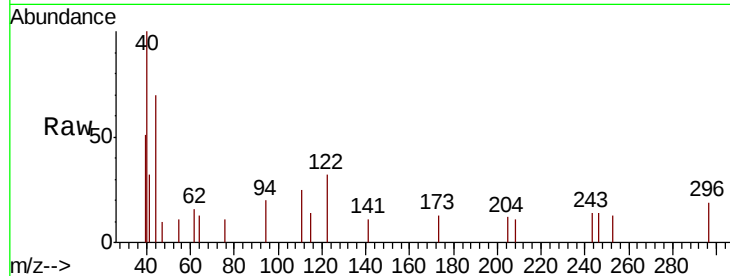
Acq: 10 Dec 2020 21:37

Tot Ion: 62 Resp: 113

Ion Ratio Lower Upper

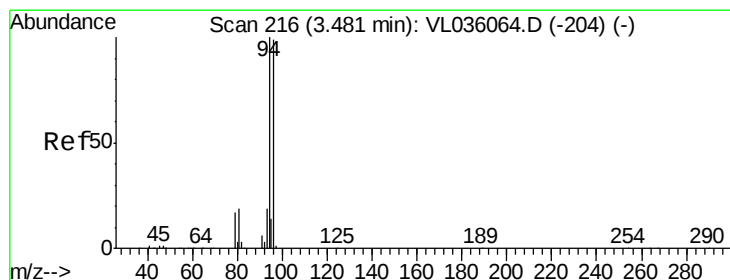
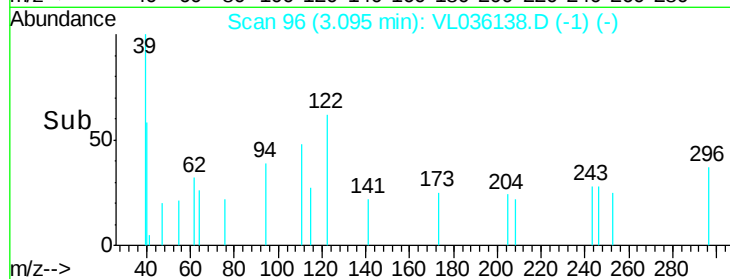
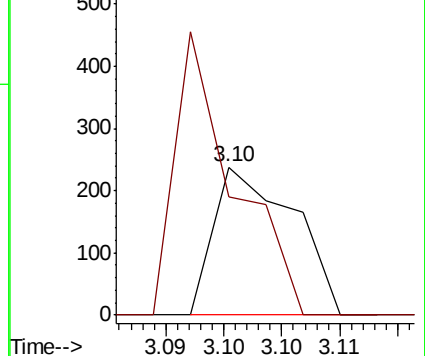
62 100

64 79.8 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.004 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.03 min

Lab File: VL036138.D

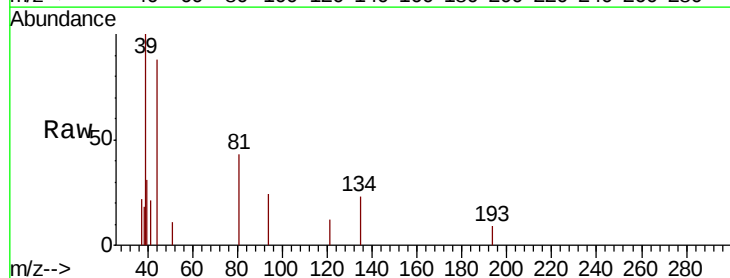
Acq: 10 Dec 2020 21:37

Tgt Ion: 94 Resp: 180

Ion Ratio Lower Upper

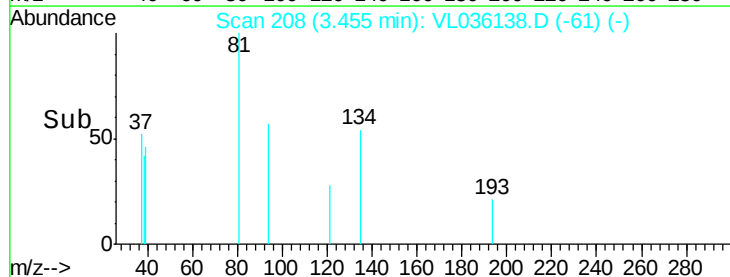
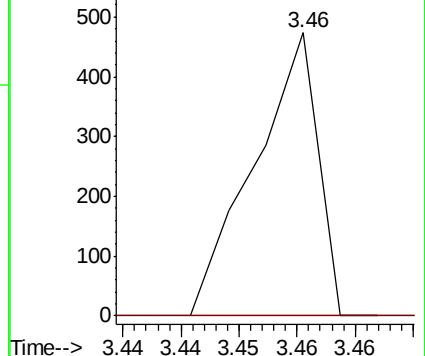
94 100

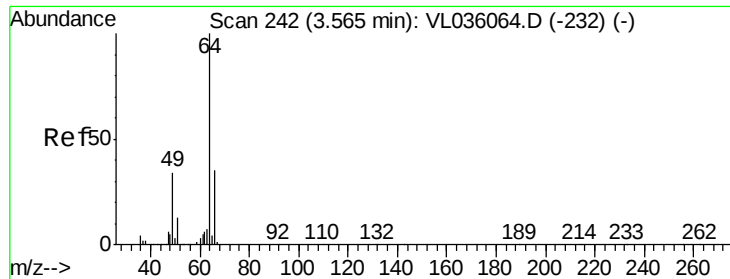
96 0.0 79.4 119.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.002 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.03 min

Lab File: VL036138.D

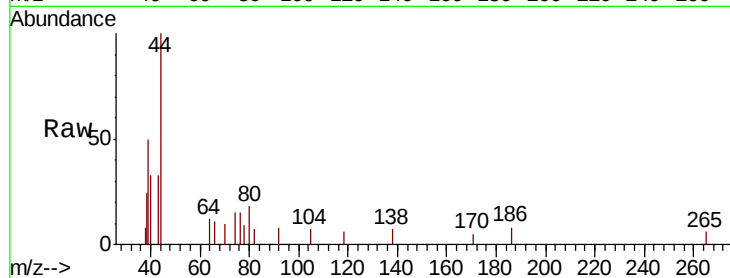
Acq: 10 Dec 2020 21:37

Tot Ion: 64 Resp: 67

Ion Ratio Lower Upper

64 100

66 91.7 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

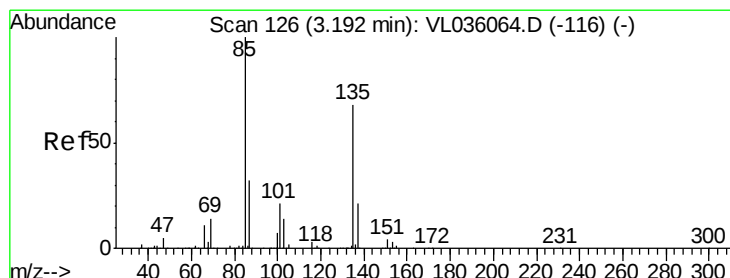
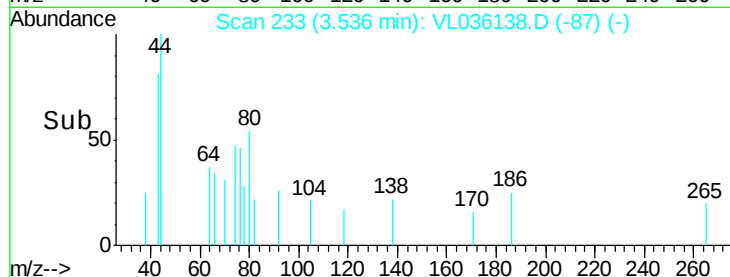
300

200

100

0

Time--> 3.53 3.54 3.54



#8

Dichlorotetrafluoroethane

Concen: 0.000 ppbv

RT: 3.09 min Scan# 94

Delta R.T. -0.10 min

Lab File: VL036138.D

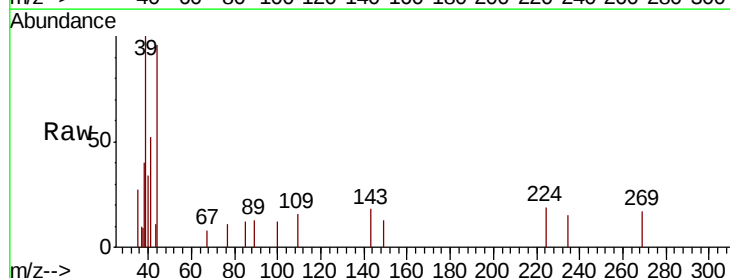
Acq: 10 Dec 2020 21:37

Tgt Ion: 85 Resp: 43

Ion Ratio Lower Upper

85 100

135 72.1 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

600

500

400

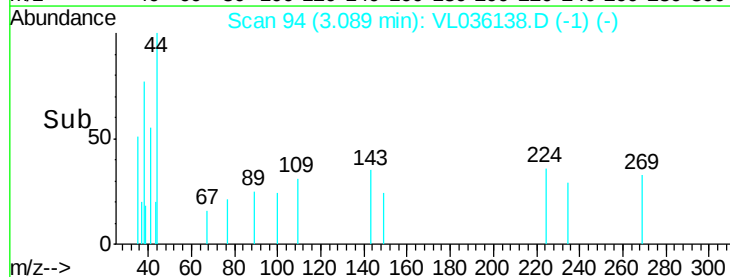
300

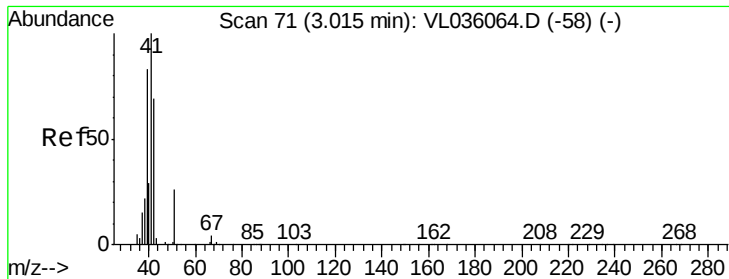
200

100

0

Time--> 3.09 3.09 3.09





#9

Propene

Concen: 0.006 ppbv

RT: 3.27 min Scan# 150

Delta R.T. 0.25 min

Lab File: VL036138.D

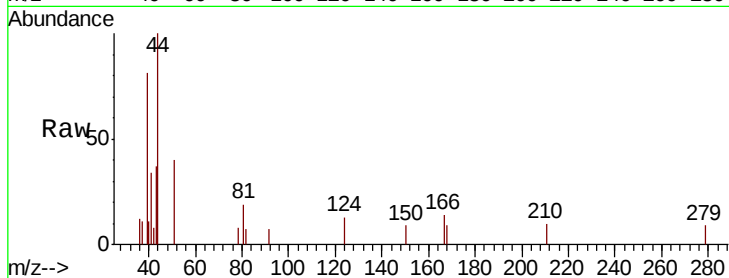
Acq: 10 Dec 2020 21:37

Tot Ion: 41 Resp: 457

Ion Ratio Lower Upper

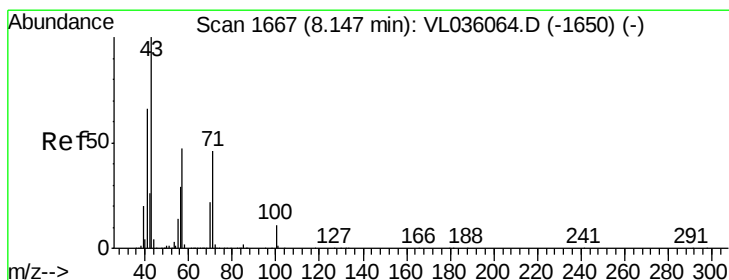
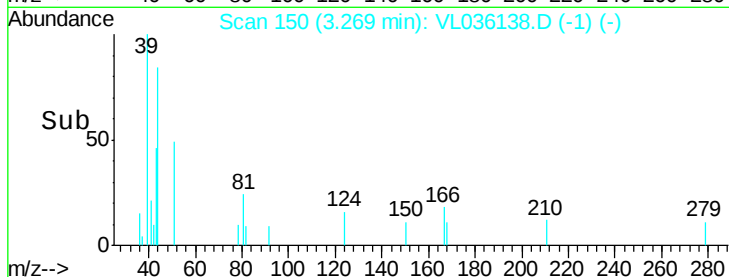
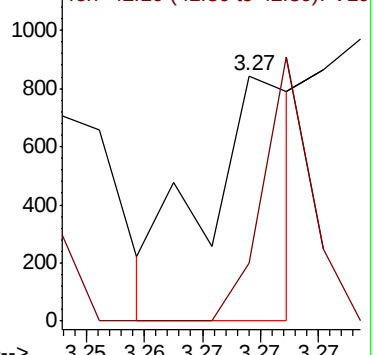
41 100

42 57.3 57.0 85.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.003 ppbv

RT: 8.10 min Scan# 1652

Delta R.T. -0.05 min

Lab File: VL036138.D

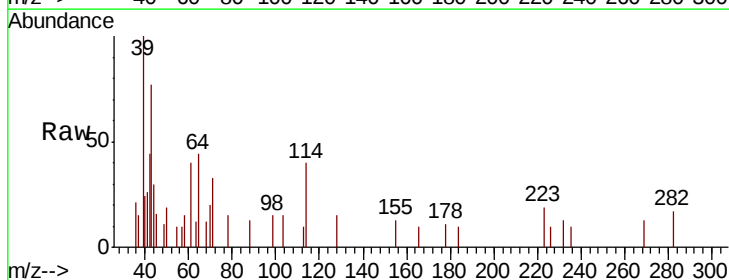
Acq: 10 Dec 2020 21:37

Tgt Ion: 43 Resp: 507

Ion Ratio Lower Upper

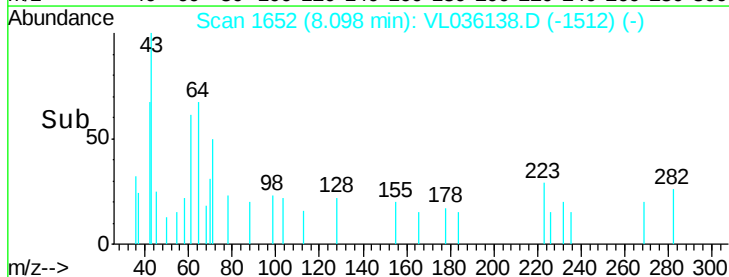
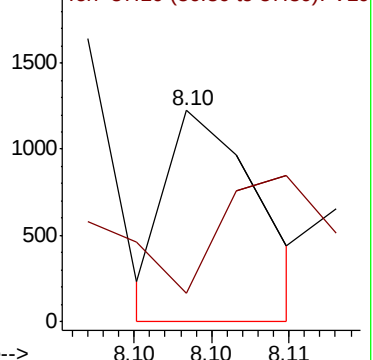
43 100

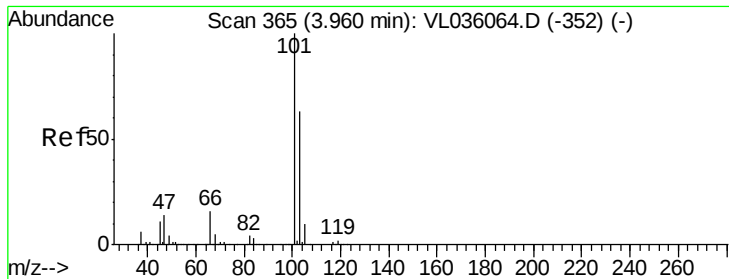
57 215.6 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

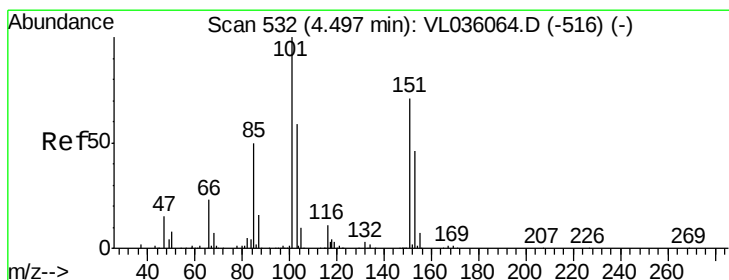
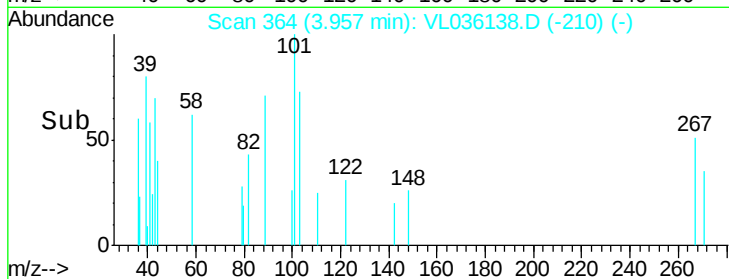
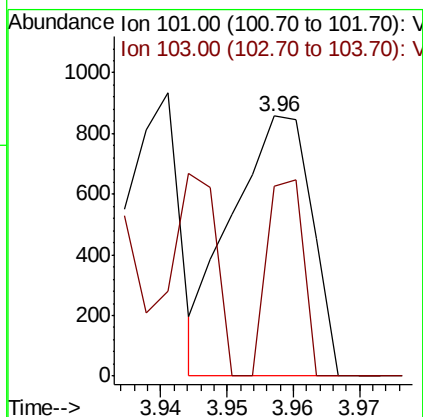
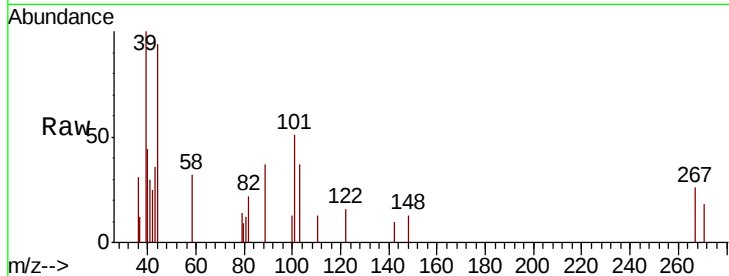
Ion 57.10 (56.80 to 57.80): VL0





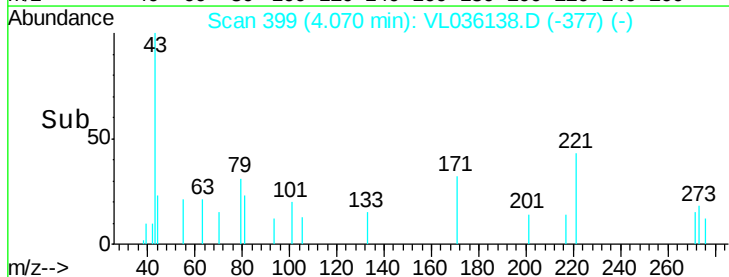
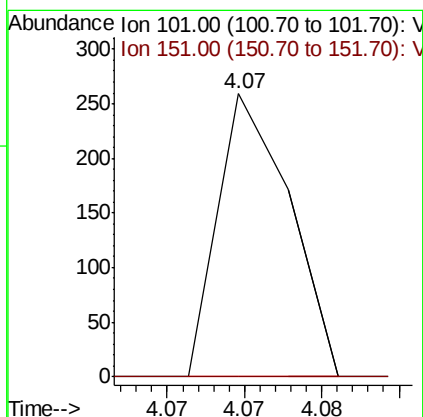
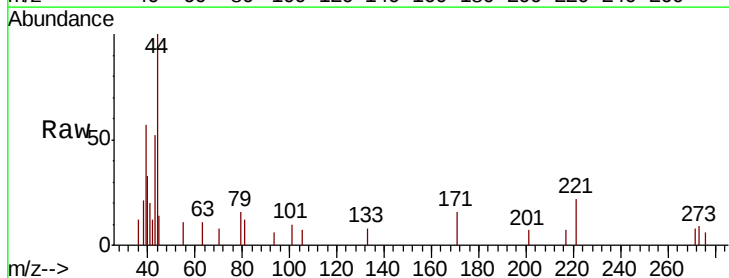
#11
 Trichlorofluoromethane
 Concen: 0.004 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. -0.00 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

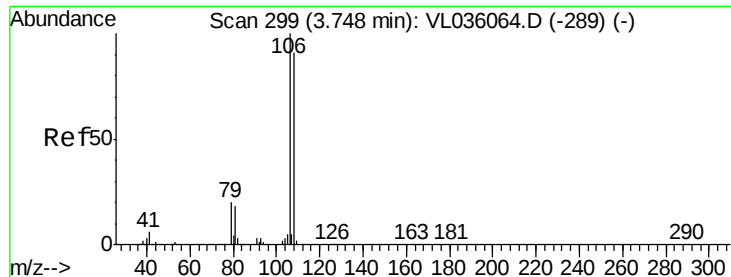
Tot Ion:101 Resp: 721
 Ion Ratio Lower Upper
 101 100
 103 73.3 50.3 75.5



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.001 ppbv
 RT: 4.07 min Scan# 399
 Delta R.T. -0.43 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tgt Ion:101 Resp: 83
 Ion Ratio Lower Upper
 101 100
 151 59.0 59.3 88.9#





#14

Bromoethene

Concen: 0.003 ppbv

RT: 3.72 min Scan# 291

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

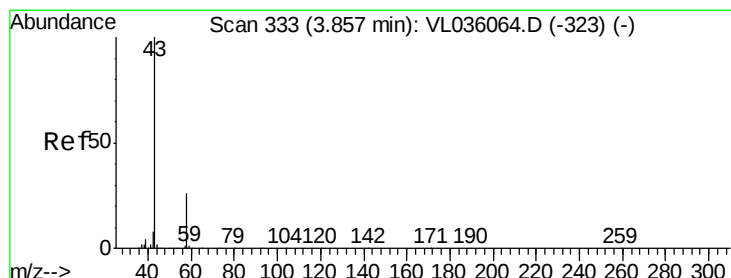
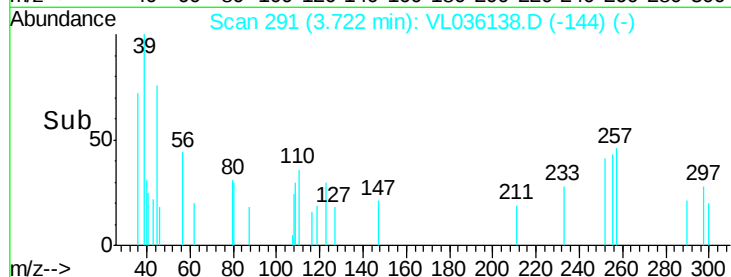
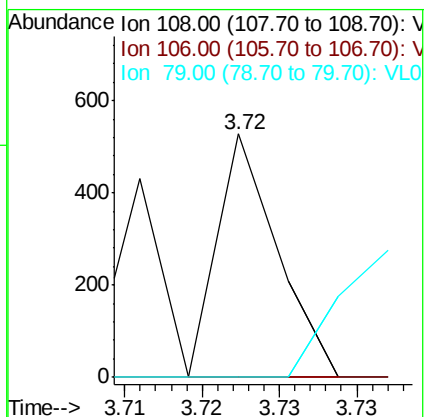
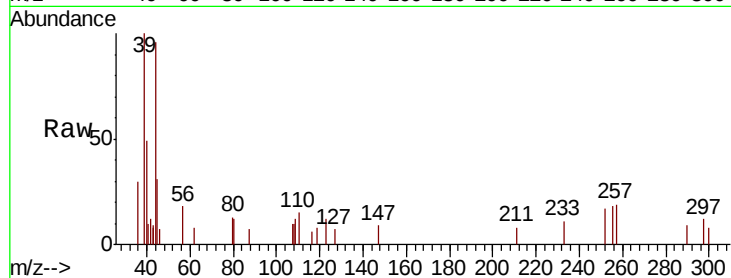
Tot Ion: 108 Resp: 142

Ion Ratio Lower Upper

108 100

106 0.0 91.0 136.4#

79 122.5 19.3 28.9#



#15

Acetone

Concen: 0.266 ppbv m

RT: 3.85 min Scan# 332

Delta R.T. -0.00 min

Lab File: VL036138.D

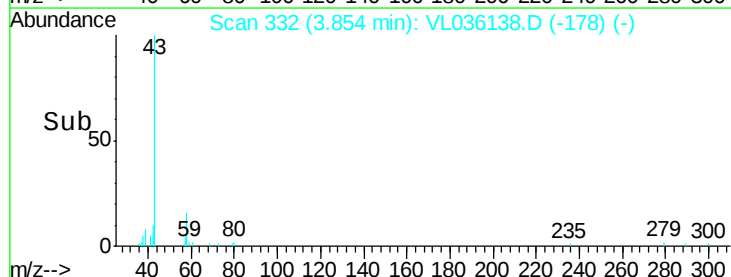
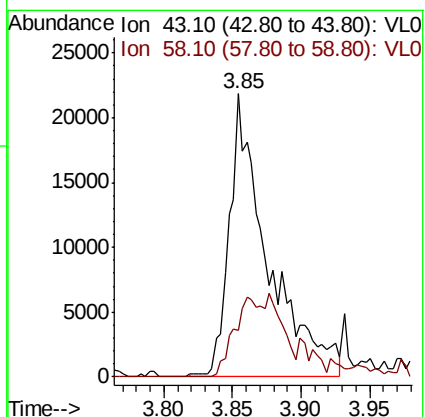
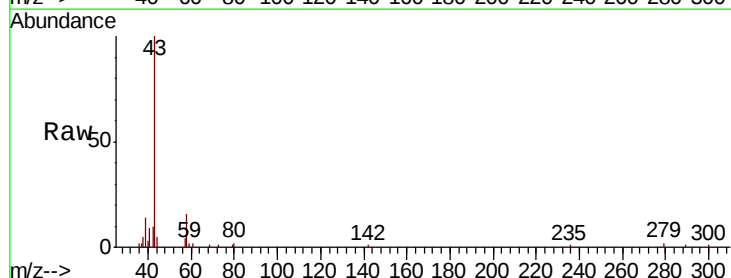
Acq: 10 Dec 2020 21:37

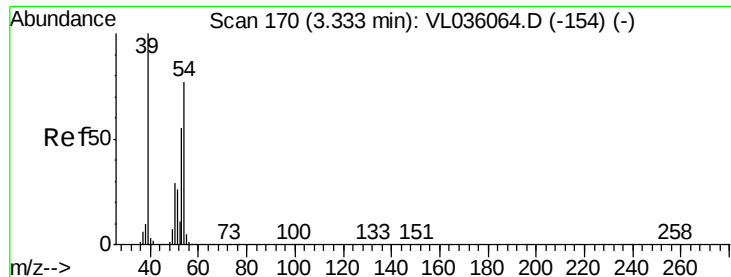
Tgt Ion: 43 Resp: 42588

Ion Ratio Lower Upper

43 100

58 0.0 20.9 31.3#





#16

1,3-Butadiene

Concen: 0.005 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL036138.D

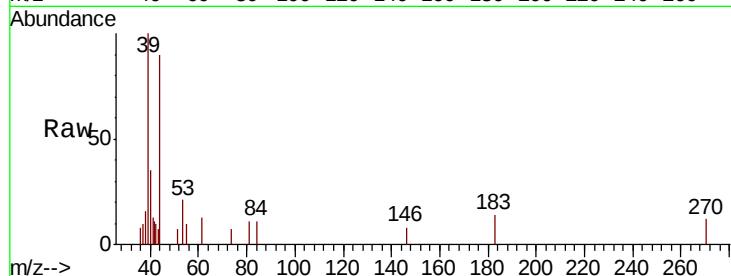
Acq: 10 Dec 2020 21:37

Tot Ion: 39 Resp: 394

Ion Ratio Lower Upper

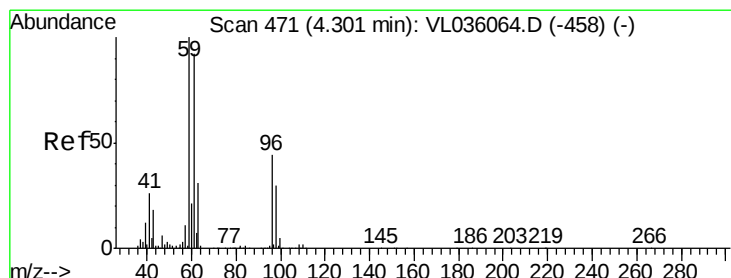
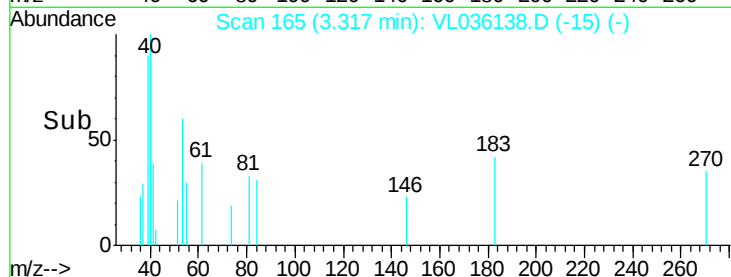
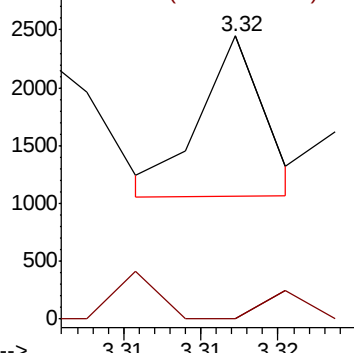
39 100

54 63.5 62.1 93.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



#17

tert-Butyl alcohol

Concen: 0.001 ppbv

RT: 4.25 min Scan# 455

Delta R.T. -0.05 min

Lab File: VL036138.D

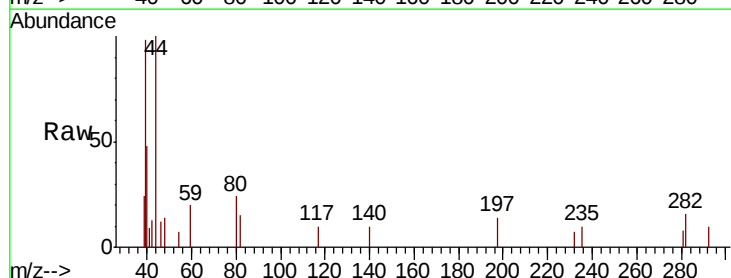
Acq: 10 Dec 2020 21:37

Tgt Ion: 59 Resp: 143

Ion Ratio Lower Upper

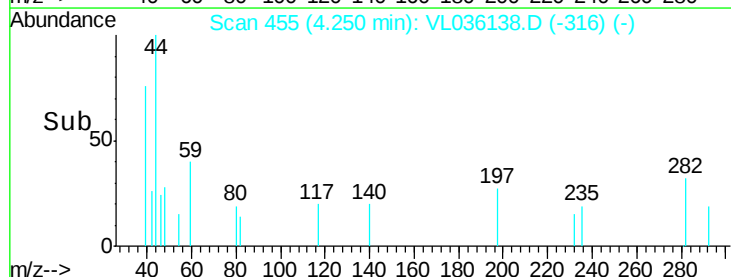
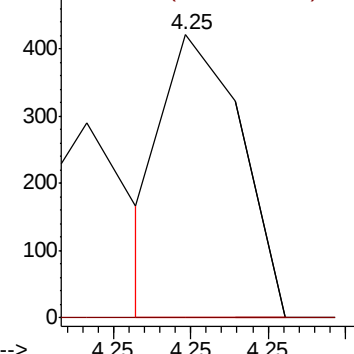
59 100

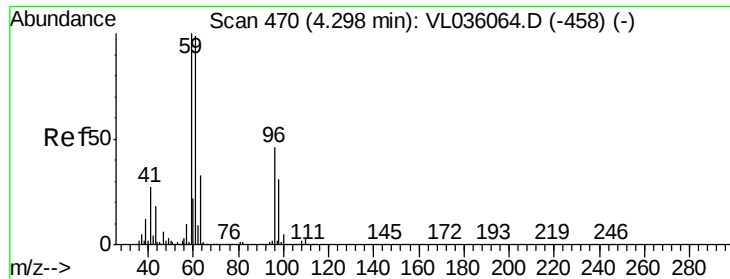
57 0.0 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

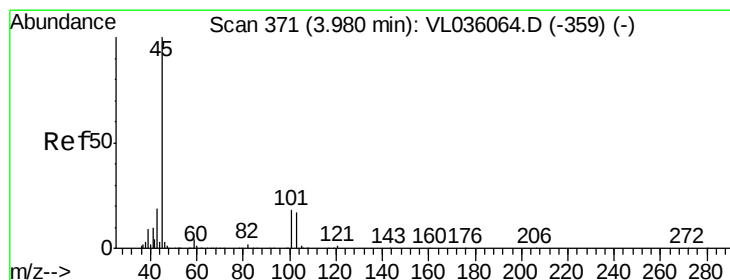
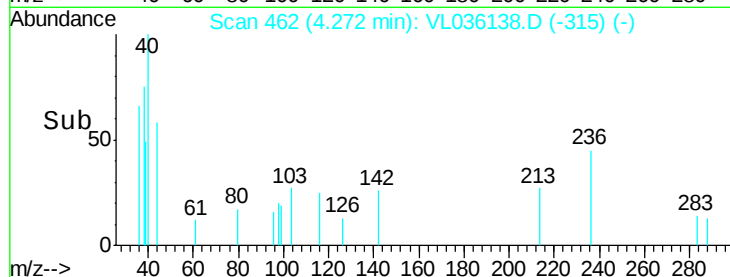
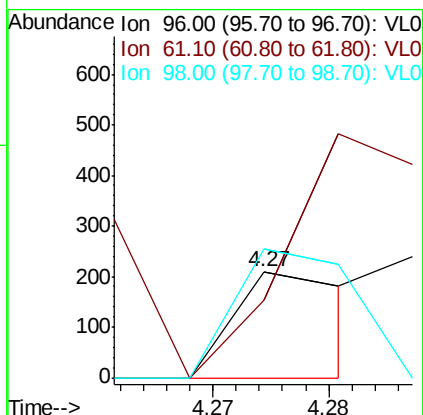
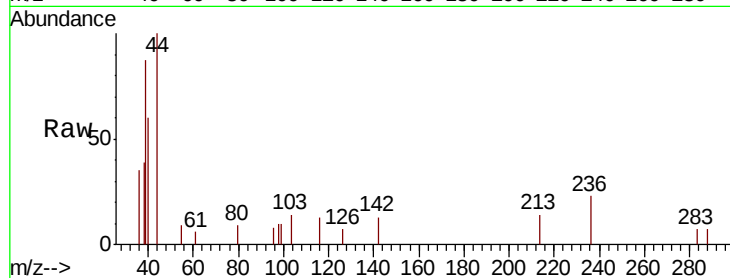
Ion 57.10 (56.80 to 57.80): VL0





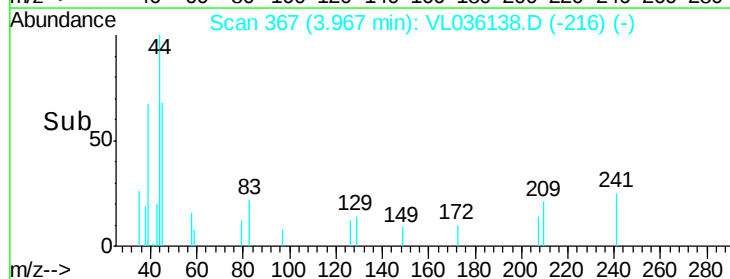
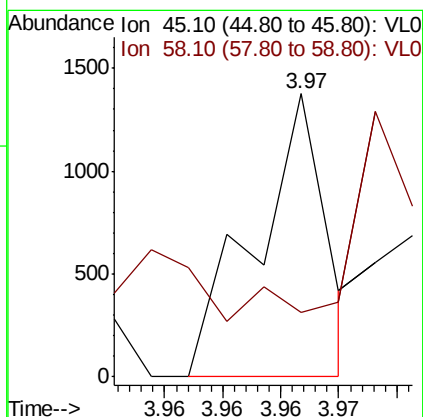
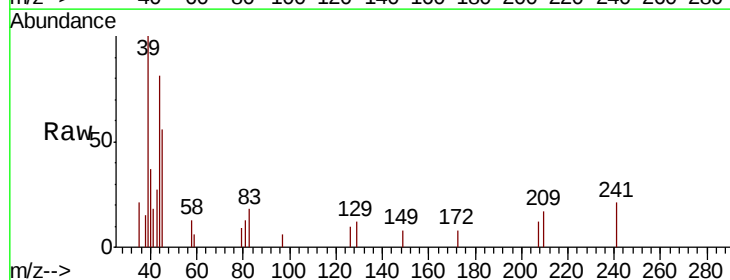
#18
 1,1-Dichloroethene
 Concen: 0.001 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.03 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

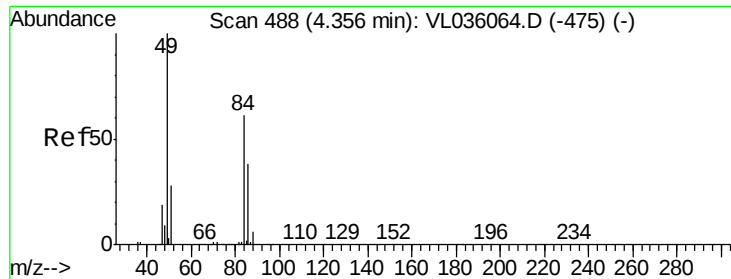
Tot Ion: 96 Resp: 75
 Ion Ratio Lower Upper
 96 100
 61 72.9 171.4 257.2#
 98 121.0 54.2 81.2#



#19
 Isopropyl Alcohol
 Concen: 0.006 ppbv
 RT: 3.97 min Scan# 367
 Delta R.T. -0.01 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

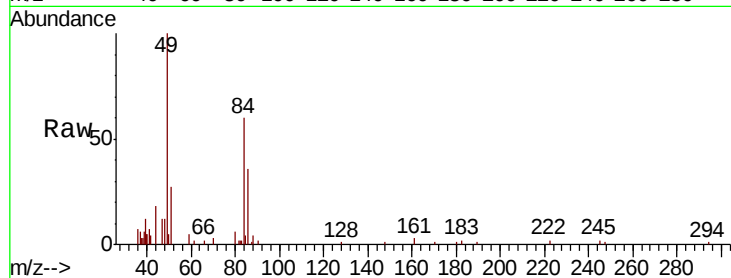
Tgt Ion: 45 Resp: 585
 Ion Ratio Lower Upper
 45 100
 58 0.0 0.0 0.0



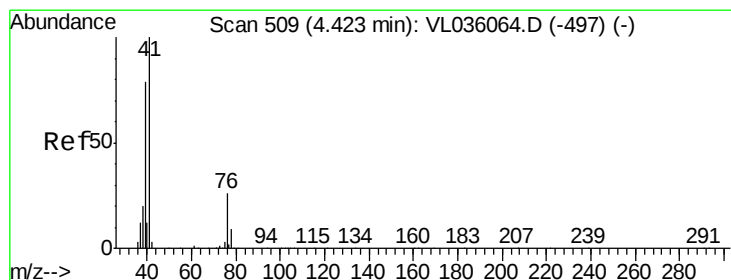
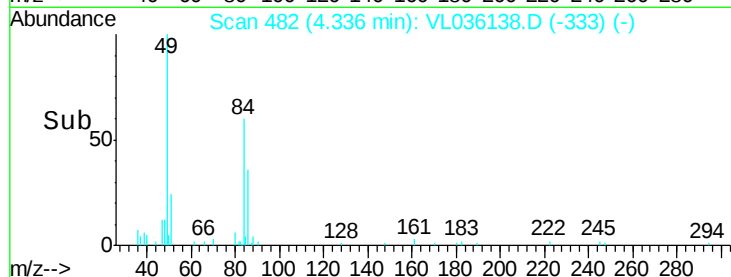
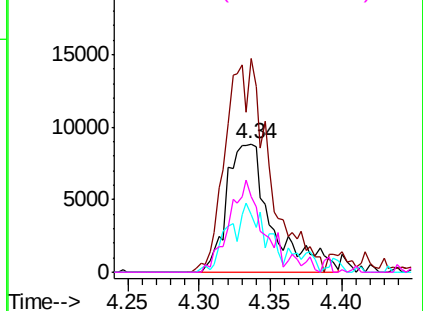


#20
Methvlene Chloride
Concen: 0.294 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tot Ion:	84	Resp:	19308
Ion	Ratio	Lower	Upper
84	100		
49	166.4	133.0	199.4
51	44.6	38.9	58.3
86	59.2	48.8	73.2

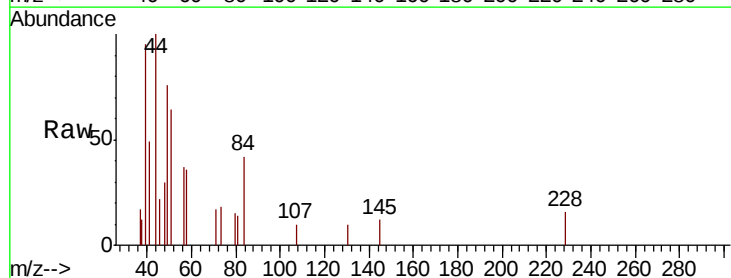


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

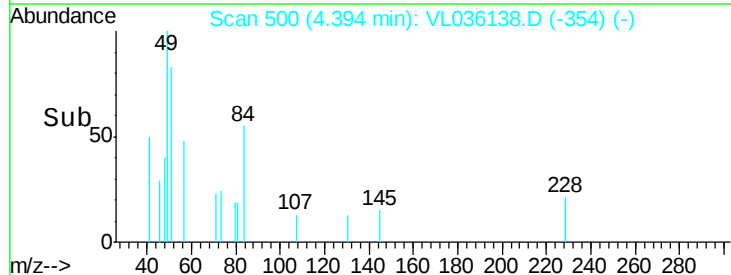
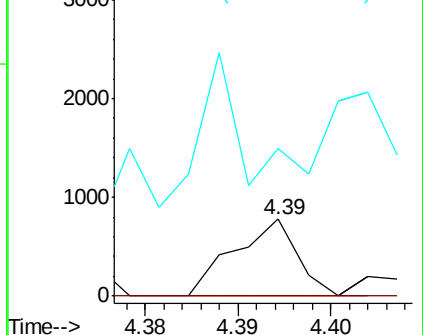


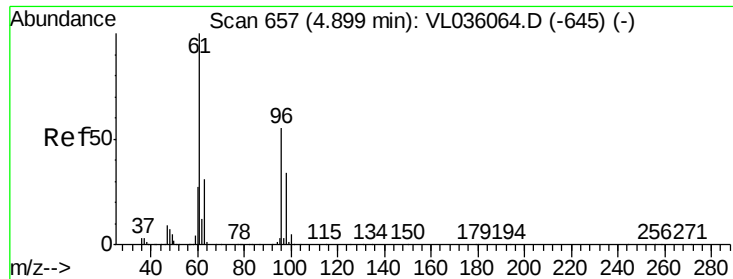
#21
Allyl Chloride
Concen: 0.003 ppbv
RT: 4.39 min Scan# 500
Delta R.T. -0.03 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion:	41	Resp:	367
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	0.0	66.0	99.0#



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





#22

trans-1,2-Dichloroethene

Concen: 0.001 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

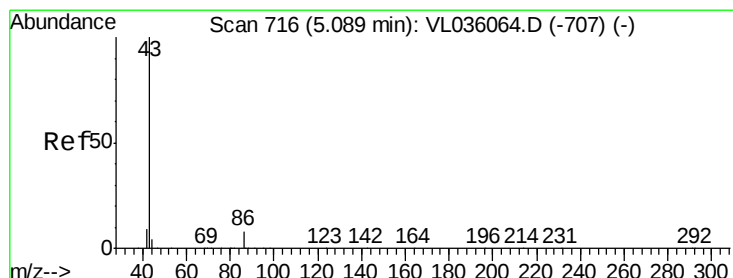
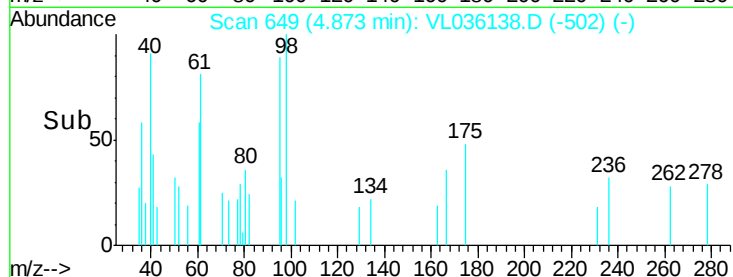
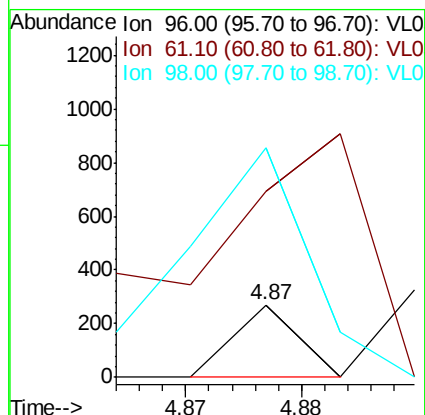
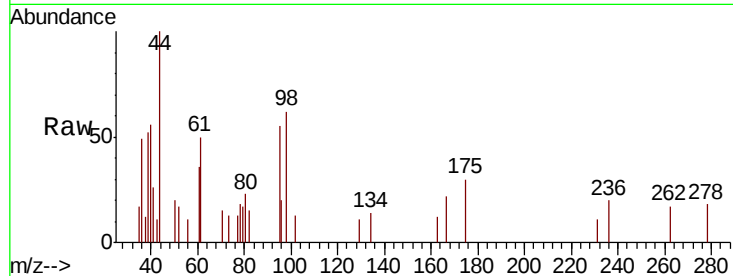
Tot Ion: 96 Resp: 52

Ion Ratio Lower Upper

96 100

61 128.9 145.7 218.5#

98 253.0 49.2 73.8#



#23

Vinyl Acetate

Concen: 0.005 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion: 43 Resp: 1110

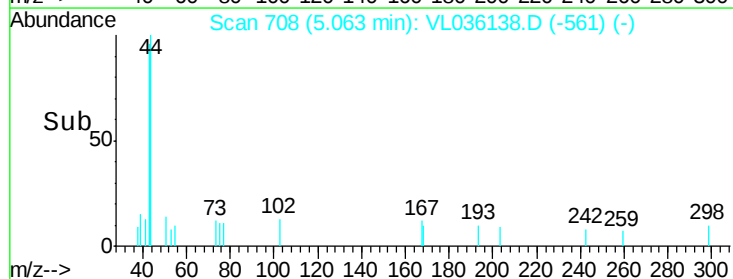
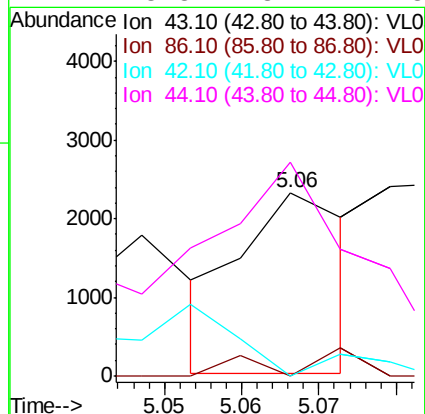
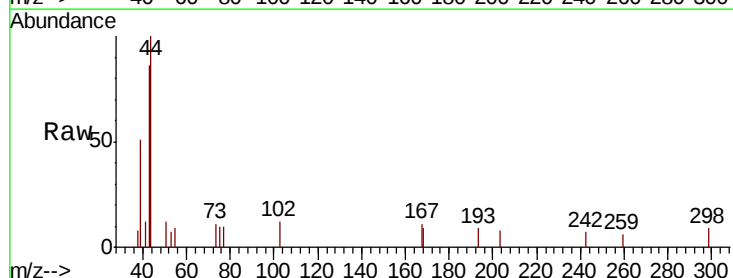
Ion Ratio Lower Upper

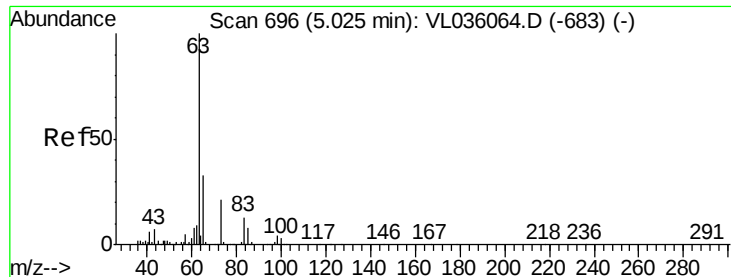
43 100

86 0.0 5.0 7.4#

42 0.0 7.8 11.6#

44 28.8 3.2 4.8#





#24

1,1-Dichloroethane

Concen: 0.001 ppbv

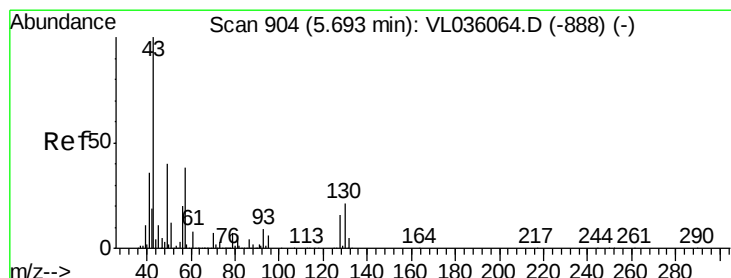
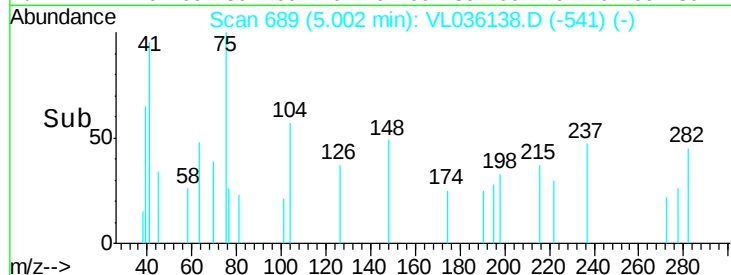
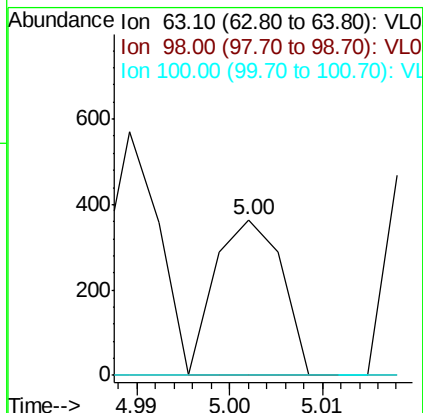
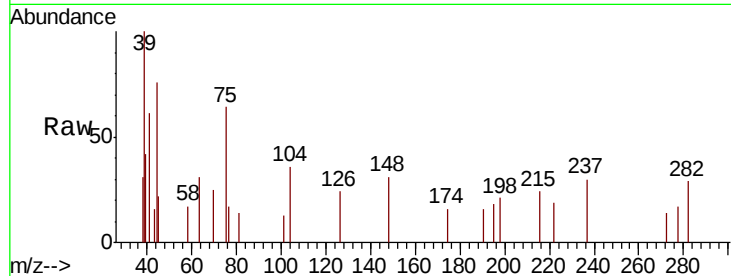
RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion:	63	Resp:	182
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.019 ppbv

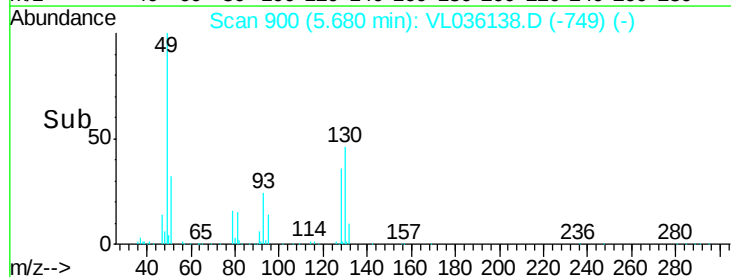
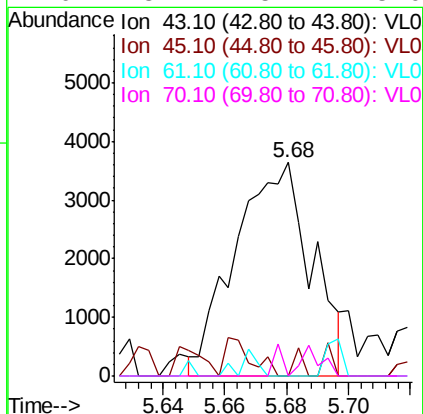
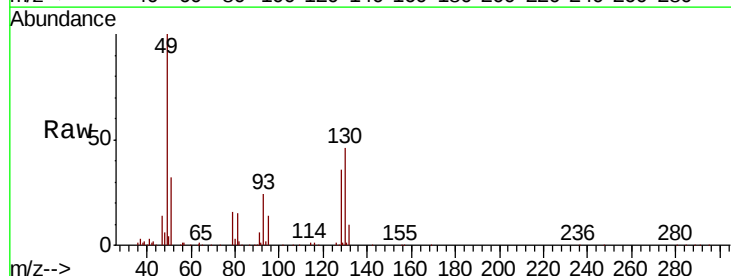
RT: 5.68 min Scan# 900

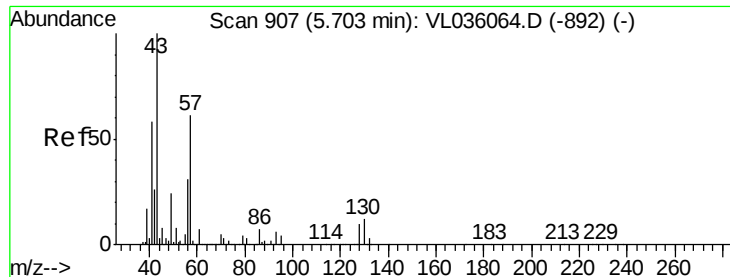
Delta R.T. -0.01 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion:	43	Resp:	6197
Ion	Ratio	Lower	Upper
43	100		
45	9.4	8.2	12.4
61	0.0	7.4	11.2#
70	5.4	5.4	8.0





#26

Hexane

Concen: 0.027 ppbv

RT: 5.67 min Scan# 898

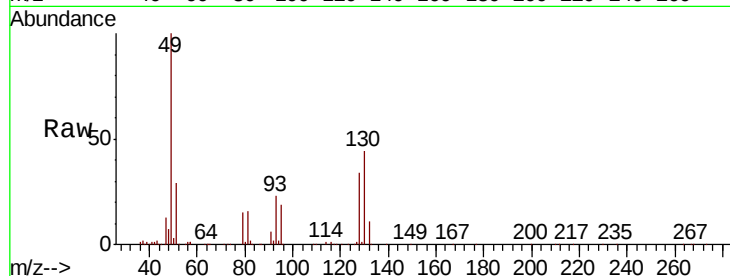
Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion: 57 Resp: 3901

Ion	Ratio	Lower	Upper
57	100		
41	0.0	82.9	124.3#
43	0.0	199.9	299.9#
56	103.4	43.1	64.7#



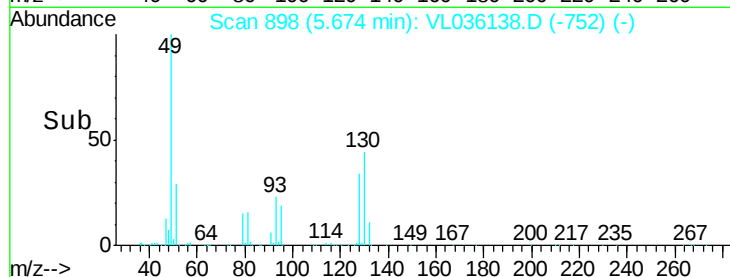
Abundance Ion 57.10 (56.80 to 57.80): VL0

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

Time-->



Abundance

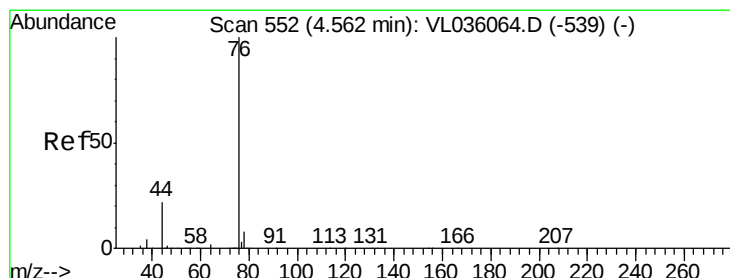
Ion 57.10 (56.80 to 57.80): VL0

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

Time-->



#27

Carbon Disulfide

Concen: 0.001 ppbv

RT: 4.55 min Scan# 549

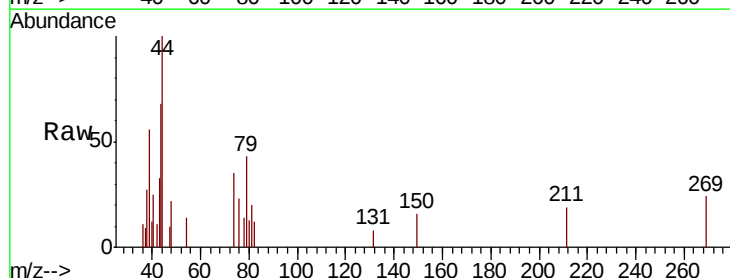
Delta R.T. -0.01 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion: 76 Resp: 126

Ion	Ratio	Lower	Upper
76	100		
44	1062.7	17.9	26.9#
78	244.4	7.8	11.8#

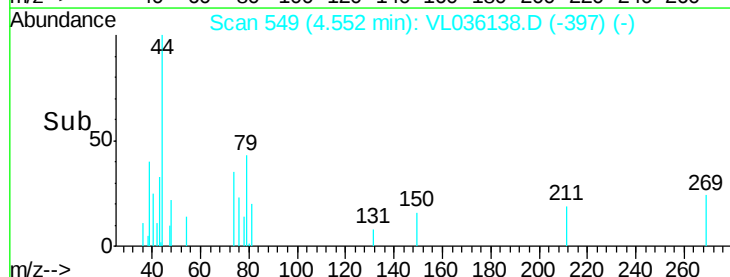


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0

Time-->



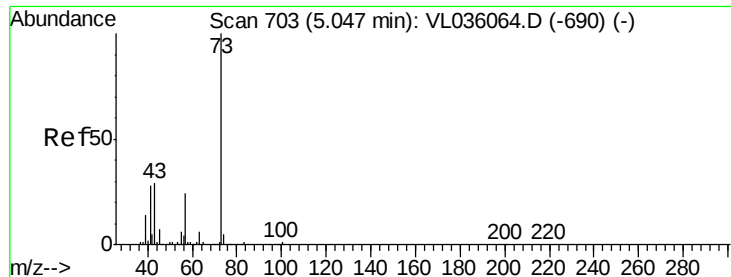
Abundance

Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

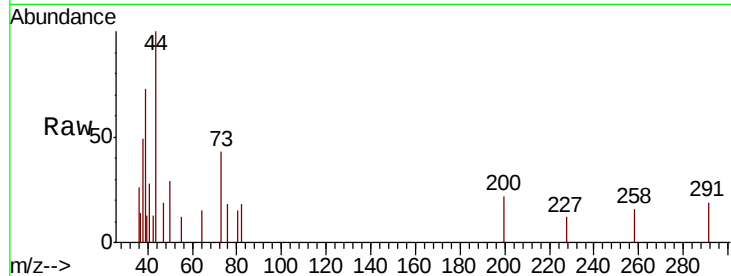
Ion 78.00 (77.70 to 78.70): VL0

Time-->

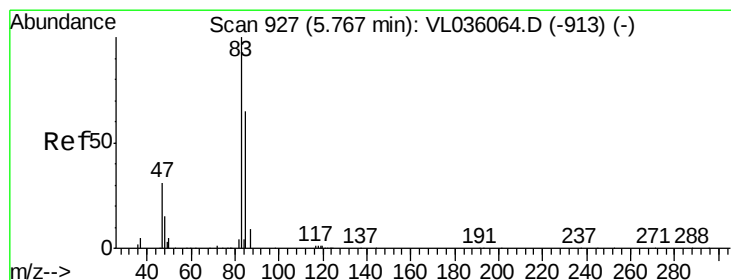
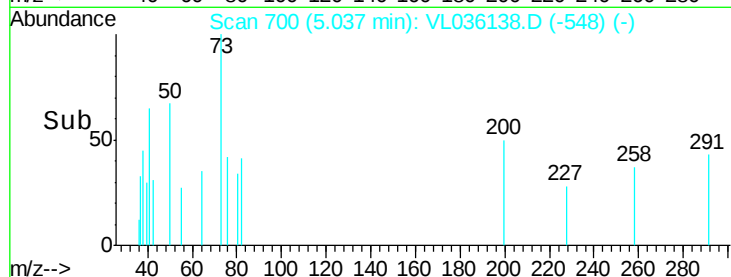
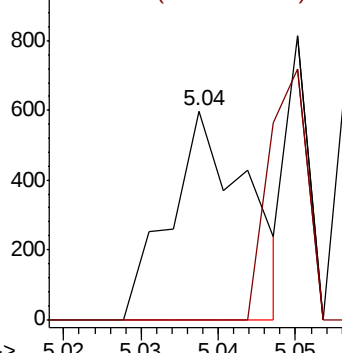


#28
Methvl tert-Butvl Ether
Concen: 0.002 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.01 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tot Ion: 73 Resp: 414
Ion Ratio Lower Upper
73 100
57 0.0 19.2 28.8#

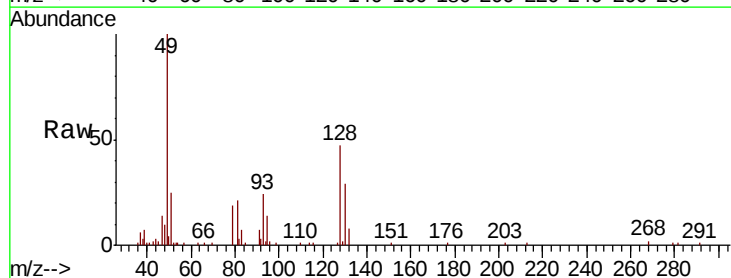


Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0

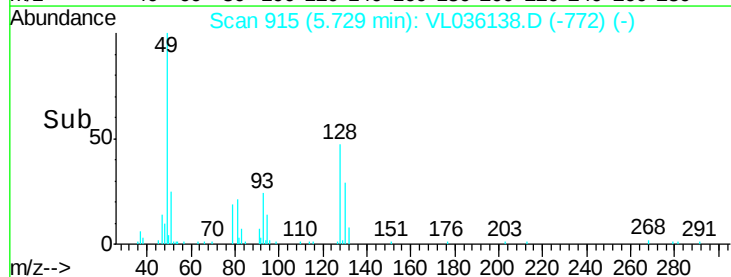
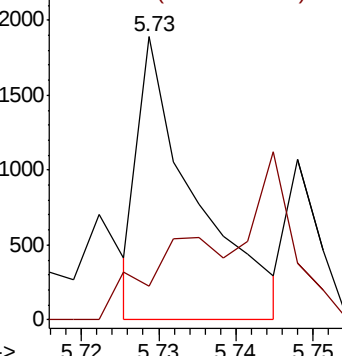


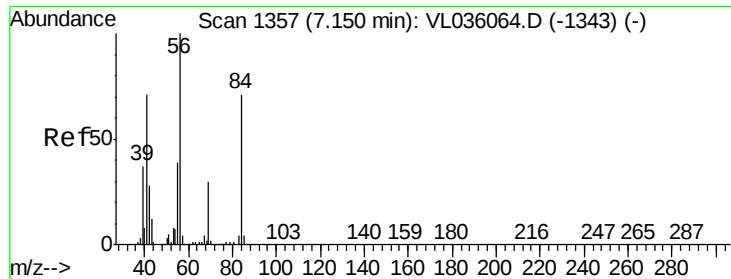
#29
Chloroform
Concen: 0.005 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion: 83 Resp: 964
Ion Ratio Lower Upper
83 100
85 0.0 51.8 77.6#



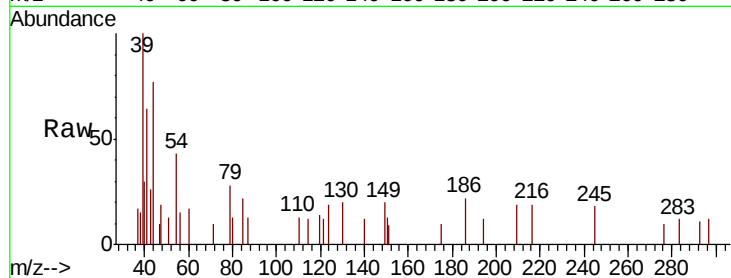
Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0



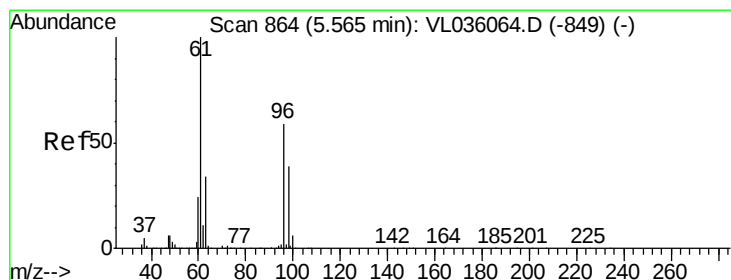
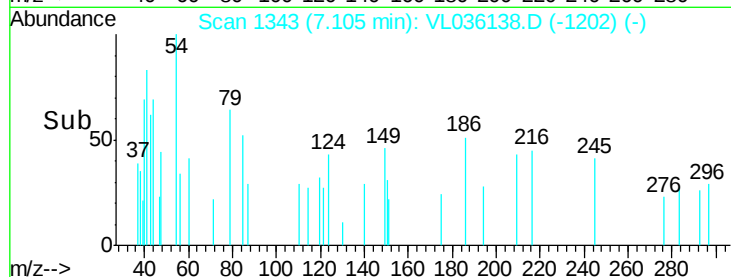
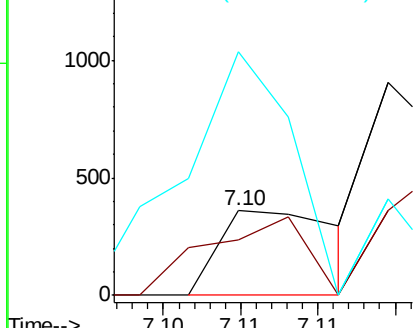


#30
Cvclohexane
Concen: 0.002 ppbv
RT: 7.10 min Scan# 1343
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#

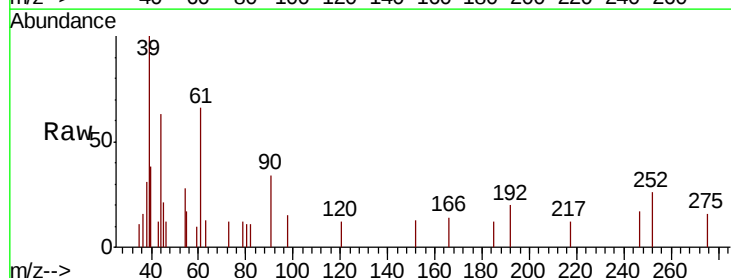


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

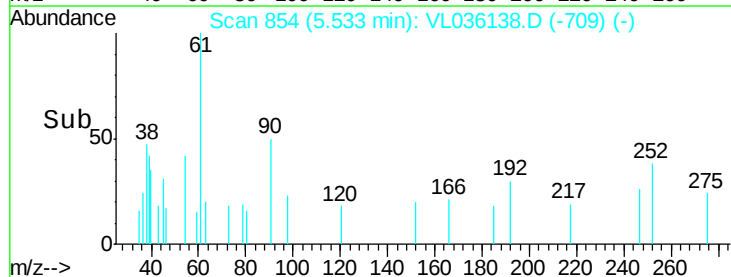
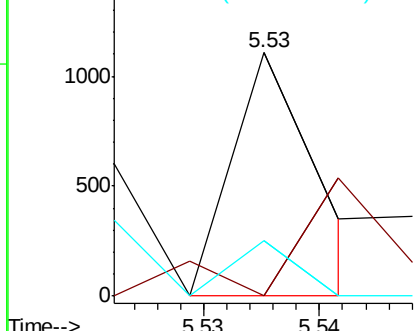


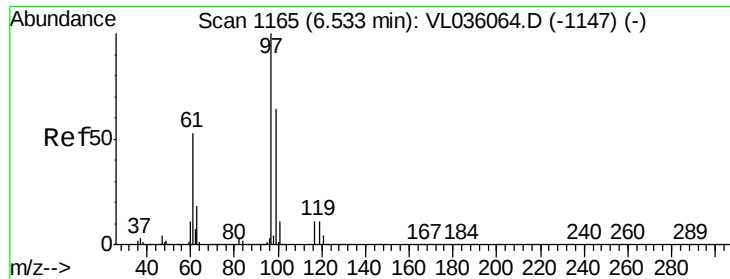
#31
cis-1,2-Dichloroethene
Concen: 0.002 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.03 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion	Ratio	Lower	Upper
61	100		
96	0.0	47.3	70.9#
98	22.6	31.4	47.0#



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





#32

1,1,1-Trichloroethane

Concen: 0.001 ppbv

RT: 6.49 min Scan# 1153

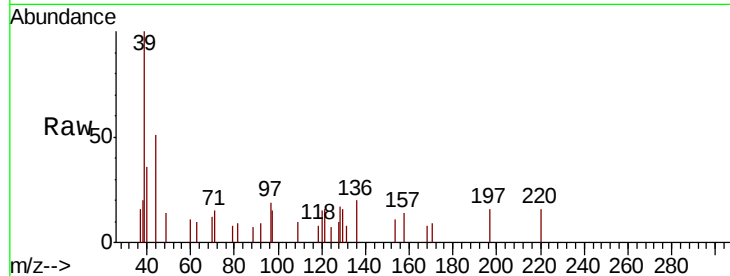
Delta R.T. -0.04 min

Lab File: VL036138.D

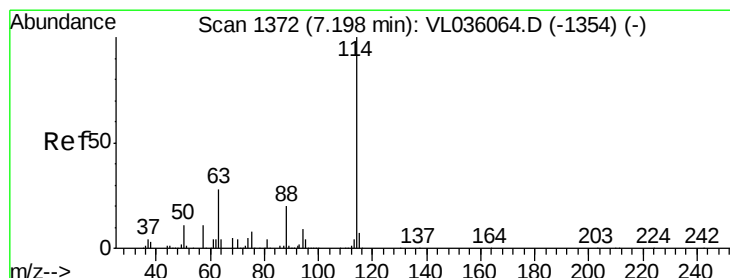
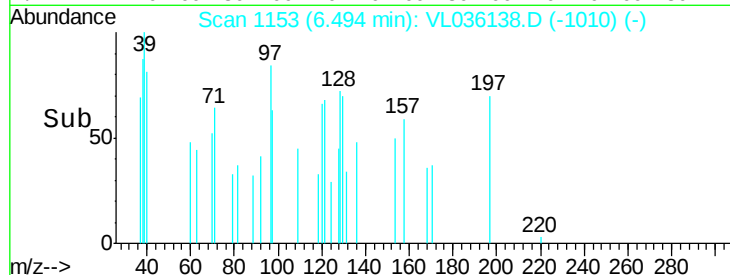
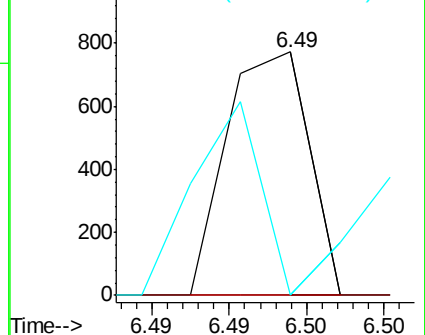
Acq: 10 Dec 2020 21:37

Tot Ion: 97 Resp: 285

Ion	Ratio	Lower	Upper
97	100		
99	0.0	52.4	78.6#
61	142.8	43.4	65.0#



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

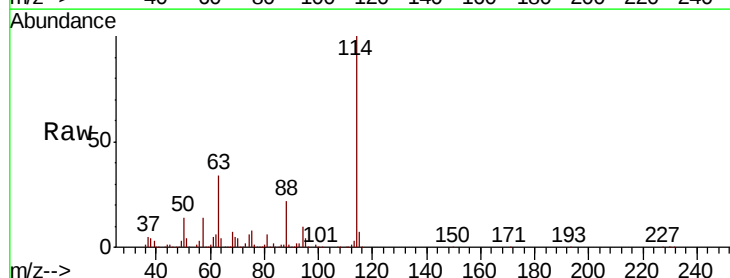
Delta R.T. -0.04 min

Lab File: VL036138.D

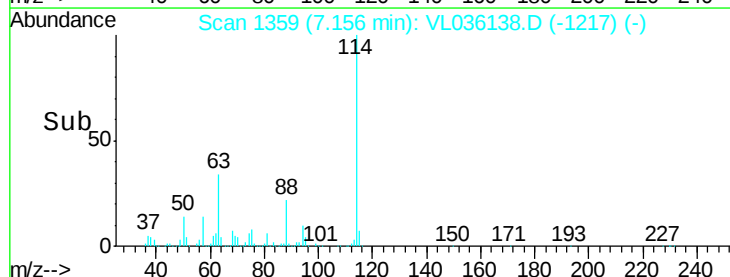
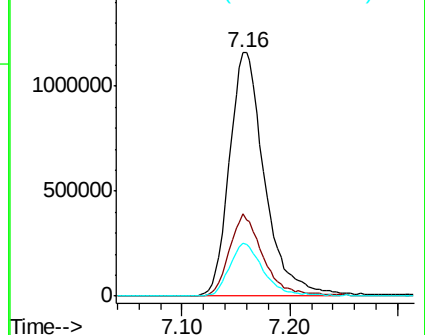
Acq: 10 Dec 2020 21:37

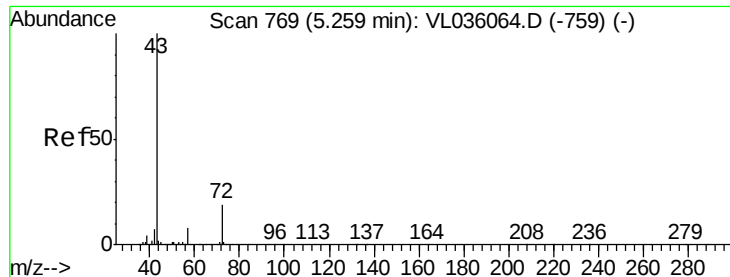
Tgt Ion: 114 Resp: 2640314

Ion	Ratio	Lower	Upper
114	100		
63	32.9	23.6	35.4
88	21.1	15.8	23.6



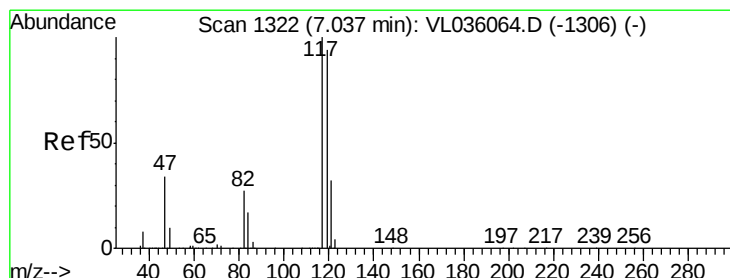
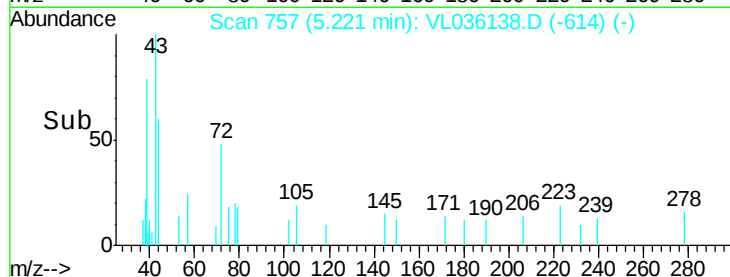
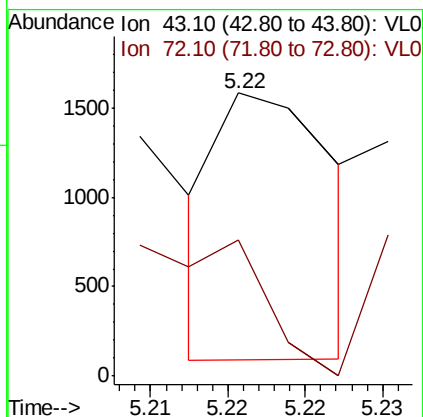
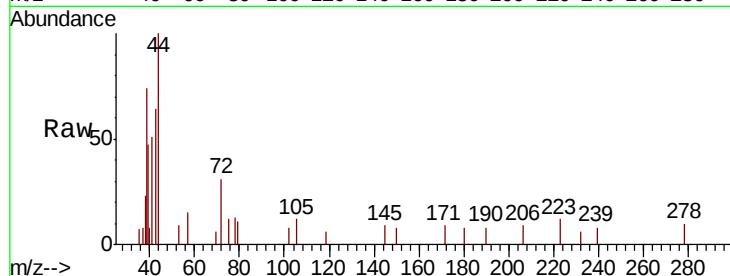
Abundance Ion 114.10 (113.80 to 114.80): V
Ion 63.10 (62.80 to 63.80): VL0
Ion 88.10 (87.80 to 88.80): VL0





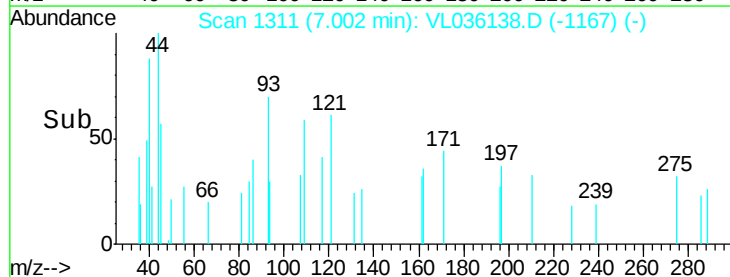
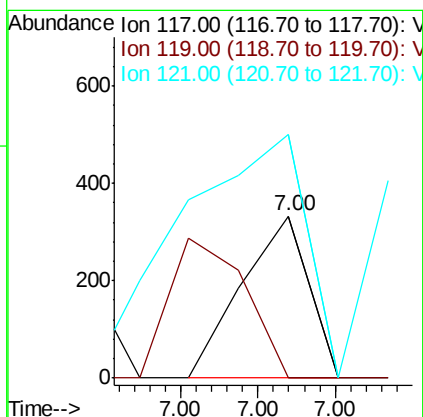
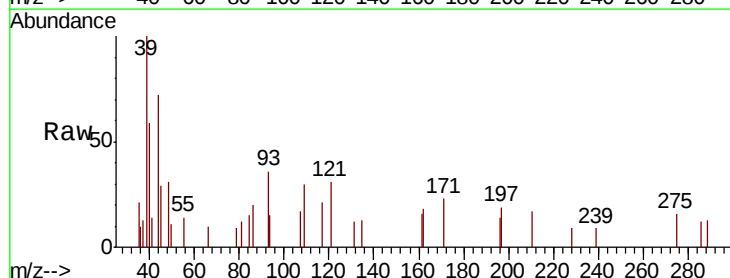
#34
2-Butanone
Concen: 0.004 ppbv
RT: 5.22 min Scan# 757
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

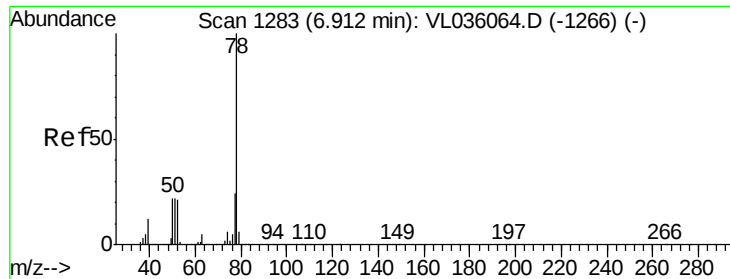
Tot Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#35
Carbon Tetrachloride
Concen: 0.001 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion: 117 Resp: 100
Ion Ratio Lower Upper
117 100
119 0.0 75.1 112.7#
121 150.2 25.6 38.4#





#36

Benzene

Concen: 0.008 ppbv

RT: 6.86 min Scan# 1268

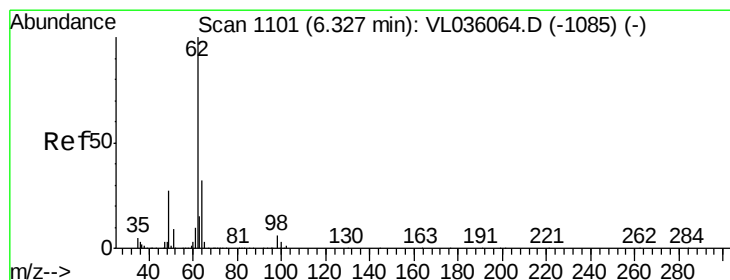
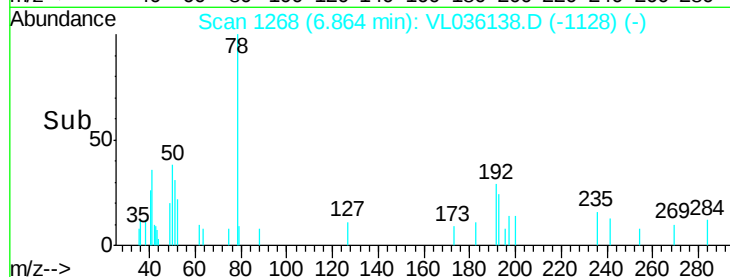
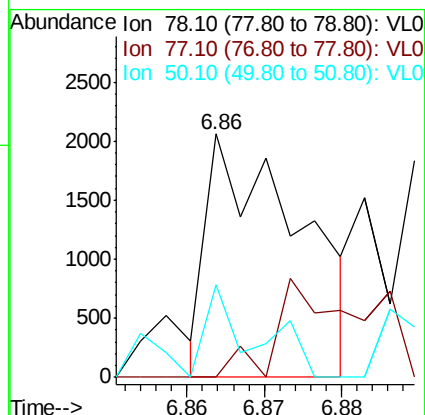
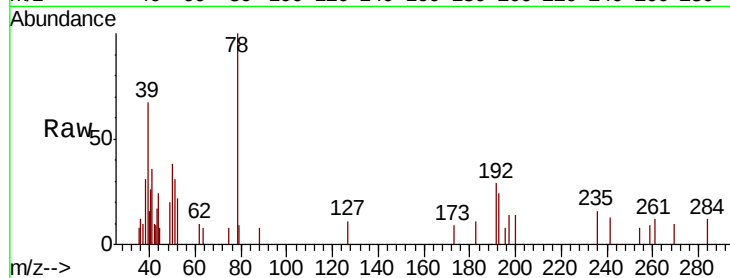
Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion: 78 Resp: 1699

Ion	Ratio	Lower	Upper
78	100		
77	0.0	19.4	29.2#
50	44.9	17.8	26.8#



#37

1,2-Dichloroethane

Concen: 0.005 ppbv

RT: 6.30 min Scan# 1092

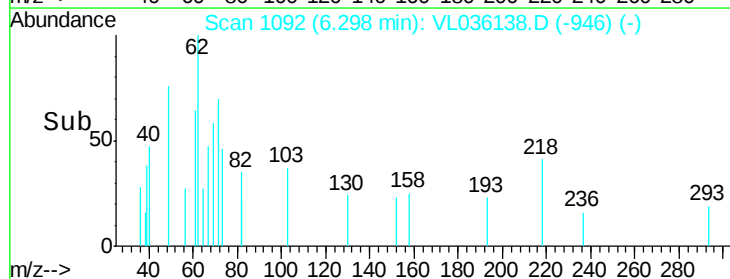
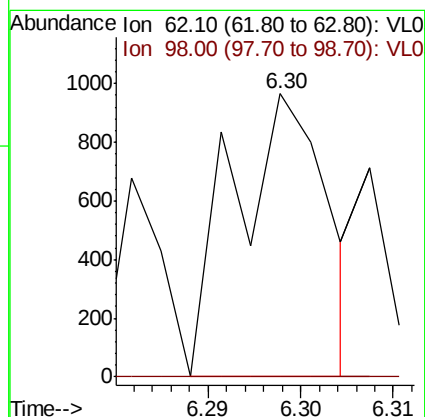
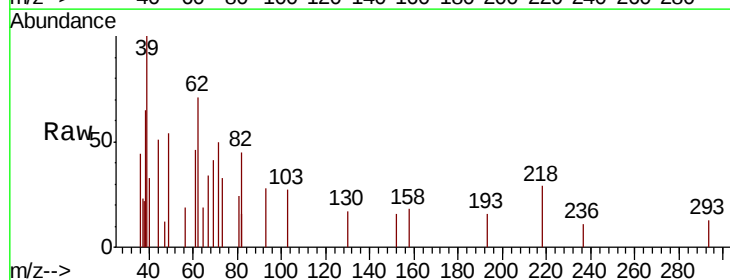
Delta R.T. -0.03 min

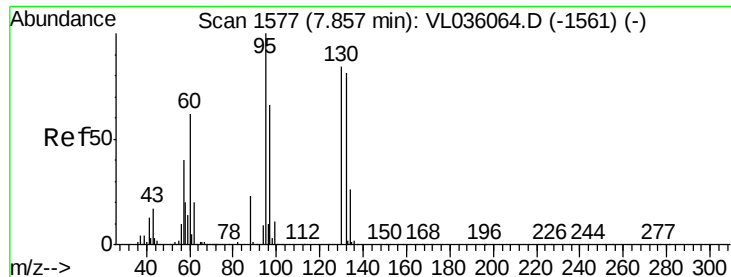
Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion: 62 Resp: 676

Ion	Ratio	Lower	Upper
62	100		
98	0.0	4.6	7.0#





#38

Trichloroethene

Concen: 0.004 ppbv

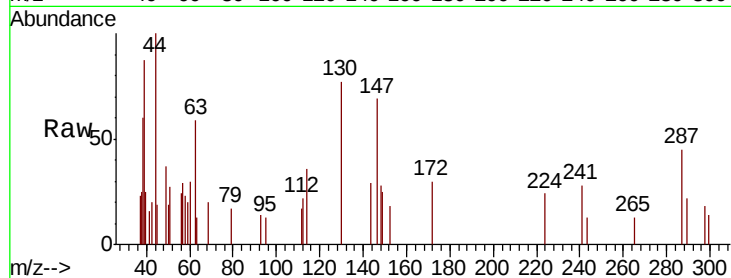
RT: 7.81 min Scan# 1563

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion:	130	Resp:	332
Ion	Ratio	Lower	Upper
130	100		
95	0.0	95.2	142.8#
132	0.0	76.9	115.3#
97	0.0	62.3	93.5#

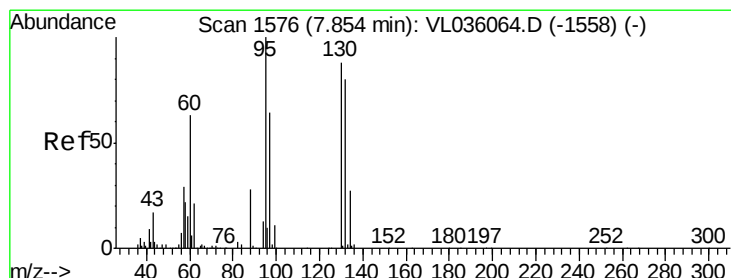
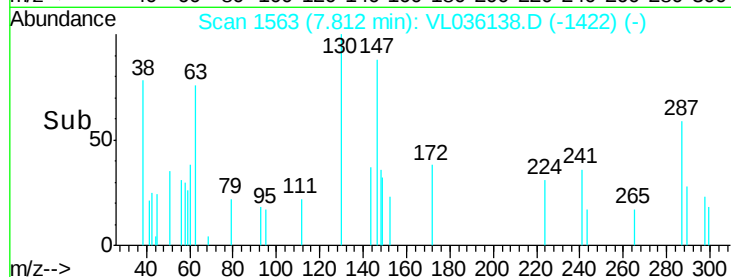
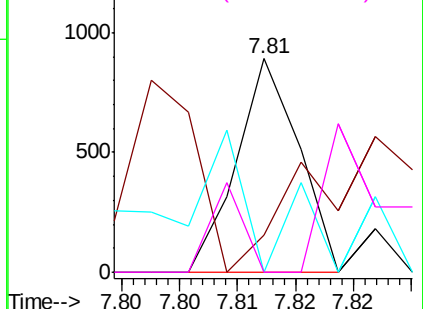


Abundance Ion 130.00 (129.70 to 130.70): V

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



#40

1,4-Dioxane

Concen: 0.006 ppbv

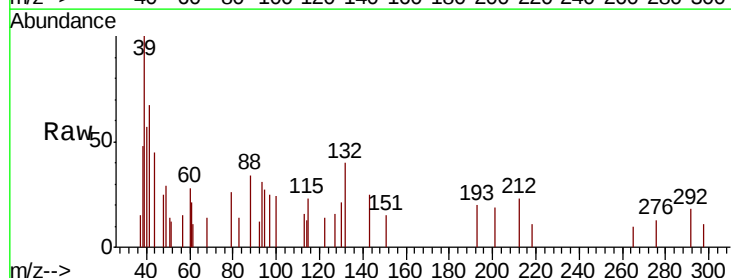
RT: 7.81 min Scan# 1562

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion:	88	Resp:	158
Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0

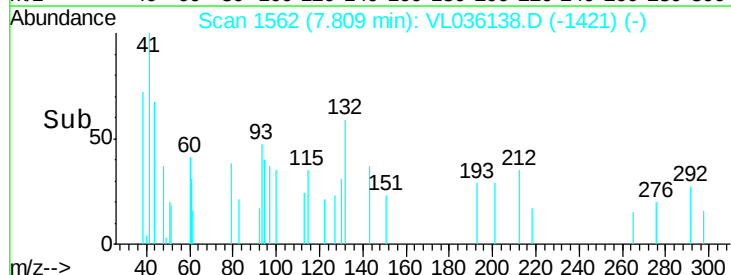
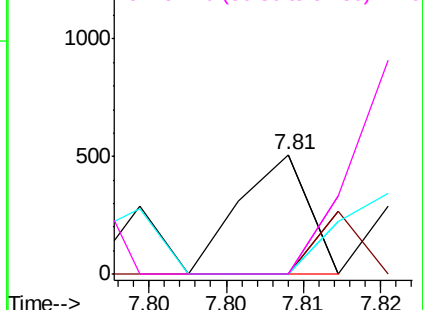


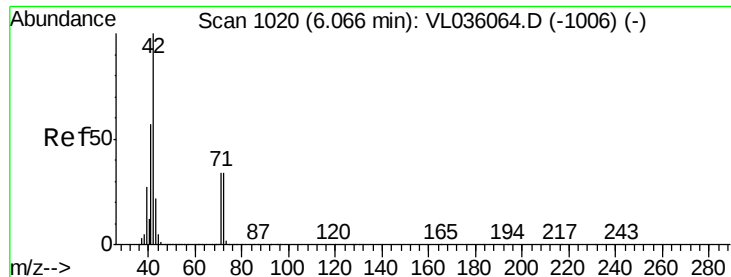
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 0.000 ppbv

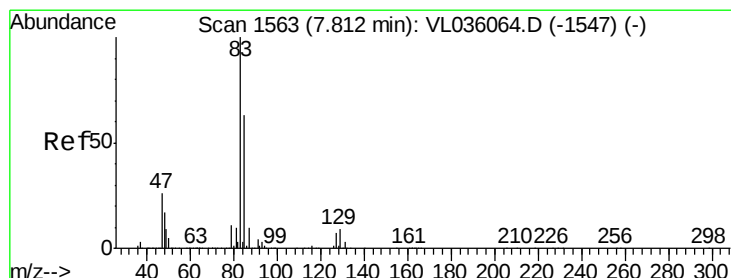
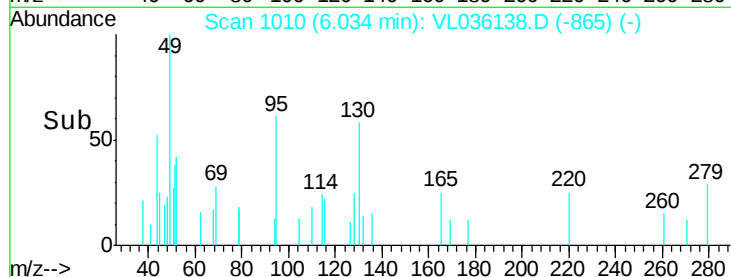
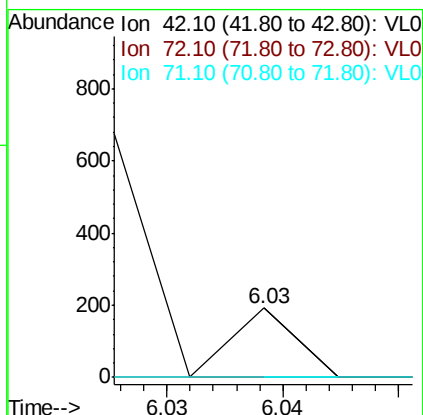
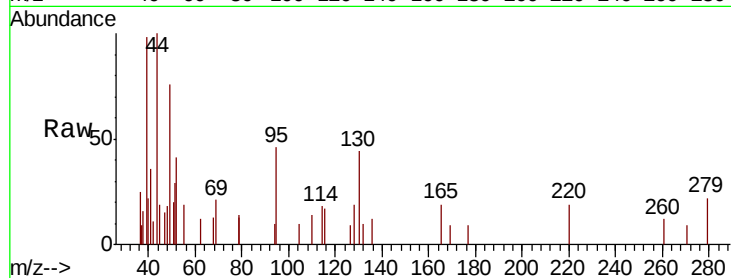
RT: 6.03 min Scan# 1010

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion:	42	Resp:	37
Ion	Ratio	Lower	Upper
42	100		
72	0.0	28.3	42.5#
71	0.0	27.3	40.9#



#42

Bromodichloromethane

Concen: 0.002 ppbv

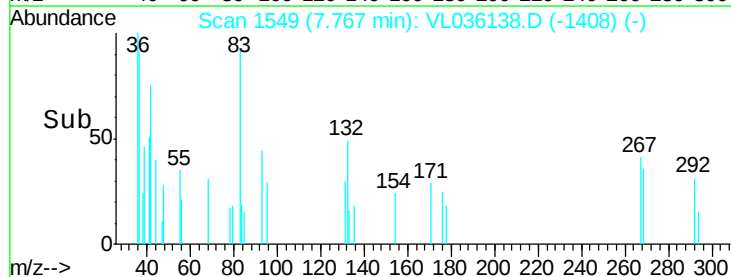
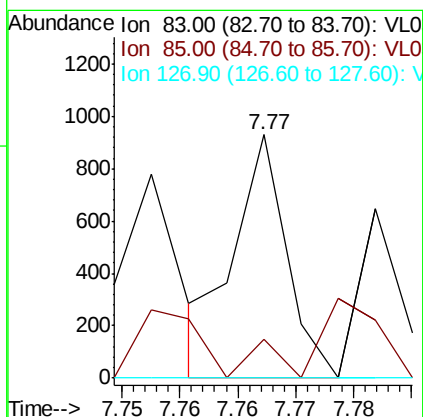
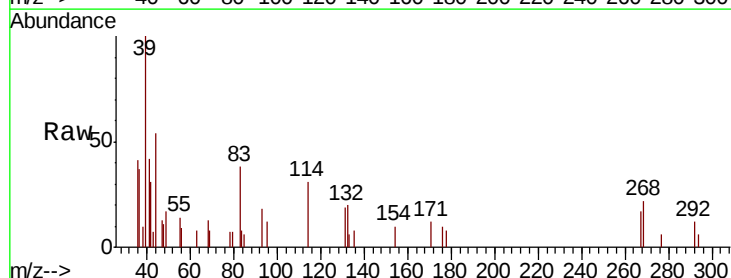
RT: 7.77 min Scan# 1549

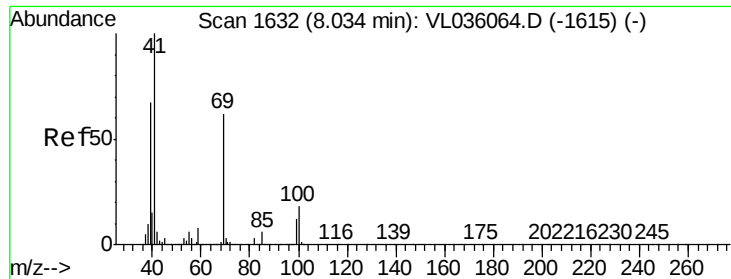
Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

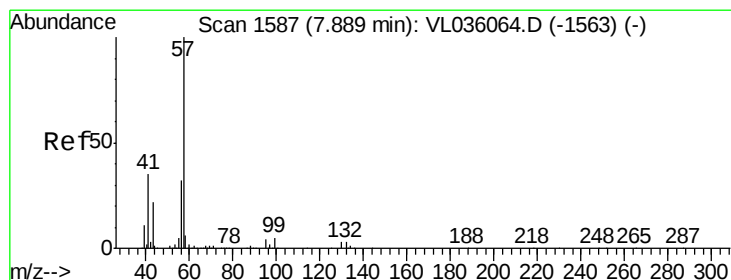
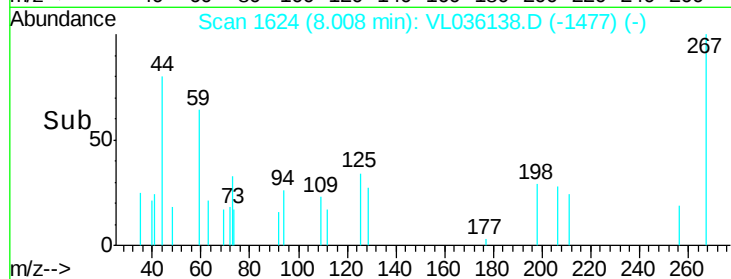
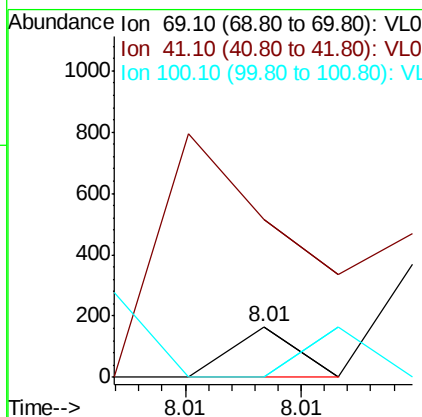
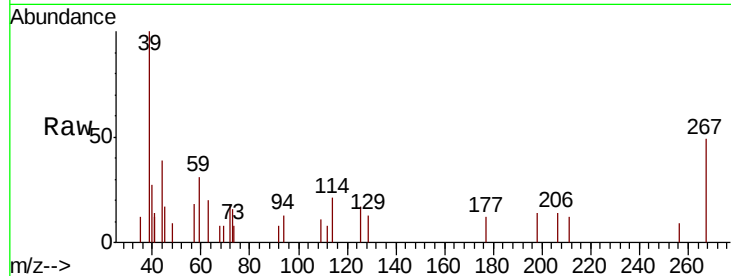
Tgt Ion:	83	Resp:	289
Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.2	75.2#
127	0.0	5.5	8.3#





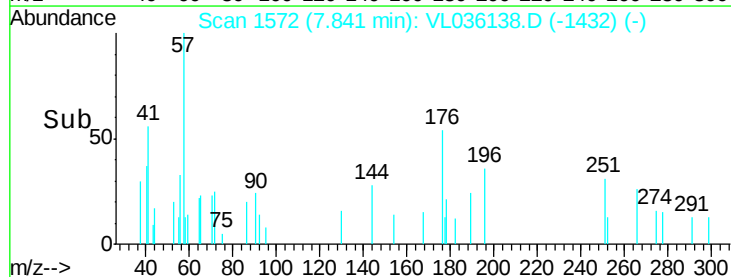
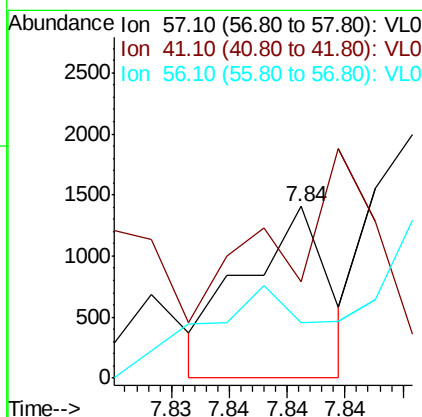
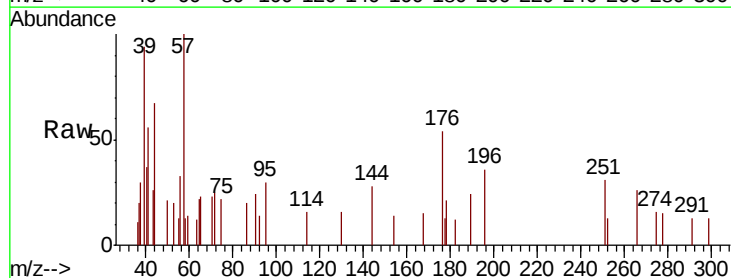
#43
Methvl Methacrvalate
Concen: 0.000 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. -0.03 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

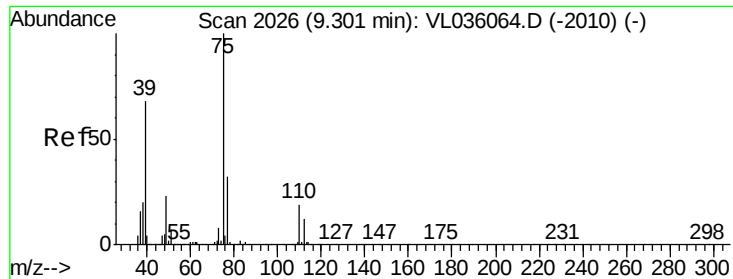
Tot Ion: 69 Resp: 32
Ion Ratio Lower Upper
69 100
41 0.0 133.0 199.6#
100 0.0 25.4 38.0#



#44
2,2,4-Trimethylpentane
Concen: 0.002 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

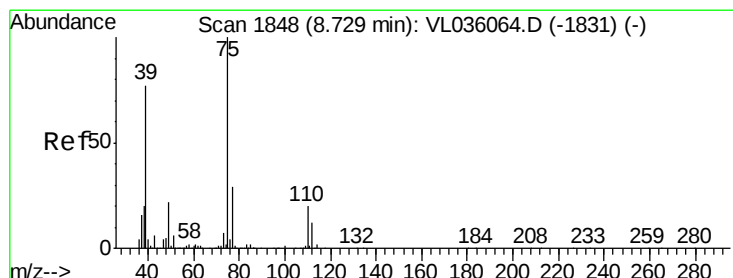
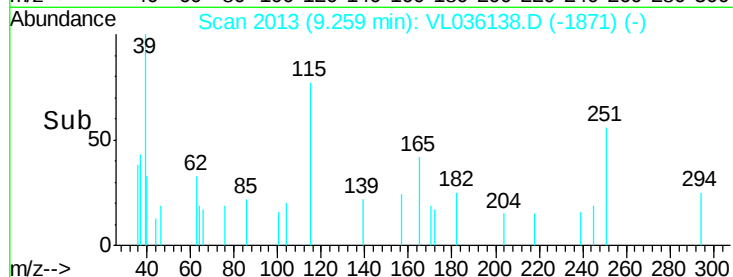
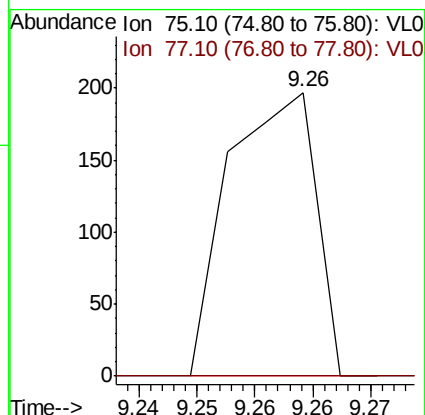
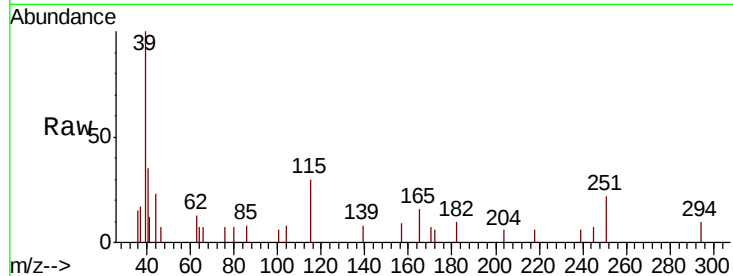
Tgt Ion: 57 Resp: 709
Ion Ratio Lower Upper
57 100
41 415.5 28.9 43.3#
56 0.0 25.3 37.9#





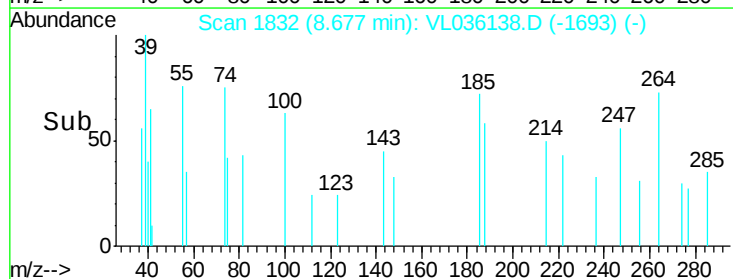
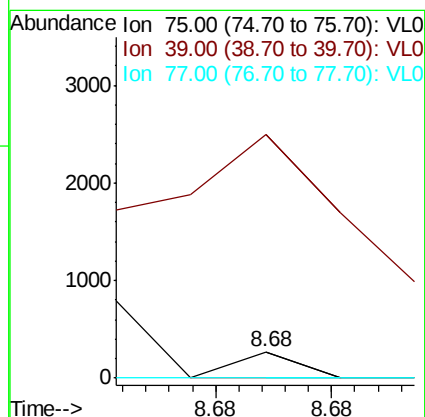
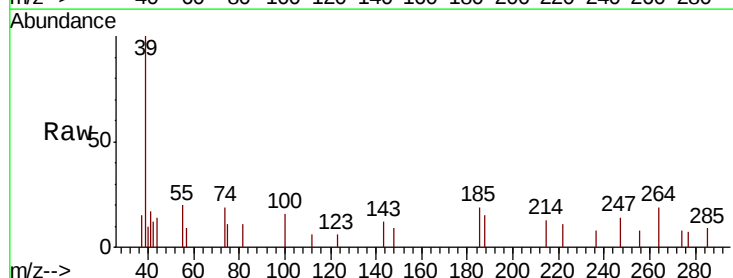
#45
t-1,3-Dichloropropene
Concen: 0.001 ppbv
RT: 9.26 min Scan# 2013
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

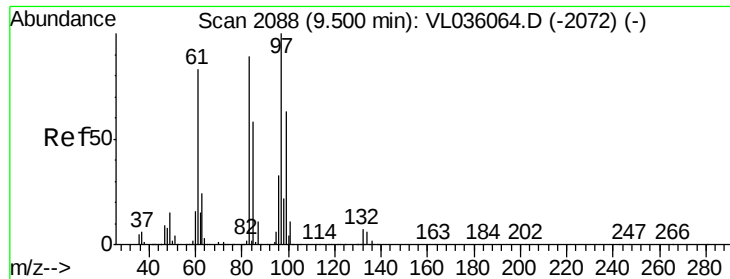
Tot Ion: 75 Resp: 102
Ion Ratio Lower Upper
75 100
77 0.0 26.0 39.0#



#46
cis-1,3-Dichloropropene
Concen: 0.000 ppbv
RT: 8.68 min Scan# 1832
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion: 75 Resp: 52
Ion Ratio Lower Upper
75 100
39 295.9 61.6 92.4#
77 0.0 23.0 34.6#





#47

1,1,2-Trichloroethane

Concen: 0.001 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. -0.04 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tot Ion: 97 Resp: 126

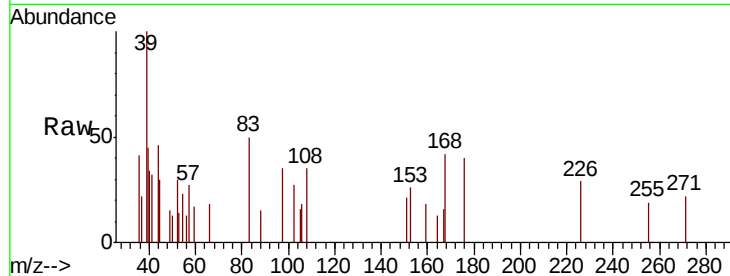
Ion Ratio Lower Upper

97 100

83 84.6 71.4 107.2

85 0.0 46.6 70.0#

99 0.0 50.7 76.1#

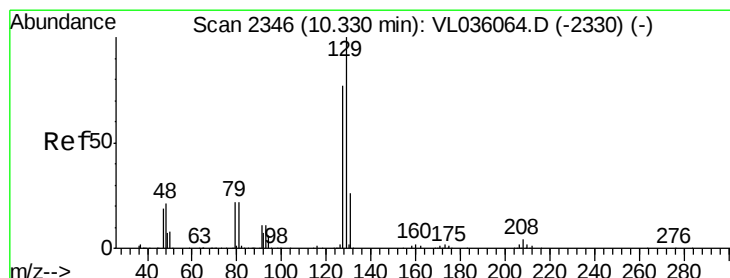
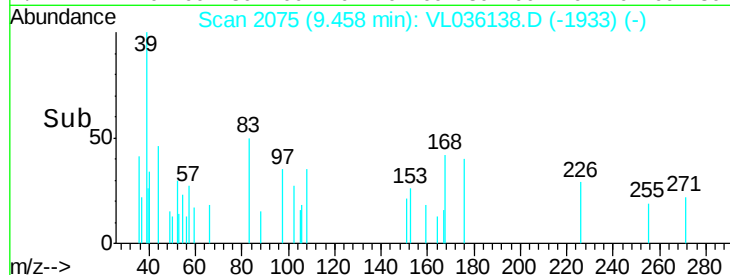
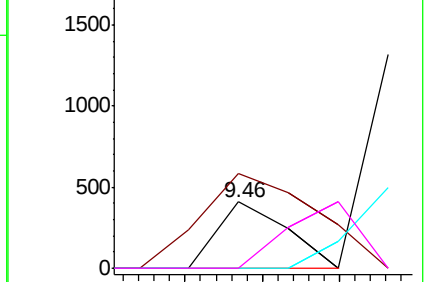


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 0.001 ppbv

RT: 10.34 min Scan# 2350

Delta R.T. 0.01 min

Lab File: VL036138.D

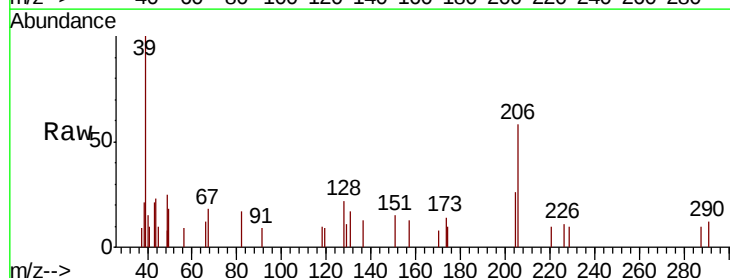
Acq: 10 Dec 2020 21:37

Tgt Ion: 129 Resp: 73

Ion Ratio Lower Upper

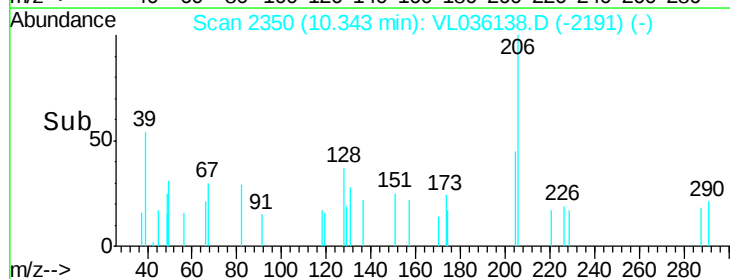
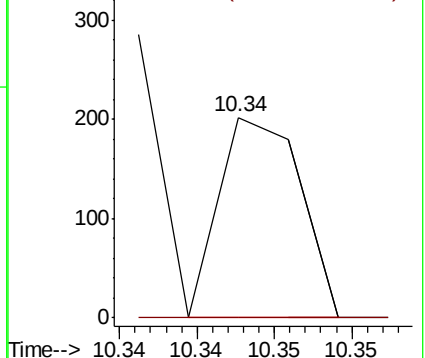
129 100

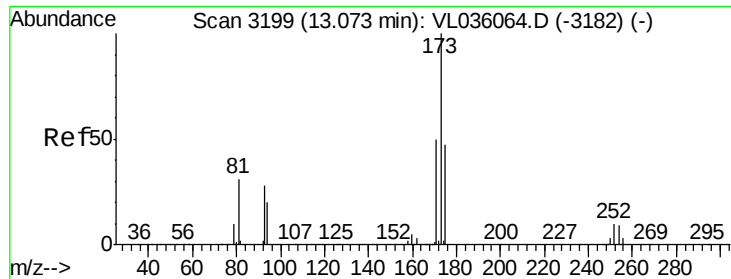
127 91.8 39.0 117.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 0.001 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.06 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

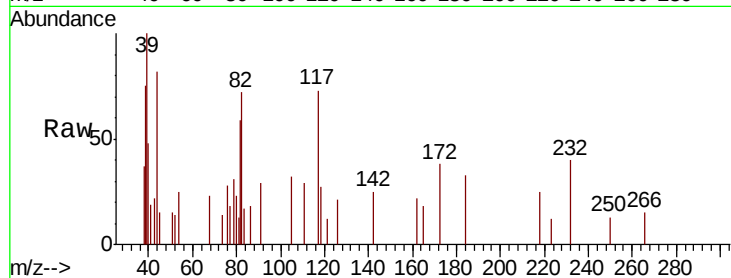
Tot Ion: 173 Resp: 139

Ion Ratio Lower Upper

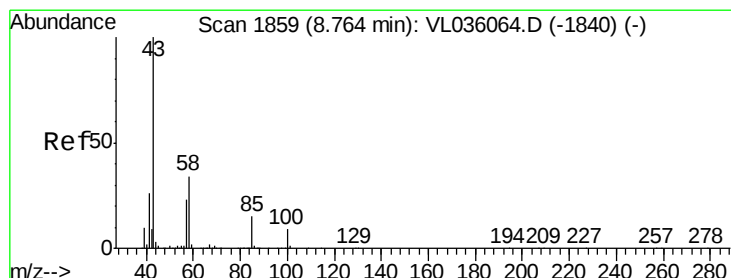
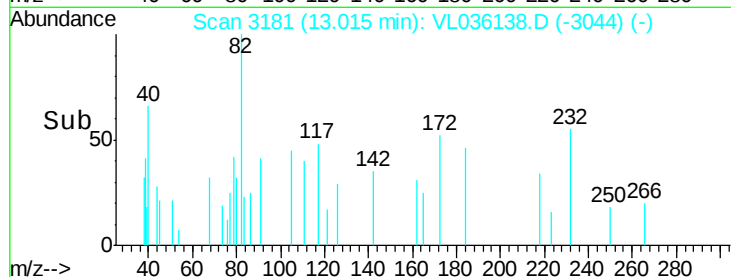
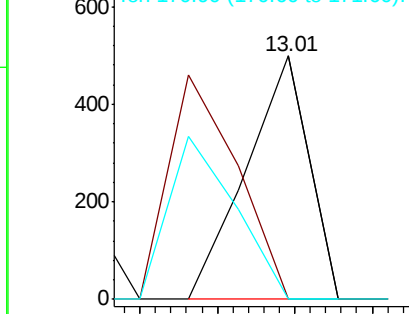
173 100

175 102.2 39.8 59.6#

171 71.9 42.5 63.7#



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.001 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. -0.06 min

Lab File: VL036138.D

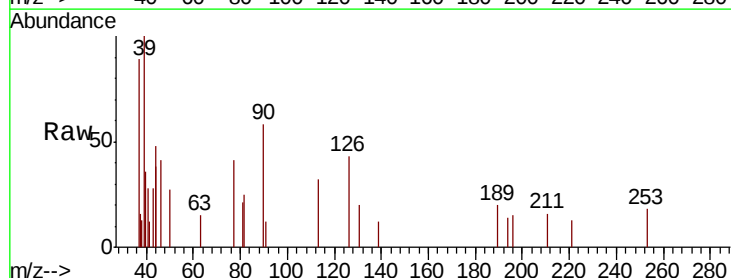
Acq: 10 Dec 2020 21:37

Tgt Ion: 43 Resp: 194

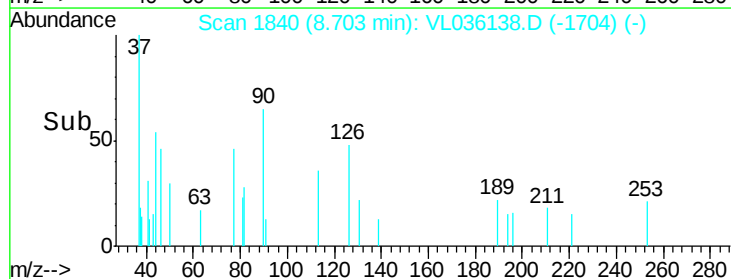
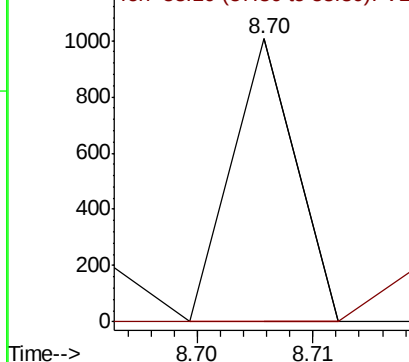
Ion Ratio Lower Upper

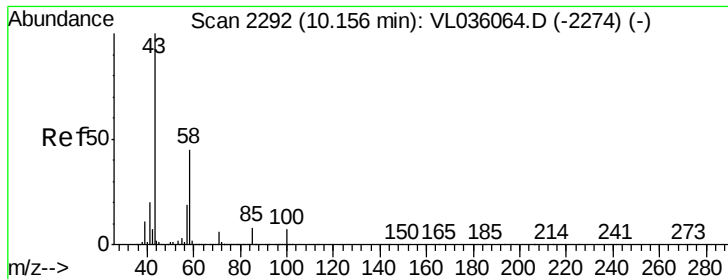
43 100

58 0.0 27.4 41.2#



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





#51

2-Hexanone

Concen: 0.001 ppbv

RT: 10.10 min Scan# 2273

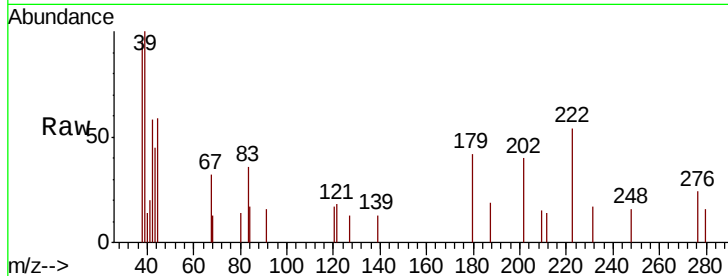
Delta R.T. -0.06 min

Lab File: VL036138.D

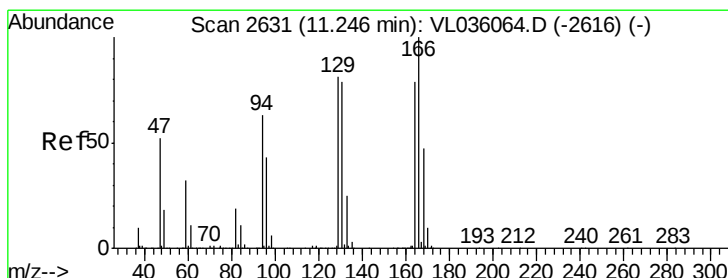
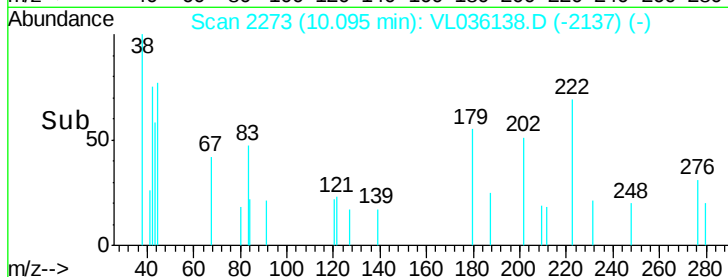
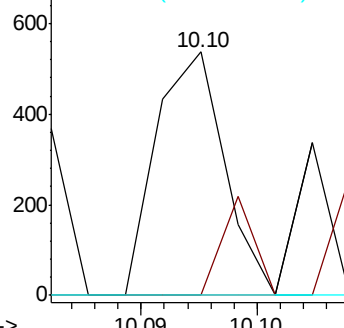
Acq: 10 Dec 2020 21:37

Tot Ion: 43 Resp: 218

Ion	Ratio	Lower	Upper
43	100		
58	0.0	38.7	58.1#
98	0.0	0.1	0.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 0.001 ppbv

RT: 11.18 min Scan# 2611

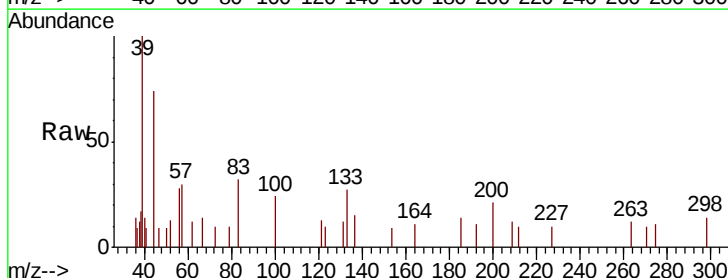
Delta R.T. -0.06 min

Lab File: VL036138.D

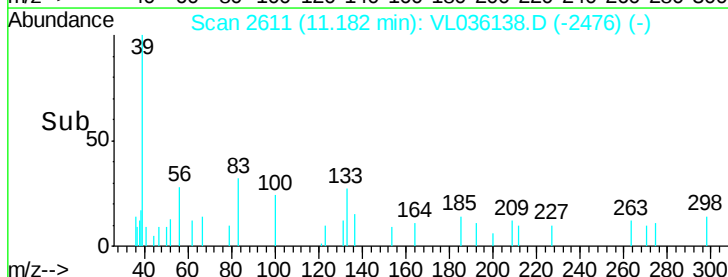
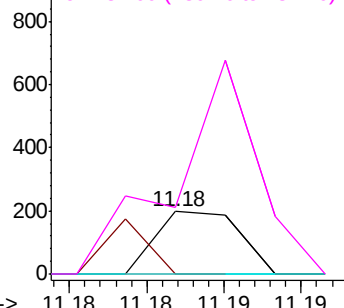
Acq: 10 Dec 2020 21:37

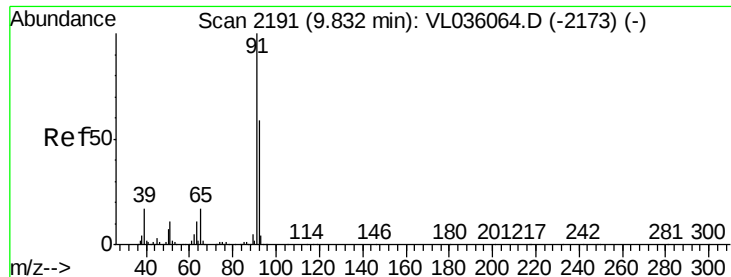
Tgt Ion: 164 Resp: 74

Ion	Ratio	Lower	Upper
164	100		
166	0.0	101.9	152.9#
129	0.0	82.1	123.1#
131	14.2	80.8	121.2#



Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 0.011 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.05 min

Lab File: VL036138.D

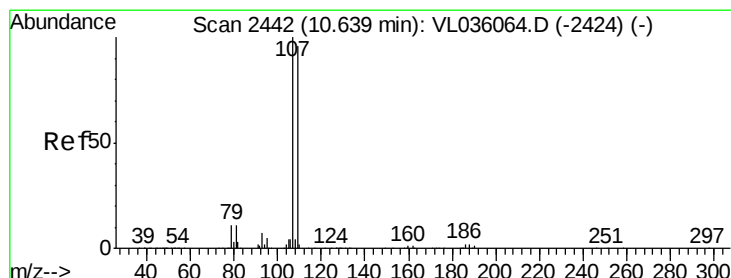
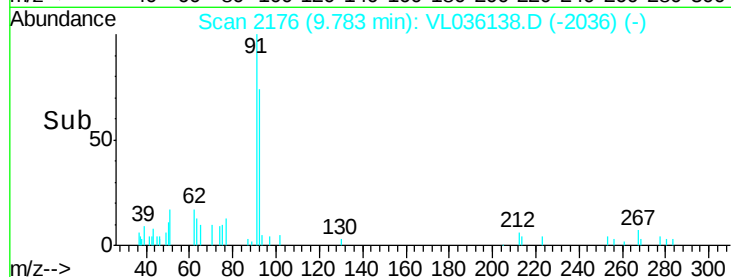
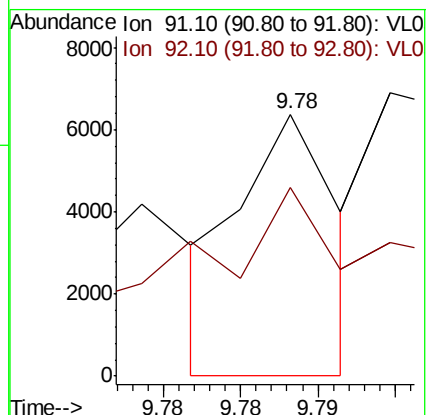
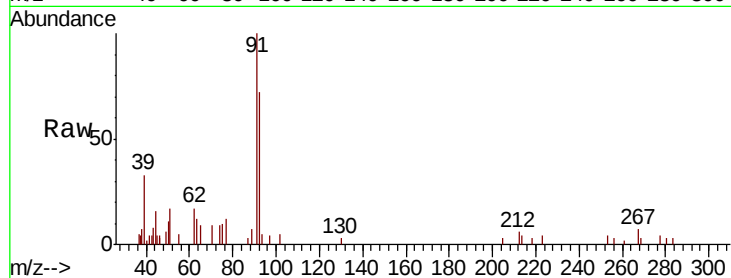
Acq: 10 Dec 2020 21:37

Tot Ion: 91 Resp: 2784

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#54

1,2-Dibromoethane

Concen: 0.003 ppbv

RT: 10.58 min Scan# 2424

Delta R.T. -0.06 min

Lab File: VL036138.D

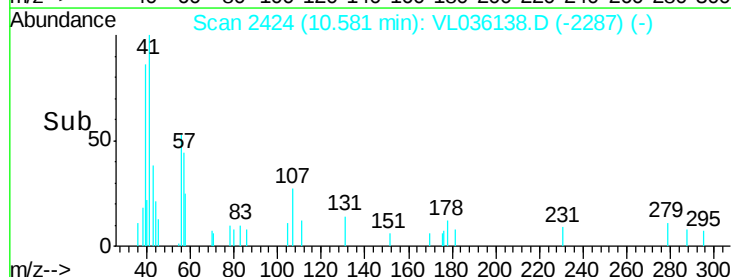
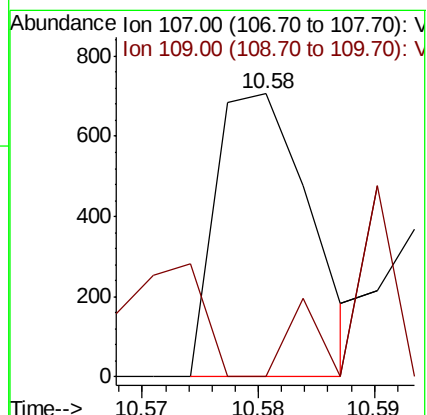
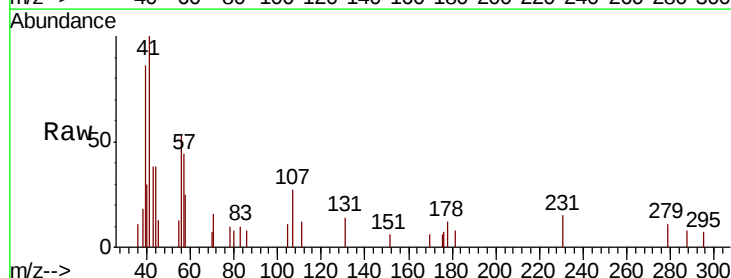
Acq: 10 Dec 2020 21:37

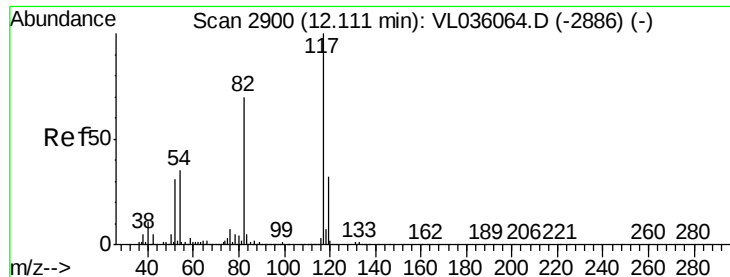
Tgt Ion: 107 Resp: 395

Ion Ratio Lower Upper

107 100

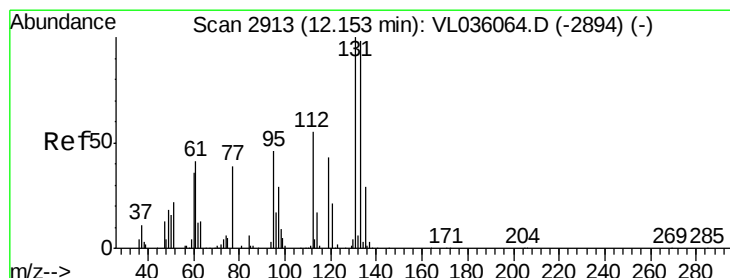
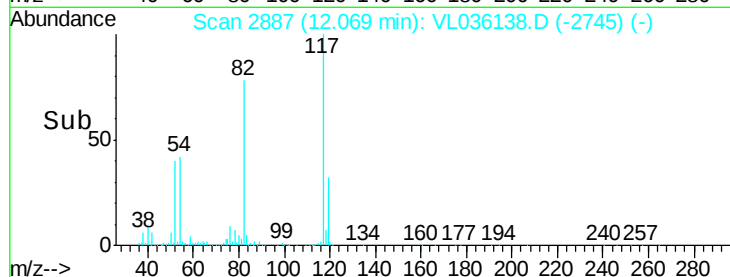
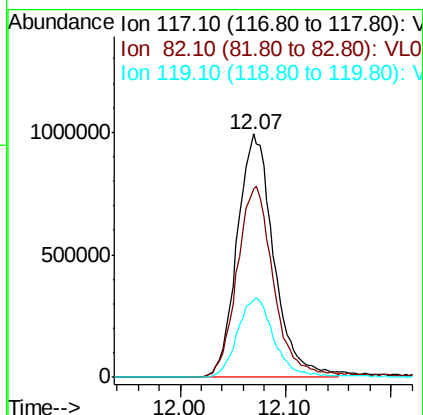
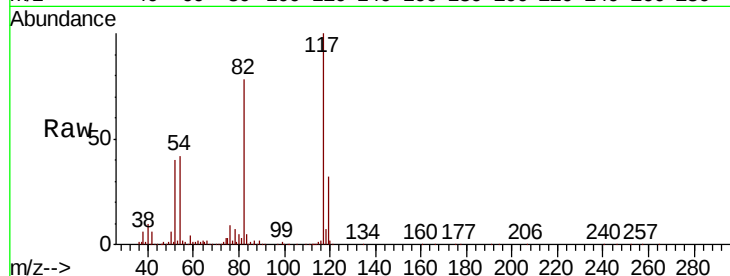
109 0.0 76.6 115.0#





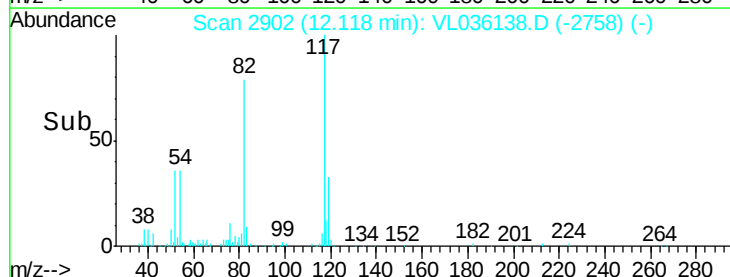
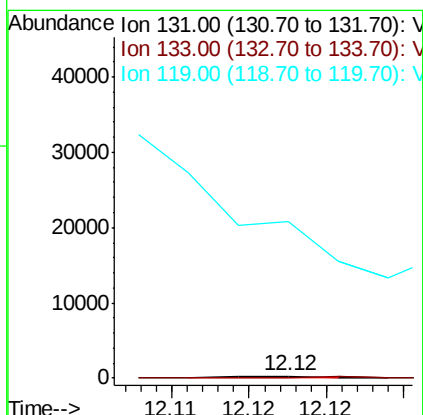
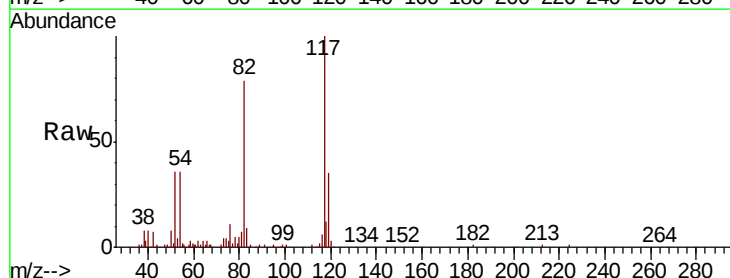
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

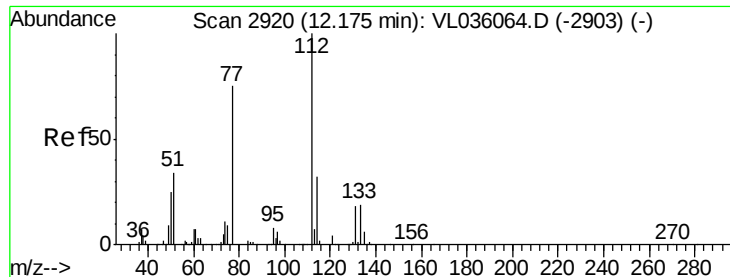
Tot Ion:117 Resp: 2395852
Ion Ratio Lower Upper
117 100
82 80.7 0.0 0.0#
119 33.4 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion:131 Resp: 99
Ion Ratio Lower Upper
131 100
133 0.0 77.7 116.5#
119 0.0 51.6 77.4#





#57

Chlorobenzene

Concen: 0.003 ppbv

RT: 12.13 min Scan# 2907

Delta R.T. -0.04 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

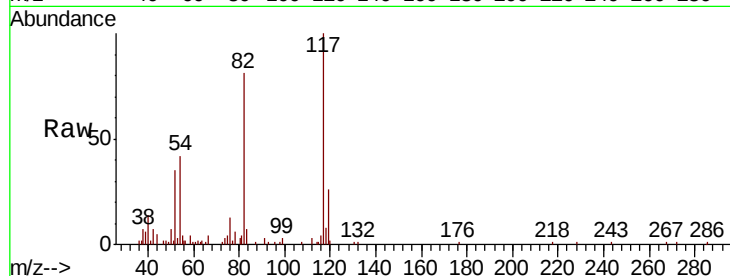
Tot Ion: 112 Resp: 443

Ion Ratio Lower Upper

112 100

77 42.1 60.5 90.7#

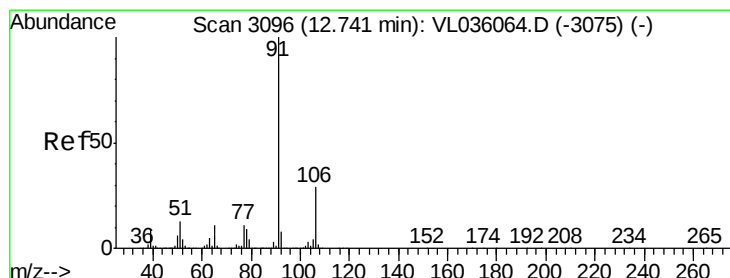
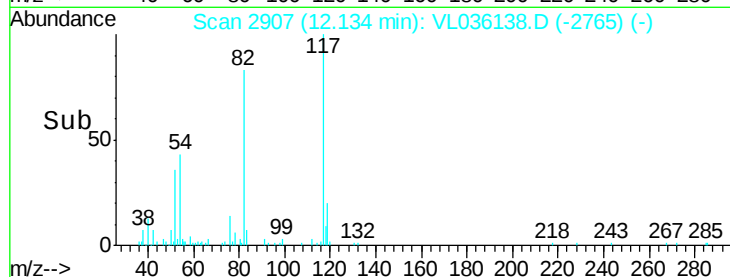
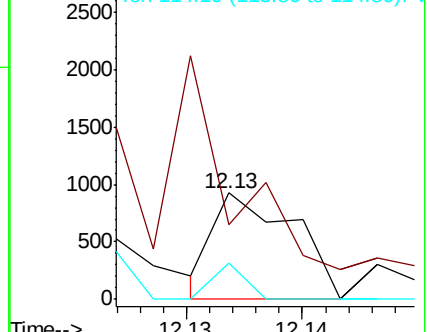
114 33.9 29.2 35.6



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.002 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.05 min

Lab File: VL036138.D

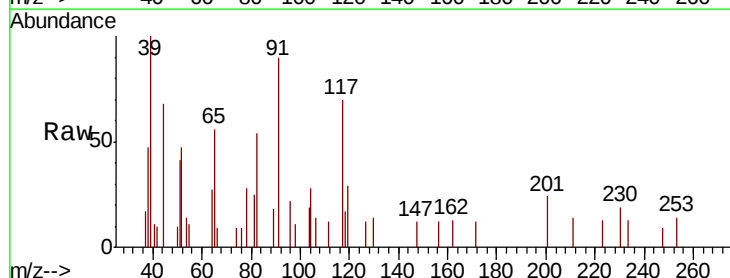
Acq: 10 Dec 2020 21:37

Tgt Ion: 91 Resp: 775

Ion Ratio Lower Upper

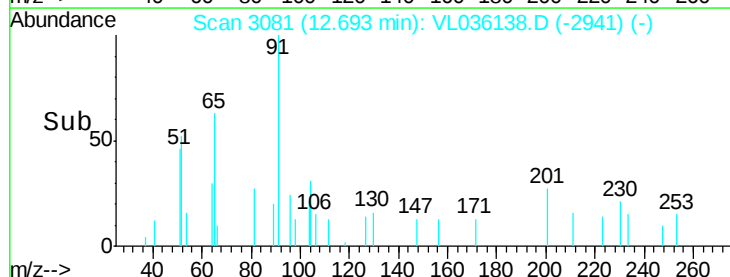
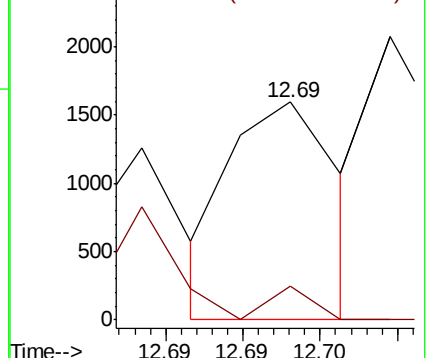
91 100

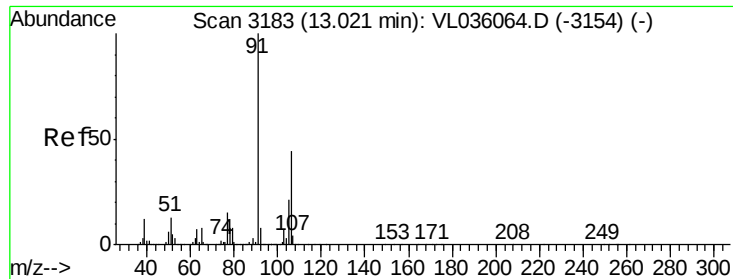
106 23.8 23.0 34.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

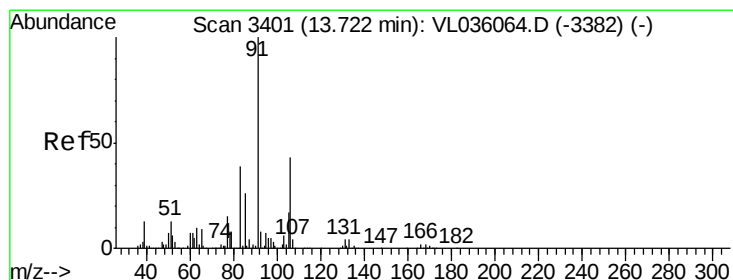
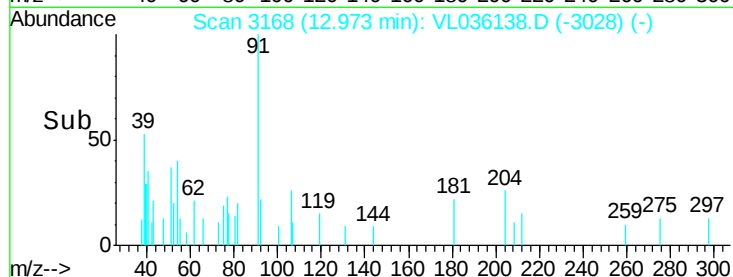
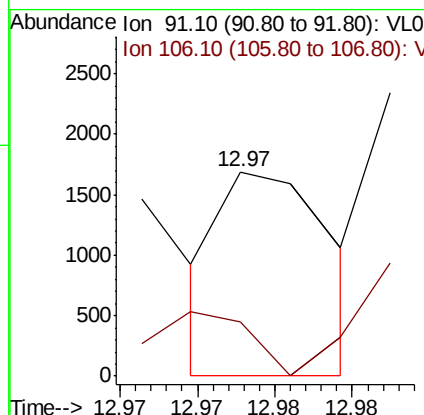
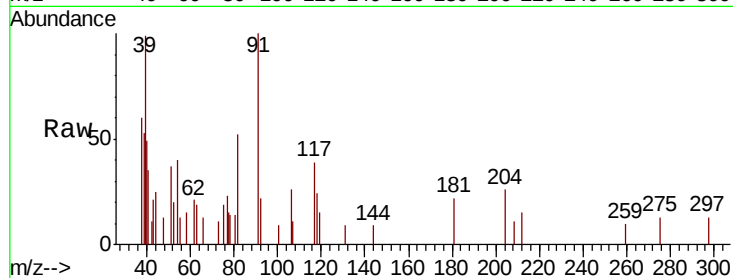
Ion 106.10 (105.80 to 106.80): V





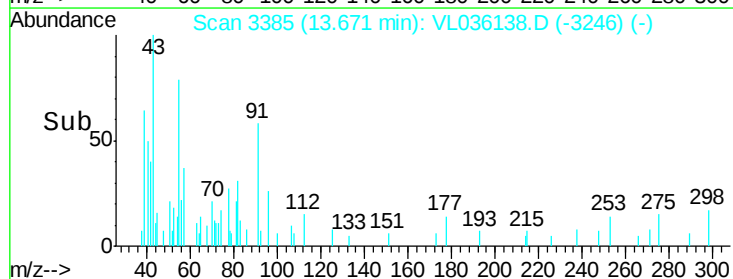
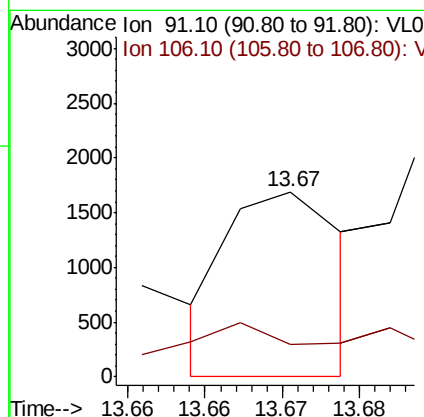
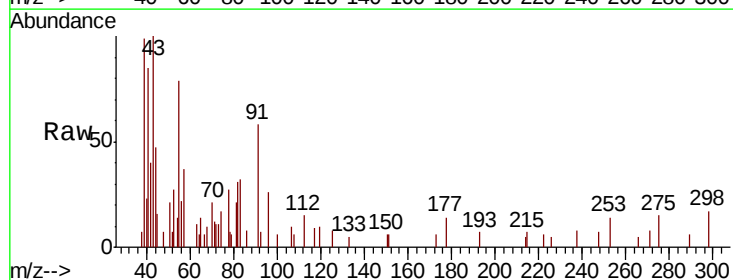
#59
m/p-Xylene
Concen: 0.003 ppbv
RT: 12.97 min Scan# 3168
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

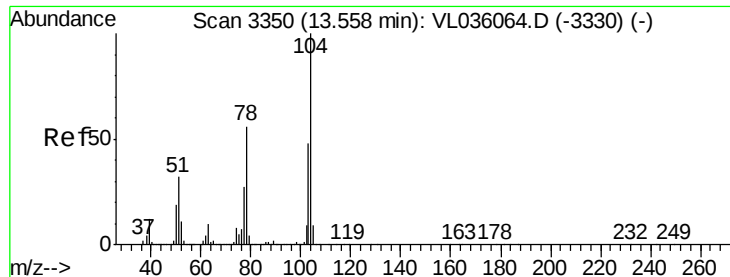
Tot Ion: 91 Resp: 836
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#



#60
o-Xylene
Concen: 0.003 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

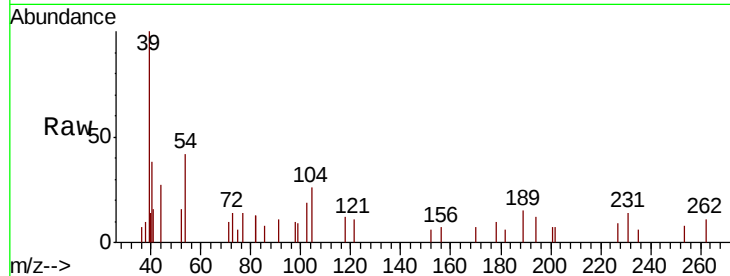
Tgt Ion: 91 Resp: 879
Ion Ratio Lower Upper
91 100
106 0.0 21.6 64.6#



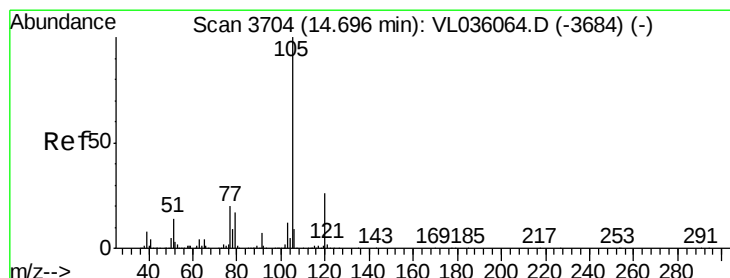
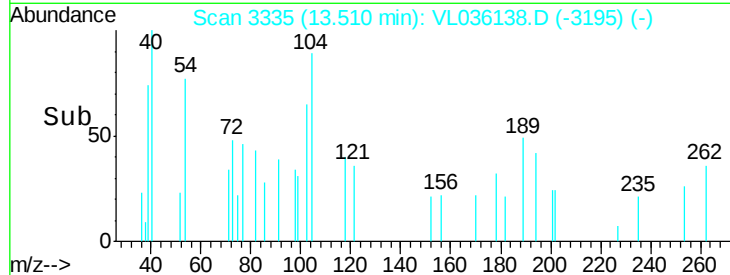
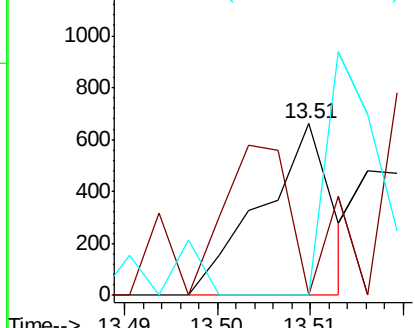


#61
Stvrene
Concen: 0.002 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tot Ion:104 Resp: 346
Ion Ratio Lower Upper
104 100
78 0.0 45.8 68.8#
103 132.7 38.6 57.8#

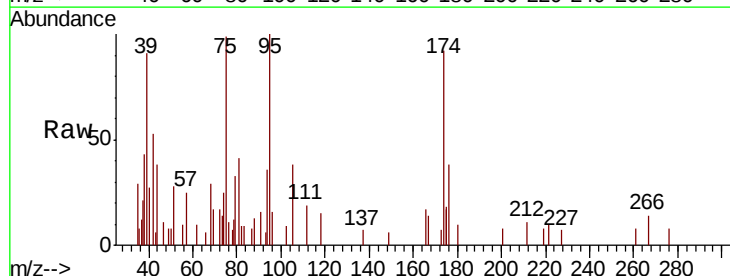


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

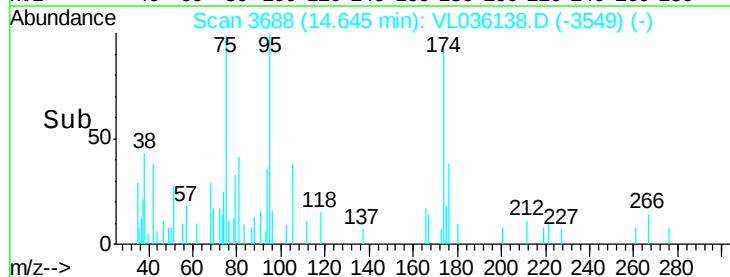
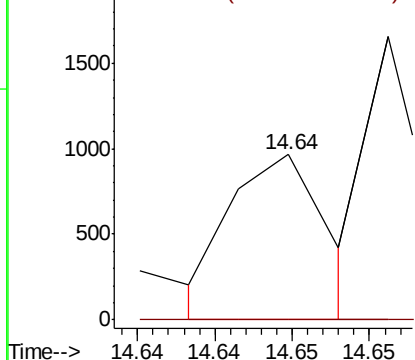


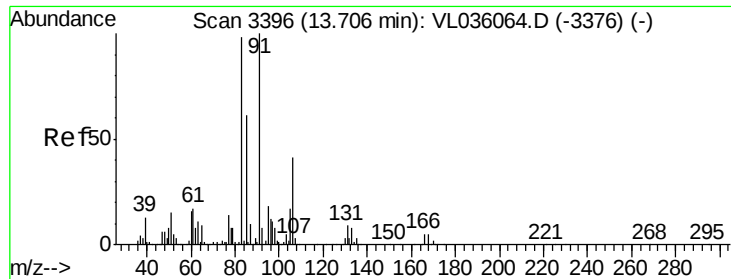
#62
Isopropylbenzene
Concen: 0.001 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion:105 Resp: 415
Ion Ratio Lower Upper
105 100
120 0.0 20.1 30.1#



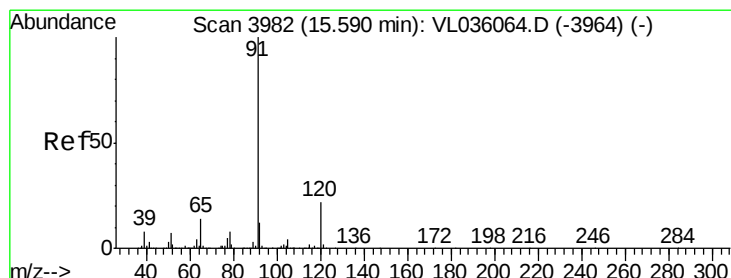
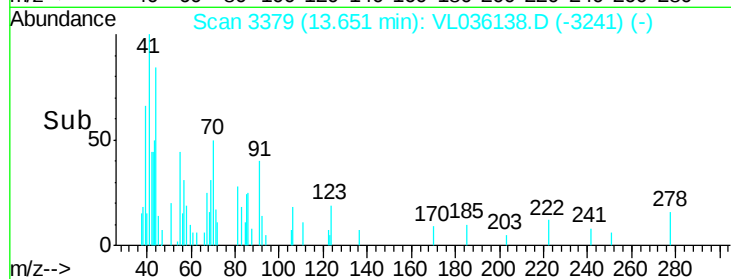
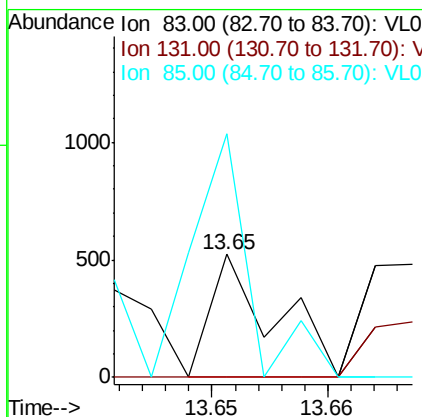
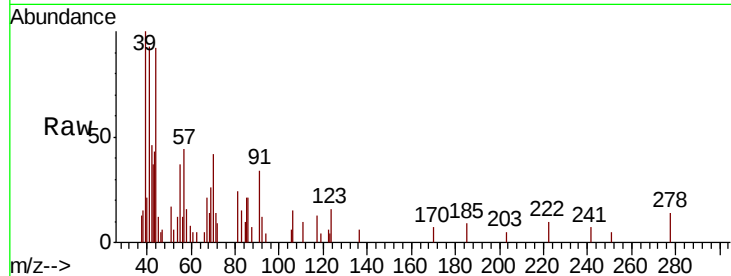
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V





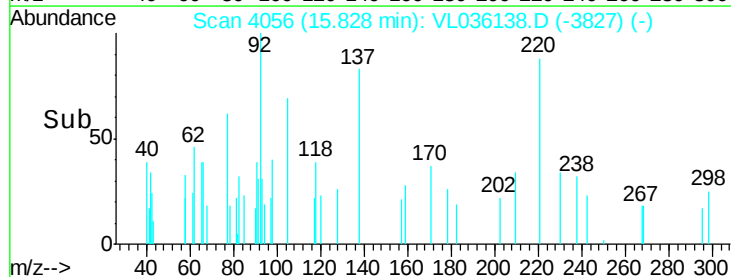
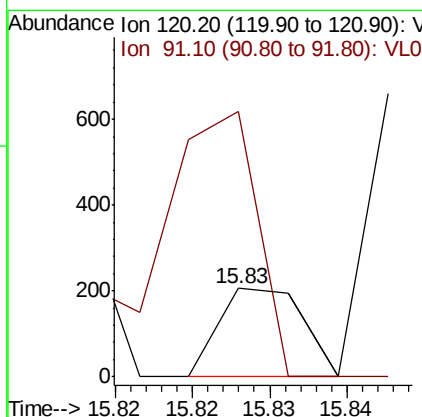
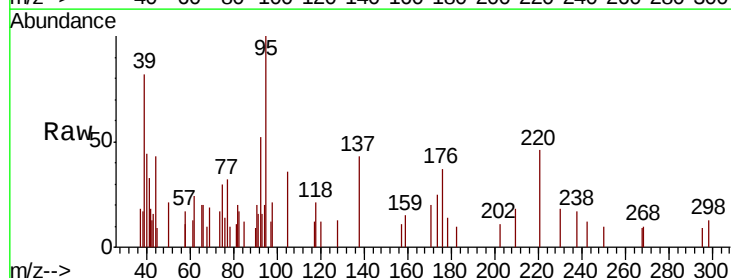
#63
 1,1,2,2-Tetrachloroethane
 Concen: 0.001 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.05 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

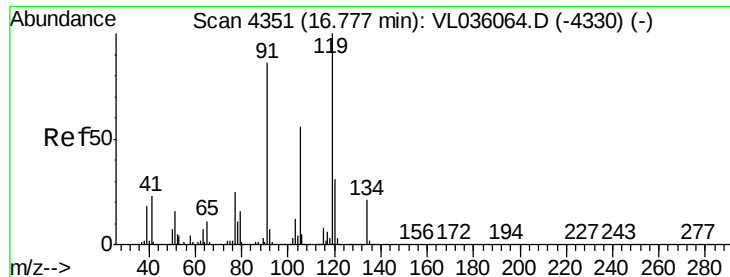
Tot Ion: 83 Resp: 199
 Ion Ratio Lower Upper
 83 100
 131 0.0 4.6 13.8#
 85 235.7 32.5 97.5#



#64
 n-propylbenzene
 Concen: 0.001 ppbv
 RT: 15.83 min Scan# 4056
 Delta R.T. 0.24 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tgt Ion: 120 Resp: 77
 Ion Ratio Lower Upper
 120 100
 91 518.2 388.9 583.3





#65

tert-Butylbenzene

Concen: 0.000 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.06 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

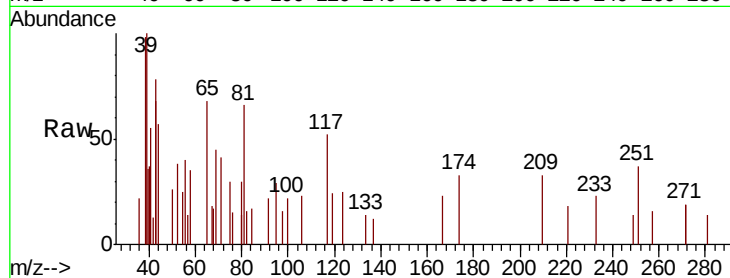
Tot Ion: 119 Resp: 139

Ion Ratio Lower Upper

119 100

91 0.0 70.2 105.2#

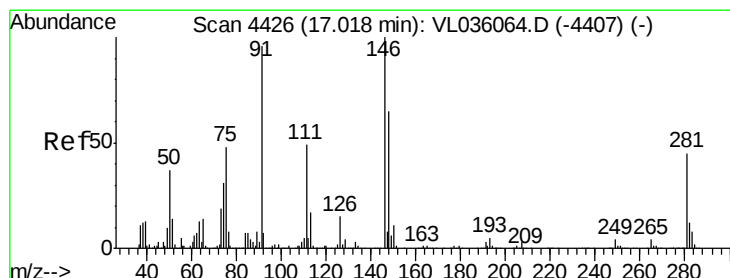
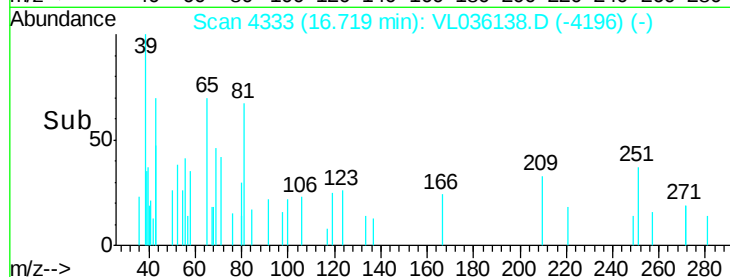
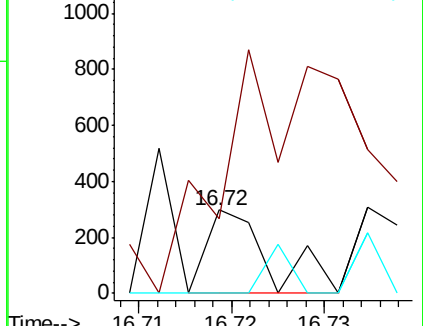
134 0.0 15.8 23.6#



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: 0.003 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

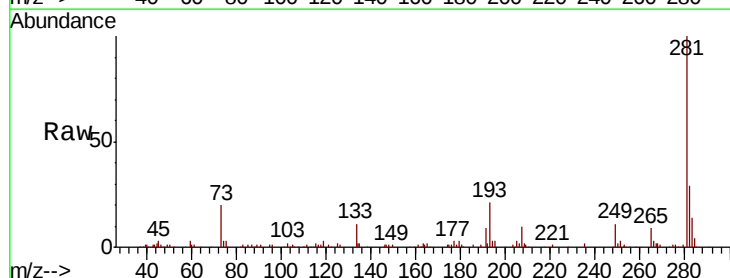
Tgt Ion: 91 Resp: 251

Ion Ratio Lower Upper

91 100

126 883.7 13.5 20.3#

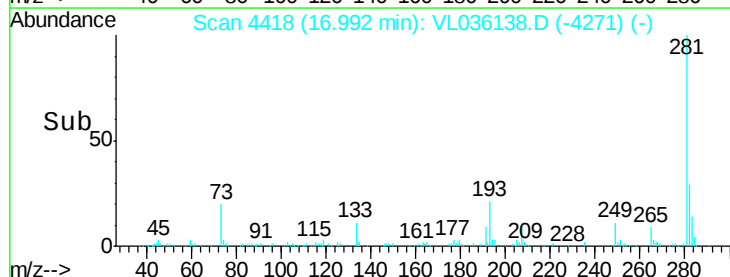
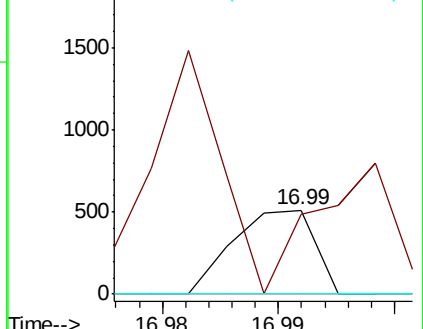
128 57.8 4.4 6.6#

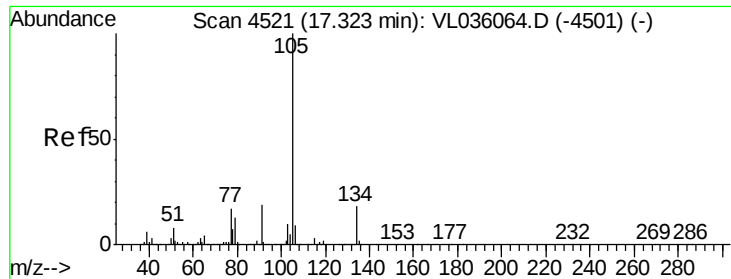


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 0.001 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.05 min

Lab File: VL036138.D

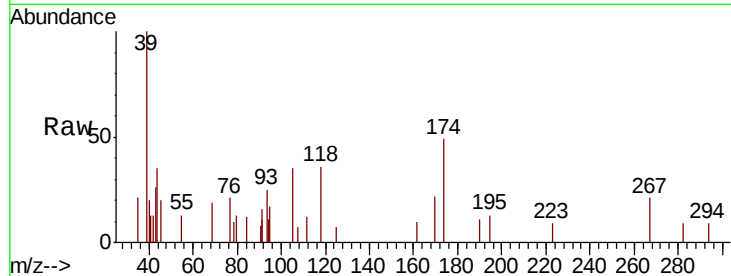
Acq: 10 Dec 2020 21:37

Tot Ion: 105 Resp: 586

Ion Ratio Lower Upper

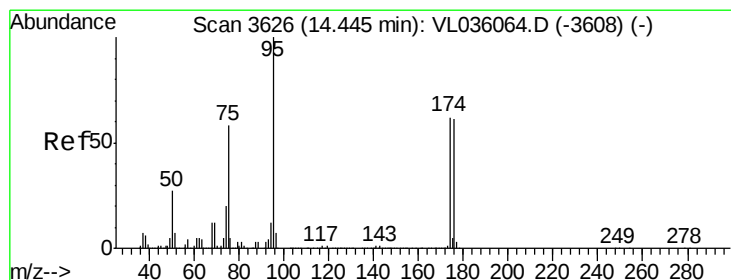
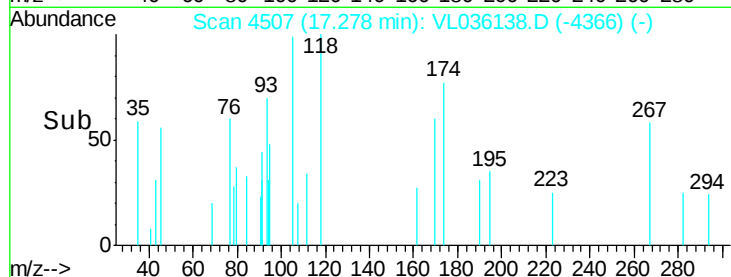
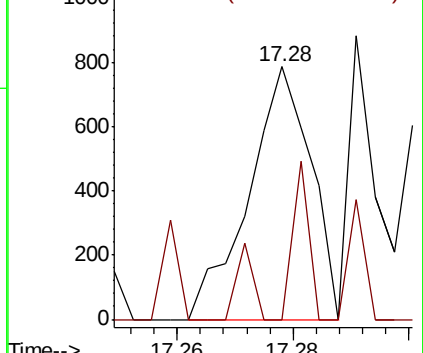
105 100

134 0.0 14.2 21.4#



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: 10.904 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

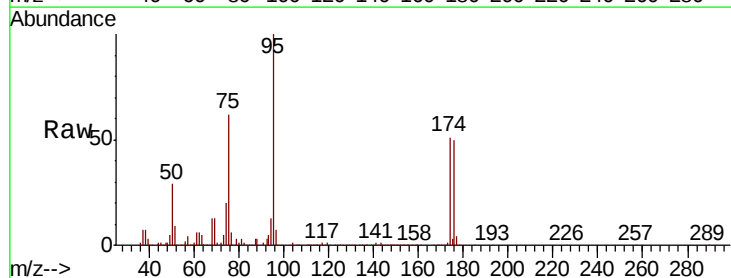
Tgt Ion: 95 Resp: 2074433

Ion Ratio Lower Upper

95 100

174 55.0 50.7 76.1

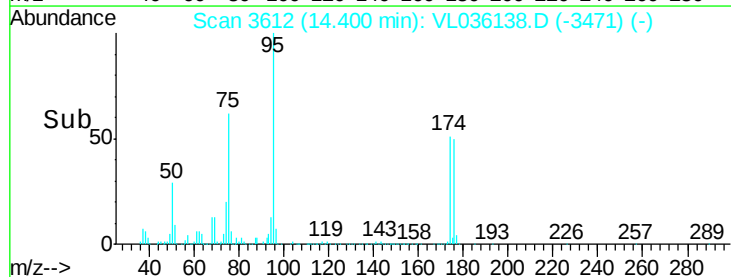
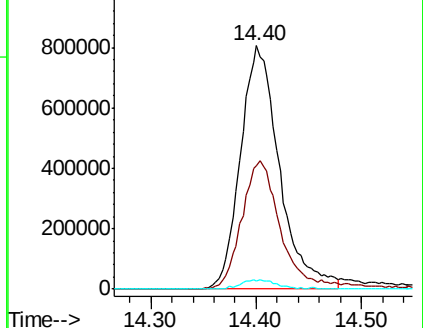
175 3.8 4.0 6.0#

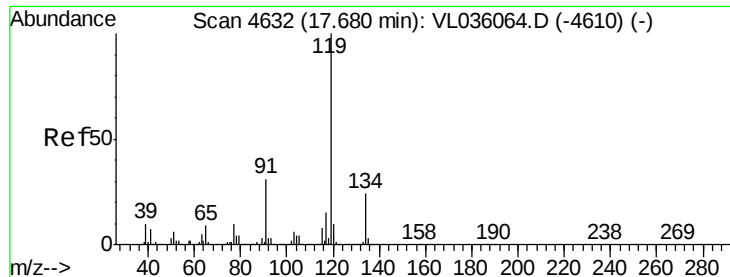


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

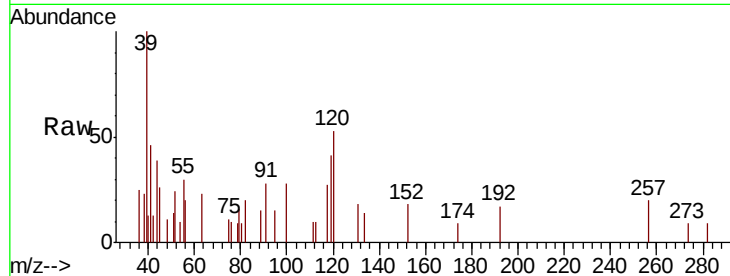
Ion 175.00 (174.70 to 175.70): V



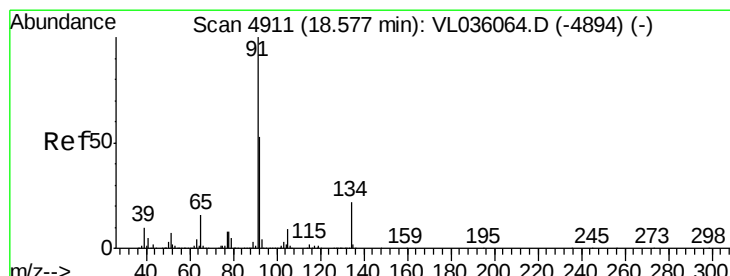
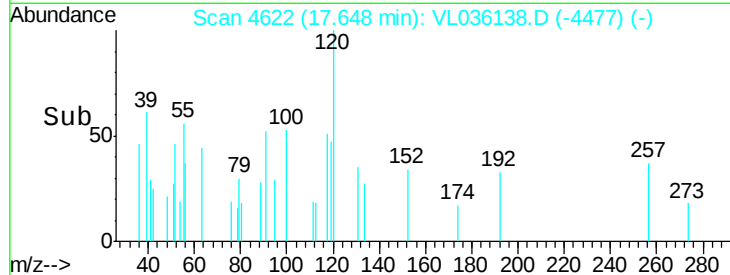
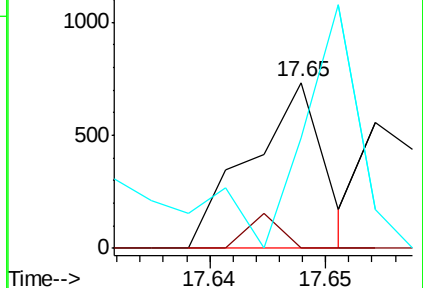


#69
 p-Isopropyltoluene
 Concen: 0.001 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. -0.03 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tot Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	0.0	25.8	38.6#

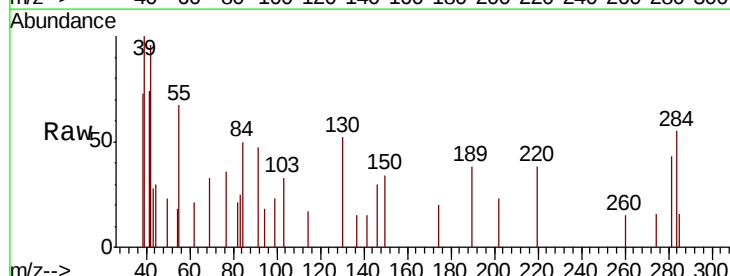


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

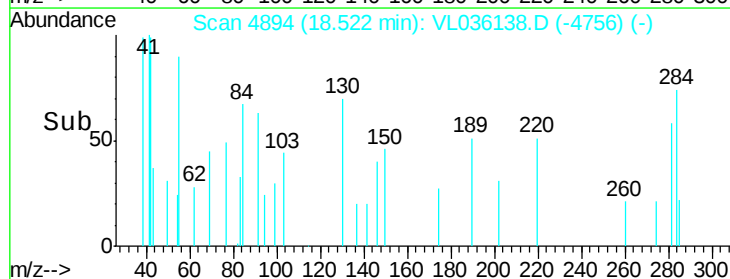
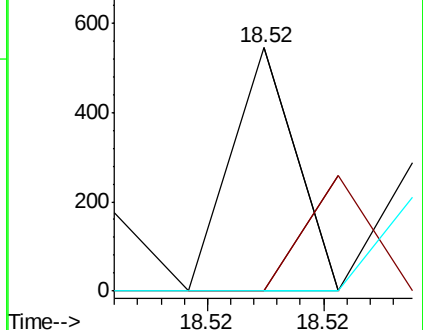


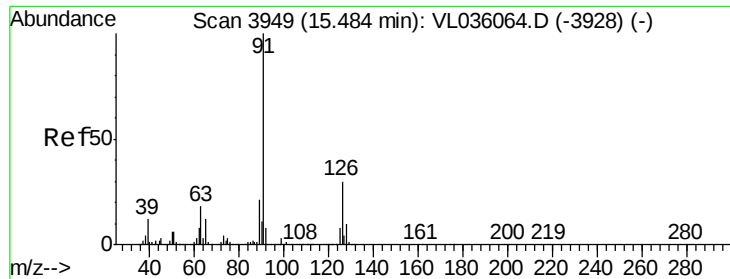
#70
 n-Butylbenzene
 Concen: 0.000 ppbv
 RT: 18.52 min Scan# 4894
 Delta R.T. -0.05 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.3	64.9#
134	0.0	17.1	25.7#



Abundance Ion 91.10 (90.80 to 91.80): V
 Ion 92.10 (91.80 to 92.80): V
 Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 0.002 ppbv

RT: 15.43 min Scan# 3931

Delta R.T. -0.06 min

Lab File: VL036138.D

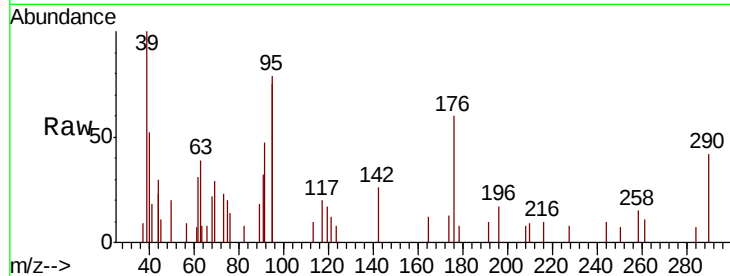
Acq: 10 Dec 2020 21:37

Tot Ion: 91 Resp: 476

Ion Ratio Lower Upper

91 100

126 39.3 11.6 46.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

1200

1000

800

600

400

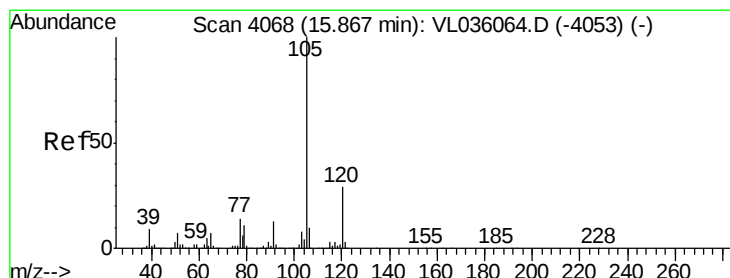
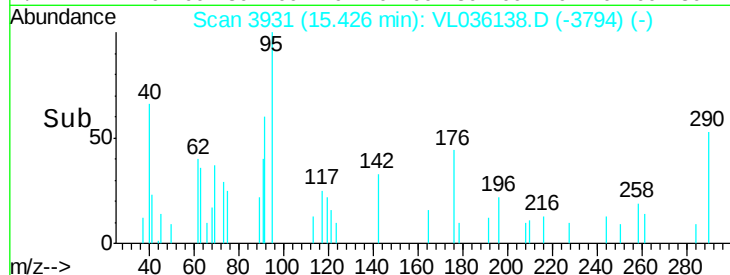
200

0

Time--> 15.41

15.42

15.43



#72

4-Ethyltoluene

Concen: 0.001 ppbv

RT: 15.82 min Scan# 4052

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

Tgt Ion: 105 Resp: 245

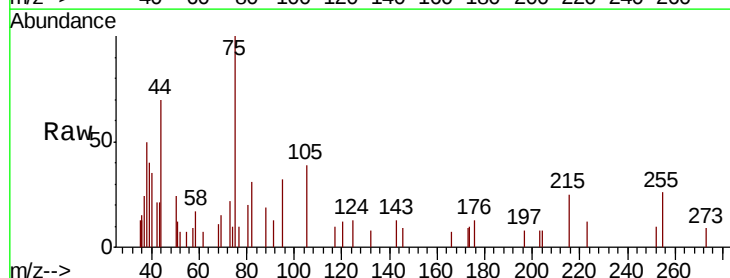
Ion Ratio Lower Upper

105 100

120 0.0 23.6 35.4#

91 0.0 11.4 17.0#

77 0.0 12.1 18.1#



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

1500

1000

500

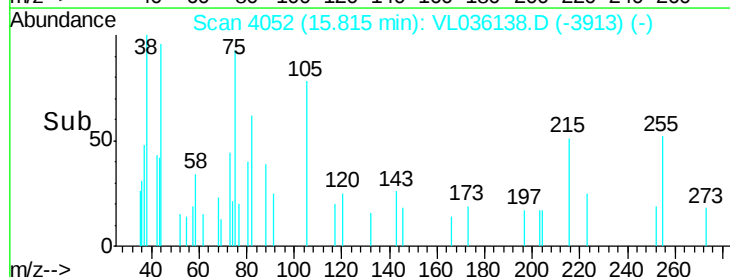
0

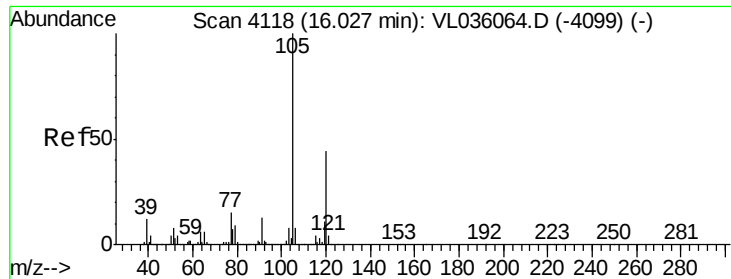
Time--> 15.81

15.81

15.82

15.82

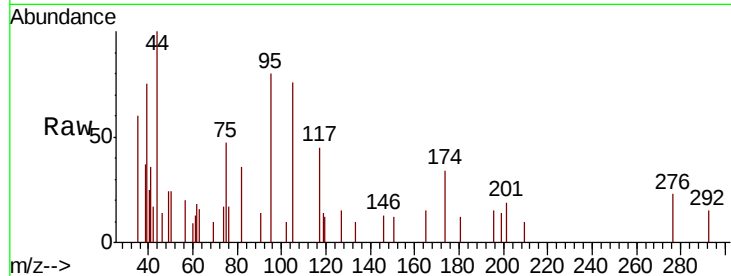




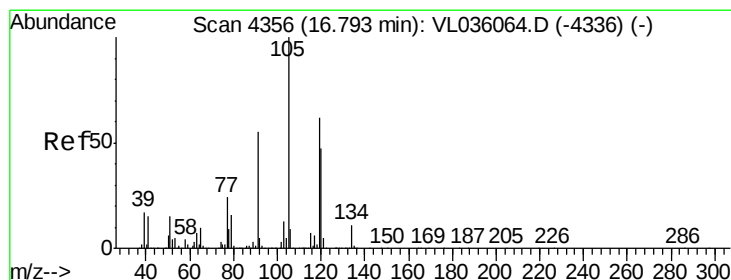
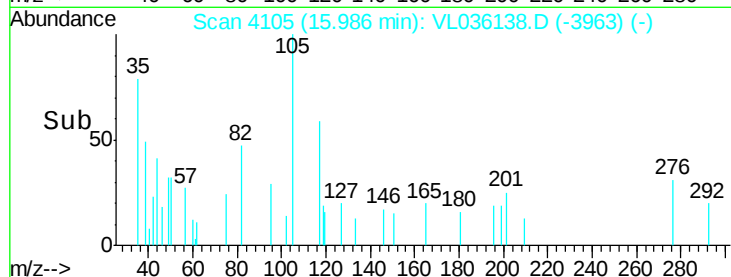
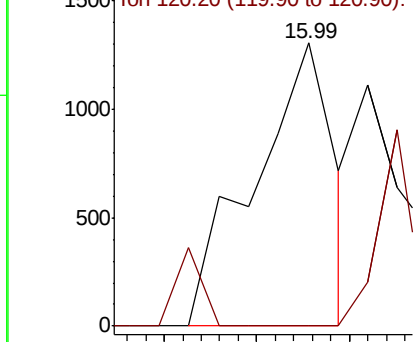
#73

1,3,5-Trimethylbenzene
Concen: 0.003 ppbv
RT: 15.99 min Scan# 4105
Delta R.T. -0.04 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tot Ion:105 Resp: 783
Ion Ratio Lower Upper
105 100
120 0.0 35.4 53.2#



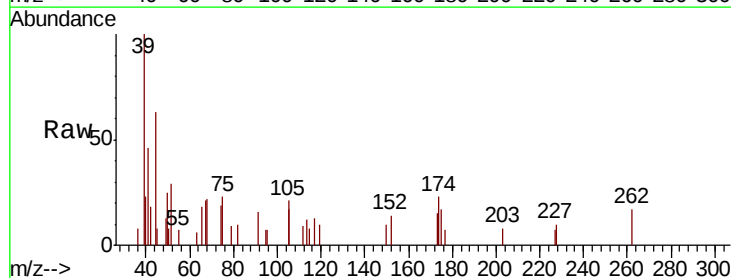
Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V



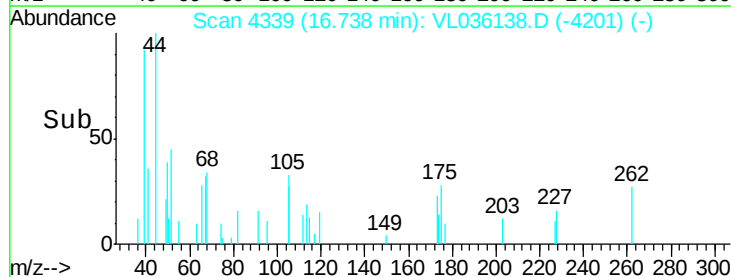
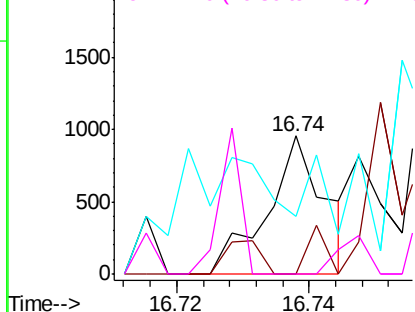
#74

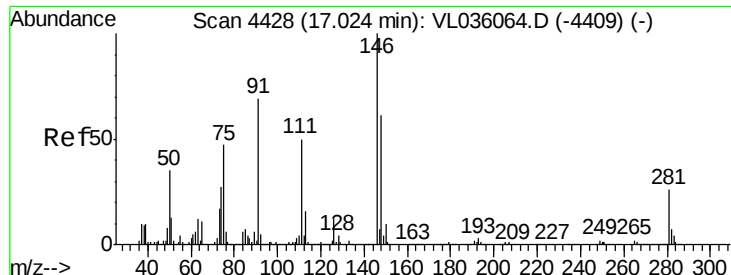
1,2,4-Trimethylbenzene
Concen: 0.002 ppbv
RT: 16.74 min Scan# 4339
Delta R.T. -0.05 min
Lab File: VL036138.D
Acq: 10 Dec 2020 21:37

Tgt Ion:105 Resp: 577
Ion Ratio Lower Upper
105 100
120 0.0 37.4 56.0#
91 13.1 45.6 68.4#
77 0.0 19.4 29.2#



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





#75

1,3-Dichlorobenzene

Concen: 0.005 ppbv

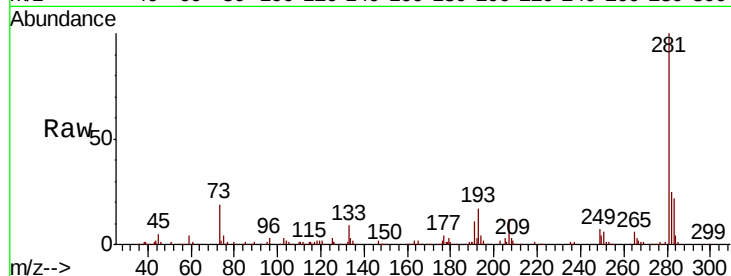
RT: 16.96 min Scan# 4409

Delta R.T. -0.06 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

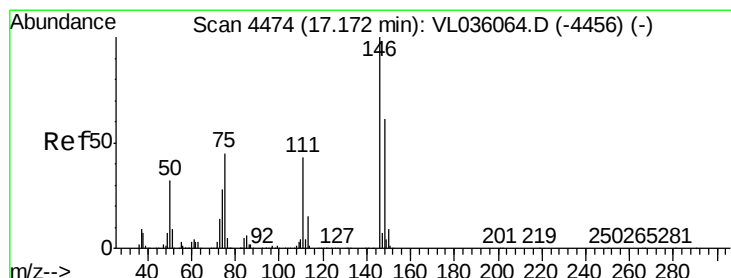
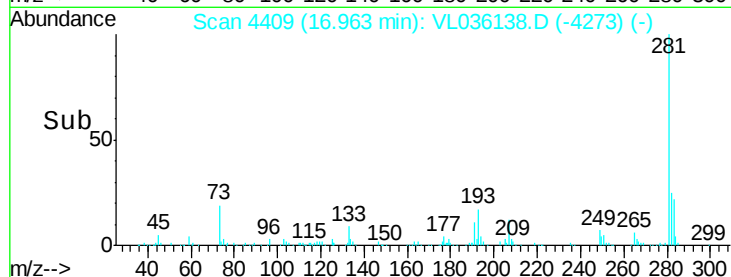
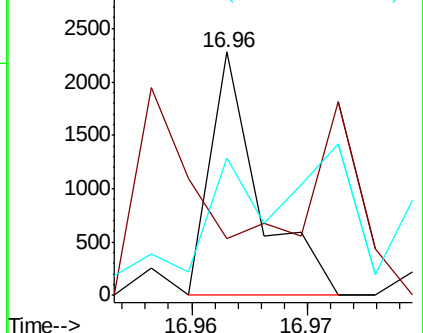
Tot Ion:146	Resp:	662
Ion Ratio	Lower	Upper
146	100	
111	0.0	25.1 75.3#
148	334.0	32.9 98.6#



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.003 ppbv

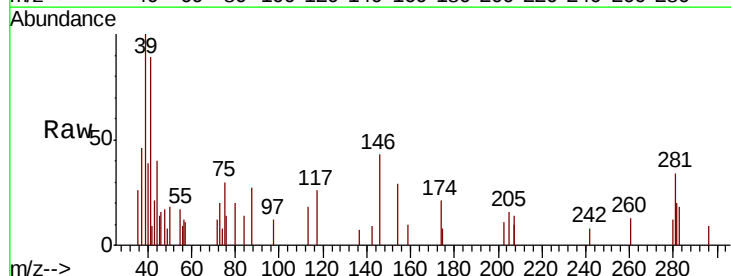
RT: 17.12 min Scan# 4458

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

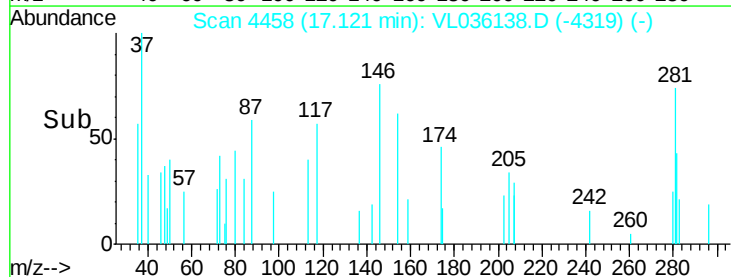
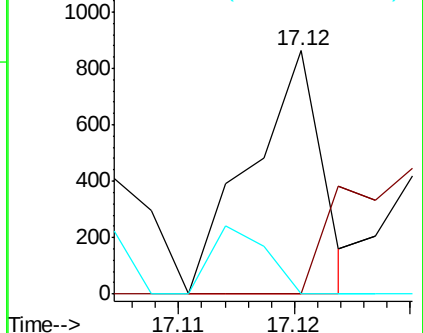
Tgt Ion:146	Resp:	366
Ion Ratio	Lower	Upper
146	100	
111	0.0	24.3 72.8#
148	0.0	32.8 98.3#

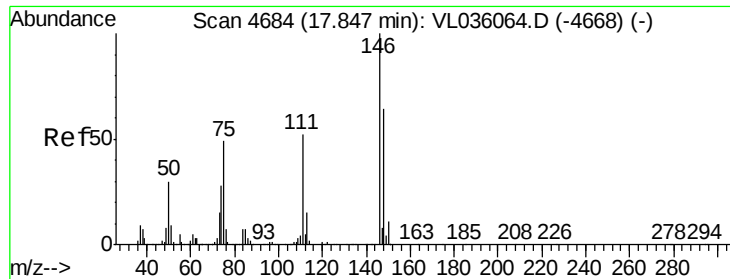


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

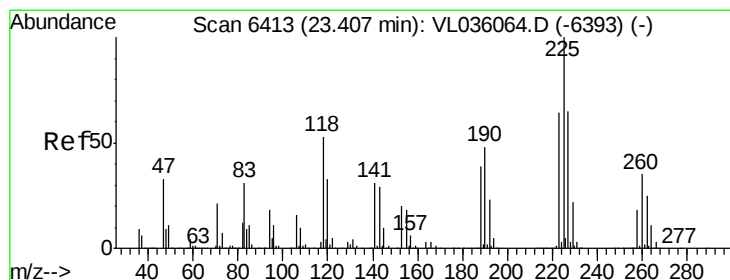
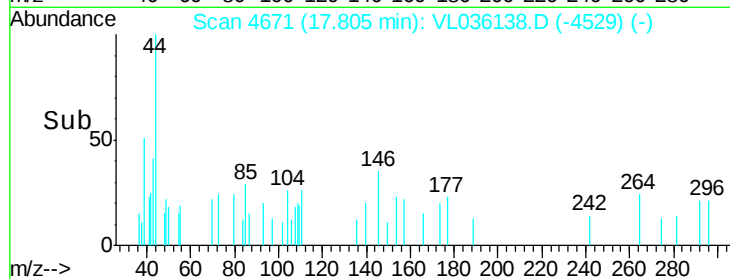
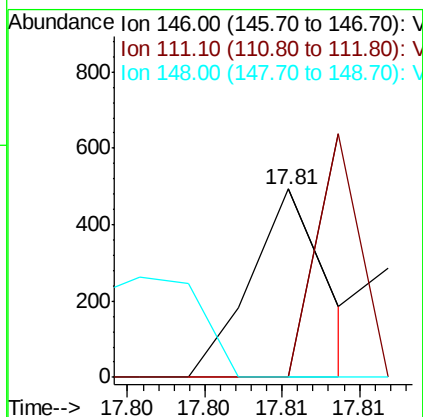
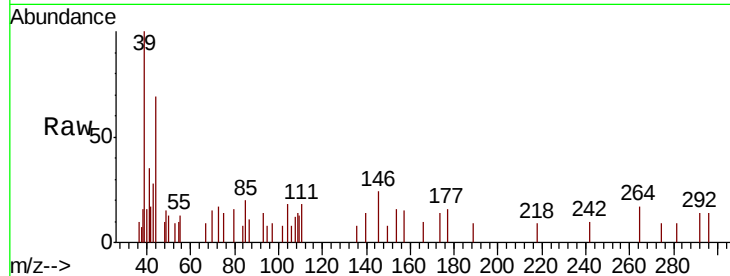
Ion 148.00 (147.70 to 148.70): V





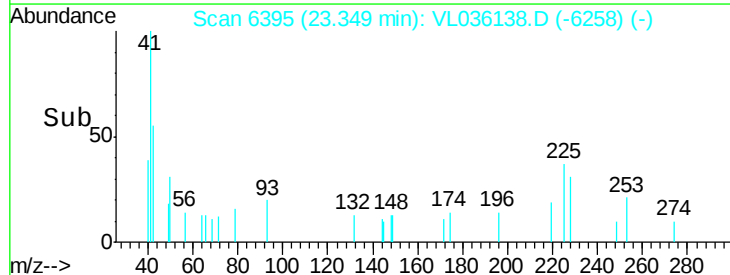
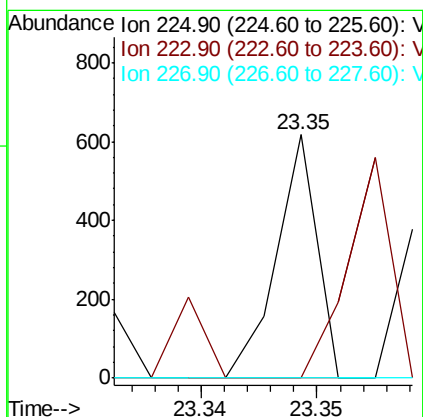
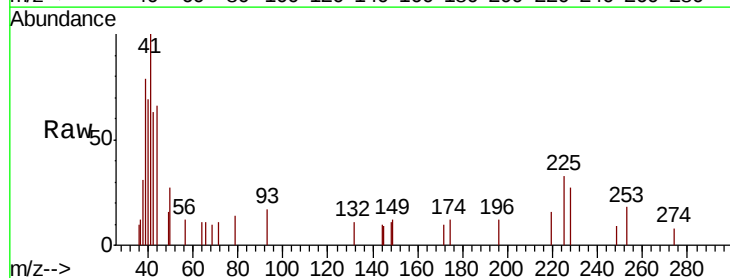
#77
 1,2-Dichlorobenzene
 Concen: 0.001 ppbv
 RT: 17.81 min Scan# 4671
 Delta R.T. -0.04 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

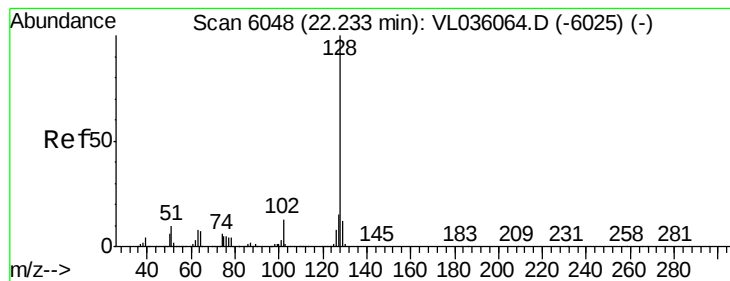
Tot Ion	Ratio	Lower	Upper
146	100		
111	0.0	26.1	78.2#
148	280.1	33.1	99.5#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.001 ppbv
 RT: 23.35 min Scan# 6395
 Delta R.T. -0.06 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tgt Ion	Ratio	Lower	Upper
225	100		
223	122.7	51.1	76.7#
227	0.0	51.7	77.5#





#79

Naphthalene

Concen: 0.001 ppbv

RT: 22.21 min Scan# 6040

Delta R.T. -0.03 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

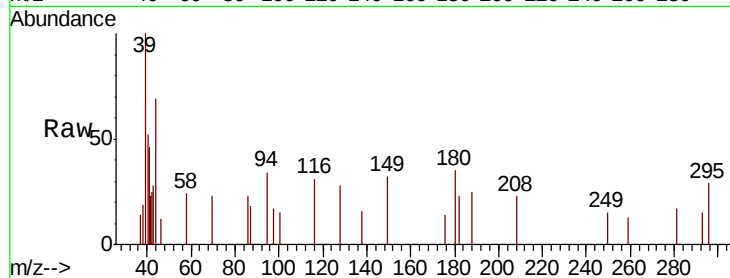
Tot Ion:128 Resp: 98

Ion Ratio Lower Upper

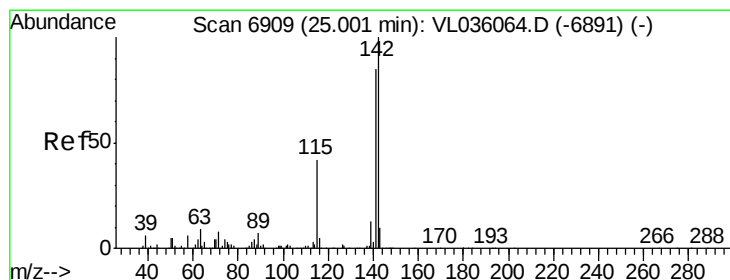
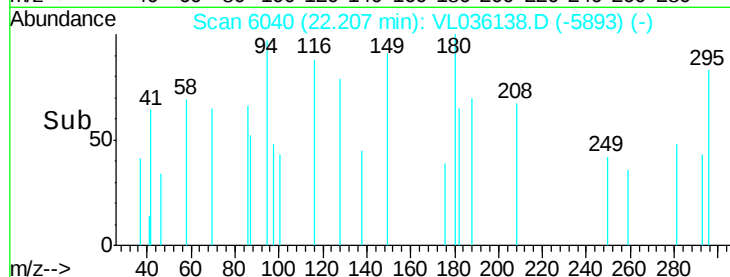
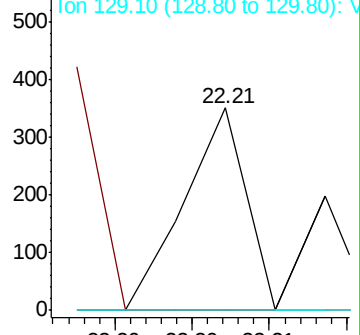
128 100

127 0.0 11.7 17.5#

129 0.0 9.3 13.9#



Abundance Ion 128.10 (127.80 to 128.80): V



#80

Naphthalene, 2-methyl-

Concen: 0.001 ppbv

RT: 24.95 min Scan# 6892

Delta R.T. -0.05 min

Lab File: VL036138.D

Acq: 10 Dec 2020 21:37

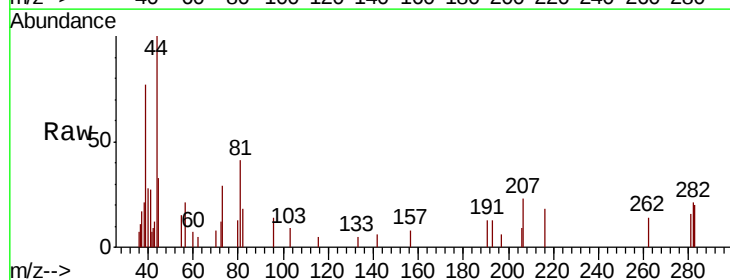
Tgt Ion:142 Resp: 34

Ion Ratio Lower Upper

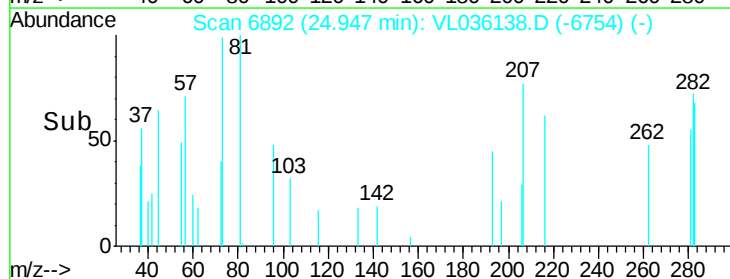
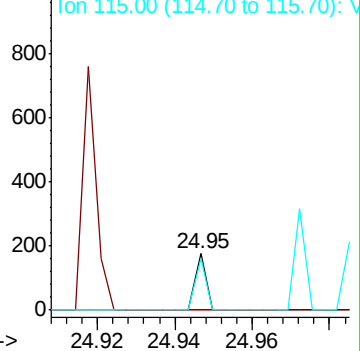
142 100

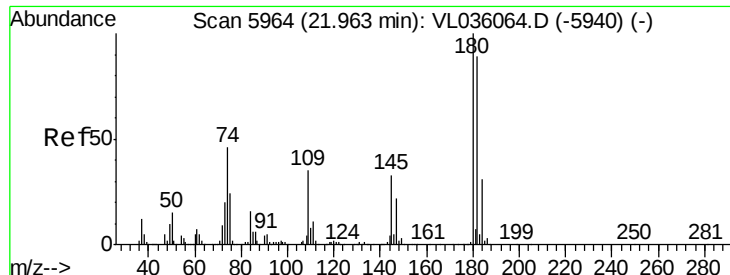
141 520.6 64.3 96.5#

115 91.2 33.9 50.9#



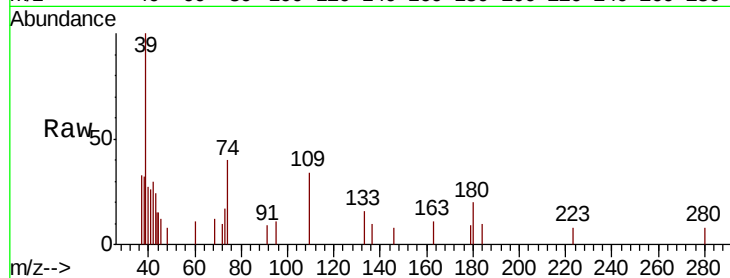
Abundance Ion 142.00 (141.70 to 142.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.001 ppbv
 RT: 21.91 min Scan# 5949
 Delta R.T. -0.05 min
 Lab File: VL036138.D
 Acq: 10 Dec 2020 21:37

Tot Ion:	180	Resp:	133
Ion	Ratio	Lower	Upper
180	100		
182	0.0	0.0	0.0
184	0.0	0.0	0.0



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

