

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036132.D
 Acq On : 10 Dec 2020 15:50
 Operator : SY/AP
 Sample : VL1210ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 03:47:54 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	1361373	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.17	114	2801009	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.08	117	2489700	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2121638	10.73	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.30%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	243	0.002 ppbv	# 42
3) Chlorodifluoromethane	2.98	51	154	0.001 ppbv	# 1
4) Chloromethane	3.13	50	232	0.003 ppbv	# 68
5) Vinyl Chloride	3.25	62	146	0.002 ppbv	# 44
6) Bromomethane	3.49	94	78	0.002 ppbv	# 71
7) Chloroethane	3.41	64	47	0.002 ppbv	# 40
8) Dichlorotetrafluoroethane	3.17	85	221	0.001 ppbv	# 16
9) Propene	2.94	41	236	0.003 ppbv	# 89
10) Heptane	8.11	43	422	0.002 ppbv	# 29
11) Trichlorofluoromethane	3.95	101	76	0.000 ppbv	# 83
12) 1,1,2-Trichlorotrifluoroet	4.49	101	63	0.000 ppbv	# 69
13) Ethanol	3.60	45	217	0.020 ppbv	# 79
14) Bromoethene	3.72	108	63	0.001 ppbv	# 1
15) Acetone	3.86	43	35414m	0.216 ppbv	
16) 1,3-Butadiene	3.32	39	209	0.003 ppbv	# 11
17) tert-Butyl alcohol	4.30	59	235	0.001 ppbv	# 71
18) 1,1-Dichloroethene	4.29	96	33	0.001 ppbv	# 4
19) Isopropyl Alcohol	3.98	45	504	0.005 ppbv	# 100
21) Allyl Chloride	4.39	41	187	0.002 ppbv	# 18
22) trans-1,2-Dichloroethene	4.88	96	396	0.007 ppbv	# 1
23) Vinyl Acetate	5.06	43	2064	0.009 ppbv	# 79
24) 1,1-Dichloroethane	4.99	63	426	0.003 ppbv	# 88
25) Ethyl Acetate	5.66	43	500	0.002 ppbv	# 75
26) Hexane	5.68	57	365	0.002 ppbv	# 1
27) Carbon Disulfide	4.55	76	234	0.002 ppbv	# 59
28) Methyl tert-Butyl Ether	5.04	73	186	0.001 ppbv	# 51
29) Chloroform	5.74	83	682	0.004 ppbv	# 51
30) Cyclohexane	7.11	84	101	0.001 ppbv	# 1
31) cis-1,2-Dichloroethene	5.54	61	559	0.004 ppbv	# 27
32) 1,1,1-Trichloroethane	6.50	97	68	0.000 ppbv	# 1
34) 2-Butanone	5.24	43	1020	0.005 ppbv	# 56
35) Carbon Tetrachloride	6.97	117	65	0.000 ppbv	# 13
36) Benzene	6.90	78	267	0.001 ppbv	# 94
37) 1,2-Dichloroethane	6.30	62	776	0.006 ppbv	# 50
38) Trichloroethene	7.82	130	347	0.004 ppbv	# 58
40) 1,4-Dioxane	7.85	88	228	0.008 ppbv	# 1
41) Tetrahydrofuran	6.04	42	224	0.002 ppbv	# 40
42) Bromodichloromethane	7.78	83	307	0.002 ppbv	# 25
43) Methyl Methacrylate	8.00	69	170	0.002 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.86	57	666	0.002 ppbv	# 41
45) t-1,3-Dichloropropene	9.19	75	333	0.003 ppbv	# 97

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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

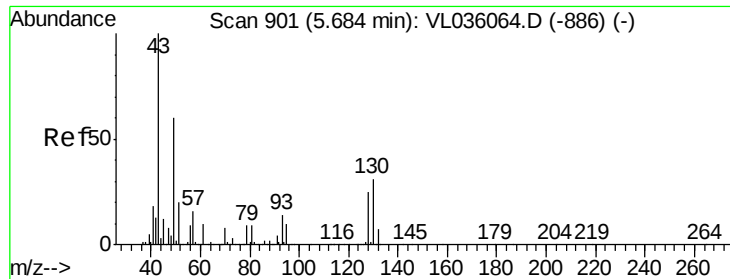
QLast Update : Mon Dec 07 16:56:49 2020

Response via : Initial Calibration

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

46) cis-1,3-Dichloropropene	8.68	75	112	0.001	ppbv #	28
47) 1,1,2-Trichloroethane	9.46	97	161	0.002	ppbv #	14
48) Dibromochloromethane	10.65	129	34	0.000	ppbv	81
49) Bromoform	13.02	173	64	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.71	43	39	0.000	ppbv #	40
51) 2-Hexanone	10.17	43	768	0.004	ppbv #	1
52) Tetrachloroethene	11.28	164	149	0.002	ppbv #	1
53) Toluene	9.38	91	142	0.001	ppbv	94
54) 1,2-Dibromoethane	10.60	107	165	0.001	ppbv	83
56) 1,1,1,2-Tetrachloroethane	12.15	131	70	0.001	ppbv #	8
57) Chlorobenzene	12.13	112	632	0.004	ppbv #	53
58) Ethyl Benzene	12.72	91	533	0.002	ppbv	99
59) m/p-Xylene	12.98	91	265	0.001	ppbv #	1
60) o-Xylene	13.70	91	382	0.001	ppbv	75
61) Styrene	13.52	104	152	0.001	ppbv #	1
62) Isopropylbenzene	14.40	105	577	0.001	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.94	83	505	0.003	ppbv	66
64) n-propylbenzene	15.76	120	97	0.001	ppbv	65
65) tert-Butylbenzene	16.73	119	830	0.003	ppbv #	20
66) Benzyl Chloride	16.98	91	166	0.002	ppbv #	1
67) sec-Butylbenzene	17.27	105	273	0.001	ppbv #	60
69) p-Isopropyltoluene	17.63	119	103	0.000	ppbv #	46
70) n-Butylbenzene	18.52	91	95	0.000	ppbv #	33
71) 2-Chlorotoluene	15.56	91	746	0.002	ppbv	76
72) 4-Ethyltoluene	15.82	105	221	0.001	ppbv #	55
73) 1,3,5-Trimethylbenzene	15.98	105	454	0.002	ppbv #	76
74) 1,2,4-Trimethylbenzene	16.75	105	1006	0.004	ppbv #	50
75) 1,3-Dichlorobenzene	16.98	146	86	0.001	ppbv #	1
76) 1,4-Dichlorobenzene	17.13	146	776	0.005	ppbv #	58
77) 1,2-Dichlorobenzene	17.82	146	635	0.005	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.34	225	112	0.001	ppbv #	18
79) Naphthalene	22.20	128	166	0.001	ppbv #	1
80) Naphthalene,2-methyl-	24.93	142	329	0.010	ppbv #	41
81) 1,2,4-Trichlorobenzene	21.93	180	173	0.002	ppbv #	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

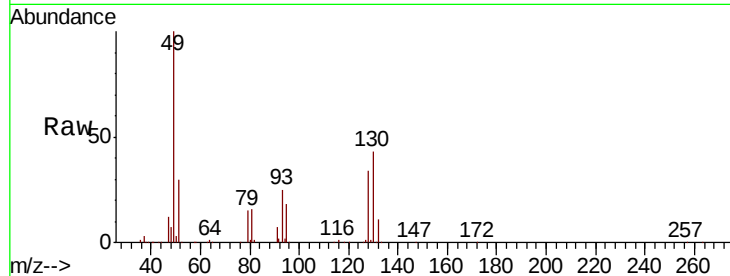
Tot Ion: 49 Resp: 1361373

Ion Ratio Lower Upper

49 100

128 35.4 21.1 63.1

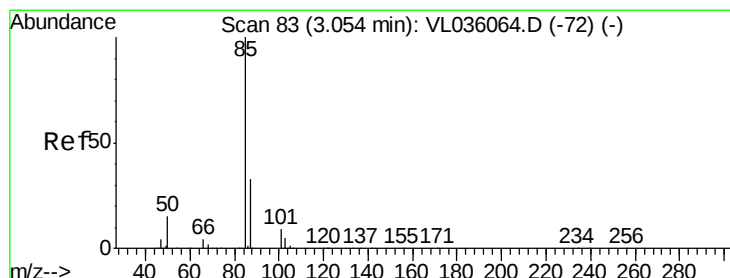
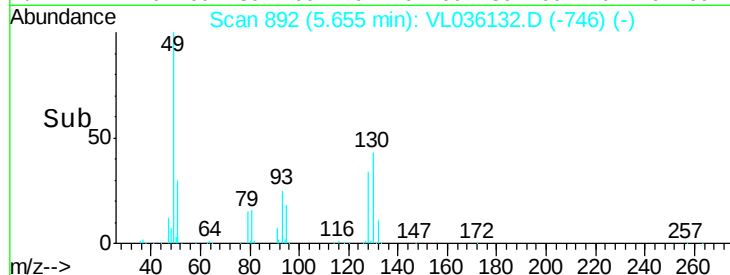
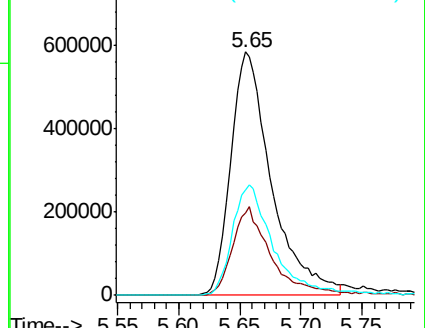
130 47.1 27.1 81.3



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: 0.002 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL036132.D

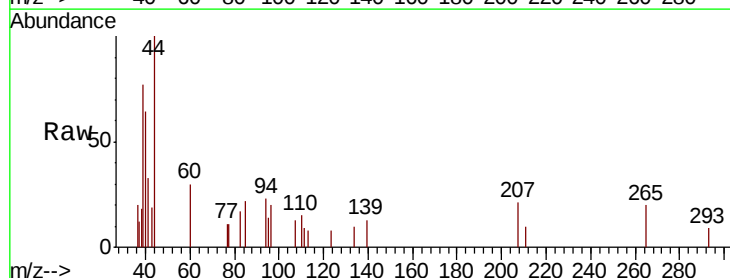
Acq: 10 Dec 2020 15:50

Tgt Ion: 85 Resp: 243

Ion Ratio Lower Upper

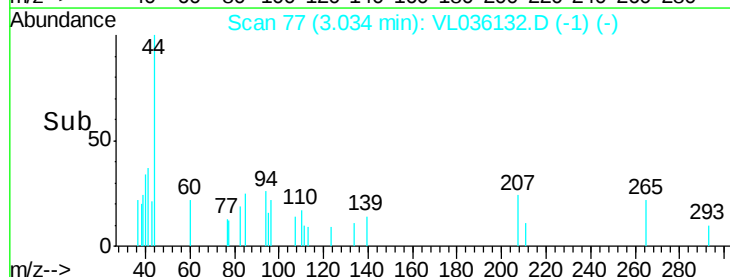
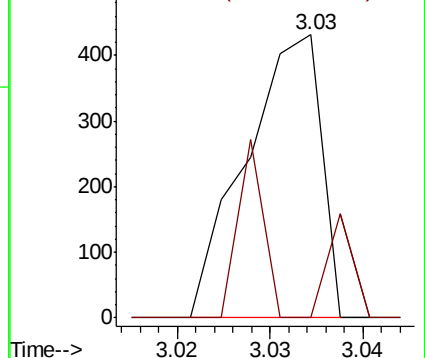
85 100

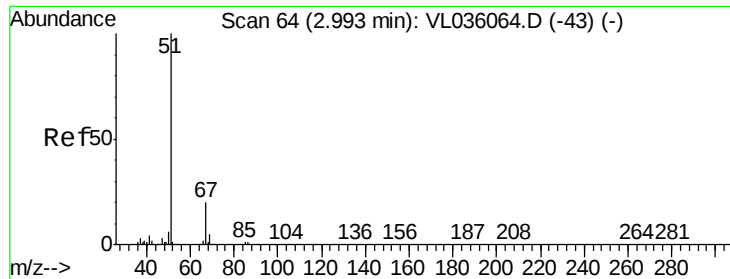
87 0.0 26.5 39.7#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.001 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.02 min

Lab File: VL036132.D

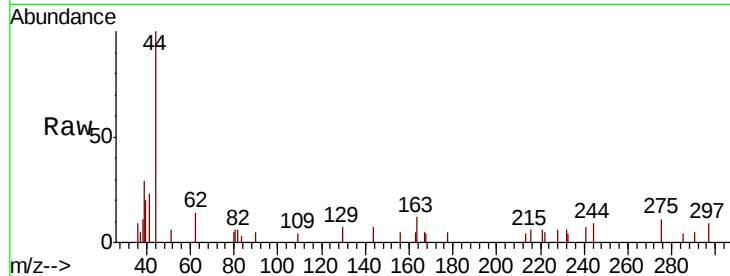
Acq: 10 Dec 2020 15:50

Tot Ion: 51 Resp: 154

Ion Ratio Lower Upper

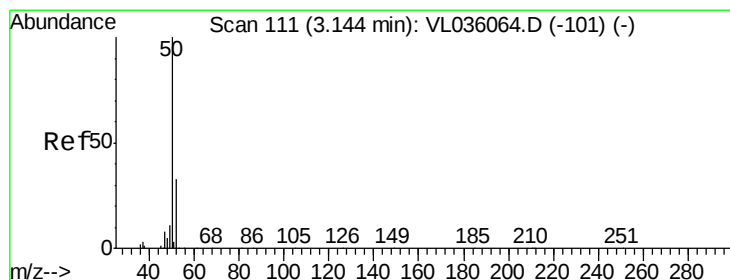
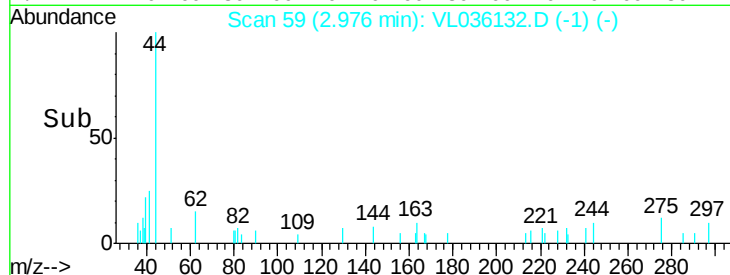
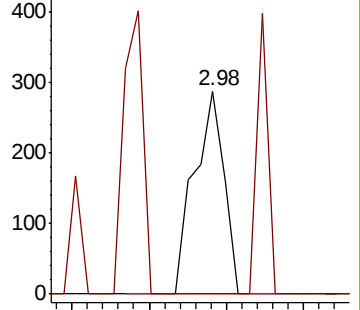
51 100

67 111.7 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: 0.003 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL036132.D

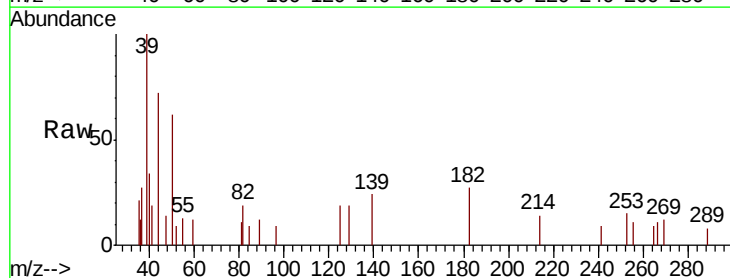
Acq: 10 Dec 2020 15:50

Tgt Ion: 50 Resp: 232

Ion Ratio Lower Upper

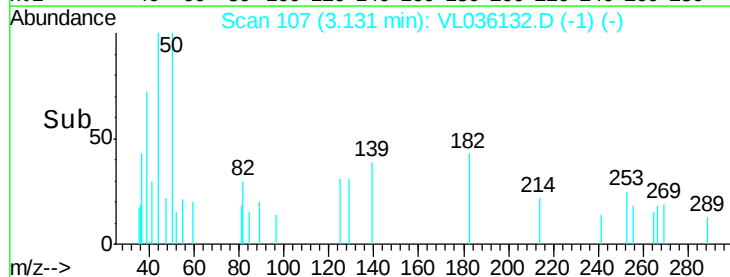
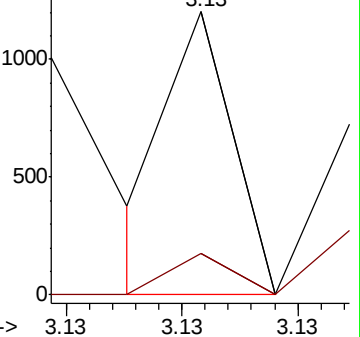
50 100

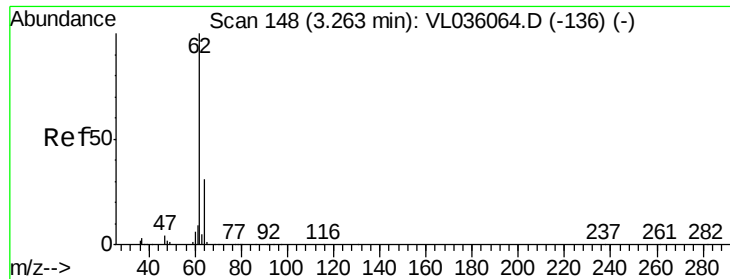
52 14.6 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL036132.D

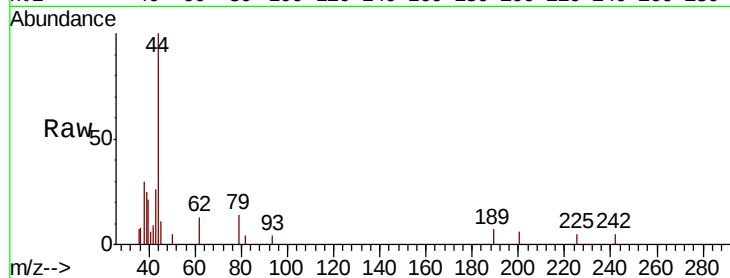
Acq: 10 Dec 2020 15:50

Tot Ion: 62 Resp: 146

Ion Ratio Lower Upper

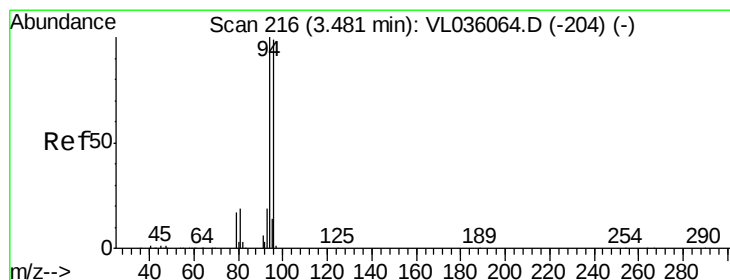
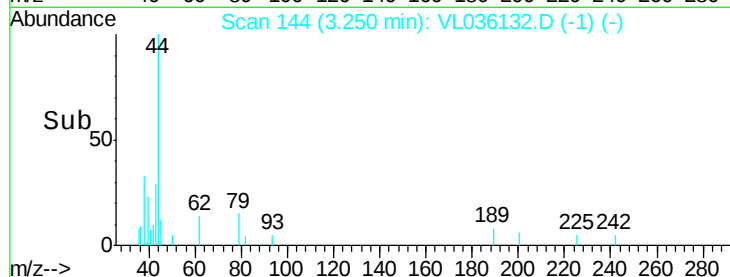
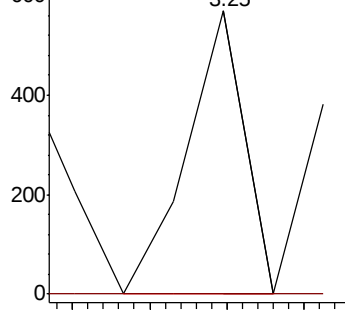
62 100

64 0.0 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: 0.002 ppbv

RT: 3.49 min Scan# 220

Delta R.T. 0.01 min

Lab File: VL036132.D

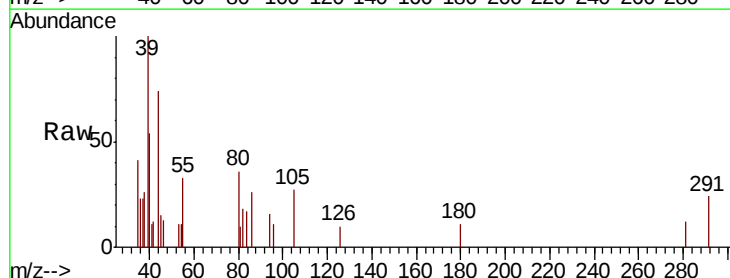
Acq: 10 Dec 2020 15:50

Tgt Ion: 94 Resp: 78

Ion Ratio Lower Upper

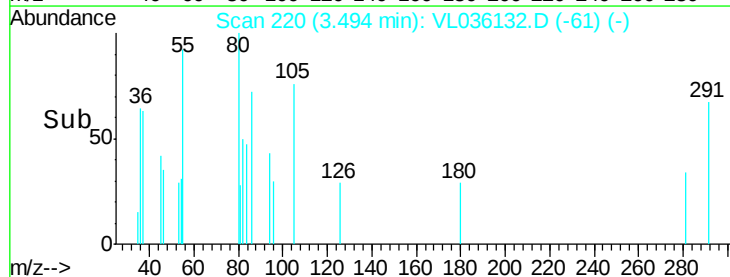
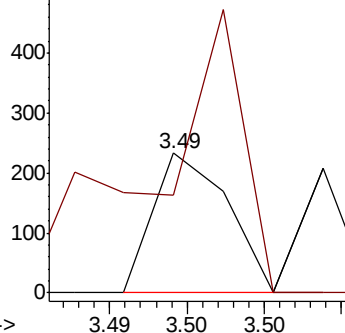
94 100

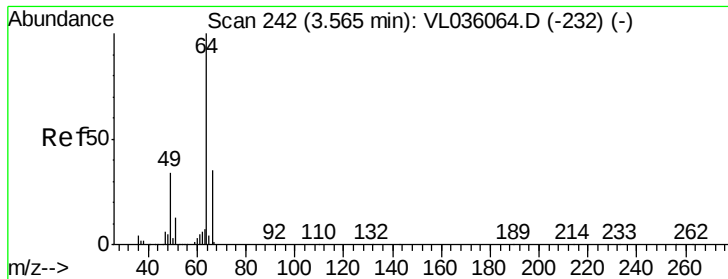
96 70.0 79.4 119.0#



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: 3.41 min Scan# 195

Delta R.T. -0.15 min

Lab File: VL036132.D

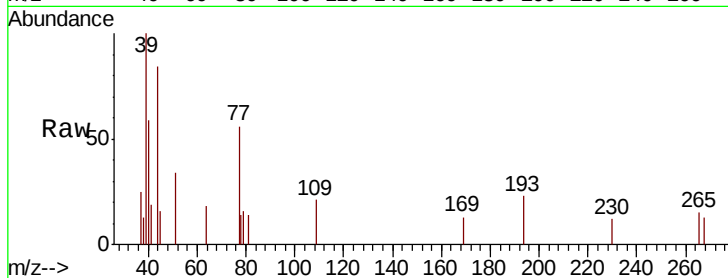
Acq: 10 Dec 2020 15:50

Tot Ion: 64 Resp: 47

Ion Ratio Lower Upper

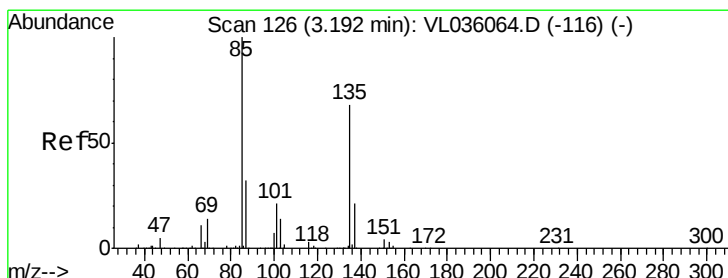
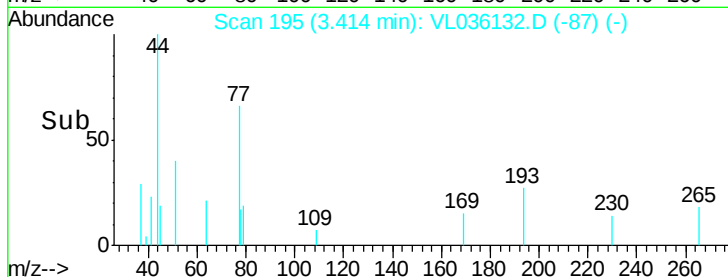
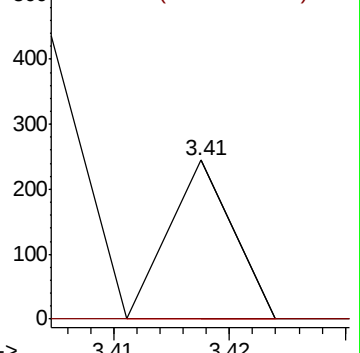
64 100

66 0.0 27.7 41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.001 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL036132.D

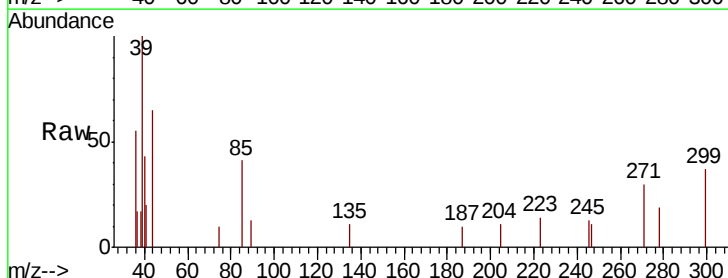
Acq: 10 Dec 2020 15:50

Tgt Ion: 85 Resp: 221

Ion Ratio Lower Upper

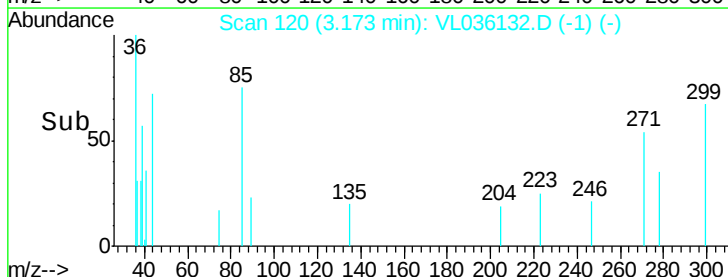
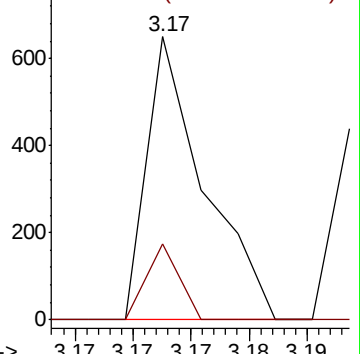
85 100

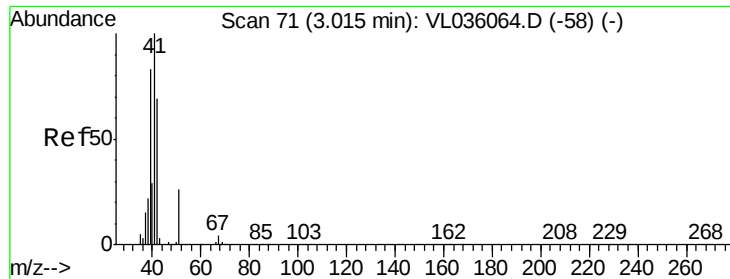
135 0.0 53.8 80.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.003 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.07 min

Lab File: VL036132.D

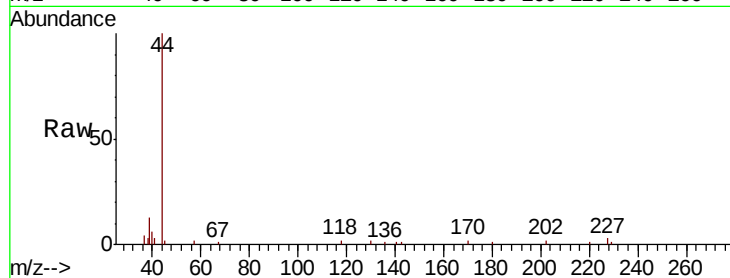
Acq: 10 Dec 2020 15:50

Tot Ion: 41 Resp: 236

Ion Ratio Lower Upper

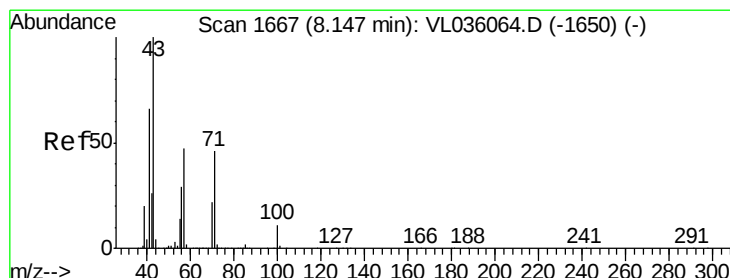
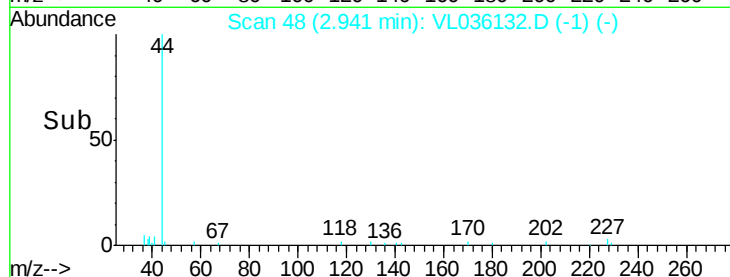
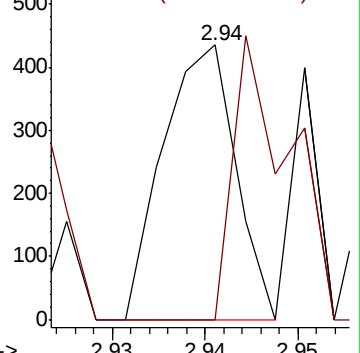
41 100

42 80.1 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: 0.002 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. -0.04 min

Lab File: VL036132.D

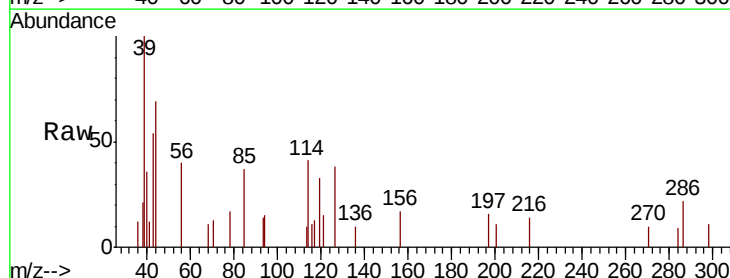
Acq: 10 Dec 2020 15:50

Tgt Ion: 43 Resp: 422

Ion Ratio Lower Upper

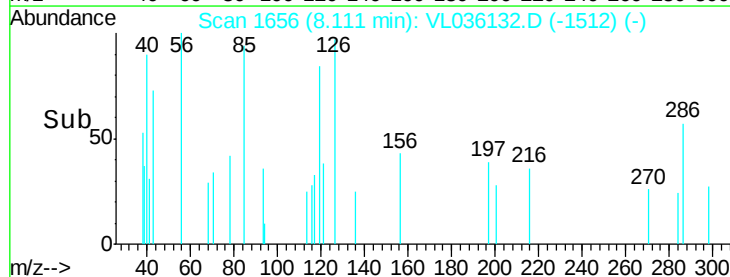
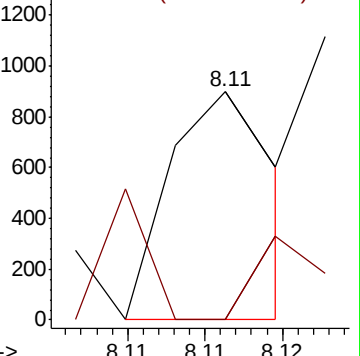
43 100

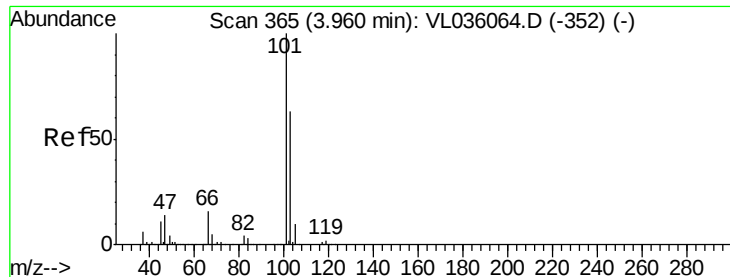
57 0.0 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#11

Trichlorofluoromethane

Concen: 0.000 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL036132.D

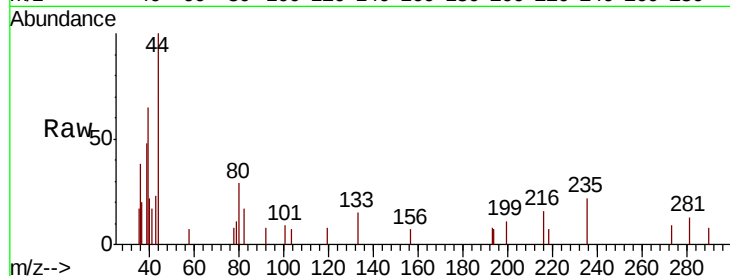
Acq: 10 Dec 2020 15:50

Tot Ion:101 Resp: 76

Ion Ratio Lower Upper

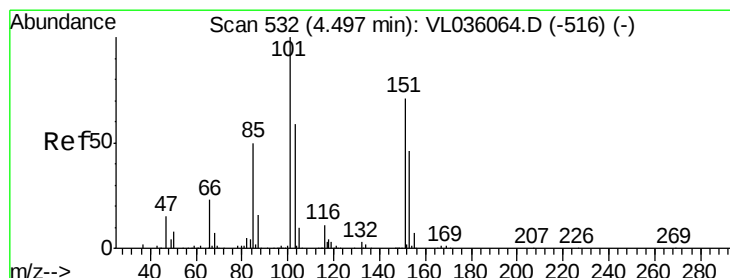
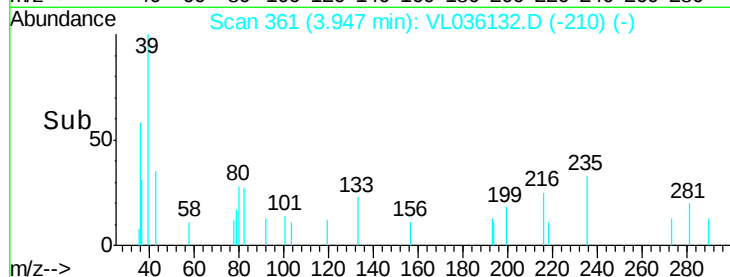
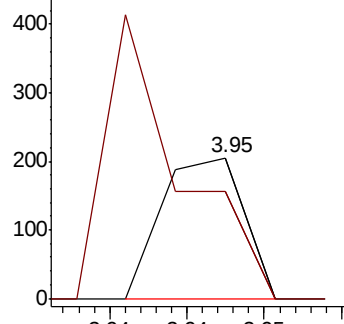
101 100

103 76.1 50.3 75.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.000 ppbv

RT: 4.49 min Scan# 529

Delta R.T. -0.01 min

Lab File: VL036132.D

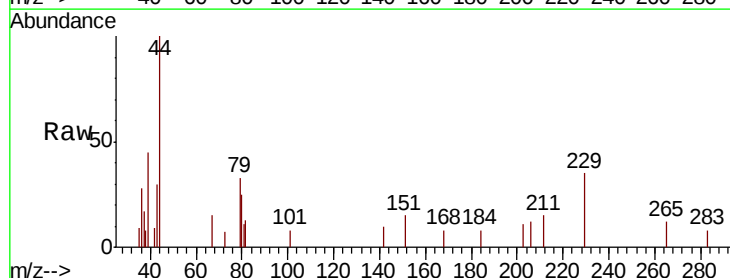
Acq: 10 Dec 2020 15:50

Tgt Ion:101 Resp: 63

Ion Ratio Lower Upper

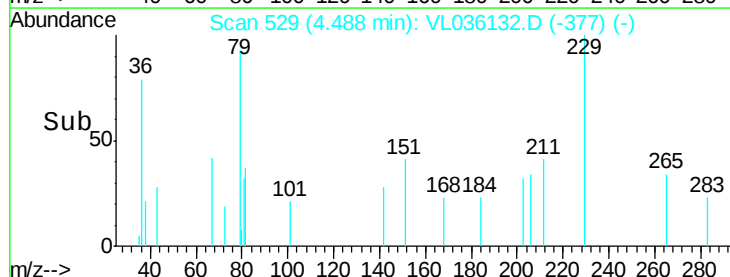
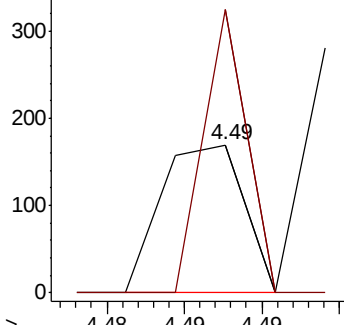
101 100

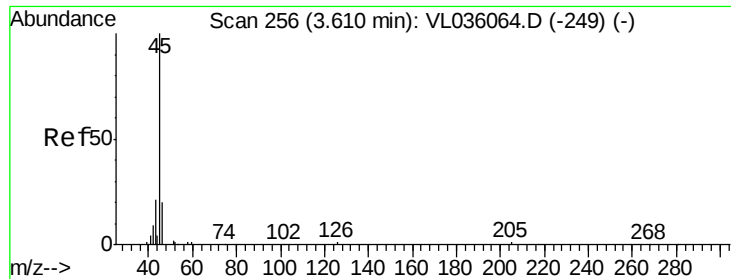
151 100.0 59.3 88.9#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 0.020 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.01 min

Lab File: VL036132.D

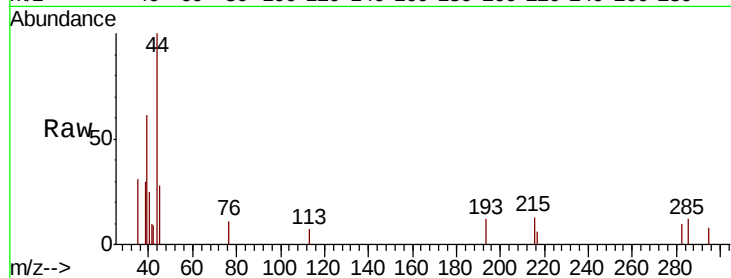
Acq: 10 Dec 2020 15:50

Tot Ion: 45 Resp: 217

Ion Ratio Lower Upper

45 100

46 61.8 19.0 75.8



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.60

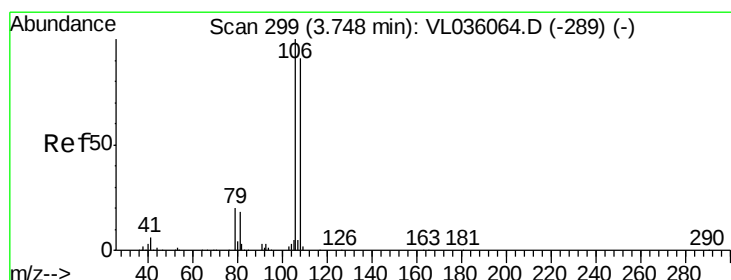
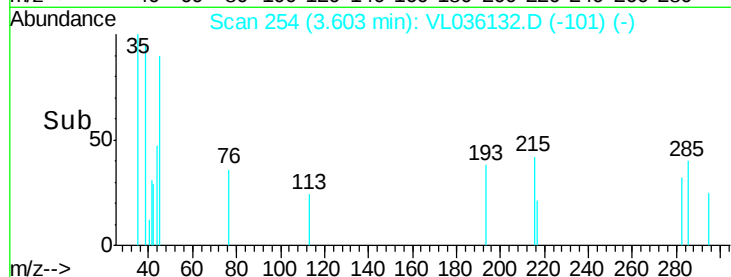
600

400

200

0

Time-->



#14

Bromoethene

Concen: 0.001 ppbv

RT: 3.72 min Scan# 290

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

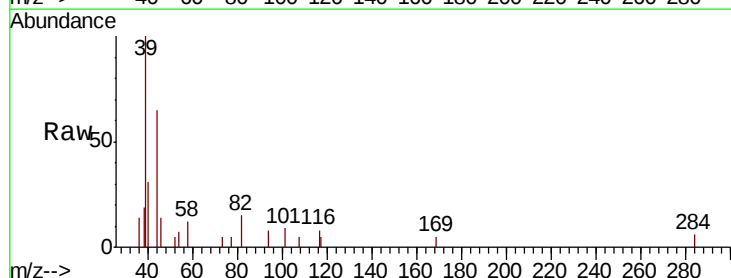
Tgt Ion: 108 Resp: 63

Ion Ratio Lower Upper

108 100

106 0.0 91.0 136.4#

79 241.3 19.3 28.9#



Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0

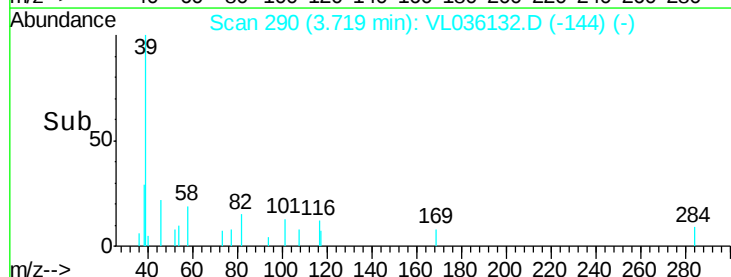
600

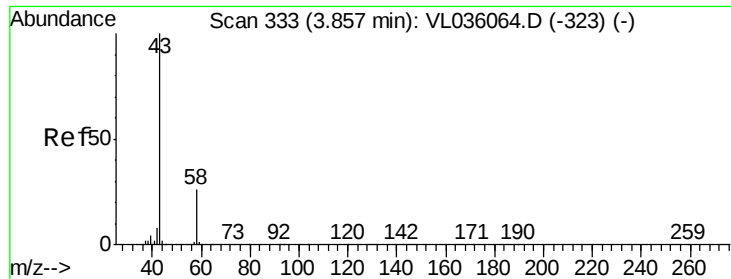
400

200

0

Time-->





#15

Acetone

Concen: 0.216 ppbv m

RT: 3.86 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL036132.D

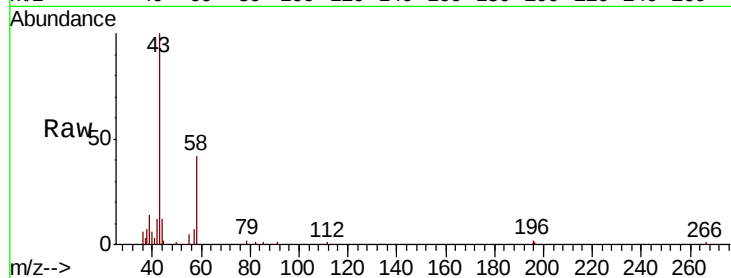
Acq: 10 Dec 2020 15:50

Tot Ion: 43 Resp: 35414

Ion Ratio Lower Upper

43 100

58 70.6 20.9 31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

20000

15000

10000

5000

0

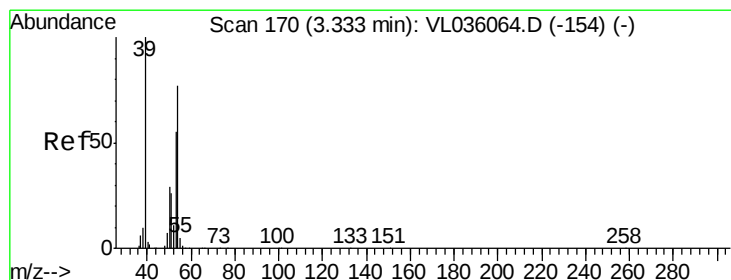
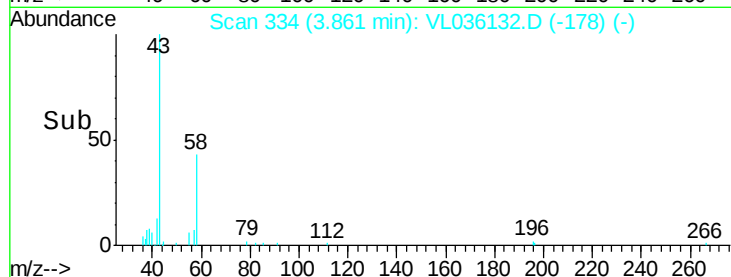
3.86

3.85

3.90

3.95

Time-->



#16

1,3-Butadiene

Concen: 0.003 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.01 min

Lab File: VL036132.D

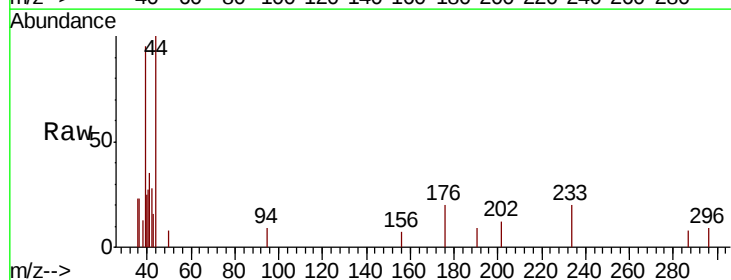
Acq: 10 Dec 2020 15:50

Tgt Ion: 39 Resp: 209

Ion Ratio Lower Upper

39 100

54 0.0 62.1 93.1#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

2500

2000

1500

1000

500

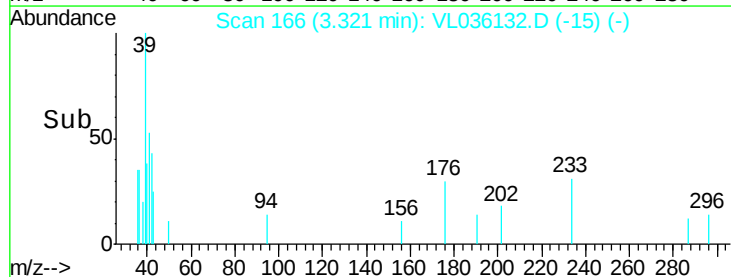
0

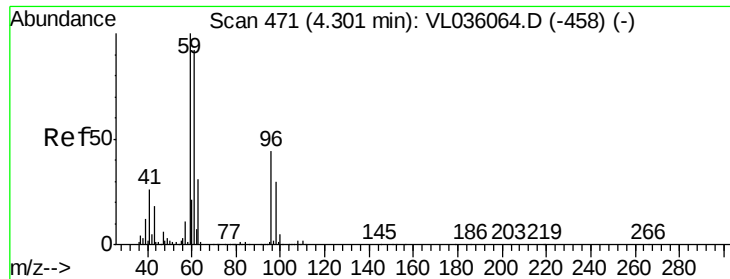
3.32

3.31

3.33

Time-->

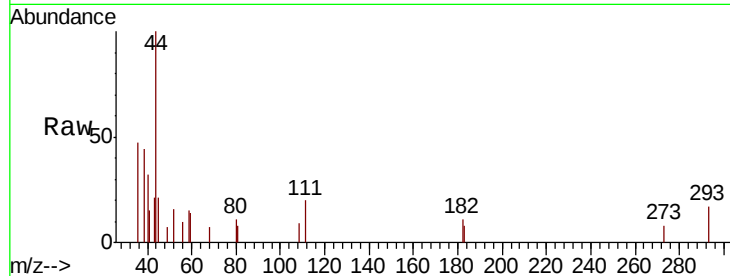




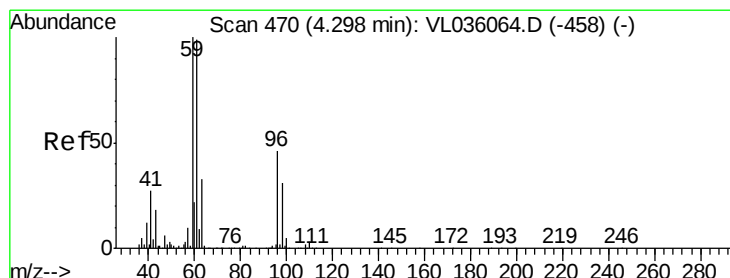
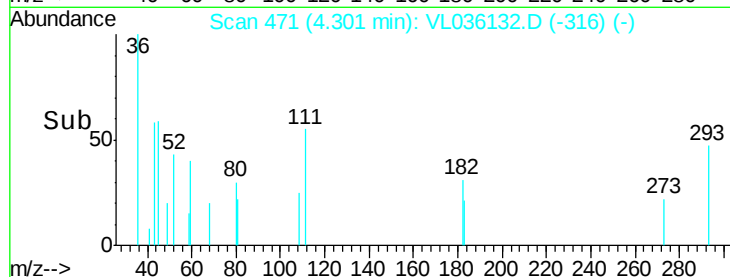
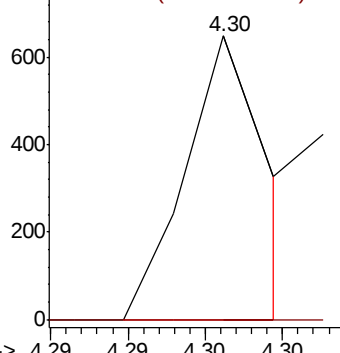
#17

tert-Butyl alcohol
Concen: 0.001 ppbv
RT: 4.30 min Scan# 471
Delta R.T. -0.00 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tot Ion: 59 Resp: 235
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



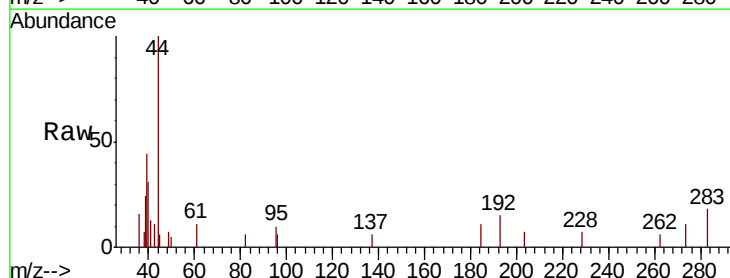
Abundance Ion 59.10 (58.80 to 59.80): VL0
Ion 57.10 (56.80 to 57.80): VL0



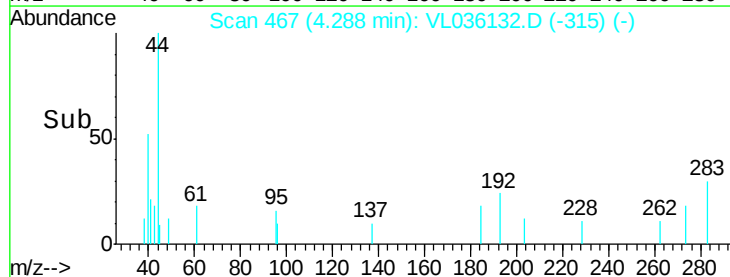
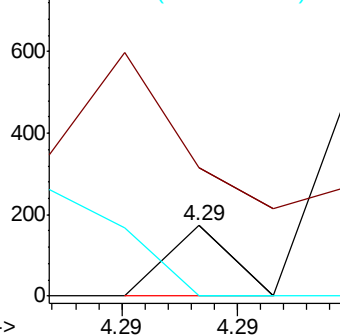
#18

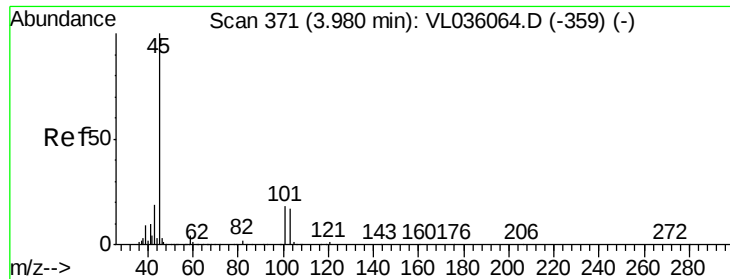
1,1-Dichloroethene
Concen: 0.001 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion: 96 Resp: 33
Ion Ratio Lower Upper
96 100
61 57.2 171.4 257.2#
98 0.0 54.2 81.2#



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





#19

Isopropyl Alcohol

Concen: 0.005 ppbv

RT: 3.98 min Scan# 370

Delta R.T. -0.00 min

Lab File: VL036132.D

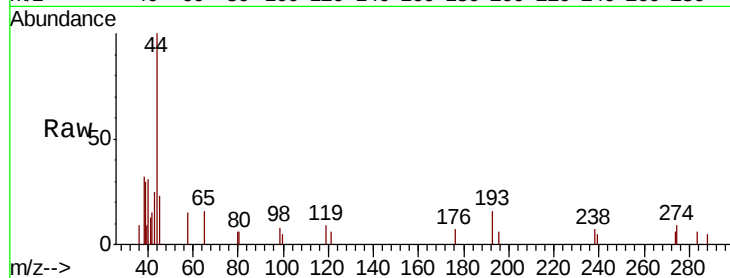
Acq: 10 Dec 2020 15:50

Tot Ion: 45 Resp: 504

Ion Ratio Lower Upper

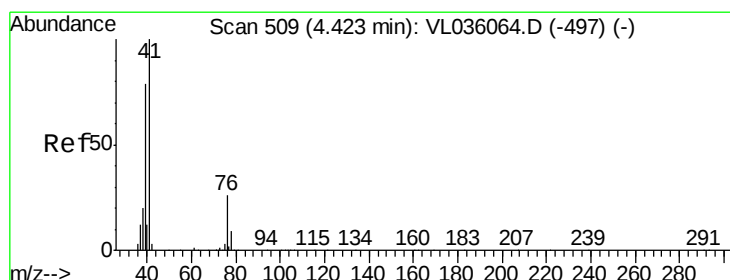
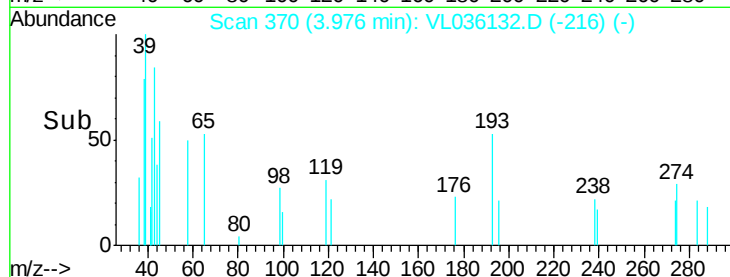
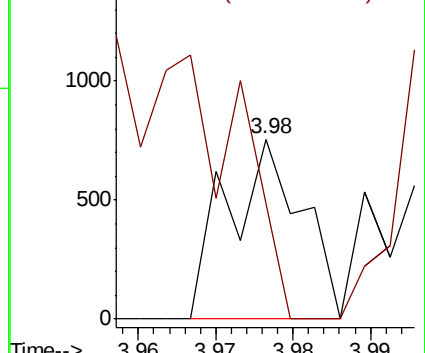
45 100

58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#21

Allyl Chloride

Concen: 0.002 ppbv

RT: 4.39 min Scan# 500

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

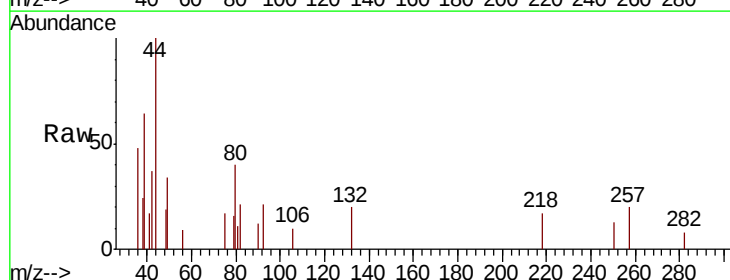
Tgt Ion: 41 Resp: 187

Ion Ratio Lower Upper

41 100

76 0.0 21.0 31.4#

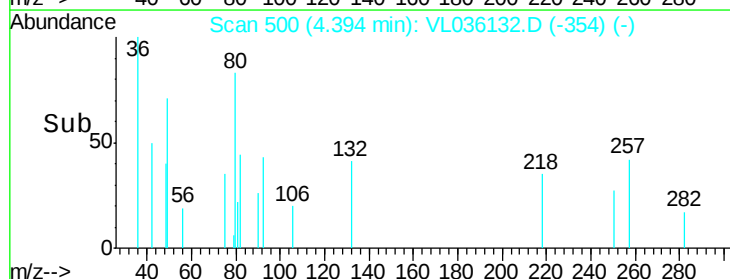
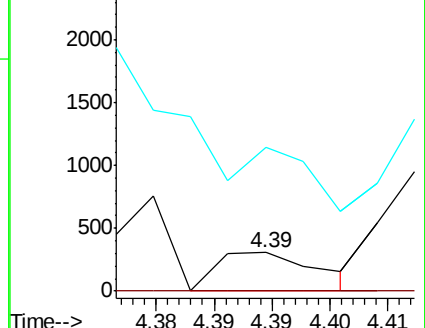
39 0.0 66.0 99.0#

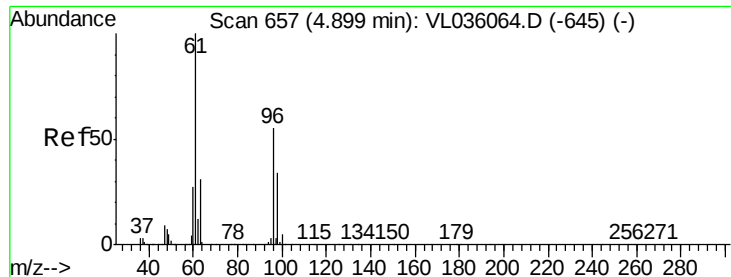


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0





#22

trans-1,2-Dichloroethene

Concen: 0.007 ppbv

RT: 4.88 min Scan# 650

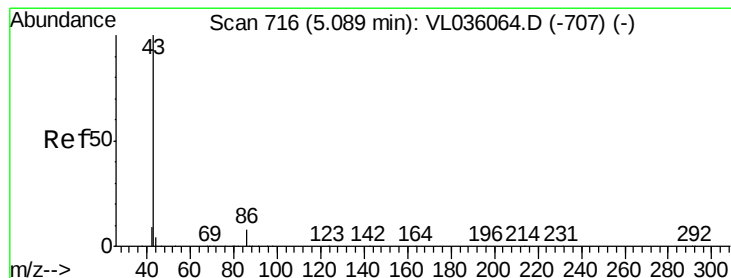
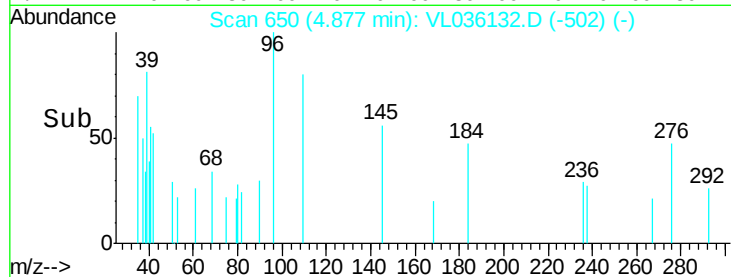
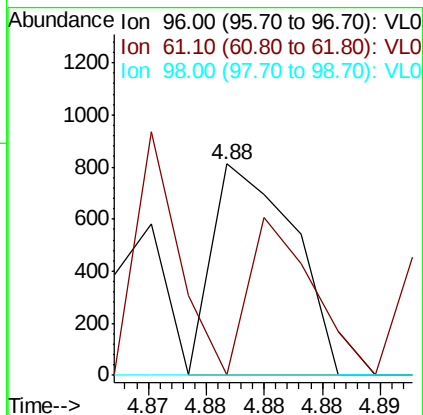
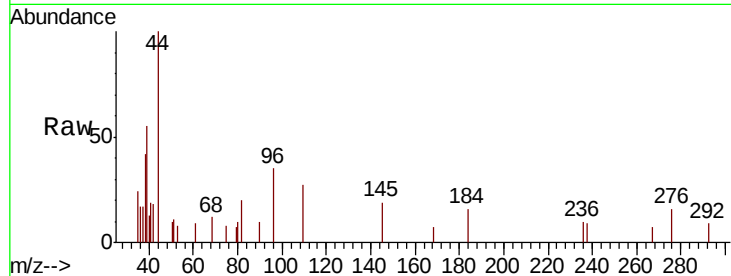
Delta R.T. -0.02 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tot Ion: 96 Resp: 396

Ion	Ratio	Lower	Upper
96	100		
61	0.0	145.7	218.5#
98	0.0	49.2	73.8#



#23

Vinyl Acetate

Concen: 0.009 ppbv

RT: 5.06 min Scan# 707

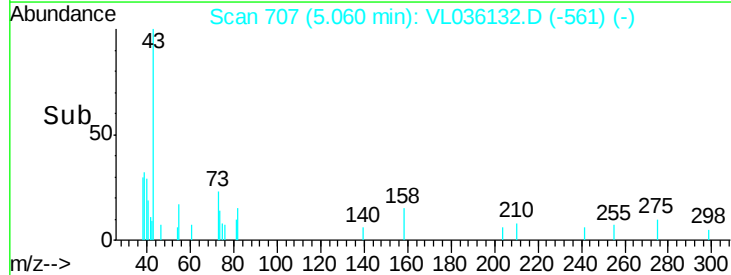
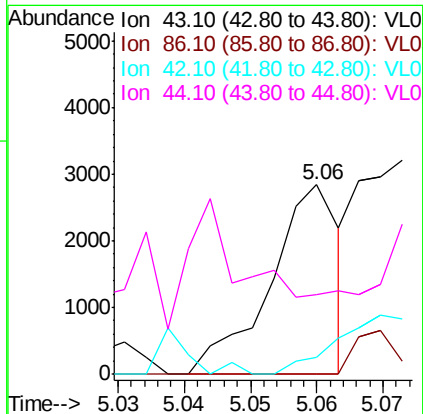
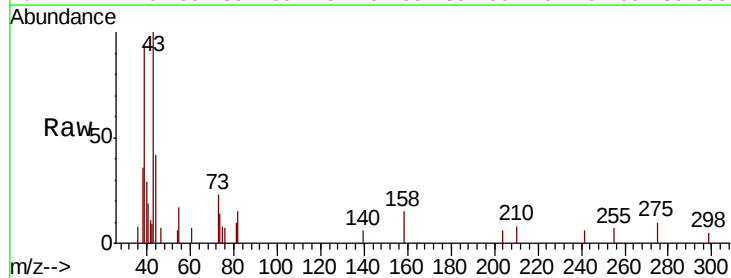
Delta R.T. -0.03 min

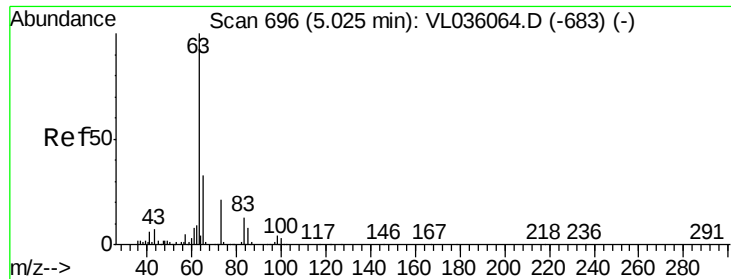
Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion: 43 Resp: 2064

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	0.0	7.8	11.6#
44	0.0	3.2	4.8#





#24

1,1-Dichloroethane

Concen: 0.003 ppbv

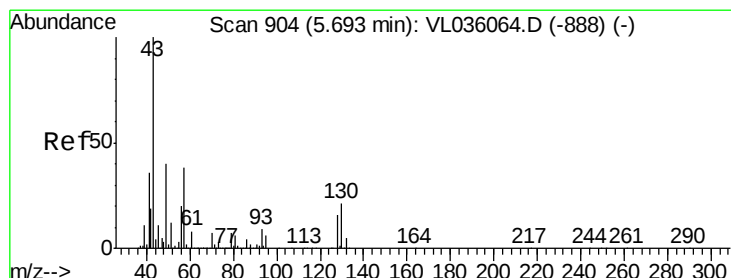
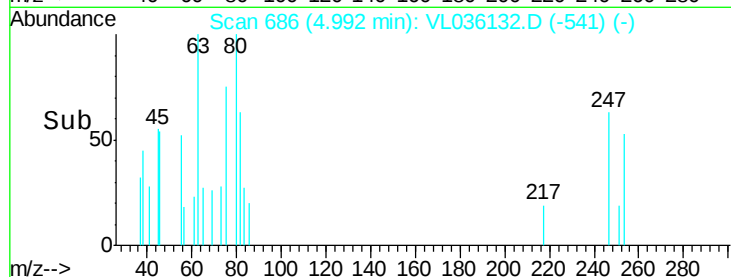
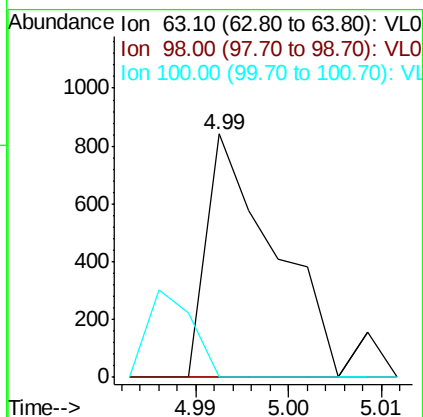
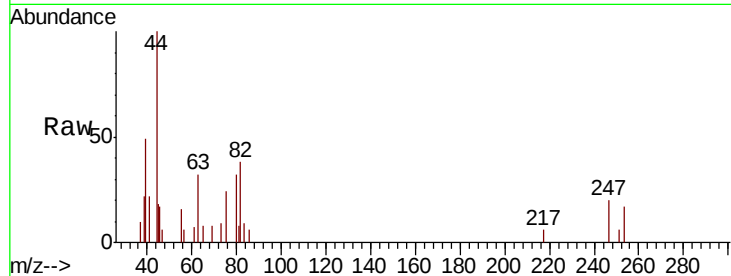
RT: 4.99 min Scan# 686

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tot Ion:	63	Resp:	426
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.002 ppbv

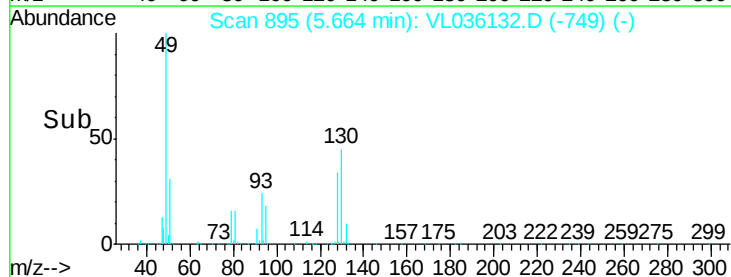
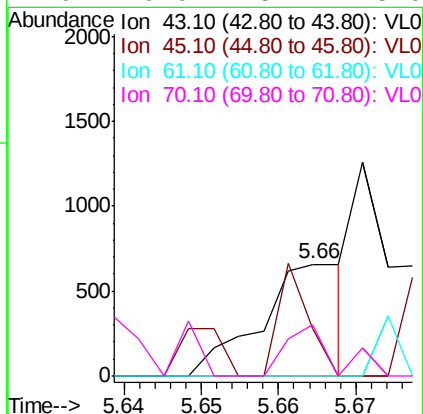
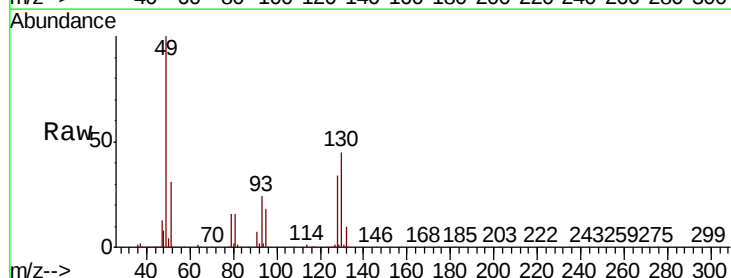
RT: 5.66 min Scan# 895

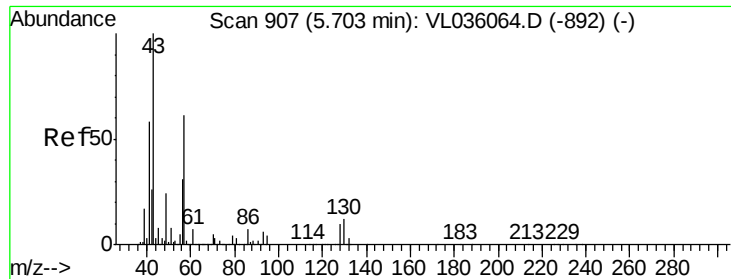
Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion:	43	Resp:	500
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#





#26

Hexane

Concen: 0.002 ppbv

RT: 5.68 min Scan# 899

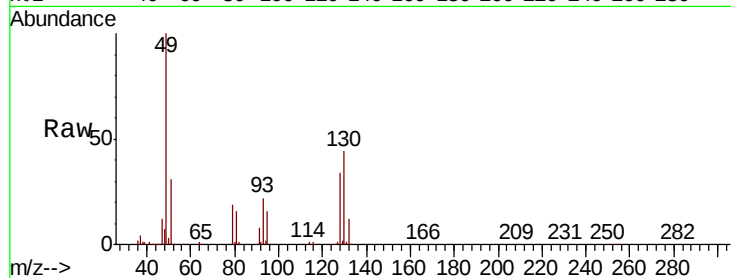
Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tot Ion: 57 Resp: 365

Ion	Ratio	Lower	Upper
57	100		
41	503.8	82.9	124.3#
43	0.0	199.9	299.9#
56	0.0	43.1	64.7#

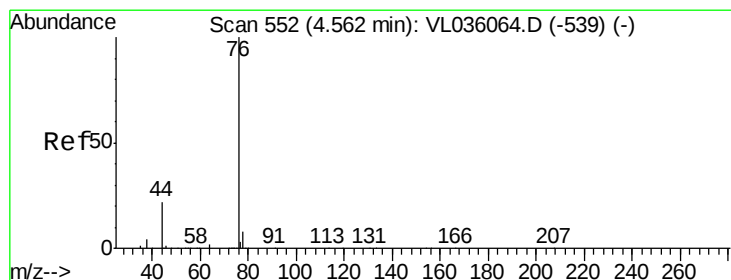
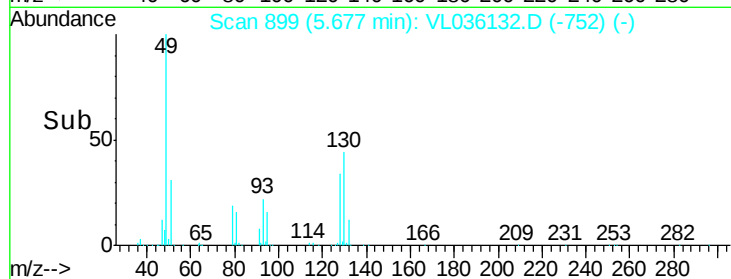
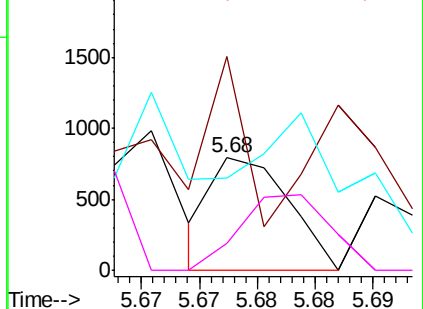


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#27

Carbon Disulfide

Concen: 0.002 ppbv

RT: 4.55 min Scan# 547

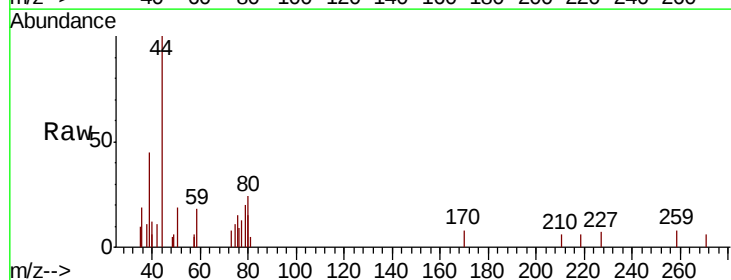
Delta R.T. -0.02 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion: 76 Resp: 234

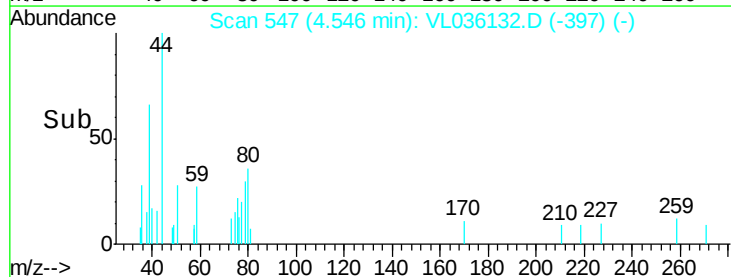
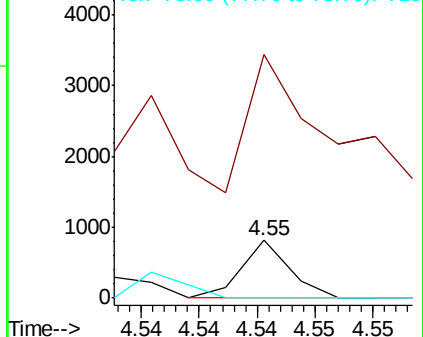
Ion	Ratio	Lower	Upper
76	100		
44	0.0	17.9	26.9#
78	0.0	7.8	11.8#

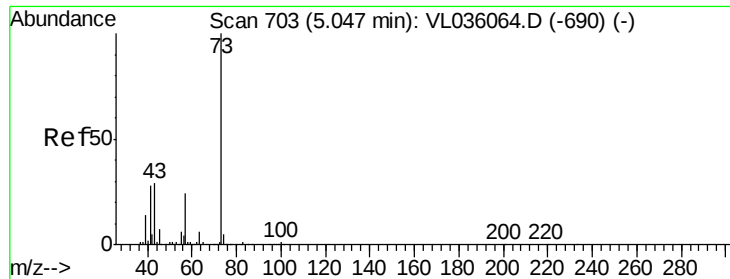


Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

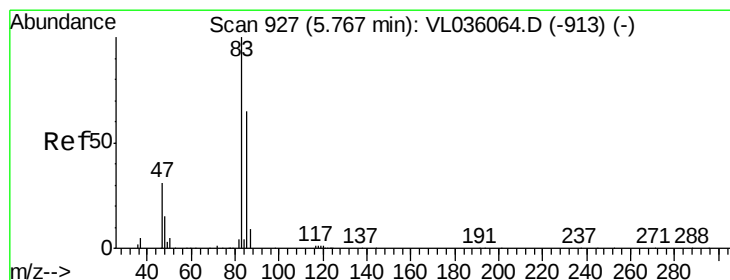
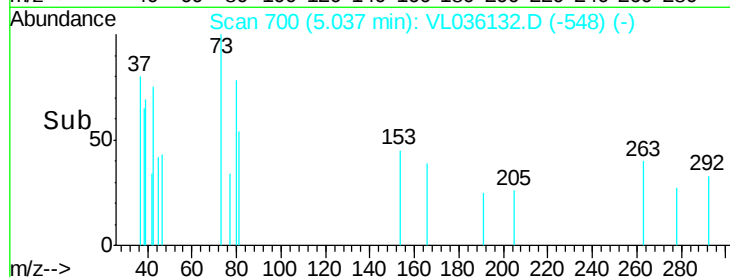
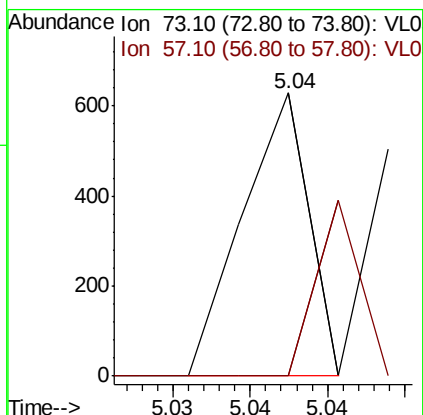
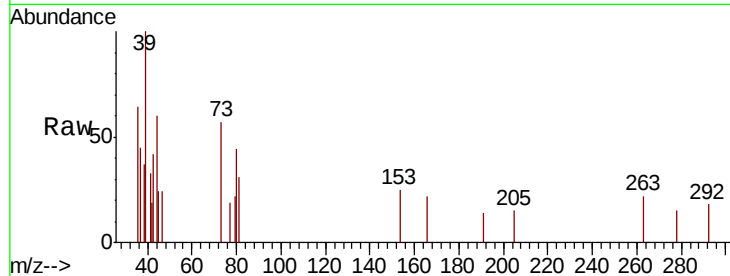
Ion 78.00 (77.70 to 78.70): VL0





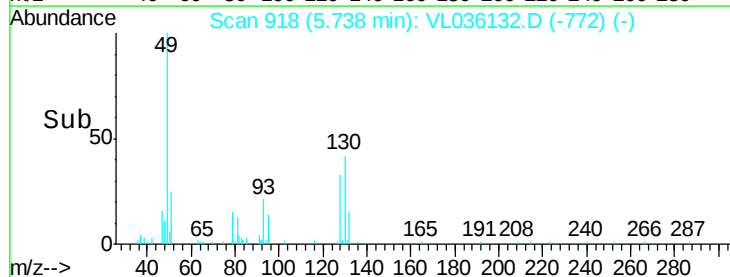
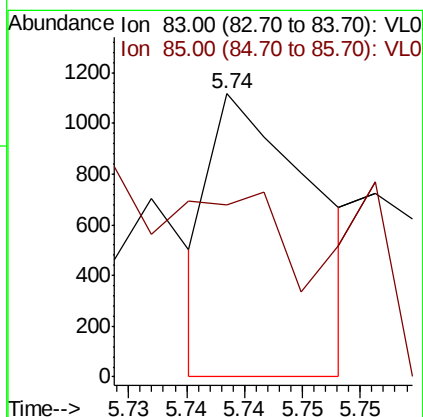
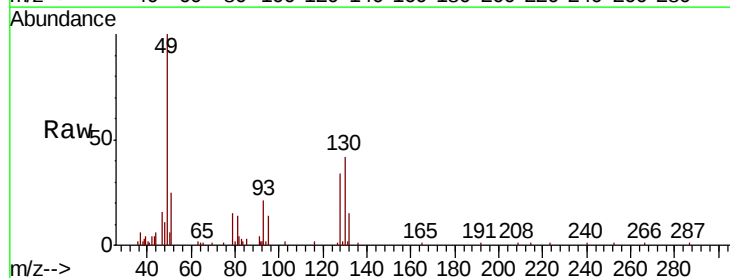
#28
Methvl tert-Butvl Ether
Concen: 0.001 ppbv
RT: 5.04 min Scan# 700
Delta R.T. -0.01 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

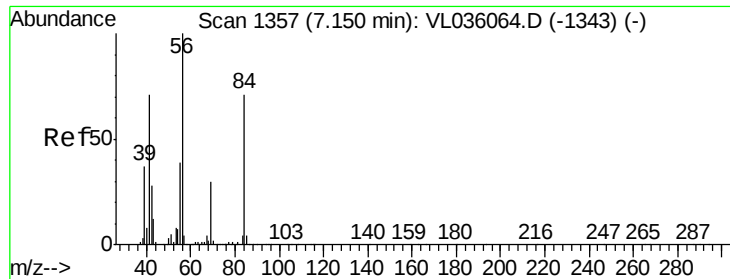
Tot Ion: 73 Resp: 186
Ion Ratio Lower Upper
73 100
57 0.0 19.2 28.8#



#29
Chloroform
Concen: 0.004 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.03 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

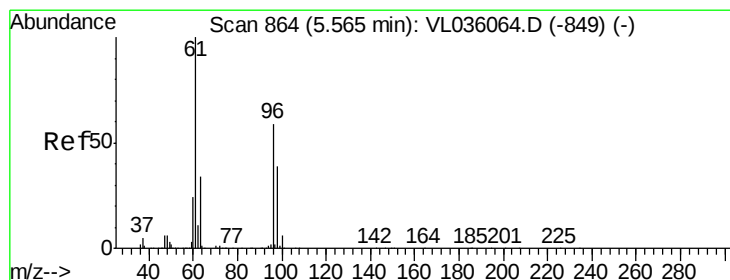
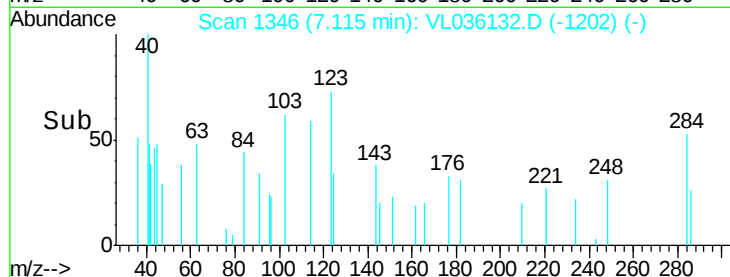
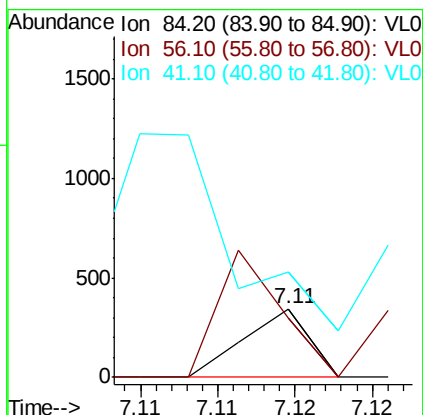
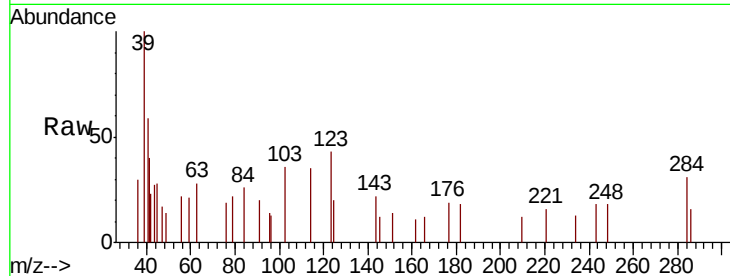
Tgt Ion: 83 Resp: 682
Ion Ratio Lower Upper
83 100
85 26.1 51.8 77.6#





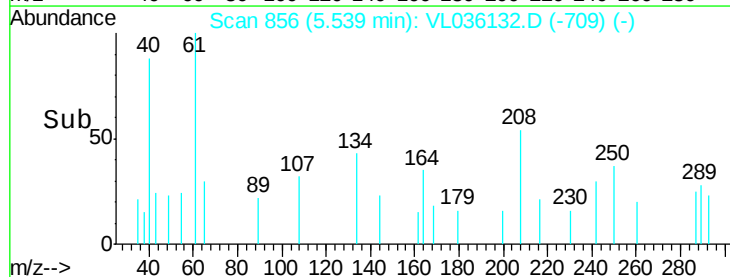
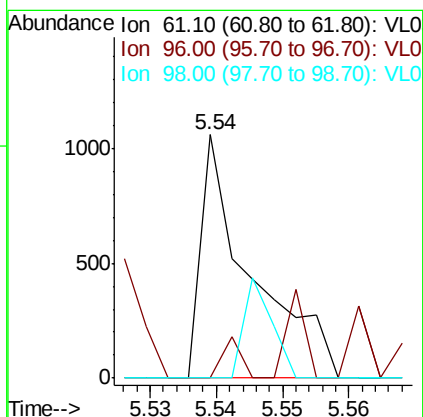
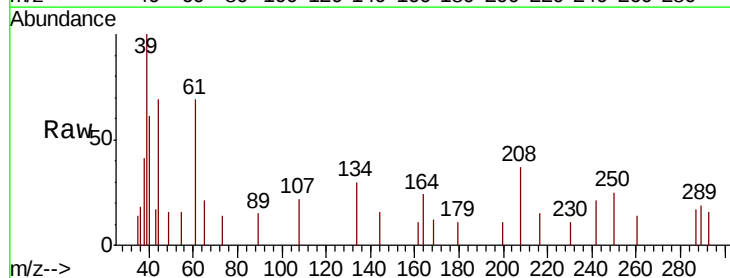
#30
Cvclohexane
Concen: 0.001 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.04 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

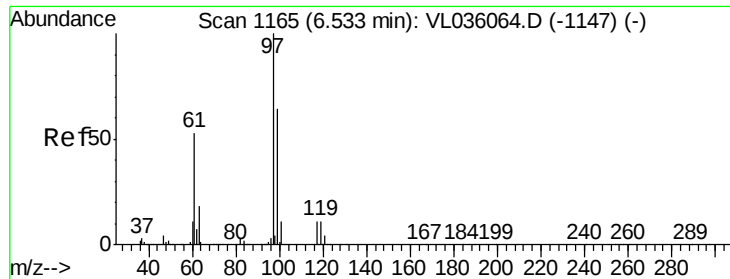
Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	128.0	192.0#
41	0.0	81.3	121.9#



#31
cis-1,2-Dichloroethene
Concen: 0.004 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.03 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

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





#32

1,1,1-Trichloroethane

Concen: 0.000 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

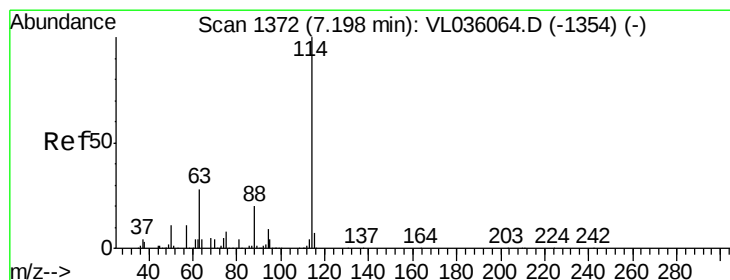
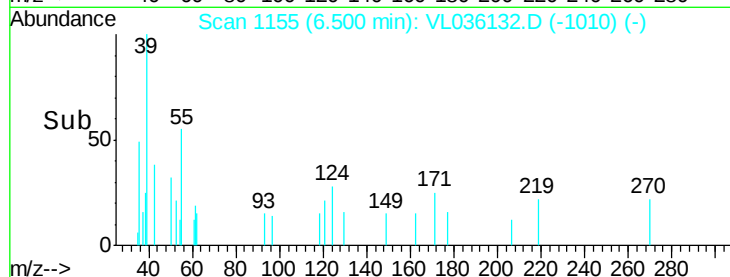
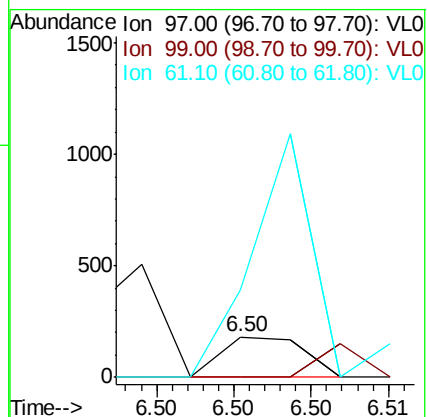
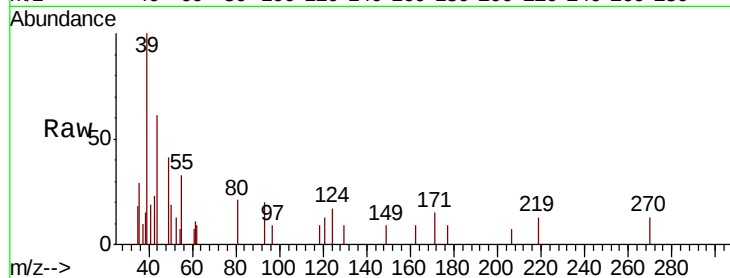
Tot Ion: 97 Resp: 68

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

61 1023.5 43.4 65.0#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1362

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

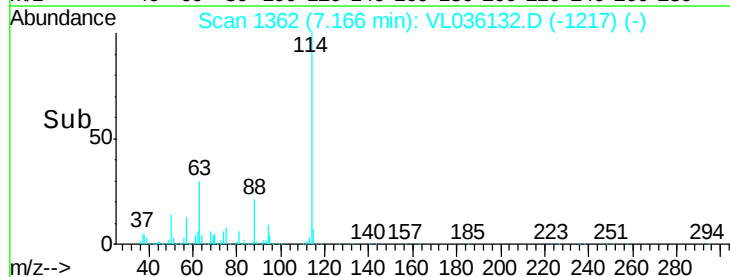
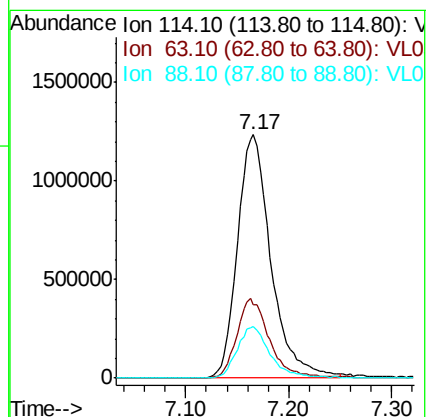
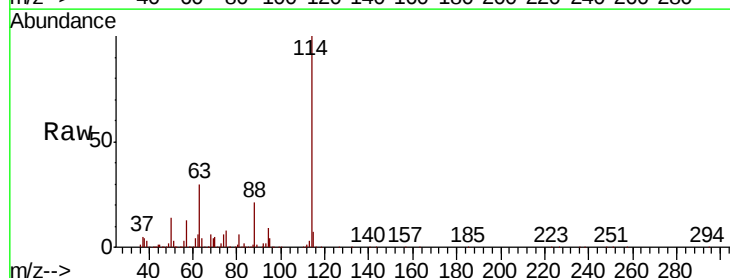
Tgt Ion: 114 Resp: 2801009

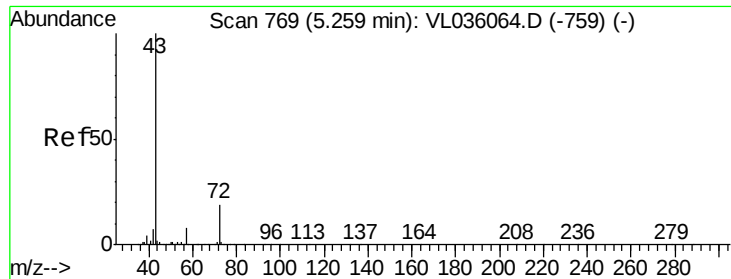
Ion Ratio Lower Upper

114 100

63 32.2 23.6 35.4

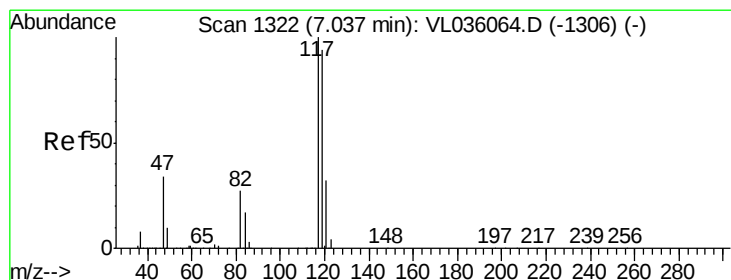
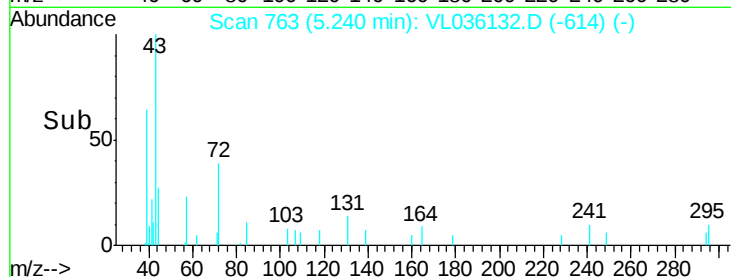
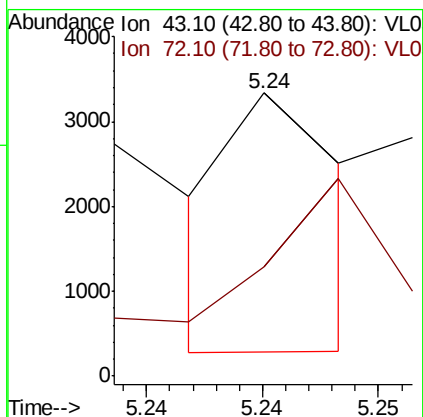
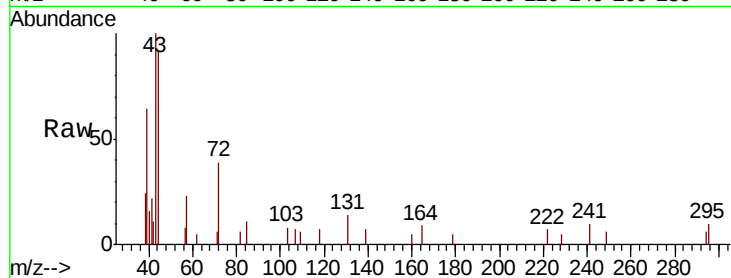
88 21.0 15.8 23.6





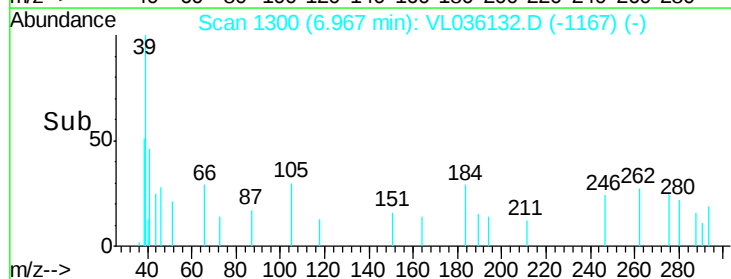
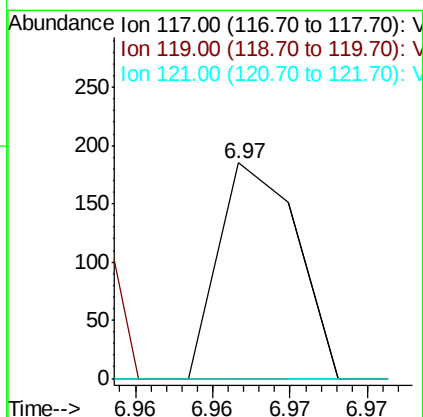
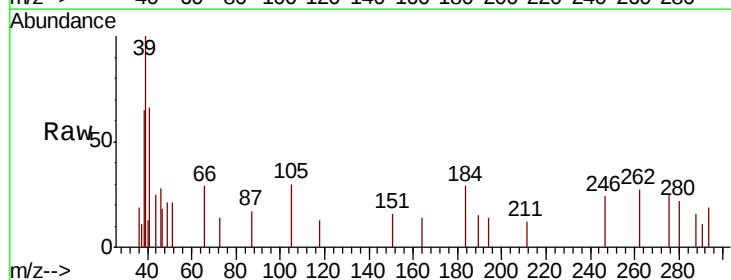
#34
2-Butanone
Concen: 0.005 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.02 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

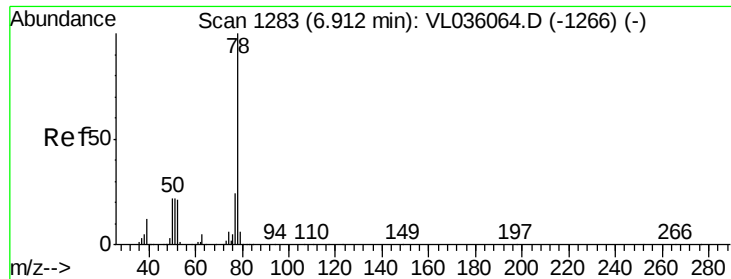
Tot Ion: 43 Resp: 1020
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#35
Carbon Tetrachloride
Concen: 0.000 ppbv
RT: 6.97 min Scan# 1300
Delta R.T. -0.07 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion: 117 Resp: 65
Ion Ratio Lower Upper
117 100
119 0.0 75.1 112.7#
121 0.0 25.6 38.4#





#36

Benzene

Concen: 0.001 ppbv

RT: 6.90 min Scan# 1278

Delta R.T. -0.02 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

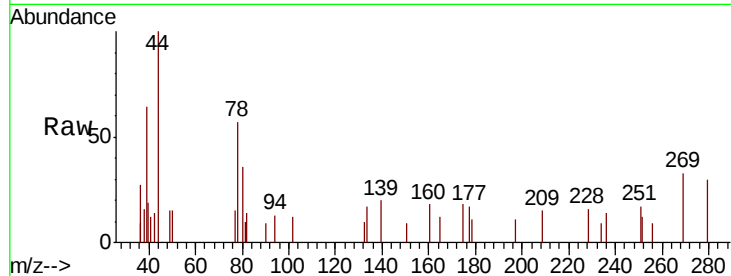
Tot Ion: 78 Resp: 267

Ion Ratio Lower Upper

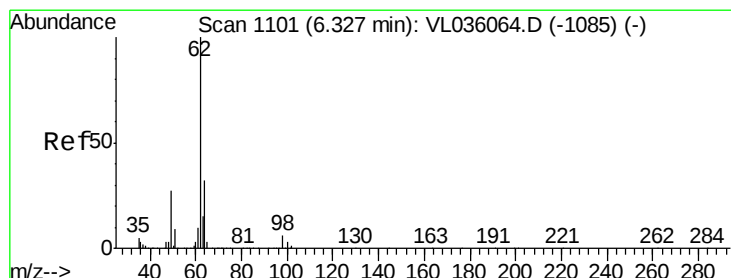
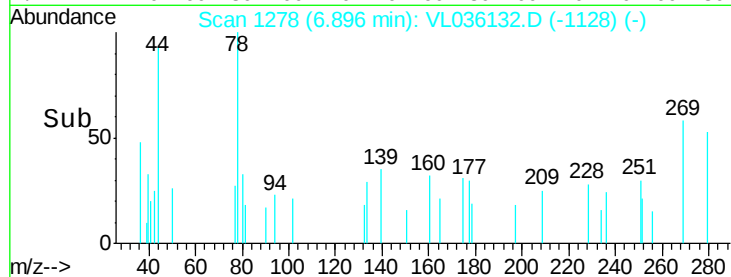
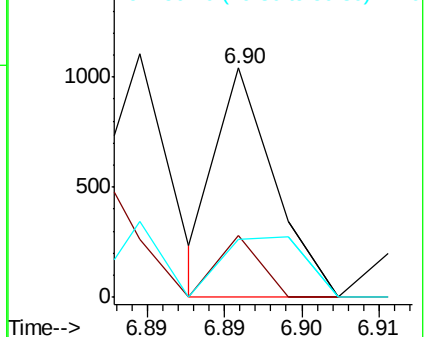
78 100

77 26.9 19.4 29.2

50 25.6 17.8 26.8



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0



#37

1,2-Dichloroethane

Concen: 0.006 ppbv

RT: 6.30 min Scan# 1092

Delta R.T. -0.03 min

Lab File: VL036132.D

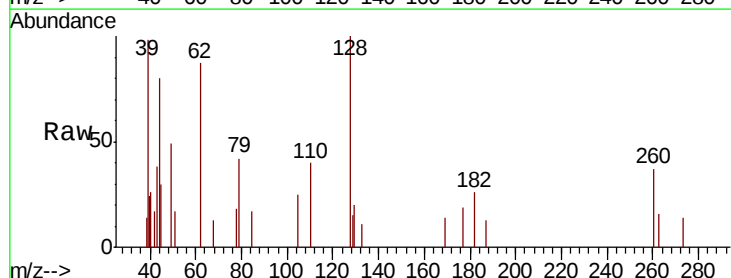
Acq: 10 Dec 2020 15:50

Tgt Ion: 62 Resp: 776

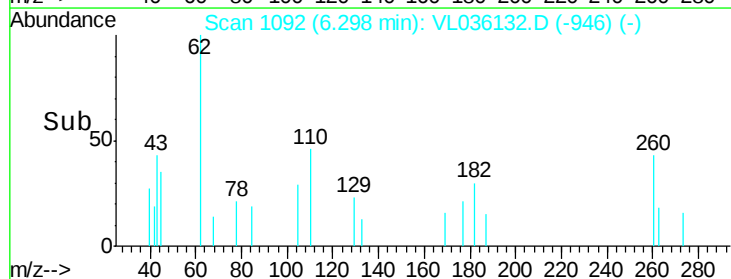
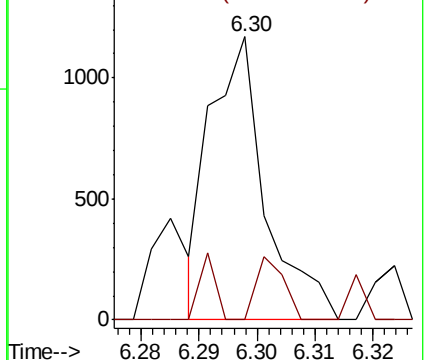
Ion Ratio Lower Upper

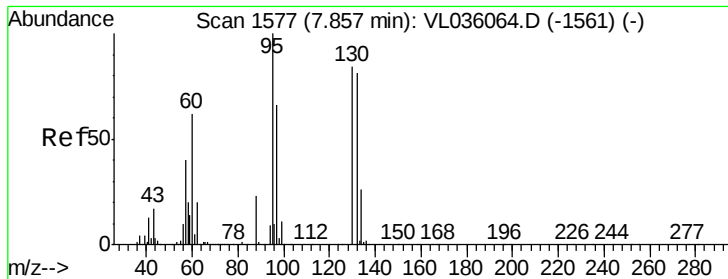
62 100

98 22.7 4.6 7.0#



Abundance Ion 62.10 (61.80 to 62.80): VL0
Ion 98.00 (97.70 to 98.70): VL0





#38

Trichloroethene

Concen: 0.004 ppbv

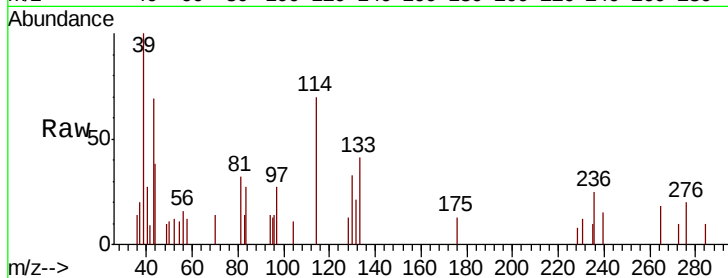
RT: 7.82 min Scan# 1566

Delta R.T. -0.04 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tot Ion:	130	Resp:	347
Ion	Ratio	Lower	Upper
130	100		
95	39.7	95.2	142.8#
132	62.7	76.9	115.3#
97	82.9	62.3	93.5

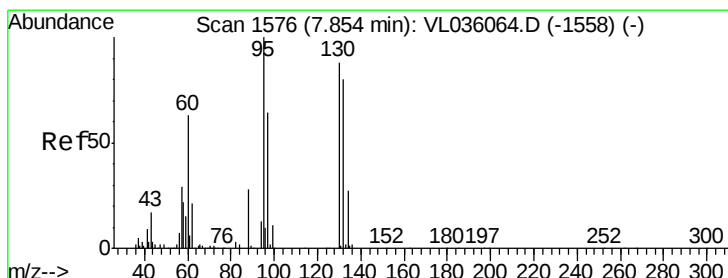
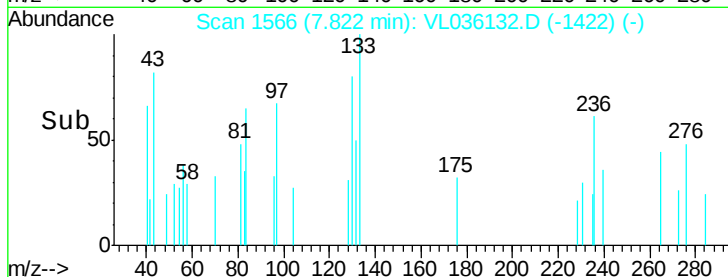
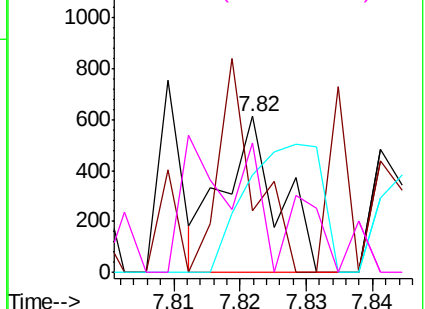


Abundance Ion 130.00 (129.70 to 130.70): V

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: 0.008 ppbv

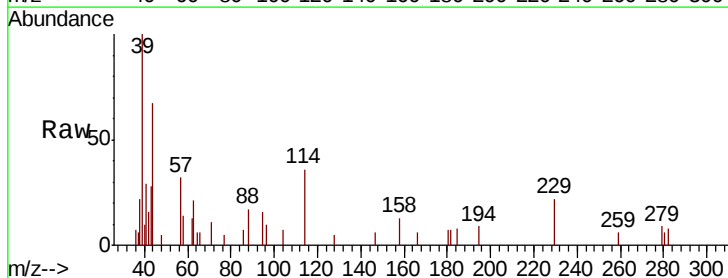
RT: 7.85 min Scan# 1576

Delta R.T. -0.00 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion:	88	Resp:	228
Ion	Ratio	Lower	Upper
88	100		
58	0.0	122.6	184.0#
43	0.0	0.0	0.0
57	800.0	0.0	0.0#

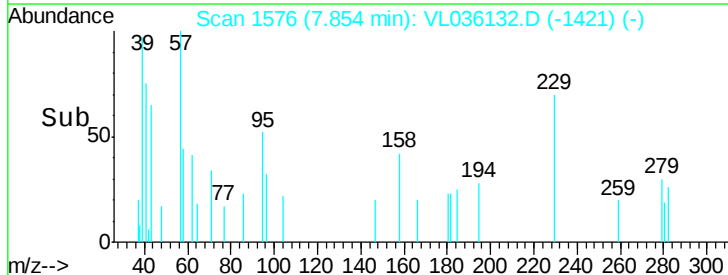
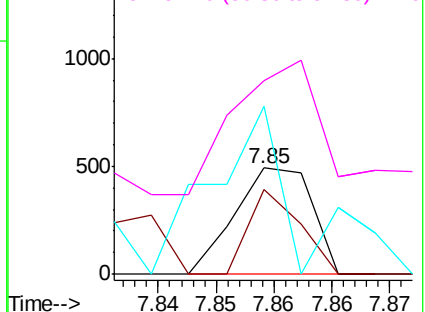


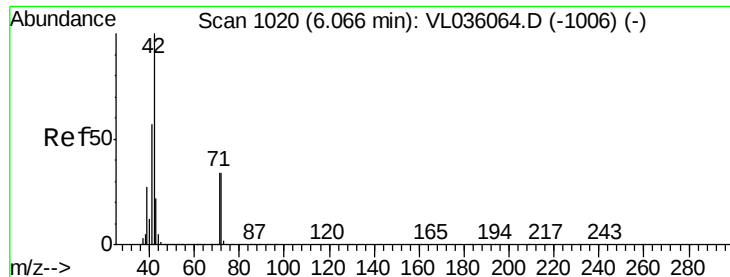
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.002 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

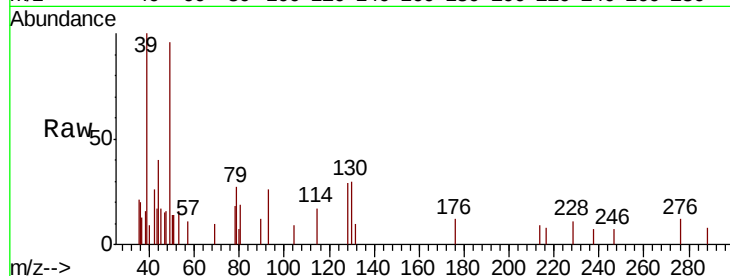
Tot Ion: 42 Resp: 224

Ion Ratio Lower Upper

42 100

72 0.0 28.3 42.5#

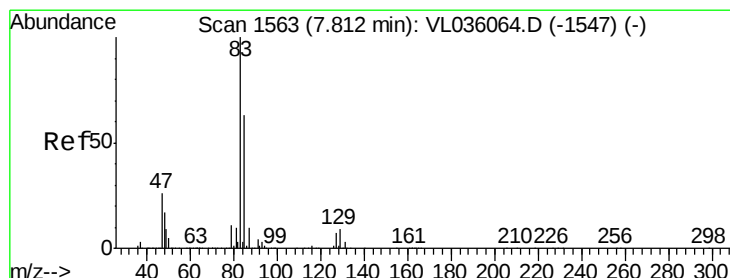
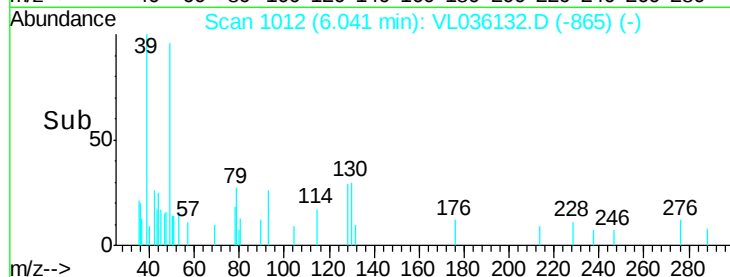
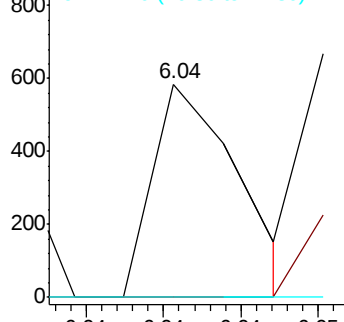
71 0.0 27.3 40.9#



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.002 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.04 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

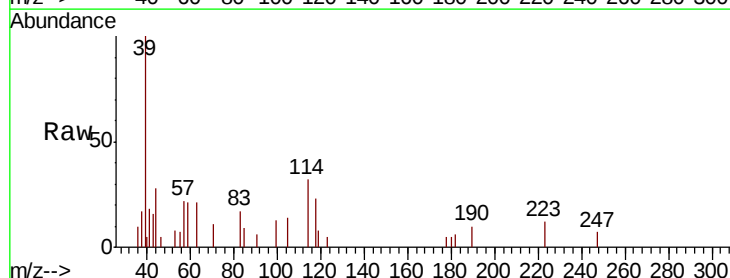
Tgt Ion: 83 Resp: 307

Ion Ratio Lower Upper

83 100

85 0.0 50.2 75.2#

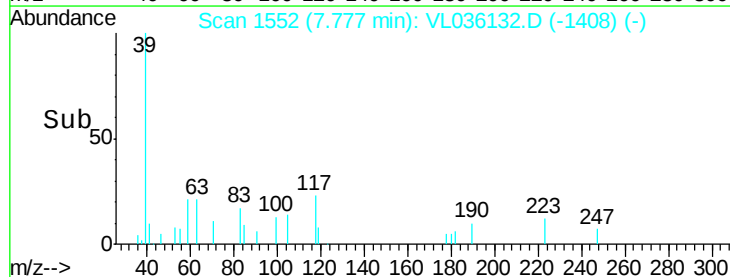
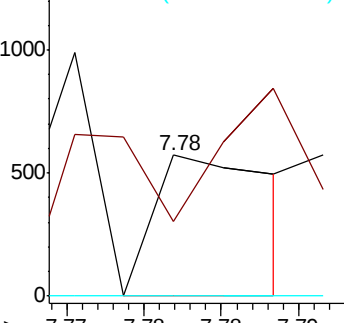
127 0.0 5.5 8.3#

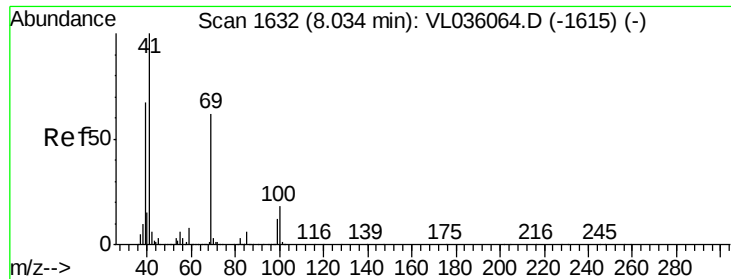


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 0.002 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

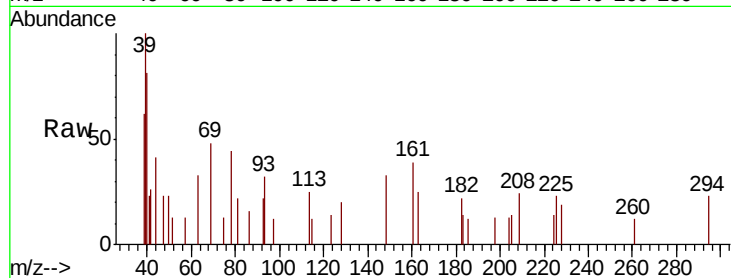
Tot Ion: 69 Resp: 170

Ion Ratio Lower Upper

69 100

41 0.0 133.0 199.6#

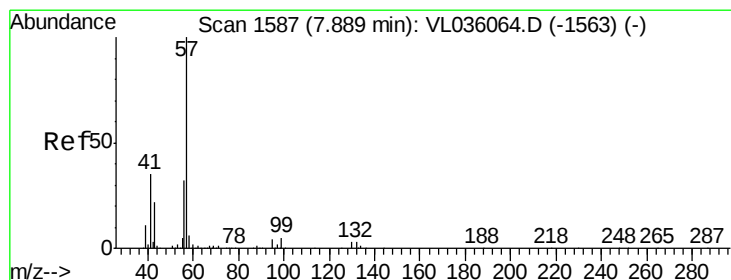
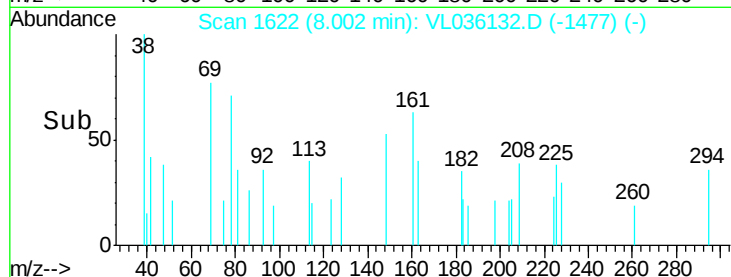
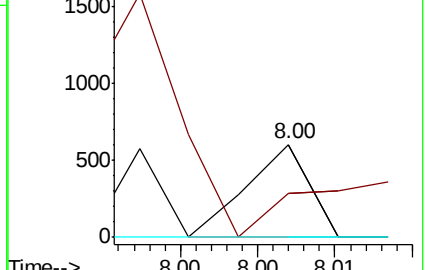
100 0.0 25.4 38.0#



Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0



#44

2,2,4-Trimethylpentane

Concen: 0.002 ppbv

RT: 7.86 min Scan# 1577

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

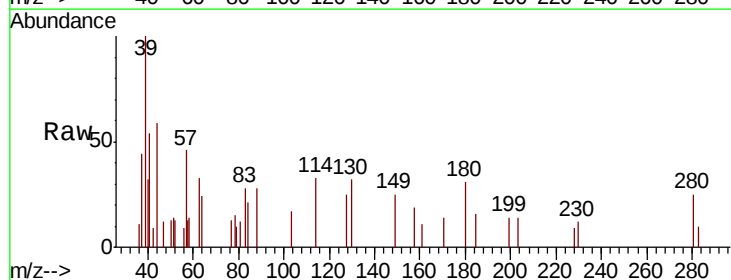
Tgt Ion: 57 Resp: 666

Ion Ratio Lower Upper

57 100

41 0.0 28.9 43.3#

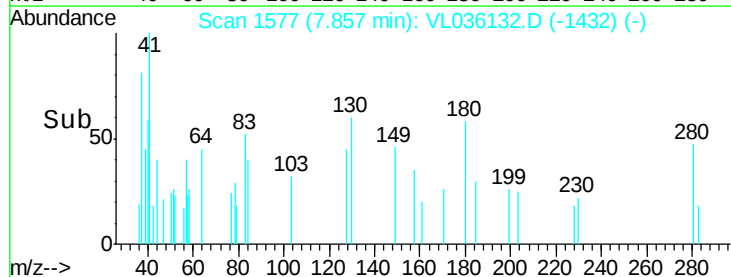
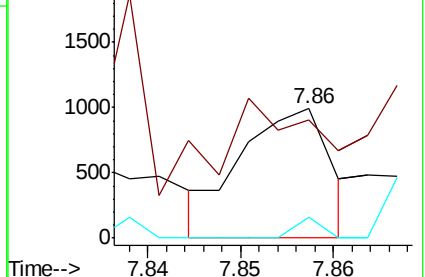
56 0.0 25.3 37.9#

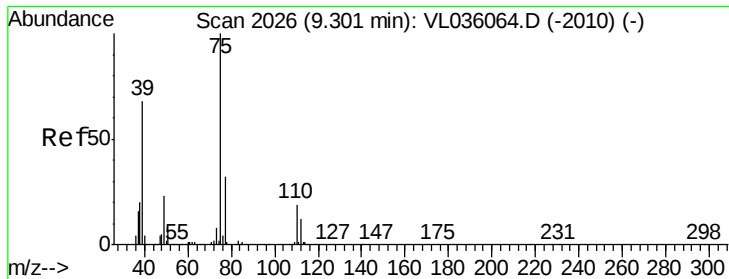


Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#45

t-1,3-Dichloropropene

Concen: 0.003 ppbv

RT: 9.19 min Scan# 1990

Delta R.T. -0.12 min

Lab File: VL036132.D

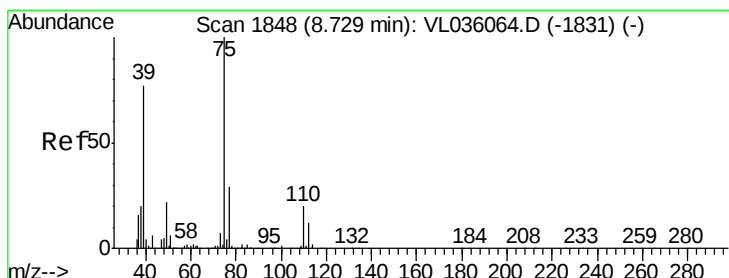
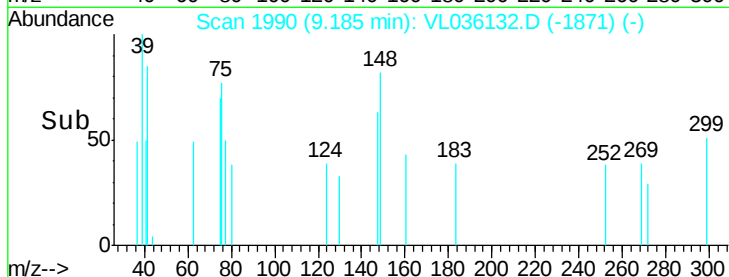
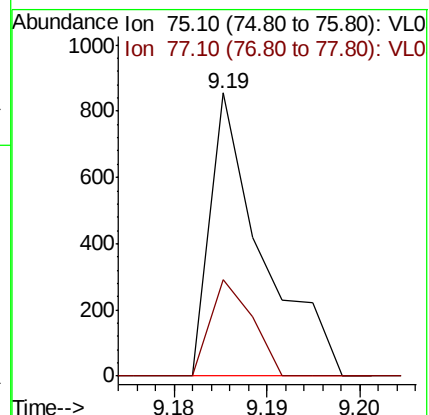
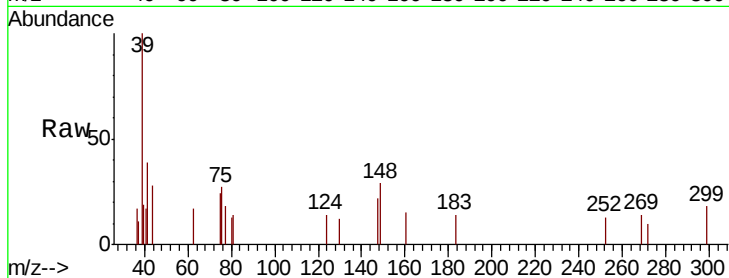
Acq: 10 Dec 2020 15:50

Tot Ion: 75 Resp: 333

Ion Ratio Lower Upper

75 100

77 34.3 26.0 39.0



#46

cis-1,3-Dichloropropene

Concen: 0.001 ppbv

RT: 8.68 min Scan# 1832

Delta R.T. -0.05 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

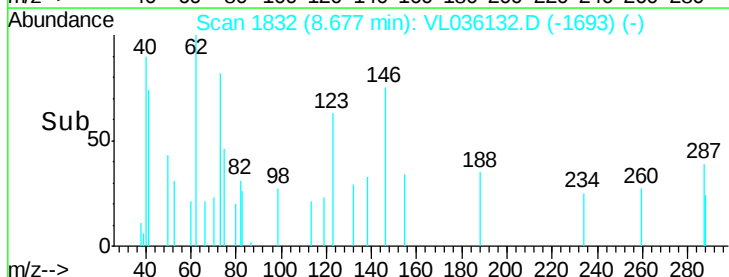
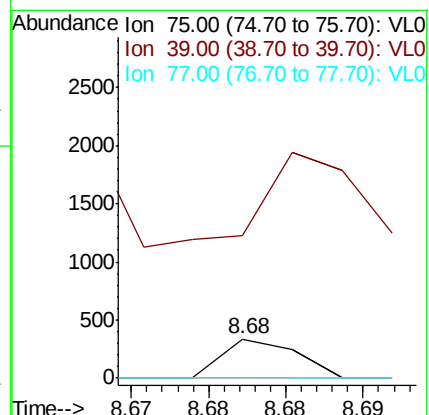
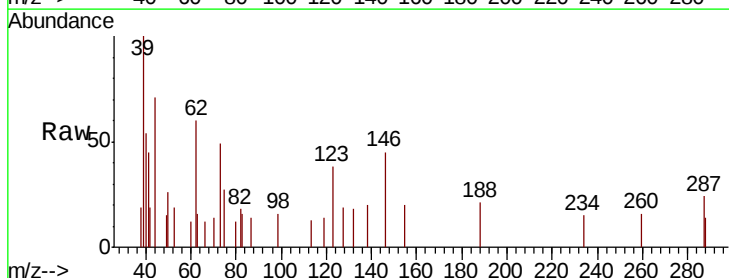
Tgt Ion: 75 Resp: 112

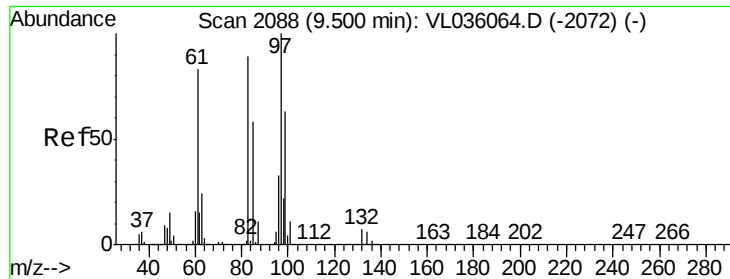
Ion Ratio Lower Upper

75 100

39 9.3 61.6 92.4#

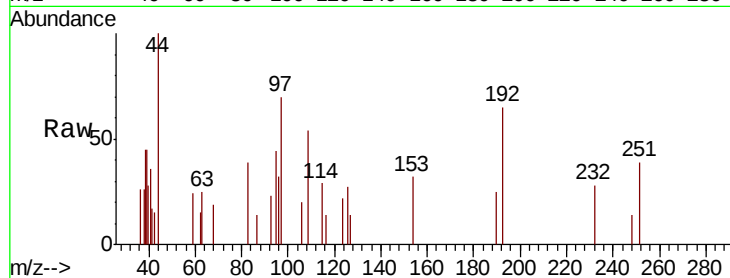
77 0.0 23.0 34.6#



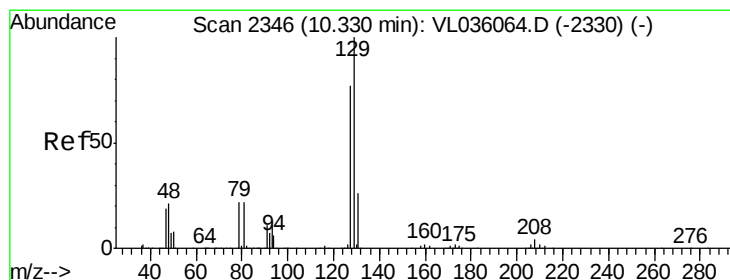
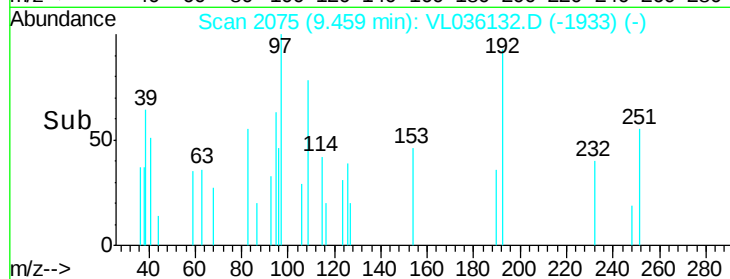
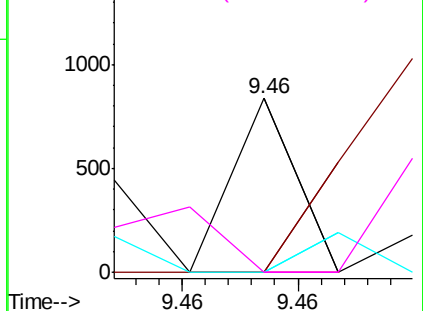


#47
 1,1,2-Trichloroethane
 Concen: 0.002 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.04 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tot Ion: 97 Resp: 161
 Ion Ratio Lower Upper
 97 100
 83 0.0 71.4 107.2#
 85 0.0 46.6 70.0#
 99 0.0 50.7 76.1#

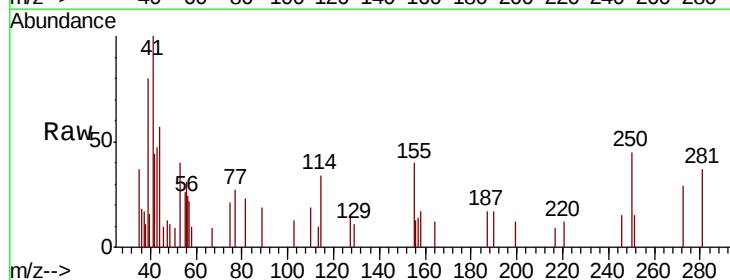


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

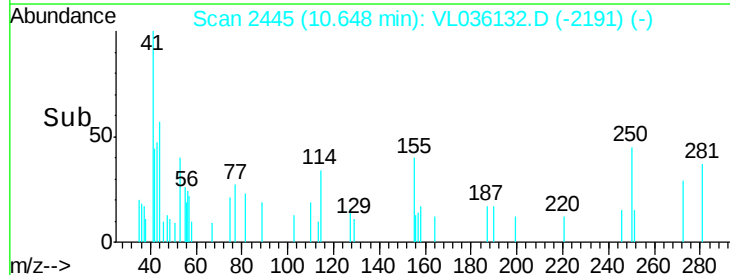
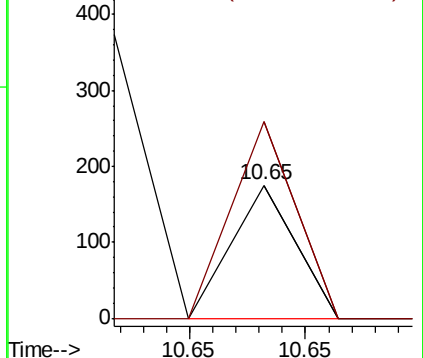


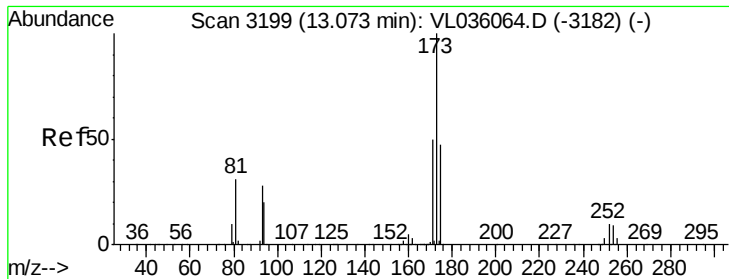
#48
 Dibromochloromethane
 Concen: 0.000 ppbv
 RT: 10.65 min Scan# 2445
 Delta R.T. 0.32 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tgt Ion: 129 Resp: 34
 Ion Ratio Lower Upper
 129 100
 127 94.1 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: 13.02 min Scan# 3184

Delta R.T. -0.05 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

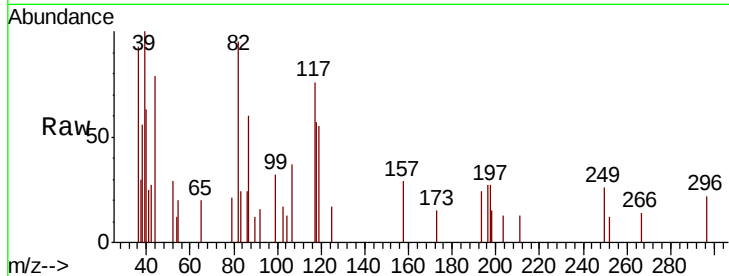
Tot Ion:173 Resp: 64

Ion Ratio Lower Upper

173 100

175 68.8 39.8 59.6#

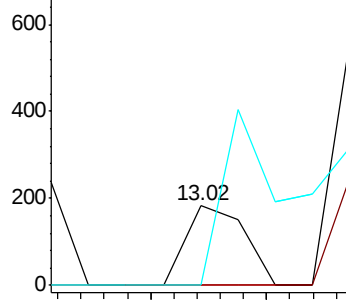
171 339.1 42.5 63.7#



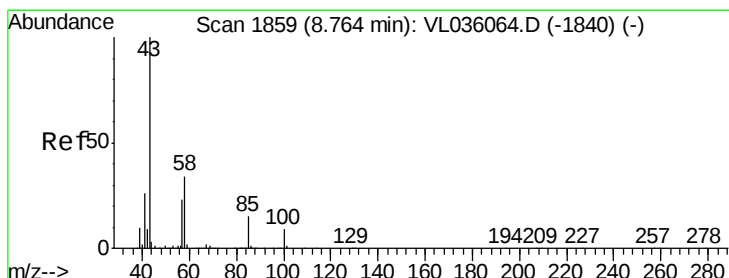
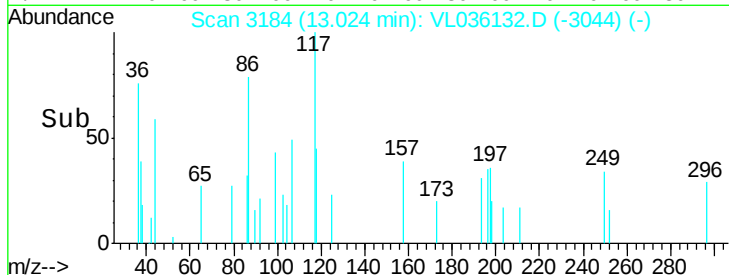
Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



Time-->



#50

4-Methyl-2-Pentanone

Concen: 0.000 ppbv

RT: 8.71 min Scan# 1843

Delta R.T. -0.05 min

Lab File: VL036132.D

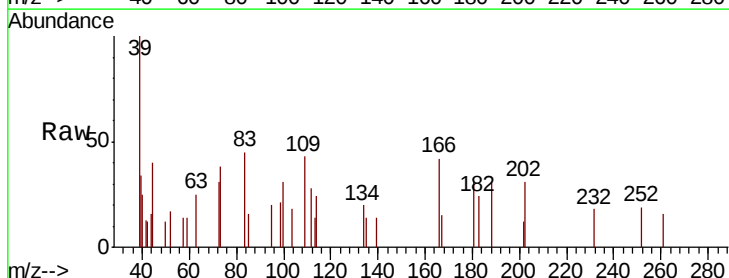
Acq: 10 Dec 2020 15:50

Tgt Ion: 43 Resp: 39

Ion Ratio Lower Upper

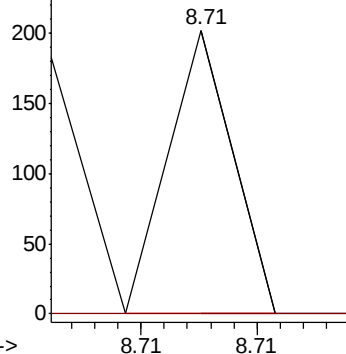
43 100

58 0.0 27.4 41.2#

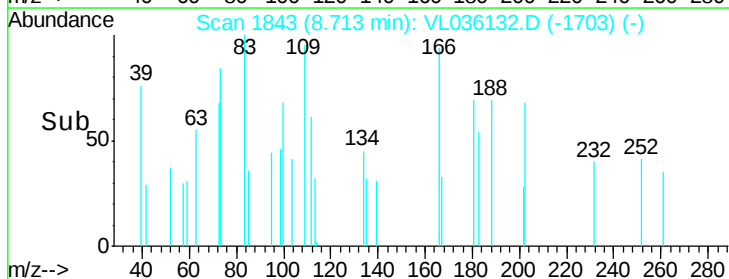


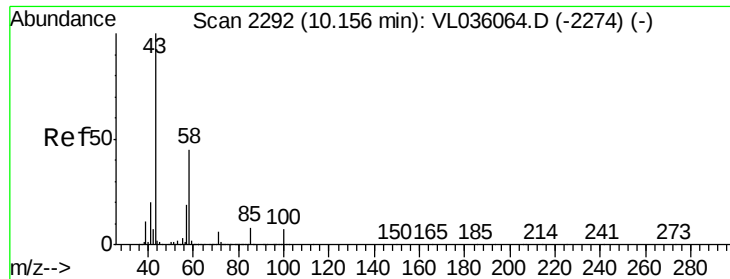
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



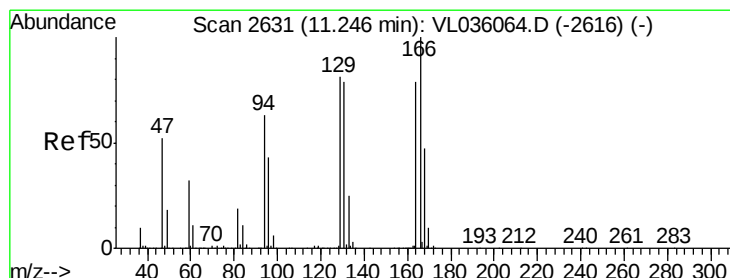
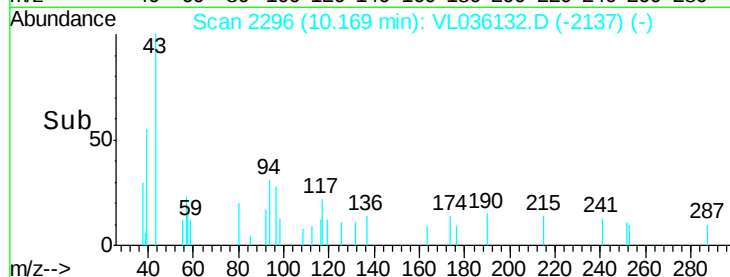
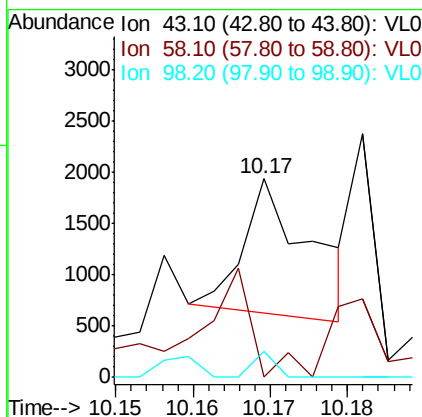
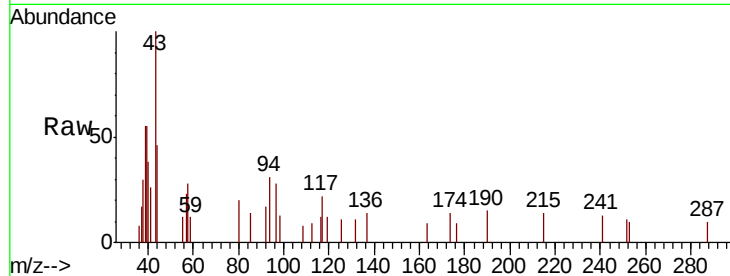
Time-->





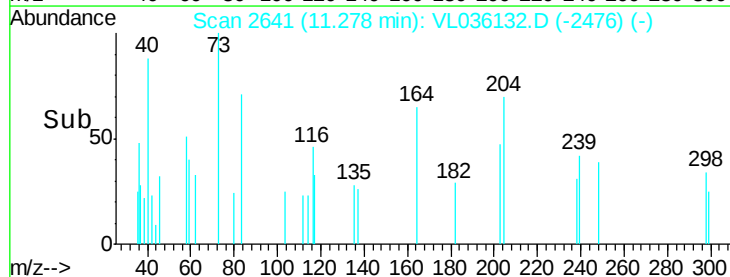
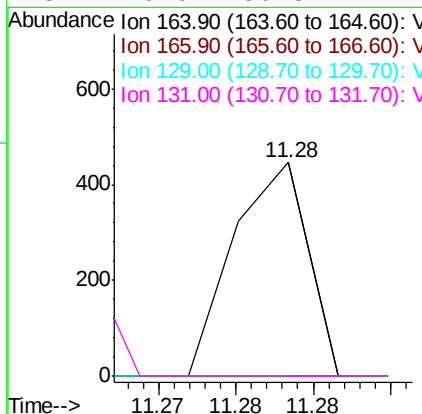
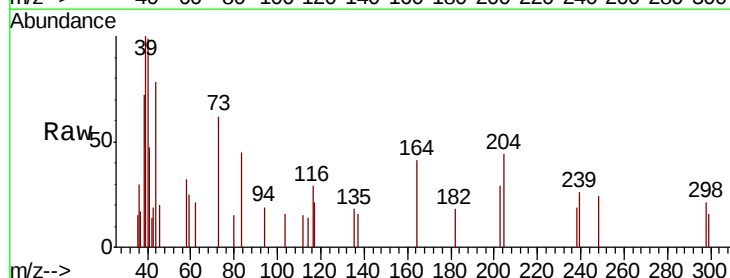
#51
2-Hexanone
Concen: 0.004 ppbv
RT: 10.17 min Scan# 2296
Delta R.T. 0.01 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

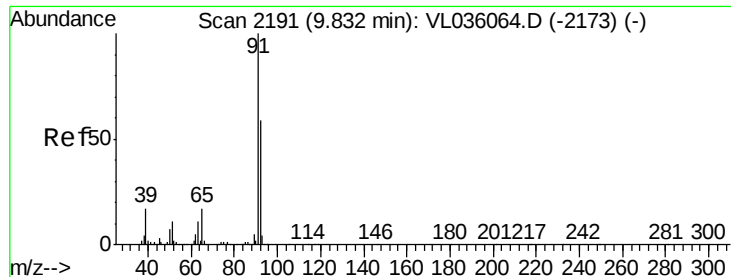
Tot Ion: 43 Resp: 768
Ion Ratio Lower Upper
43 100
58 223.6 38.7 58.1#
98 37.9 0.1 0.1#



#52
Tetrachloroethene
Concen: 0.002 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.03 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion: 164 Resp: 149
Ion Ratio Lower Upper
164 100
166 0.0 101.9 152.9#
129 0.0 82.1 123.1#
131 0.0 80.8 121.2#





#53

Toluene

Concen: 0.001 ppbv

RT: 9.38 min Scan# 2051

Delta R.T. -0.45 min

Lab File: VL036132.D

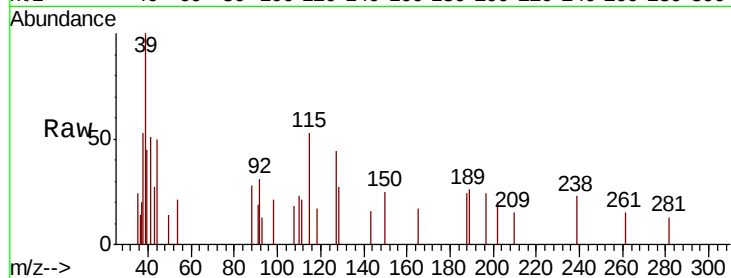
Acq: 10 Dec 2020 15:50

Tot Ion: 91 Resp: 142

Ion Ratio Lower Upper

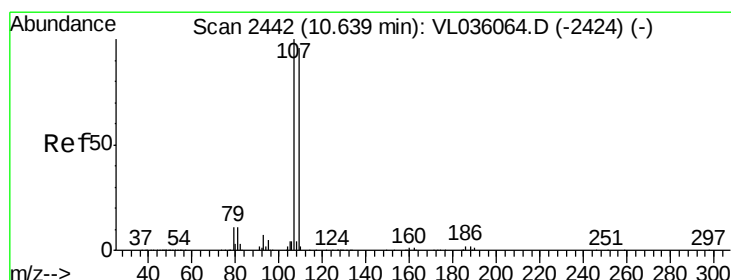
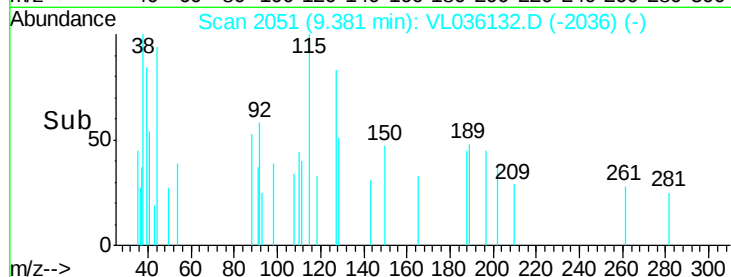
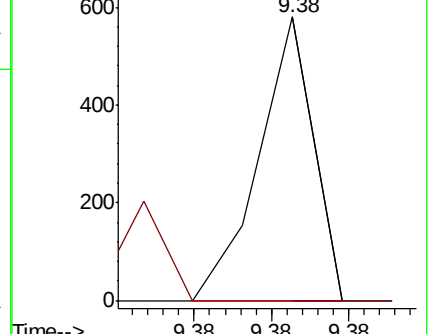
91 100

92 64.8 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.04 min

Lab File: VL036132.D

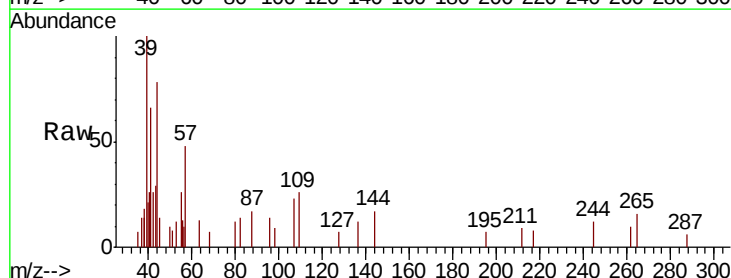
Acq: 10 Dec 2020 15:50

Tgt Ion: 107 Resp: 165

Ion Ratio Lower Upper

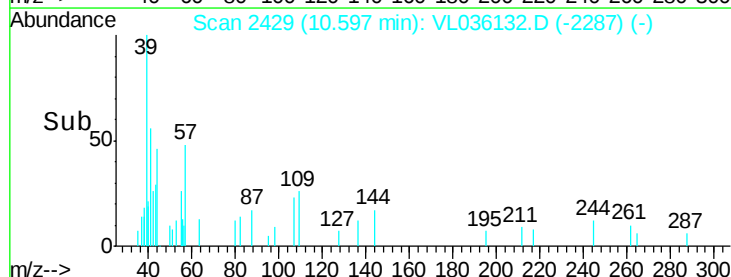
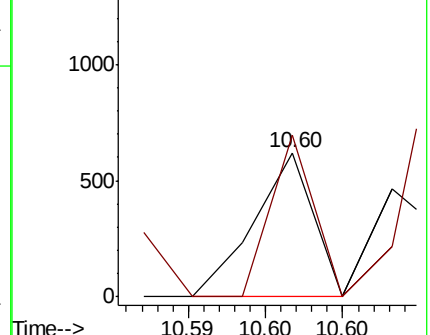
107 100

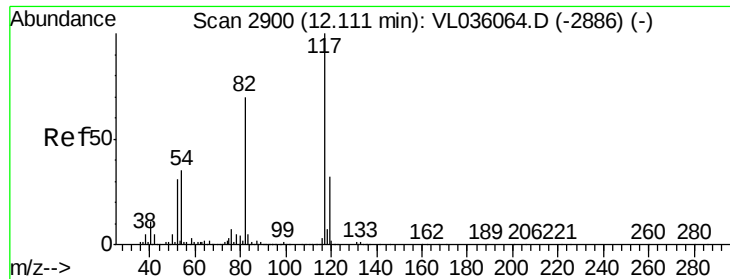
109 112.1 76.6 115.0



Abundance Ion 107.00 (106.70 to 107.70): V

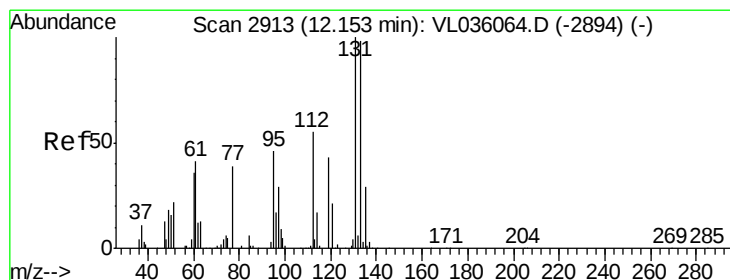
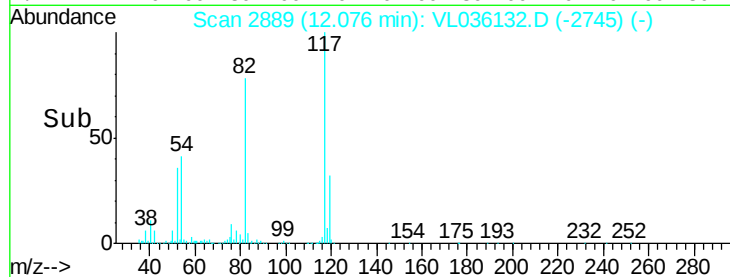
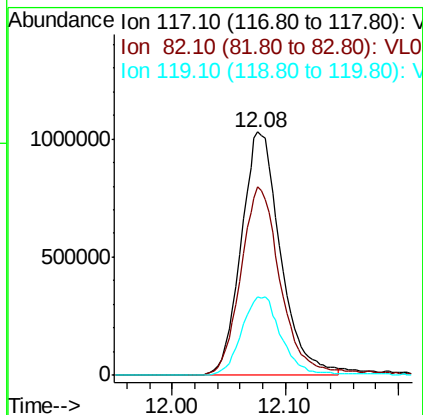
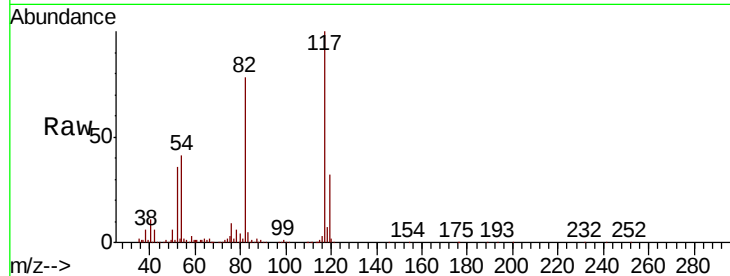
Ion 109.00 (108.70 to 109.70): V





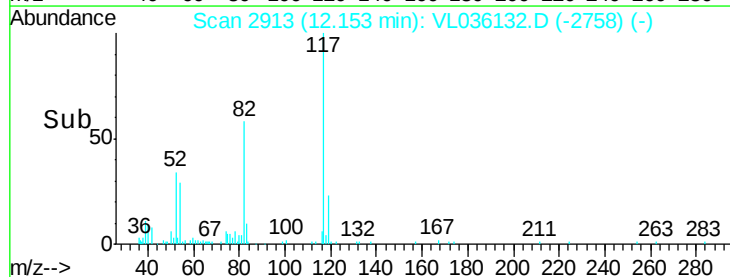
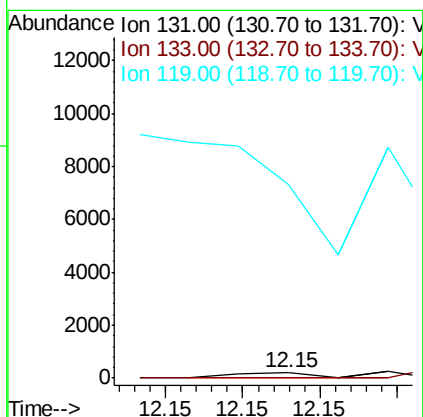
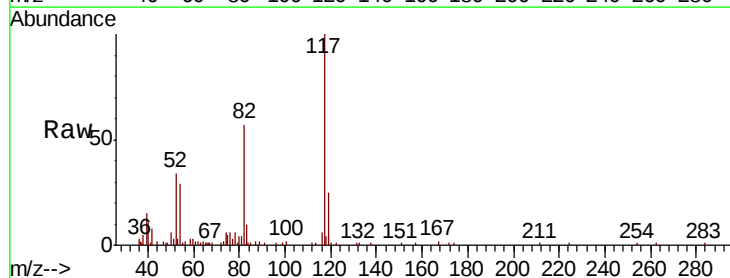
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2889
Delta R.T. -0.04 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

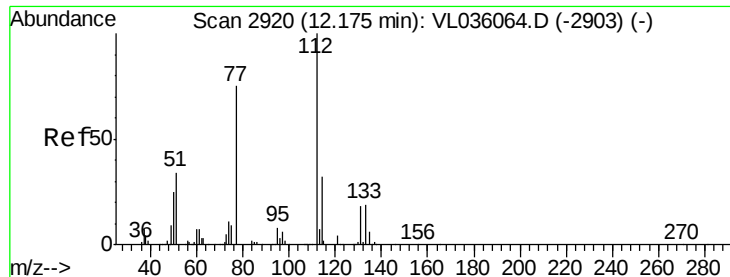
Tot Ion:117 Resp: 2489700
Ion Ratio Lower Upper
117 100
82 80.1 0.0 0.0#
119 32.6 0.0 0.0#



#56
1,1,1,2-Tetrachloroethane
Concen: 0.001 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

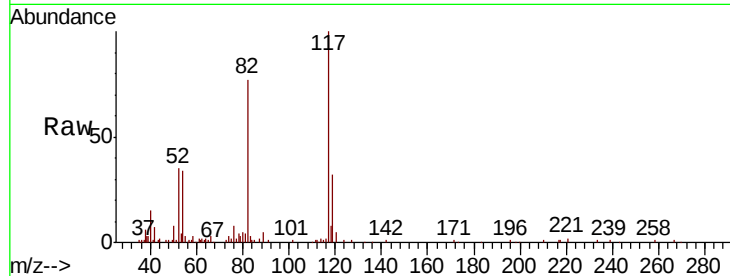
Tgt Ion:131 Resp: 70
Ion Ratio Lower Upper
131 100
133 0.0 77.7 116.5#
119 0.0 51.6 77.4#



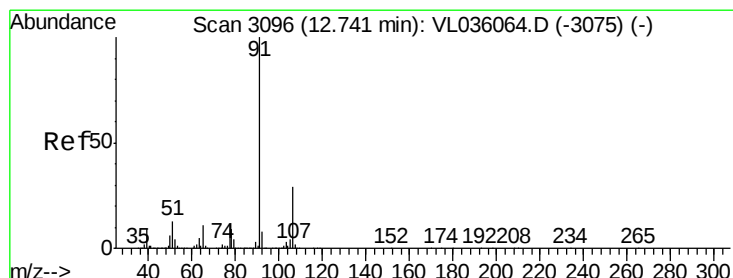
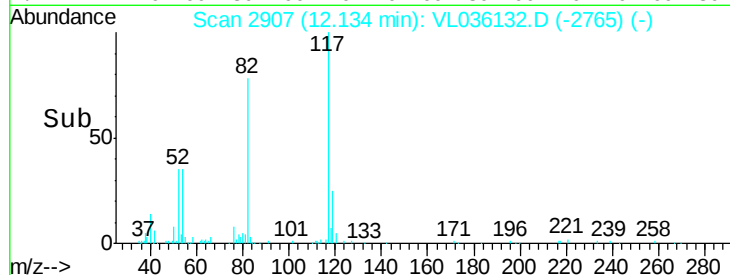
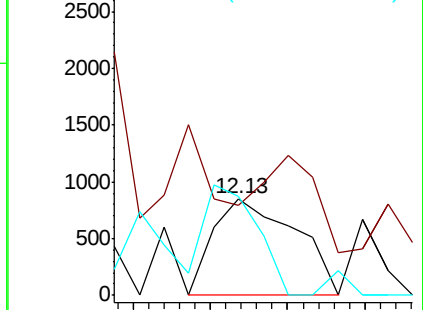


#57
Chlorobenzene
Concen: 0.004 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.04 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tot Ion: 112 Resp: 632
Ion Ratio Lower Upper
112 100
77 48.4 60.5 90.7#
114 78.6 29.2 35.6#

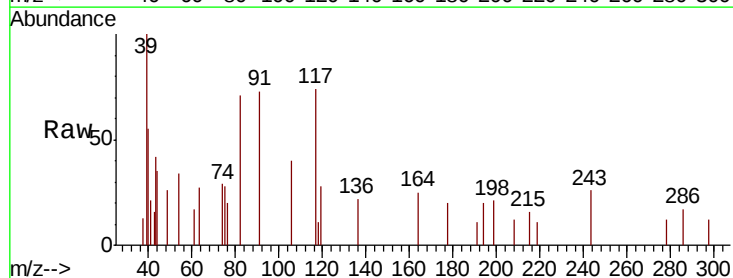


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

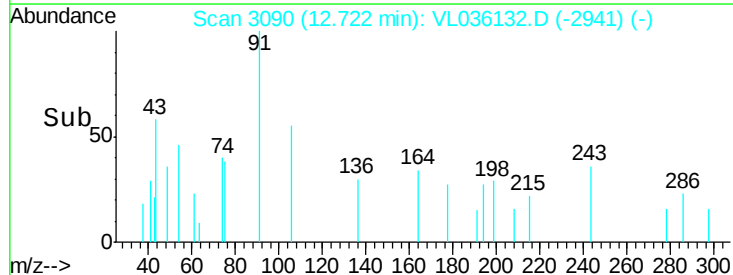
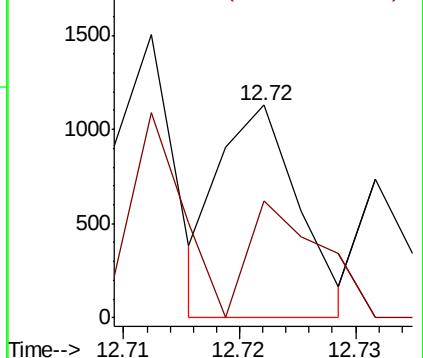


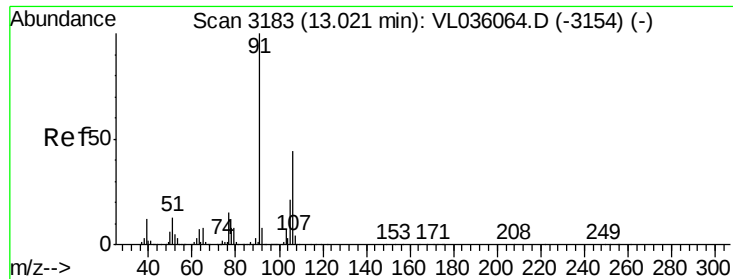
#58
Ethyl Benzene
Concen: 0.002 ppbv
RT: 12.72 min Scan# 3090
Delta R.T. -0.02 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion: 91 Resp: 533
Ion Ratio Lower Upper
91 100
106 29.1 23.0 34.4



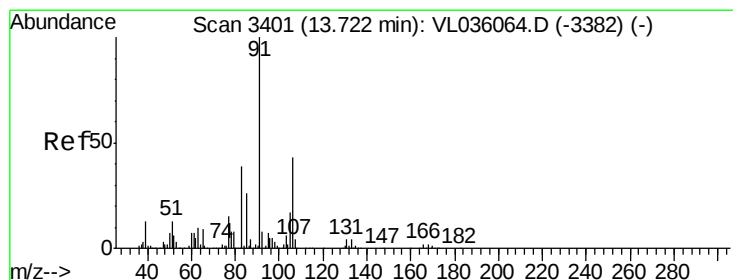
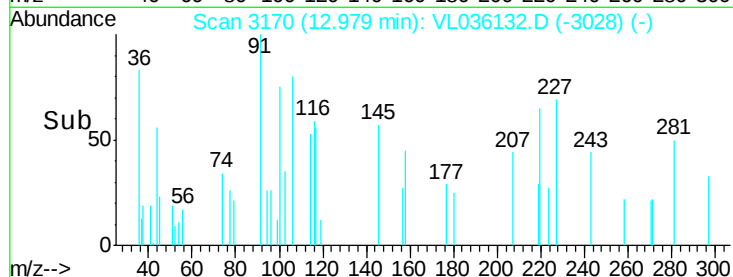
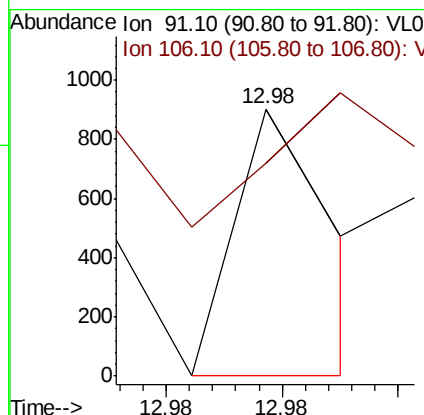
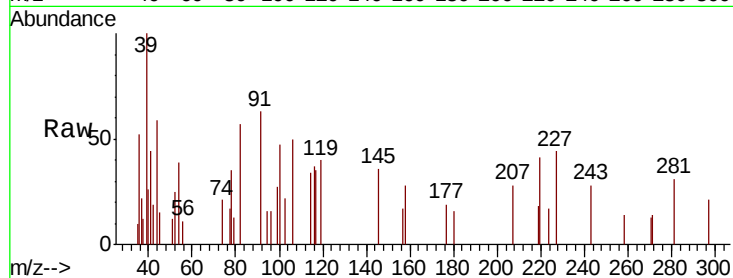
Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





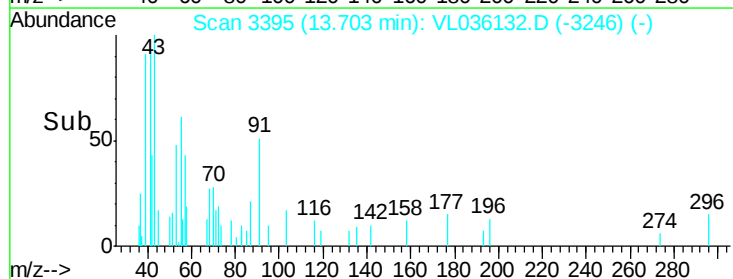
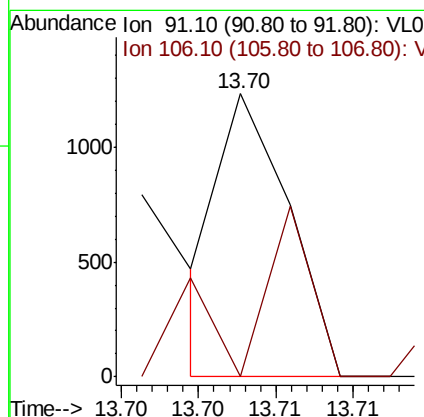
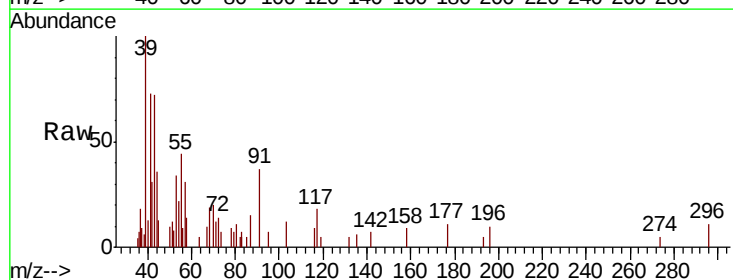
#59
m/p-Xylene
Concen: 0.001 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.04 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

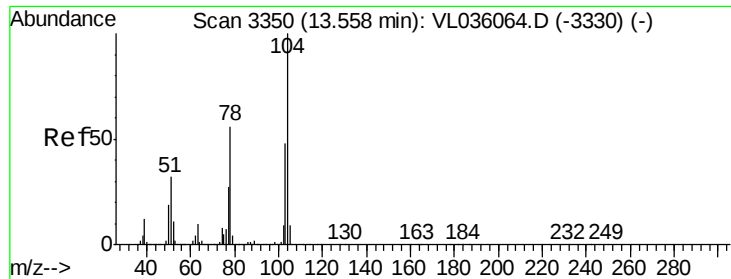
Tot Ion: 91 Resp: 265
Ion Ratio Lower Upper
91 100
106 467.2 33.6 50.4#



#60
o-Xylene
Concen: 0.001 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion: 91 Resp: 382
Ion Ratio Lower Upper
91 100
106 59.2 21.6 64.6





#61

Stvrene

Concen: 0.001 ppbv

RT: 13.52 min Scan# 3337

Delta R.T. -0.04 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

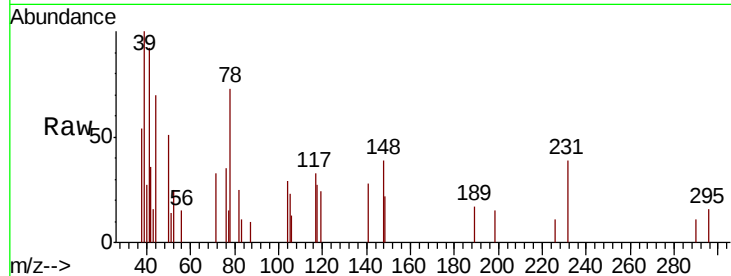
Tot Ion:104 Resp: 152

Ion Ratio Lower Upper

104 100

78 508.6 45.8 68.8#

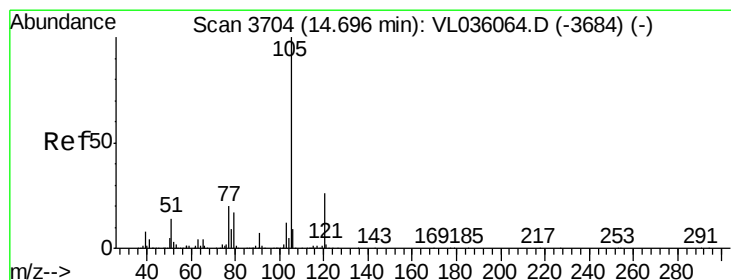
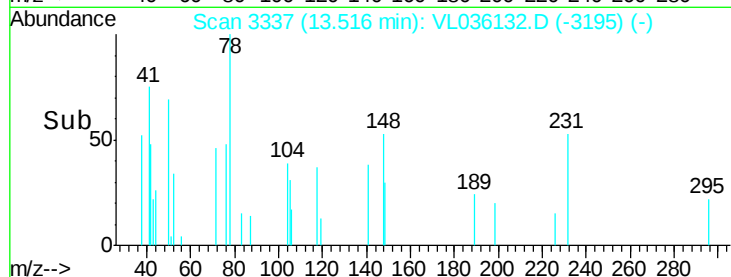
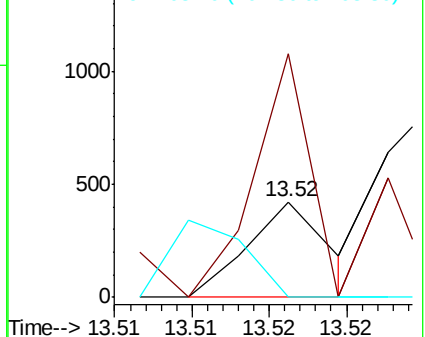
103 0.0 38.6 57.8#



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: 14.40 min Scan# 3613

Delta R.T. -0.29 min

Lab File: VL036132.D

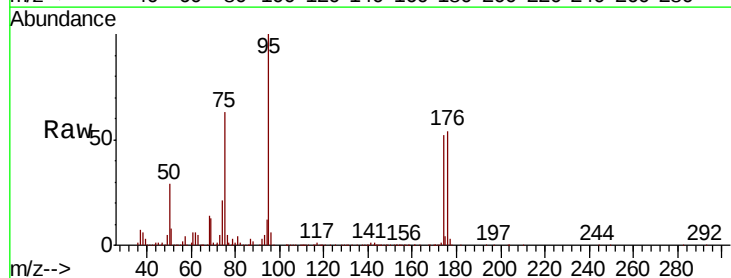
Acq: 10 Dec 2020 15:50

Tgt Ion:105 Resp: 577

Ion Ratio Lower Upper

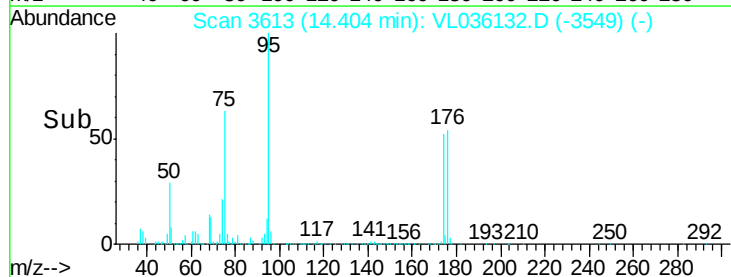
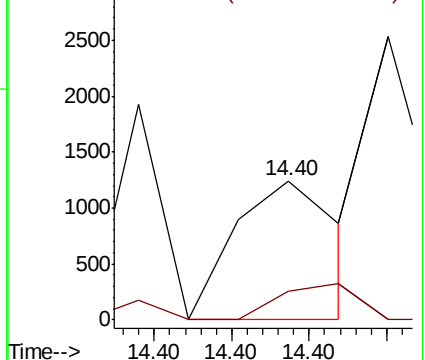
105 100

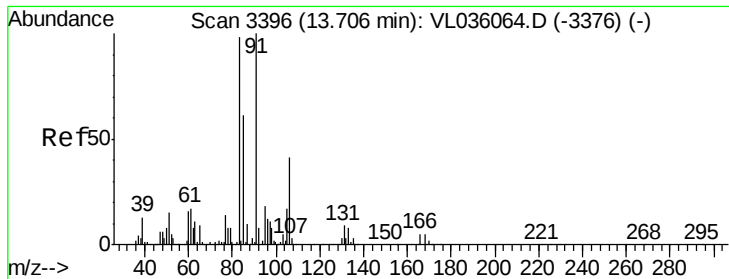
120 25.5 20.1 30.1



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: 0.003 ppbv

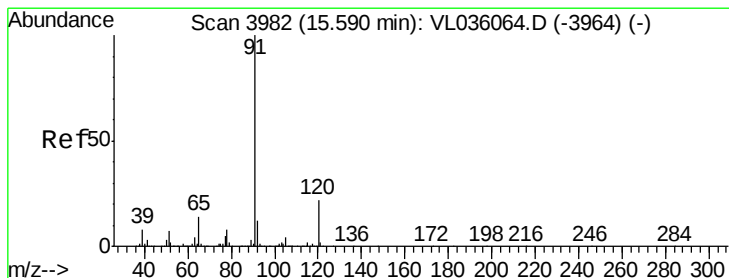
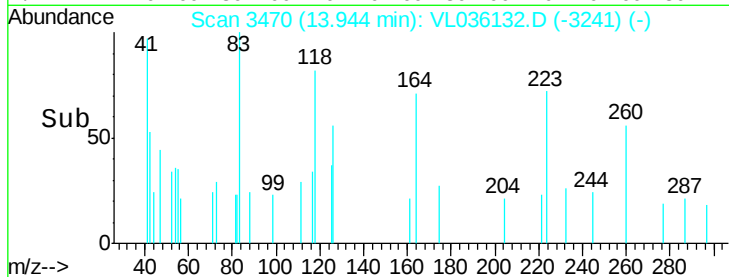
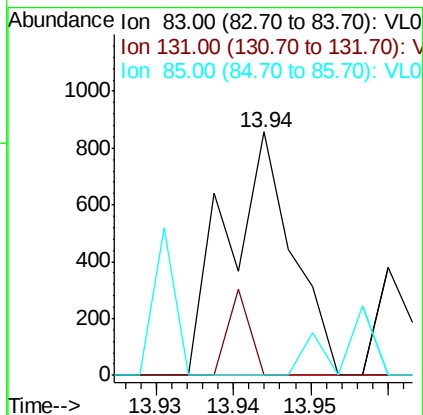
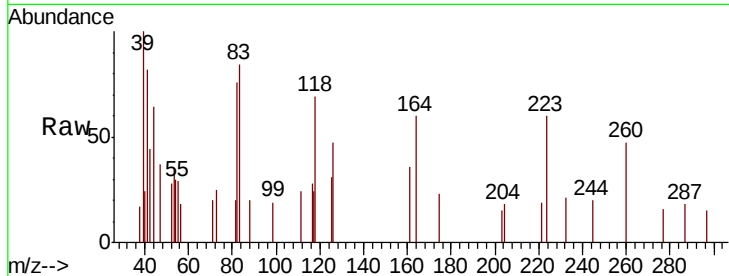
RT: 13.94 min Scan# 3470

Delta R.T. 0.24 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tot Ion:	83	Resp:	505
Ion	Ratio	Lower	Upper
83	100		
131	11.7	4.6	13.8
85	34.9	32.5	97.5



#64

n-propylbenzene

Concen: 0.001 ppbv

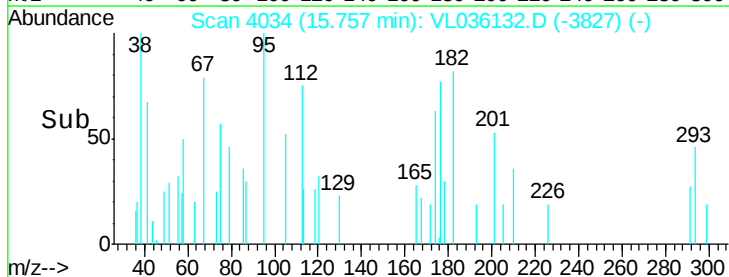
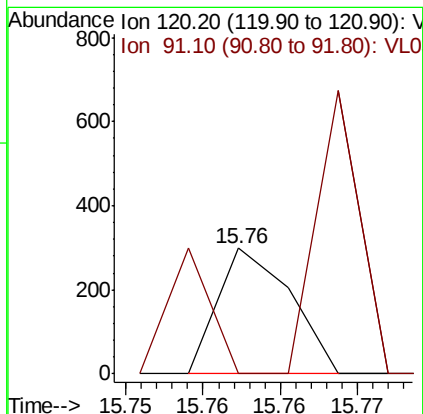
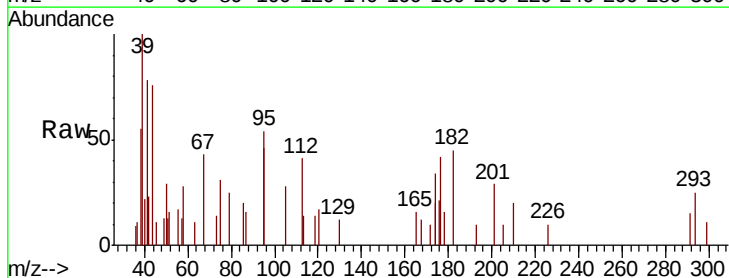
RT: 15.76 min Scan# 4034

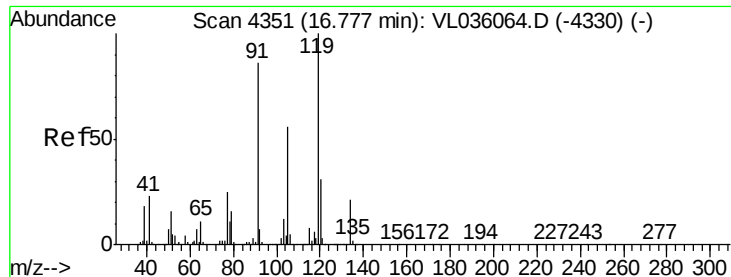
Delta R.T. 0.17 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion:	120	Resp:	97
Ion	Ratio	Lower	Upper
120	100		
91	581.4	388.9	583.3





#65

tert-Butylbenzene

Concen: 0.003 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. -0.05 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

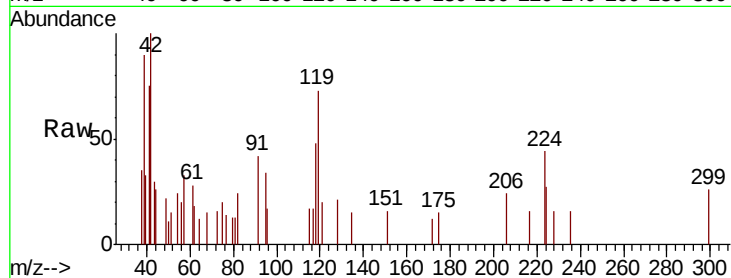
Tot Ion: 119 Resp: 830

Ion Ratio Lower Upper

119 100

91 0.0 70.2 105.2#

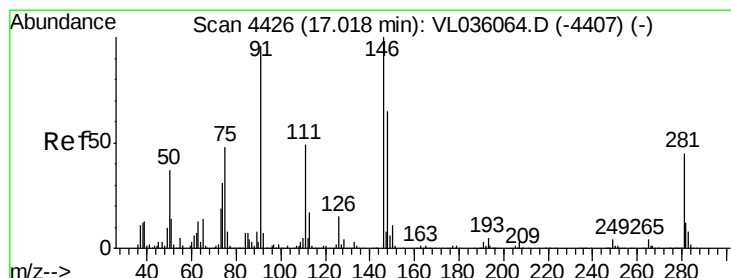
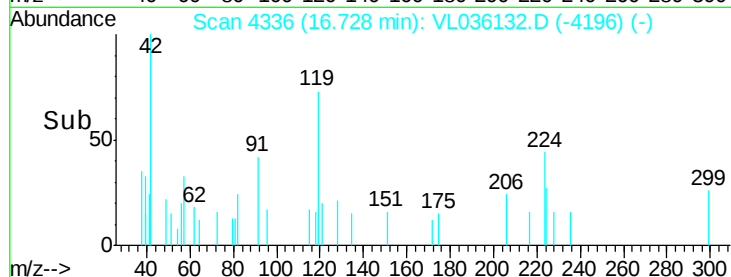
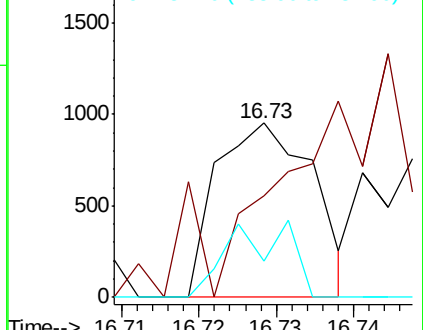
134 27.2 15.8 23.6#



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: 0.002 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.04 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

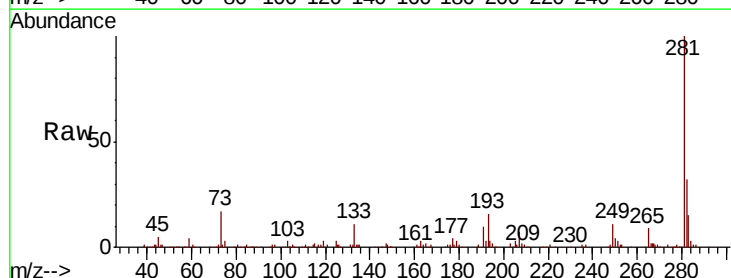
Tgt Ion: 91 Resp: 166

Ion Ratio Lower Upper

91 100

126 597.6 13.5 20.3#

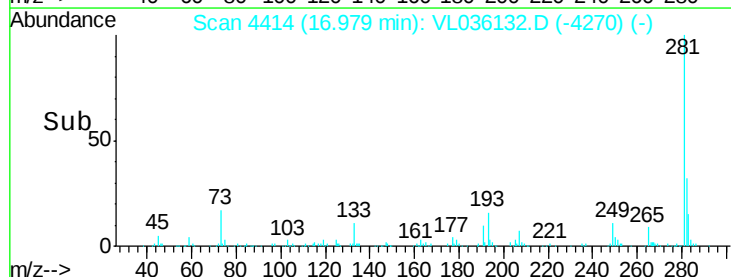
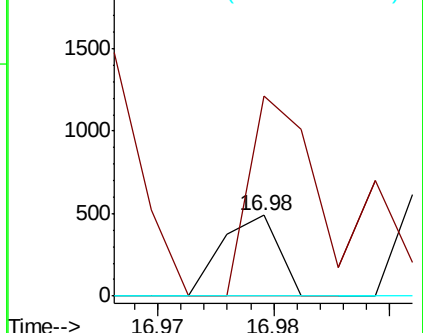
128 0.0 4.4 6.6#

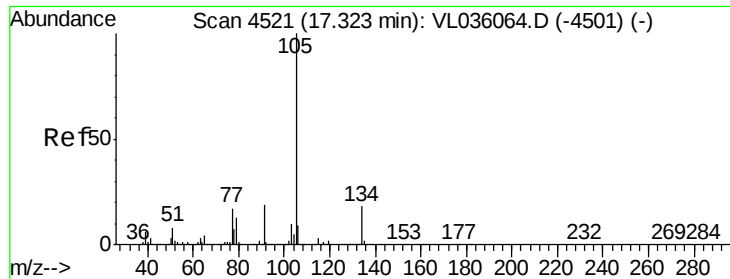


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

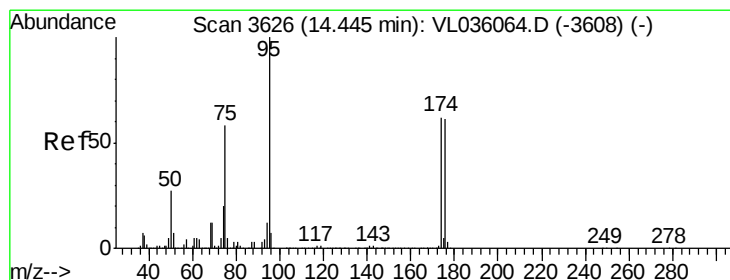
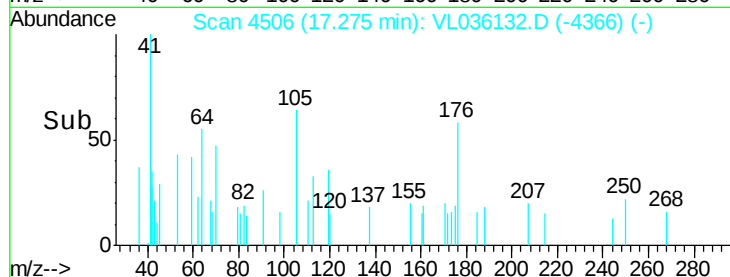
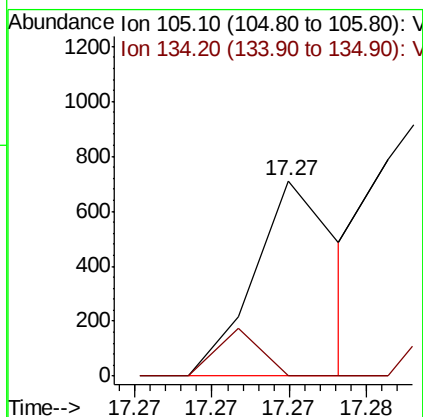
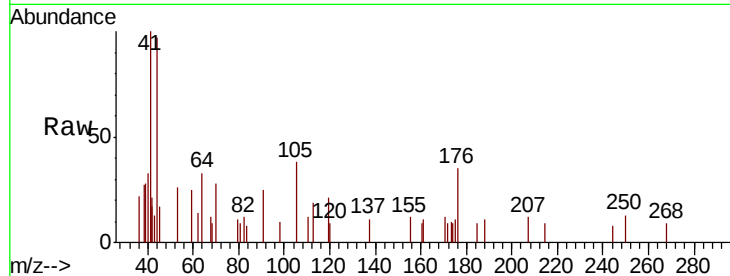
Ion 128.10 (127.80 to 128.80): V





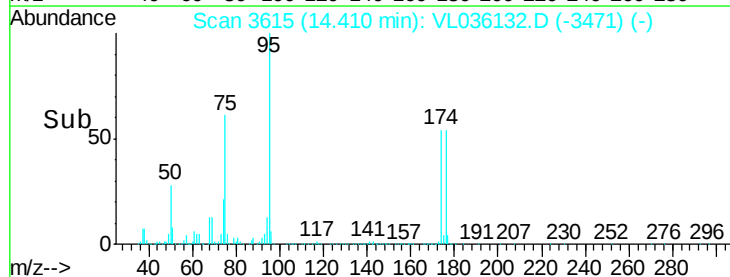
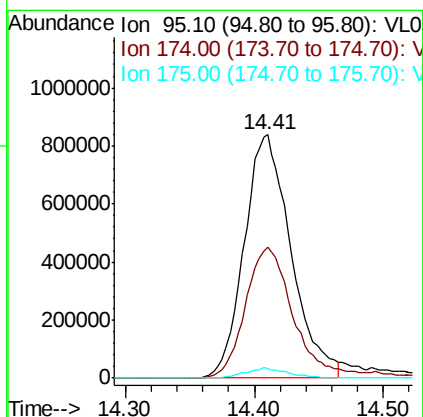
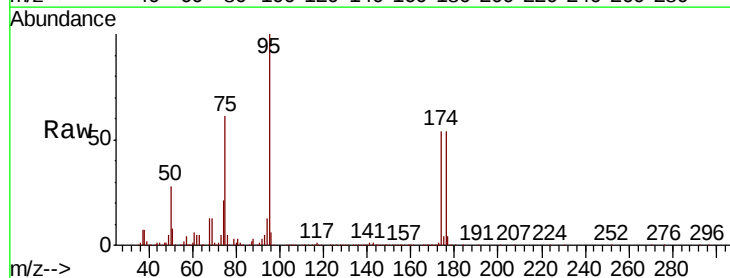
#67
 sec-Butylbenzene
 Concen: 0.001 ppbv
 RT: 17.27 min Scan# 4506
 Delta R.T. -0.05 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

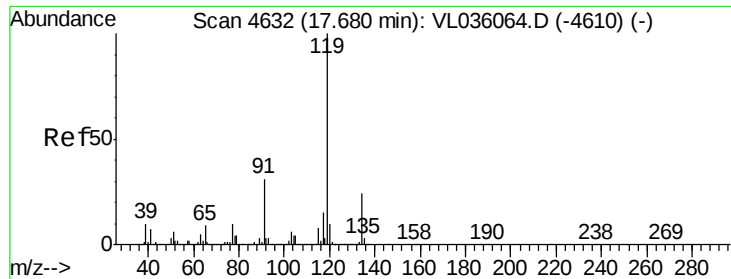
Tot Ion: 105 Resp: 273
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.2 21.4#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.732 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. -0.04 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

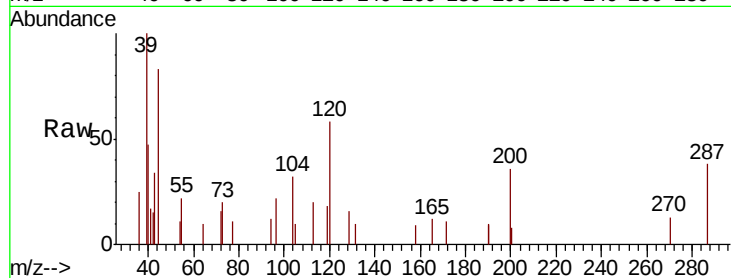
Tgt Ion: 95 Resp: 2121638
 Ion Ratio Lower Upper
 95 100
 174 56.5 50.7 76.1
 175 3.9 4.0 6.0#



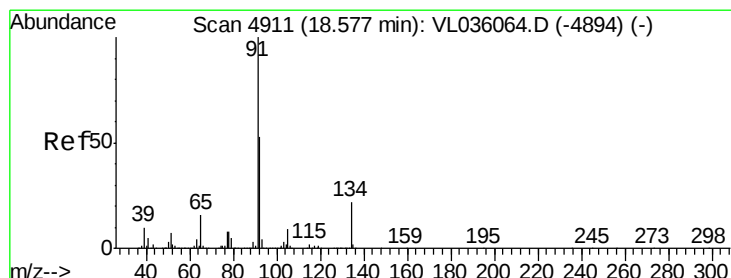
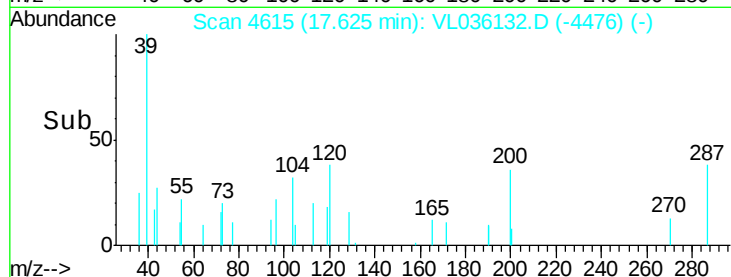
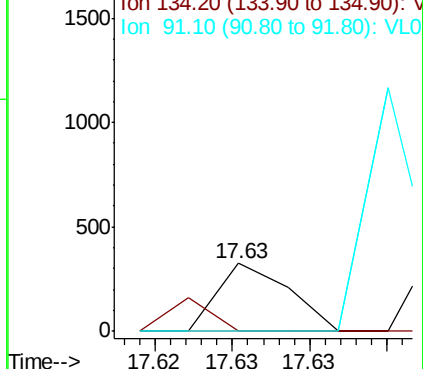


#69
 p-Isopropyltoluene
 Concen: 0.000 ppbv
 RT: 17.63 min Scan# 4615
 Delta R.T. -0.05 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tot Ion:	119	Resp:	103
Ion	Ratio	Lower	Upper
119	100		
134	0.0	19.8	29.6#
91	0.0	25.8	38.6#

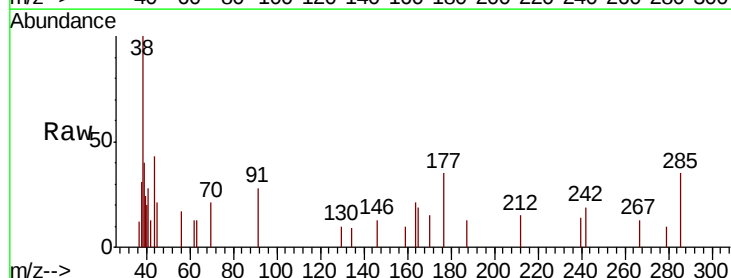


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

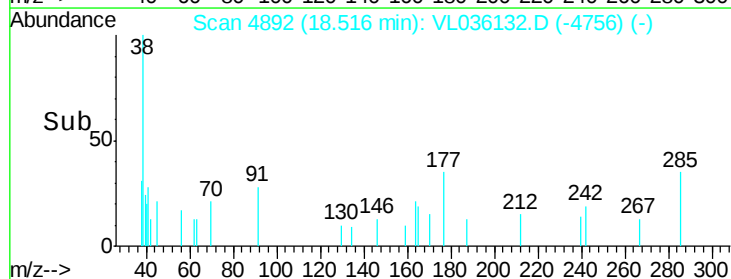
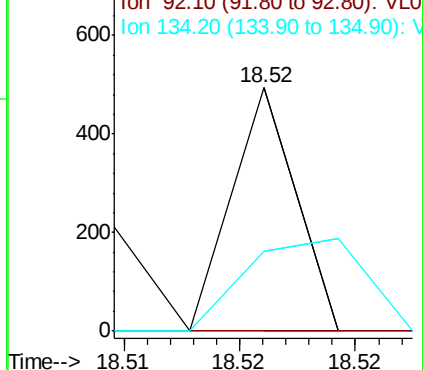


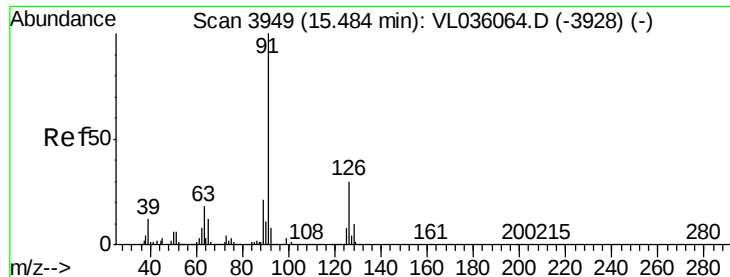
#70
 n-Butylbenzene
 Concen: 0.000 ppbv
 RT: 18.52 min Scan# 4892
 Delta R.T. -0.06 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tgt Ion:	91	Resp:	95
Ion	Ratio	Lower	Upper
91	100		
92	0.0	43.3	64.9#
134	0.0	17.1	25.7#



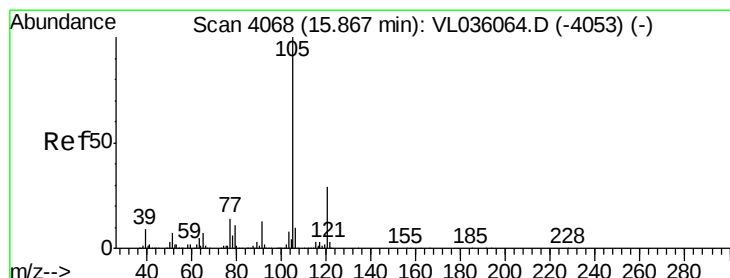
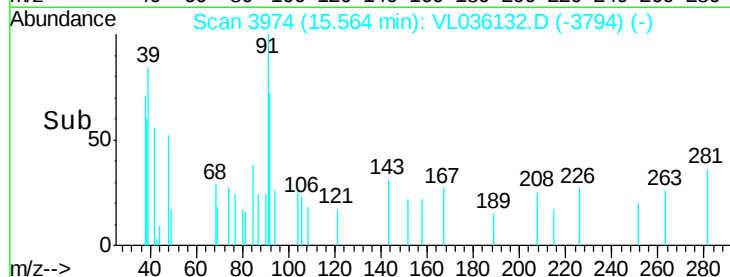
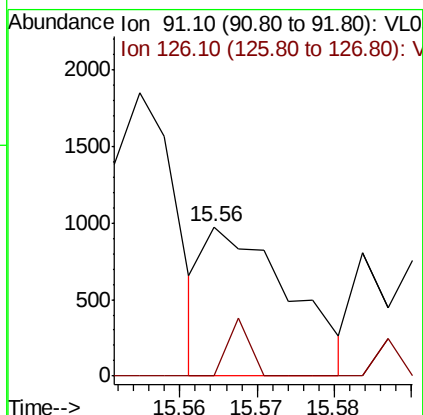
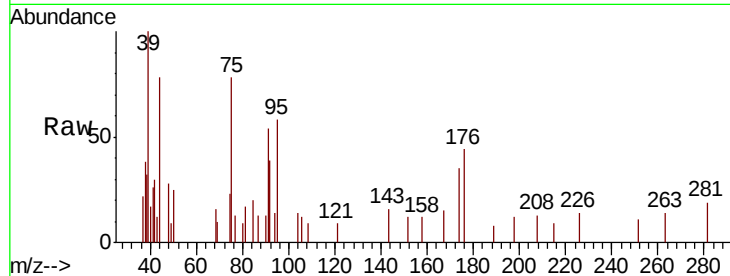
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





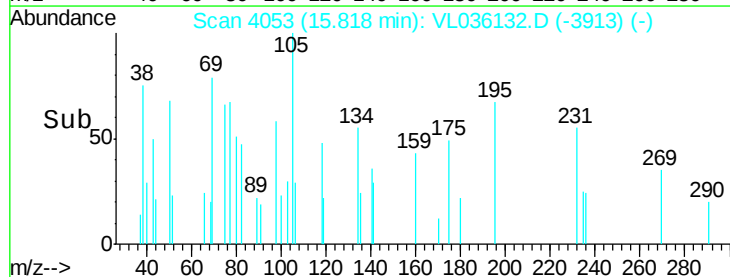
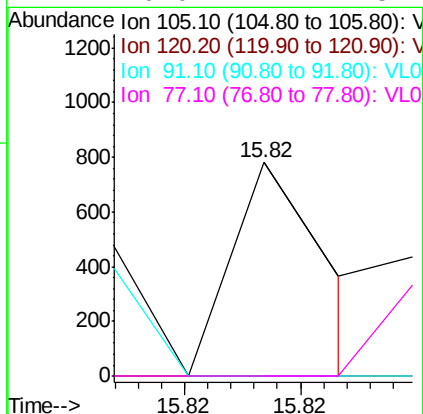
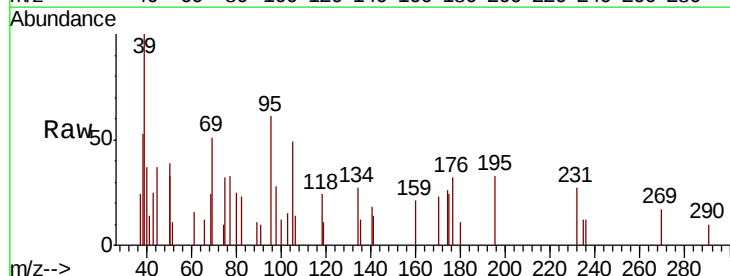
#71
 2-Chlorotoluene
 Concen: 0.002 ppbv
 RT: 15.56 min Scan# 3974
 Delta R.T. 0.08 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

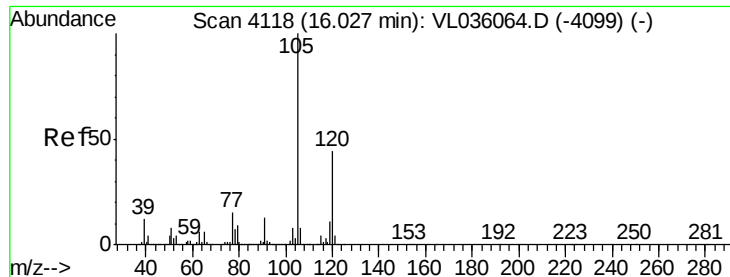
Tot Ion: 91 Resp: 746
 Ion Ratio Lower Upper
 91 100
 126 16.2 11.6 46.4



#72
 4-Ethyltoluene
 Concen: 0.001 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. -0.05 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tgt Ion: 105 Resp: 221
 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#





#73

1,3,5-Trimethylbenzene

Concen: 0.002 ppbv

RT: 15.98 min Scan# 4104

Delta R.T. -0.05 min

Lab File: VL036132.D

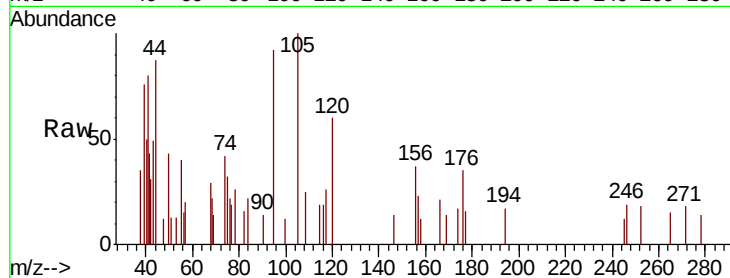
Acq: 10 Dec 2020 15:50

Tot Ion:105 Resp: 454

Ion Ratio Lower Upper

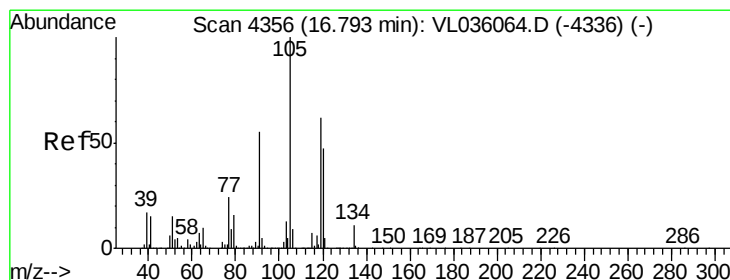
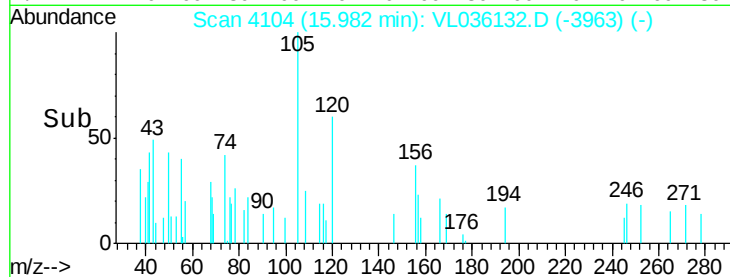
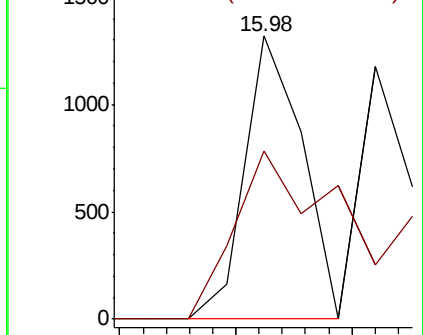
105 100

120 59.6 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: 0.004 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.05 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

Tgt Ion:105 Resp: 1006

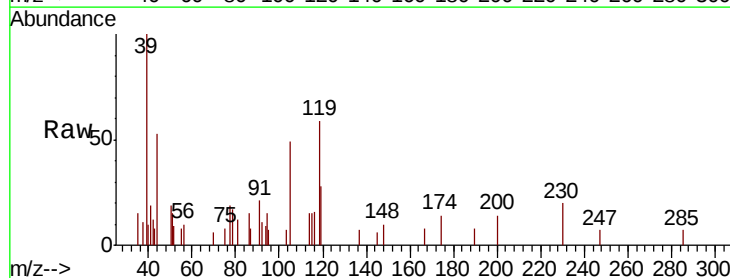
Ion Ratio Lower Upper

105 100

120 0.0 37.4 56.0#

91 25.7 45.6 68.4#

77 39.2 19.4 29.2#

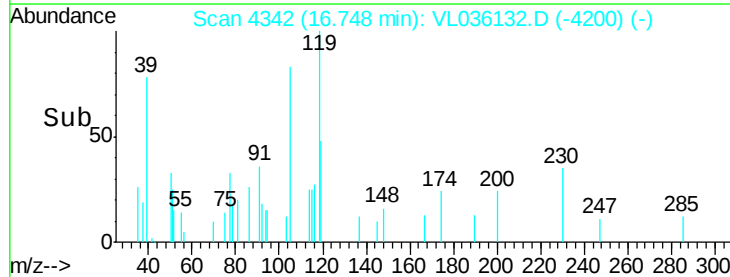
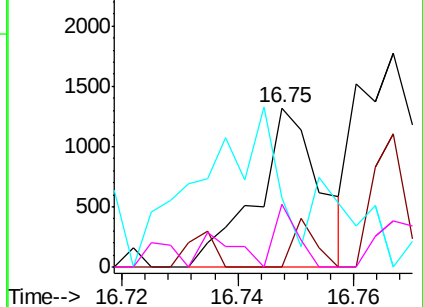


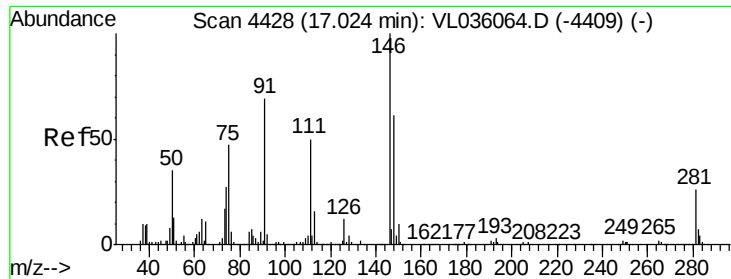
Abundance Ion 105.10 (104.80 to 105.80): V

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: 0.001 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.05 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

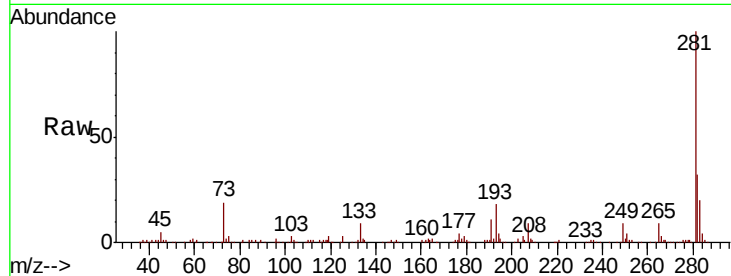
Tot Ion:146 Resp: 86

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.3#

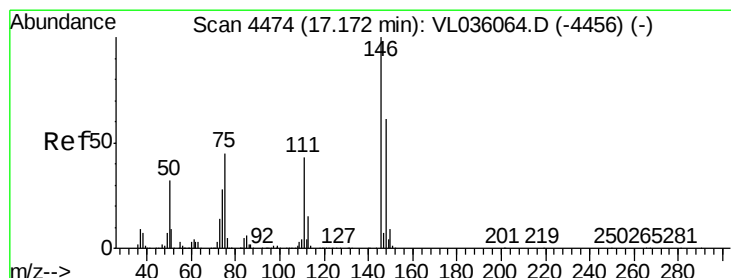
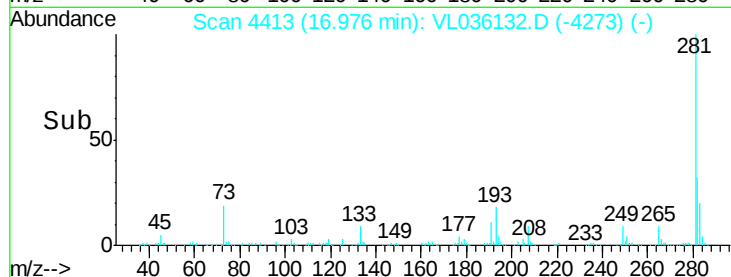
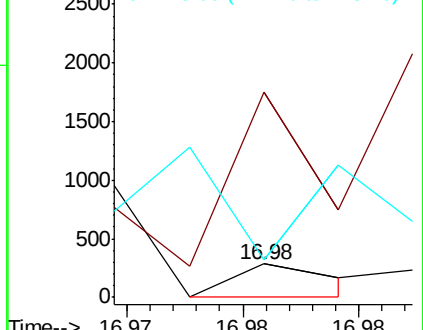
148 2346.5 32.9 98.6#



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: 0.005 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.04 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

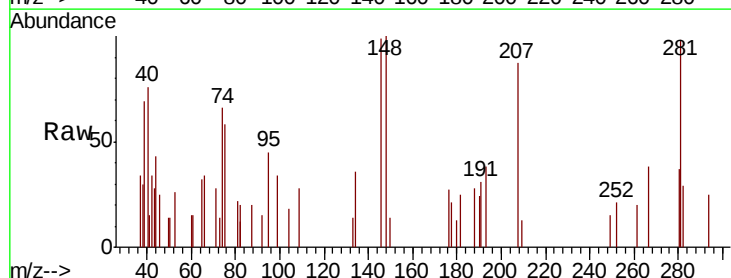
Tgt Ion:146 Resp: 776

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

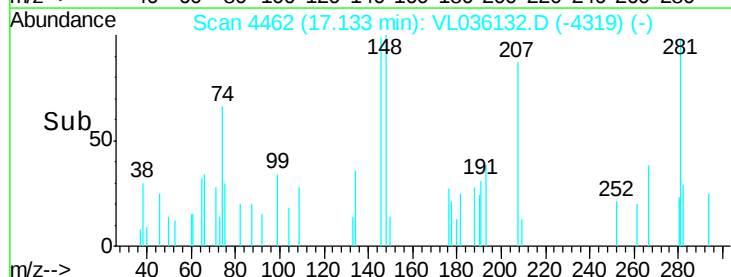
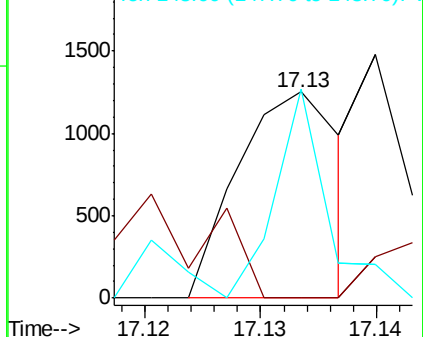
148 80.9 32.8 98.3

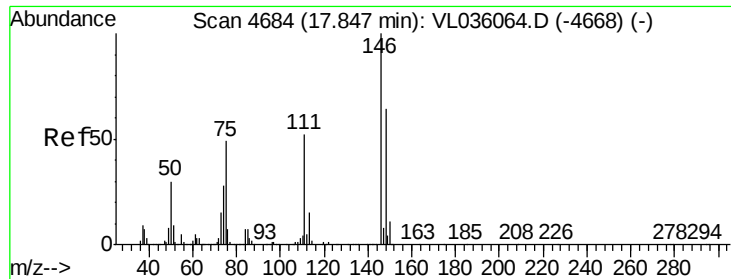


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.005 ppbv

RT: 17.82 min Scan# 4675

Delta R.T. -0.03 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

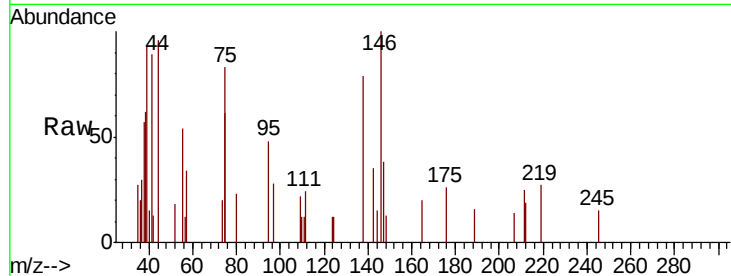
Tot Ion:146 Resp: 635

Ion Ratio Lower Upper

146 100

111 155.4 26.1 78.2#

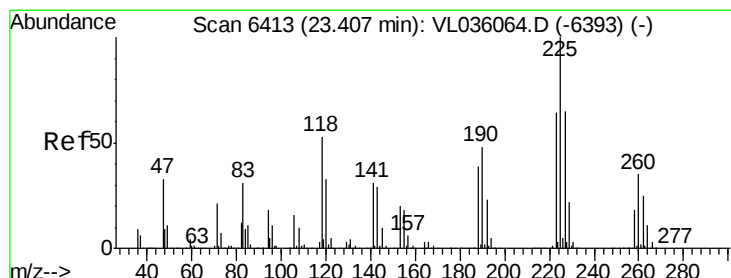
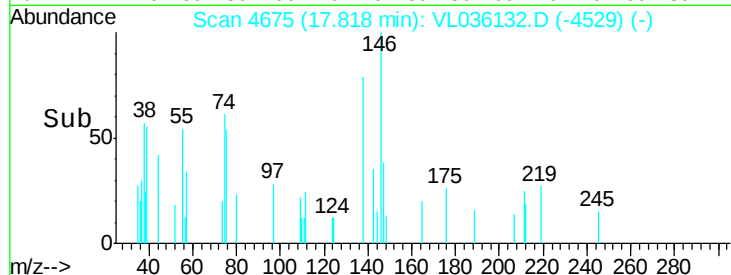
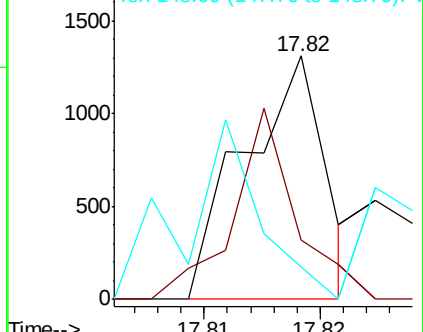
148 204.6 33.1 99.5#



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



#78

Hexachloro-1,3-Butadiene

Concen: 0.001 ppbv

RT: 23.34 min Scan# 6393

Delta R.T. -0.06 min

Lab File: VL036132.D

Acq: 10 Dec 2020 15:50

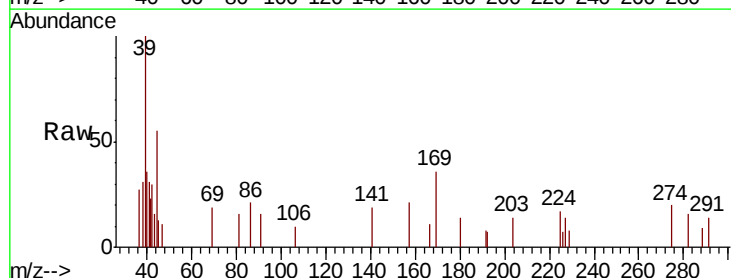
Tgt Ion:225 Resp: 112

Ion Ratio Lower Upper

225 100

223 0.0 51.1 76.7#

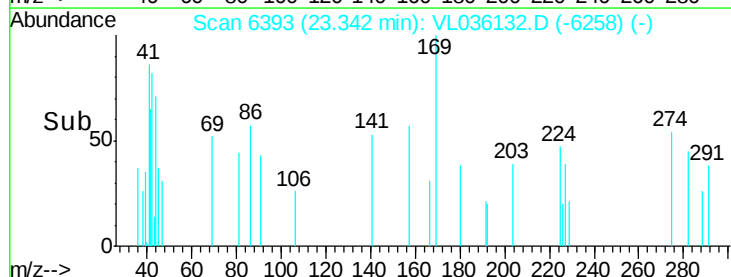
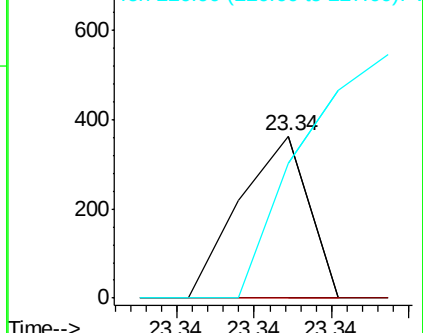
227 0.0 51.7 77.5#

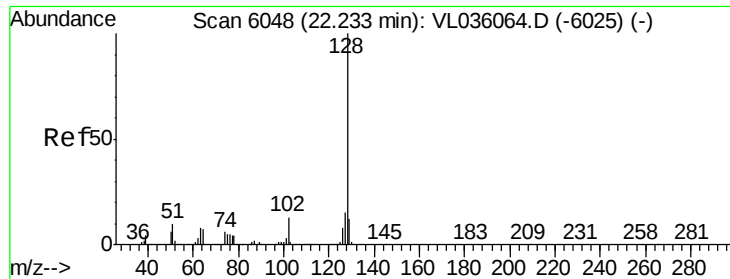


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

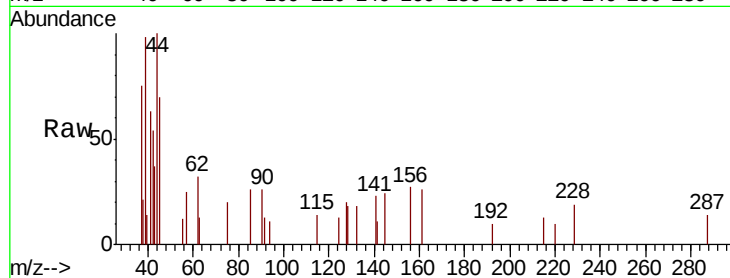
Ion 226.90 (226.60 to 227.60): V



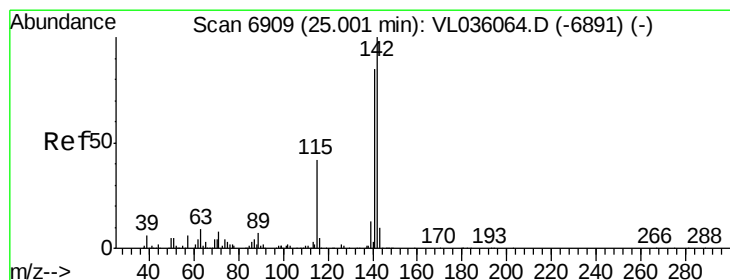
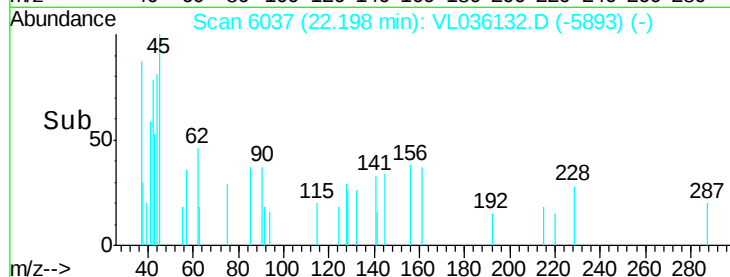
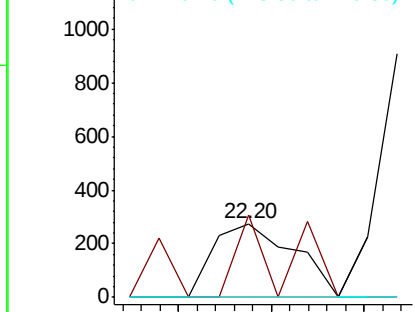


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.20 min Scan# 6037
Delta R.T. -0.04 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tot Ion	Ratio	Lower	Upper
128	100		
127	111.3	11.7	17.5#
129	0.0	9.3	13.9#

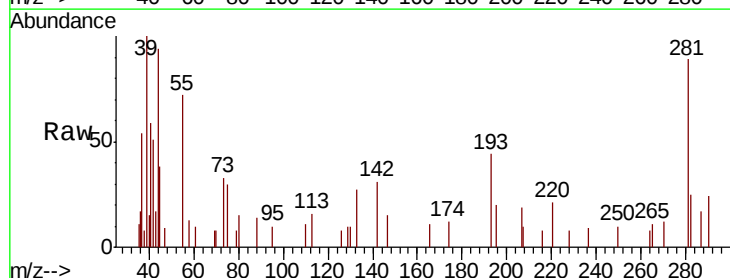


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

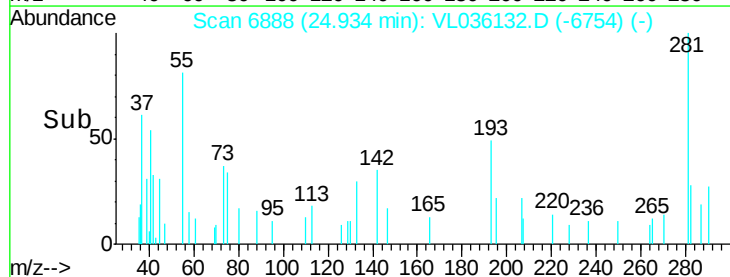
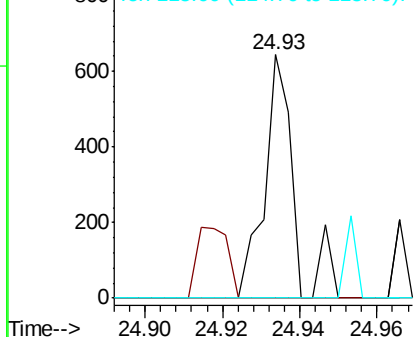


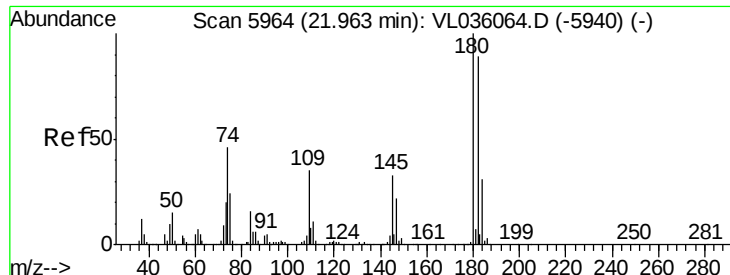
#80
Naphthalene, 2-methyl-
Concen: 0.010 ppbv
RT: 24.93 min Scan# 6888
Delta R.T. -0.07 min
Lab File: VL036132.D
Acq: 10 Dec 2020 15:50

Tgt Ion	Ratio	Lower	Upper
142	100		
141	31.9	64.3	96.5#
115	0.0	33.9	50.9#



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





#81

1,2,4-Trichlorobenzene
 Concen: 0.002 ppbv
 RT: 21.93 min Scan# 5955
 Delta R.T. -0.03 min
 Lab File: VL036132.D
 Acq: 10 Dec 2020 15:50

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	0.0	0.0#
184	0.0	0.0	0.0

