

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121020\
 Data File : VL036151.D
 Acq On : 11 Dec 2020 6:02
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Dec 11 07:52:29 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	1234654	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2498341	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.07	117	2293700	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1934196	10.62	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.20%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	253	0.002 ppbv	# 42
3) Chlorodifluoromethane	2.98	51	126	0.001 ppbv	# 1
4) Chloromethane	3.12	50	608	0.009 ppbv	# 42
5) Vinyl Chloride	3.24	62	178	0.002 ppbv	# 42
6) Bromomethane	3.58	94	79	0.002 ppbv	# 1
7) Chloroethane	3.76	64	157	0.006 ppbv	# 40
8) Dichlorotetrafluoroethane	3.20	85	130	0.001 ppbv	92
9) Propene	3.00	41	996	0.014 ppbv	# 14
10) Heptane	8.10	43	158	0.001 ppbv	# 29
11) Trichlorofluoromethane	4.19	101	63	0.000 ppbv	# 19
12) 1,1,2-Trichlorotrifluoroet	4.49	101	205	0.002 ppbv	93
14) Bromoethene	3.73	108	106	0.002 ppbv	# 1
15) Acetone	3.87	43	25042m	0.169 ppbv	
16) 1,3-Butadiene	3.32	39	415	0.006 ppbv	# 11
17) tert-Butyl alcohol	4.31	59	238	0.002 ppbv	# 1
18) 1,1-Dichloroethene	4.26	96	104	0.002 ppbv	# 9
19) Isopropyl Alcohol	3.97	45	186	0.002 ppbv	# 100
20) Methylene Chloride	4.33	84	1475	0.024 ppbv	# 70
21) Allvl Chloride	4.40	41	53	0.001 ppbv	# 18
22) trans-1,2-Dichloroethene	4.87	96	91	0.002 ppbv	# 1
23) Vinyl Acetate	5.06	43	959	0.005 ppbv	# 1
24) 1,1-Dichloroethane	4.99	63	139	0.001 ppbv	# 88
25) Ethyl Acetate	5.66	43	440	0.001 ppbv	# 1
26) Hexane	5.70	57	92	0.001 ppbv	# 1
27) Carbon Disulfide	4.55	76	178	0.001 ppbv	# 1
28) Methyl tert-Butyl Ether	5.02	73	33	0.000 ppbv	# 51
29) Chloroform	5.74	83	191	0.001 ppbv	# 1
30) Cyclohexane	7.10	84	66	0.001 ppbv	# 1
31) cis-1,2-Dichloroethene	5.54	61	416	0.003 ppbv	# 36
32) 1,1,1-Trichloroethane	6.50	97	42	0.000 ppbv	# 21
34) 2-Butanone	5.24	43	1834	0.011 ppbv	# 56
35) Carbon Tetrachloride	7.00	117	35	0.000 ppbv	# 13
36) Benzene	6.88	78	785	0.004 ppbv	# 8
37) 1,2-Dichloroethane	6.29	62	275	0.002 ppbv	# 83
38) Trichloroethene	7.82	130	134	0.002 ppbv	# 46
40) 1,4-Dioxane	7.81	88	201	0.008 ppbv	# 1
41) Tetrahydrofuran	6.08	42	127	0.001 ppbv	# 28
42) Bromodichloromethane	7.77	83	992	0.006 ppbv	# 25
43) Methyl Methacrylate	7.99	69	204	0.002 ppbv	# 1
44) 2,2,4-Trimethylpentane	7.84	57	369	0.001 ppbv	# 49
45) t-1,3-Dichloropropene	9.59	75	189	0.002 ppbv	92

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

Response via : Initial Calibration

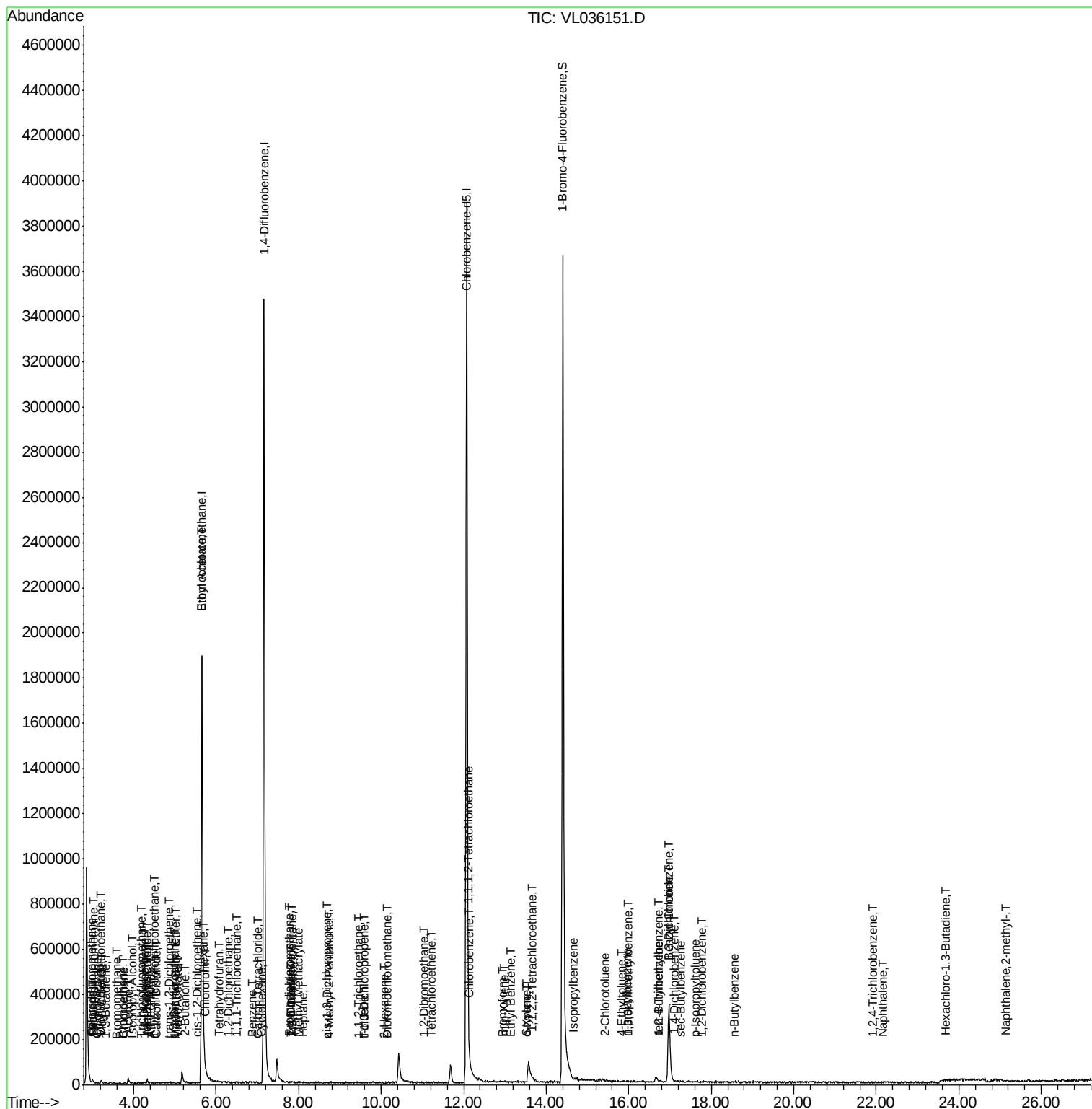
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

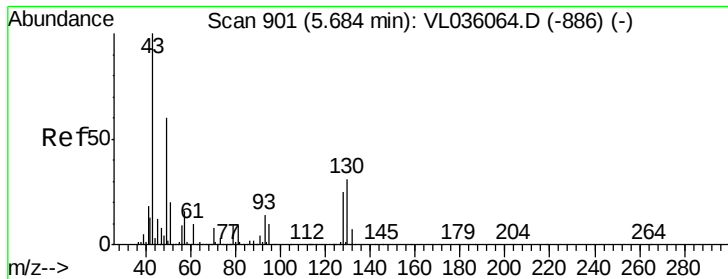
46) cis-1,3-Dichloropropene	8.69	75	31	0.000	ppbv #	1
47) 1,1,2-Trichloroethane	9.45	97	301	0.004	ppbv #	56
48) Dibromochloromethane	10.13	129	134	0.001	ppbv	98
49) Bromoform	12.94	173	56	0.001	ppbv #	1
50) 4-Methyl-2-Pentanone	8.73	43	400	0.002	ppbv #	40
51) 2-Hexanone	10.08	43	188	0.001	ppbv #	29
52) Tetrachloroethene	11.21	164	389	0.005	ppbv #	8
53) Toluene	9.59	91	160	0.001	ppbv	94
54) 1,2-Dibromoethane	11.02	107	82	0.001	ppbv	85
56) 1,1,1,2-Tetrachloroethane	12.11	131	234	0.002	ppbv #	8
57) Chlorobenzene	12.14	112	623	0.004	ppbv #	29
58) Ethyl Benzene	13.14	91	105	0.000	ppbv	98
59) m/p-Xylene	12.98	91	645	0.002	ppbv #	34
60) o-Xylene	13.51	91	82	0.000	ppbv	70
61) Styrene	13.52	104	211	0.001	ppbv #	1
62) Isopropylbenzene	14.65	105	698	0.002	ppbv #	50
63) 1,1,2,2-Tetrachloroethane	13.66	83	169	0.001	ppbv #	25
64) n-propylbenzene	15.97	120	75	0.001	ppbv	89
65) tert-Butylbenzene	16.72	119	110	0.000	ppbv #	15
66) Benzyl Chloride	16.98	91	497	0.007	ppbv #	1
67) sec-Butylbenzene	17.27	105	326	0.001	ppbv #	60
69) p-Isopropyltoluene	17.63	119	116	0.000	ppbv #	1
70) n-Butylbenzene	18.55	91	217	0.001	ppbv #	1
71) 2-Chlorotoluene	15.43	91	264	0.001	ppbv #	46
72) 4-Ethyltoluene	15.82	105	31	0.000	ppbv #	1
73) 1,3,5-Trimethylbenzene	15.97	105	484	0.002	ppbv #	32
74) 1,2,4-Trimethylbenzene	16.74	105	309	0.001	ppbv #	31
75) 1,3-Dichlorobenzene	16.97	146	181	0.001	ppbv #	22
76) 1,4-Dichlorobenzene	17.11	146	130	0.001	ppbv #	22
77) 1,2-Dichlorobenzene	17.79	146	29	0.000	ppbv #	1
78) Hexachloro-1,3-Butadiene	23.68	225	182	0.002	ppbv	95
79) Naphthalene	22.15	128	93	0.001	ppbv #	1
80) Naphthalene,2-methyl-	25.15	142	78	0.003	ppbv #	42
81) 1,2,4-Trichlorobenzene	21.91	180	66	0.001	ppbv #	100

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

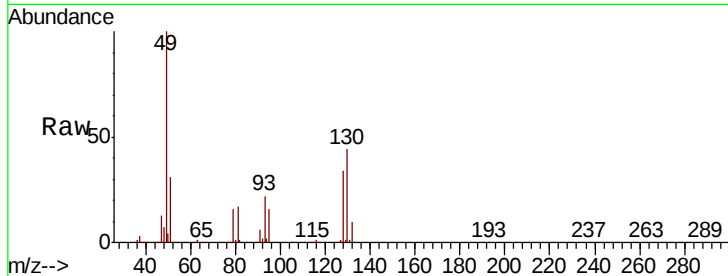
Tot Ion: 49 Resp: 1234654

Ion	Ratio	Lower	Upper
49	100		
128	37.1	21.1	63.1
130	48.9	27.1	81.3

49 100

128 37.1 21.1 63.1

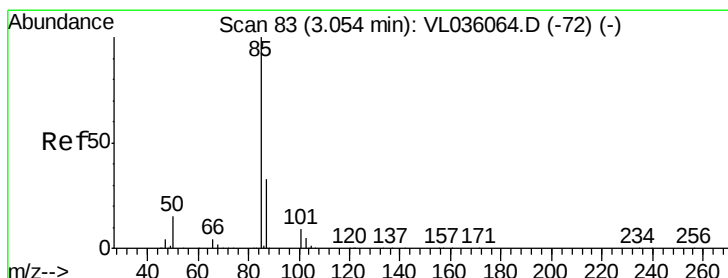
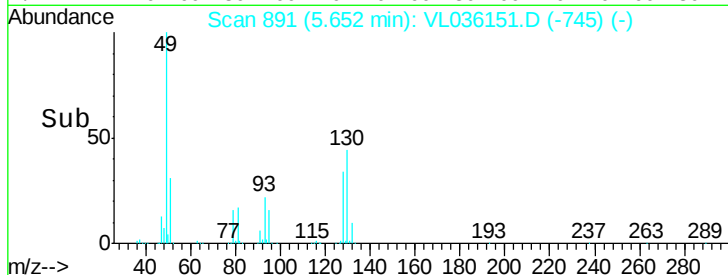
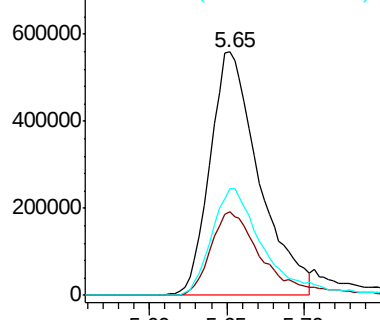
130 48.9 27.1 81.3



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



#2

Dichlorodifluoromethane

Concen: 0.002 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.03 min

Lab File: VL036151.D

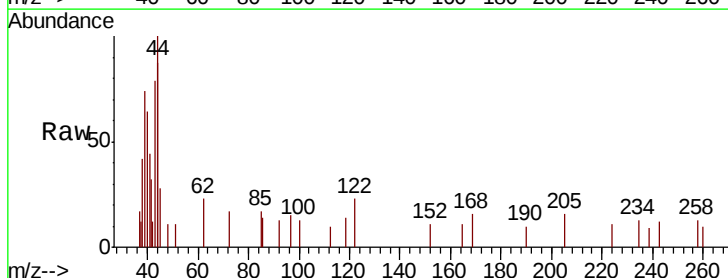
Acq: 11 Dec 2020 6:02

Tgt Ion: 85 Resp: 253

Ion	Ratio	Lower	Upper
85	100		
87	0.0	26.5	39.7

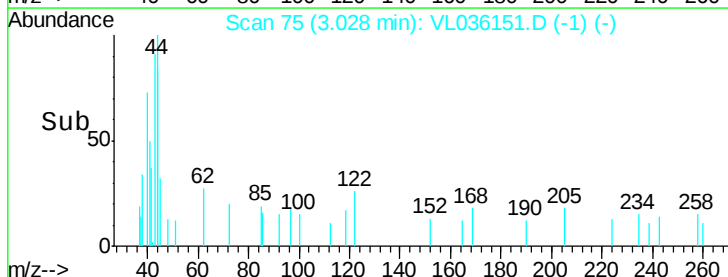
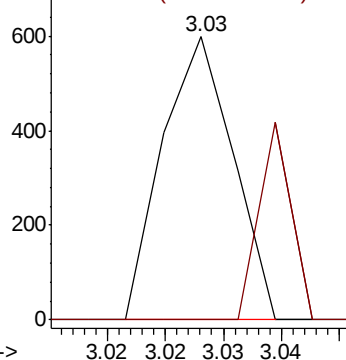
85 100

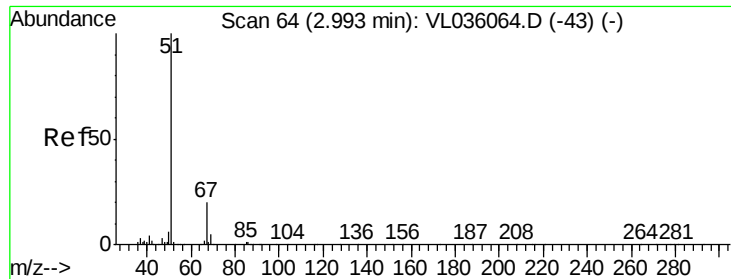
87 0.0 26.5 39.7



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# 61

Delta R.T. -0.01 min

Lab File: VL036151.D

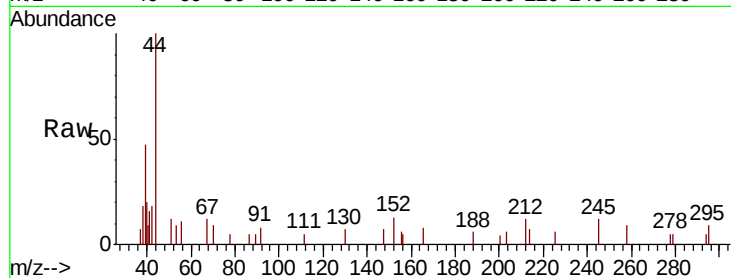
Acq: 11 Dec 2020 6:02

Tot Ion: 51 Resp: 126

Ion Ratio Lower Upper

51 100

67 111.1 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

2.98

400

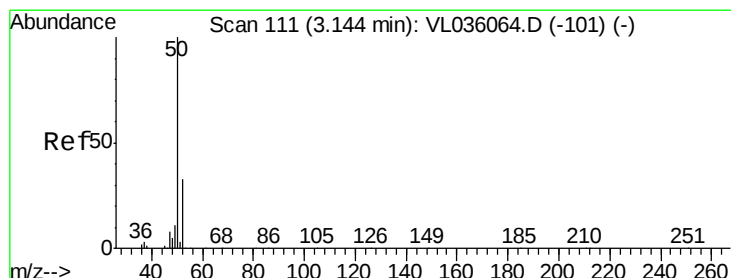
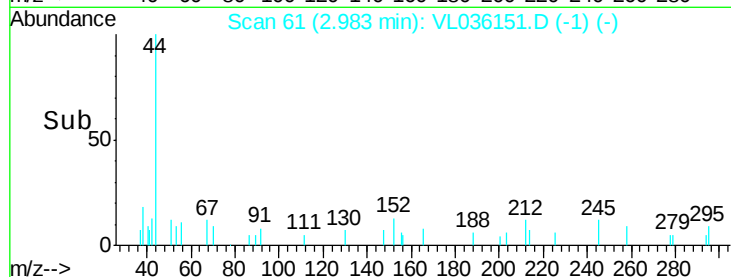
300

200

100

0

Time-->



#4

Chloromethane

Concen: 0.009 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL036151.D

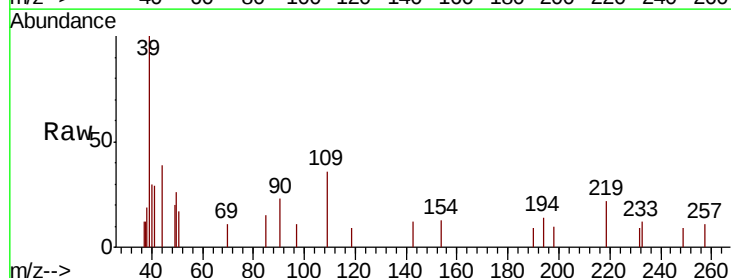
Acq: 11 Dec 2020 6:02

Tgt Ion: 50 Resp: 608

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

3.12

800

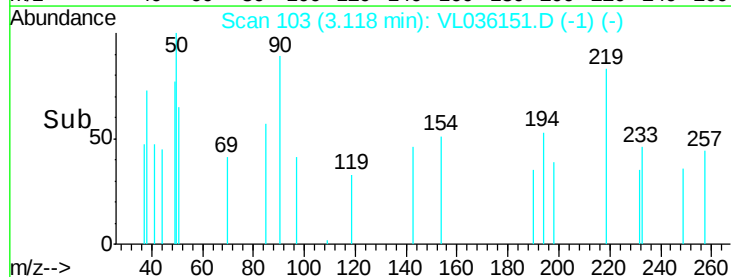
600

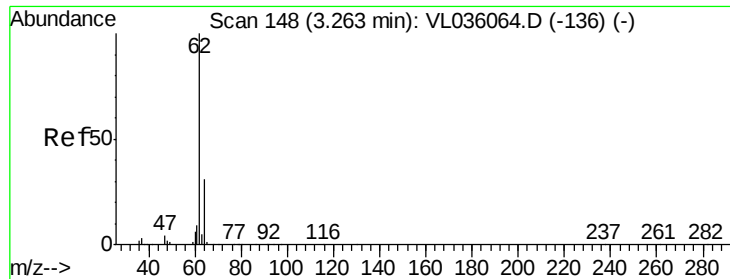
400

200

0

Time-->





#5

Vinyl Chloride

Concen: 0.002 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL036151.D

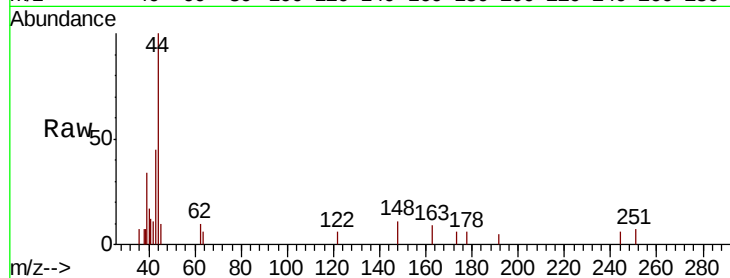
Acq: 11 Dec 2020 6:02

Tot Ion: 62 Resp: 178

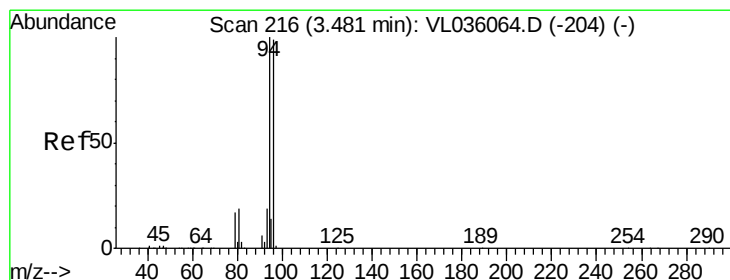
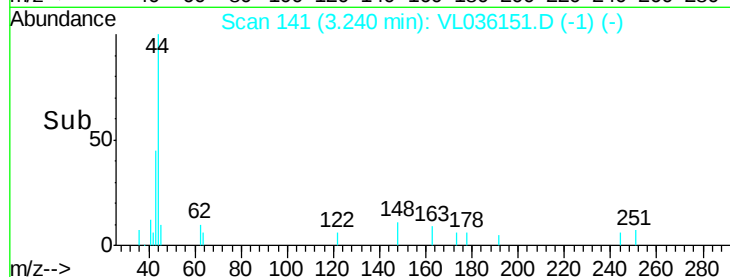
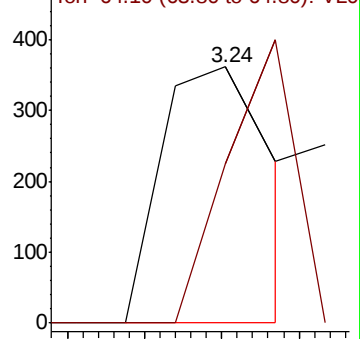
Ion Ratio Lower Upper

62 100

64 62.3 24.5 36.7#



Abundance Ion 62.10 (61.80 to 62.80): VL0



#6

Bromomethane

Concen: 0.002 ppbv

RT: 3.58 min Scan# 246

Delta R.T. 0.10 min

Lab File: VL036151.D

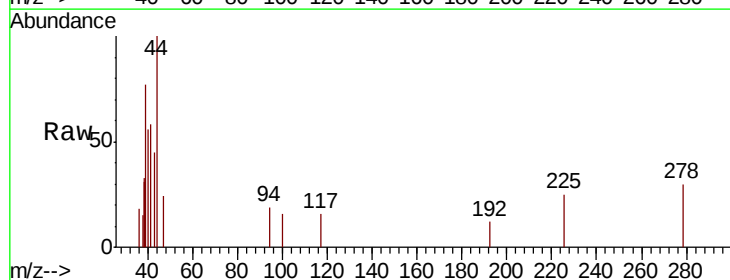
Acq: 11 Dec 2020 6:02

Tgt Ion: 94 Resp: 79

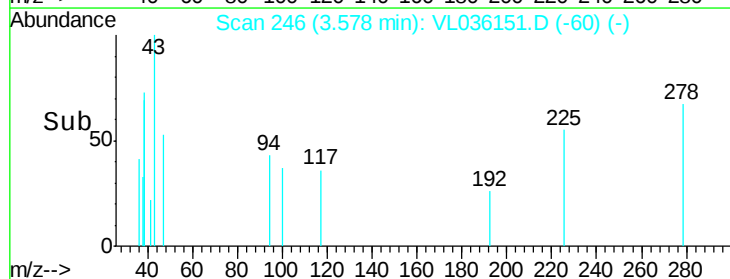
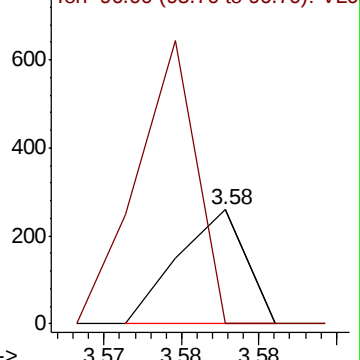
Ion Ratio Lower Upper

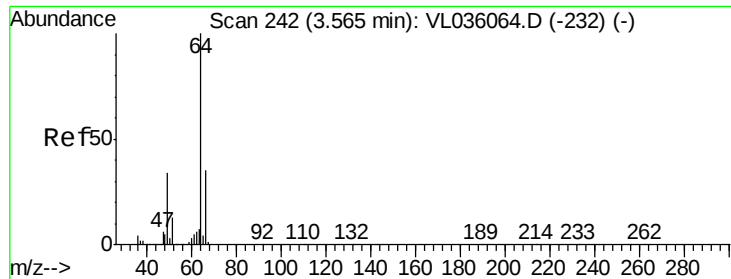
94 100

96 0.0 79.4 119.0#



Abundance Ion 94.00 (93.70 to 94.70): VL0





#7

Chloroethane

Concen: 0.006 ppbv

RT: 3.76 min Scan# 304

Delta R.T. 0.20 min

Lab File: VL036151.D

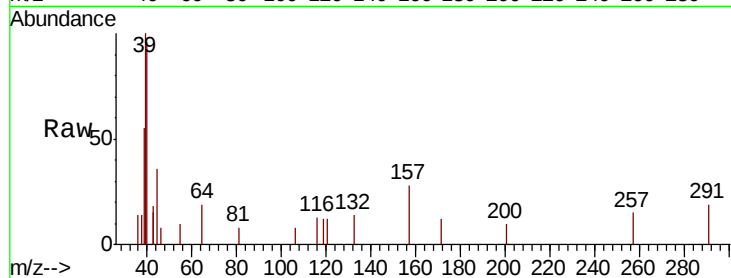
Acq: 11 Dec 2020 6:02

Tot Ion: 64 Resp: 157

Ion Ratio Lower Upper

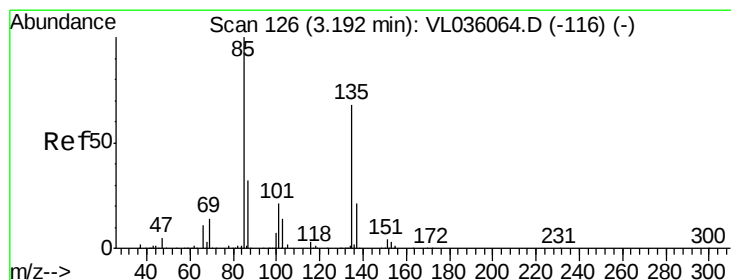
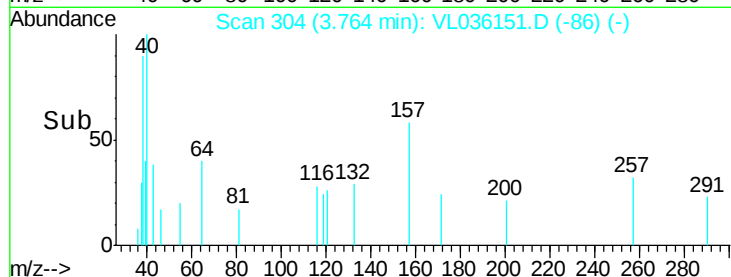
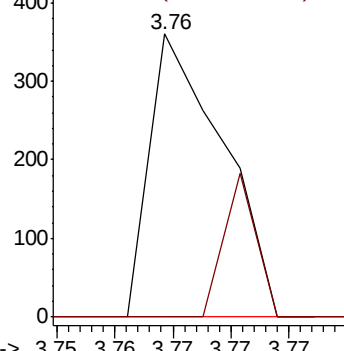
64 100

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: 3.20 min Scan# 128

Delta R.T. 0.01 min

Lab File: VL036151.D

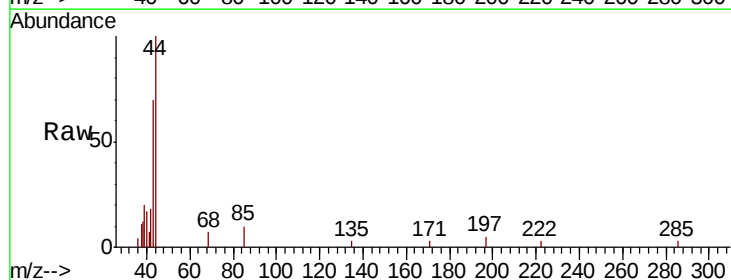
Acq: 11 Dec 2020 6:02

Tgt Ion: 85 Resp: 130

Ion Ratio Lower Upper

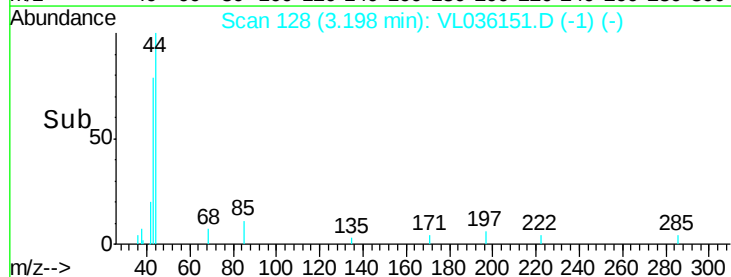
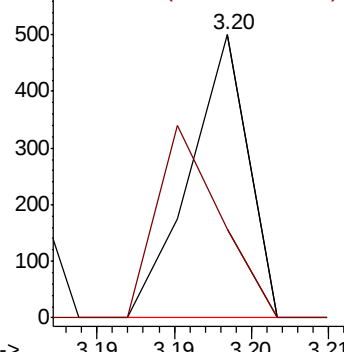
85 100

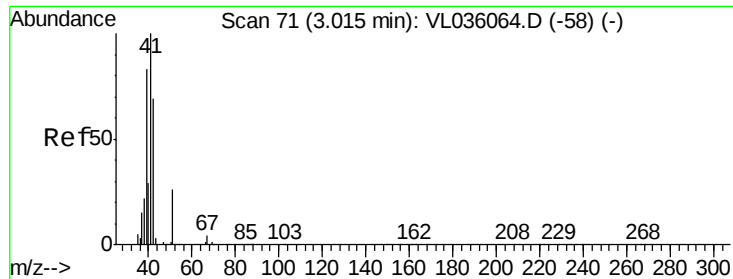
135 73.8 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.014 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL036151.D

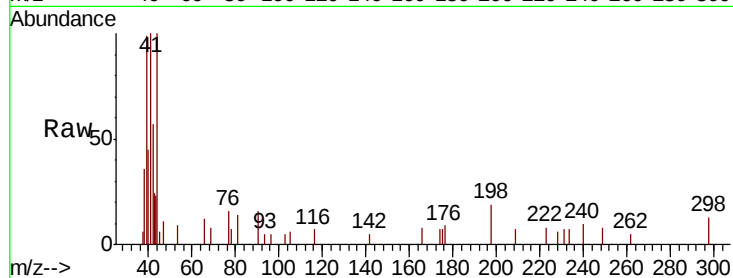
Acq: 11 Dec 2020 6:02

Tot Ion: 41 Resp: 996

Ion Ratio Lower Upper

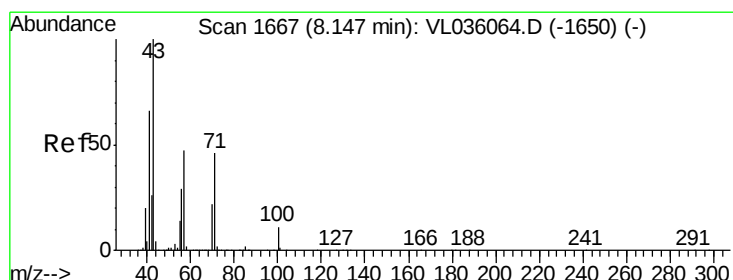
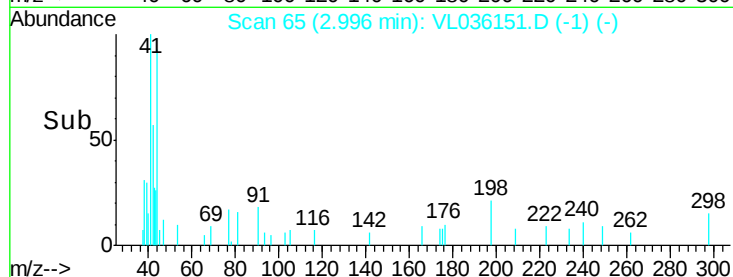
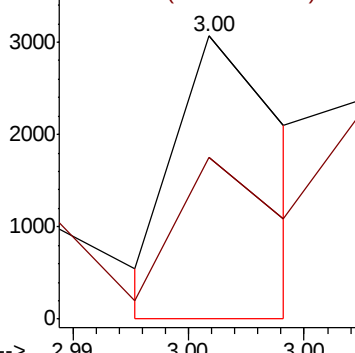
41 100

42 0.0 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: 0.001 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.04 min

Lab File: VL036151.D

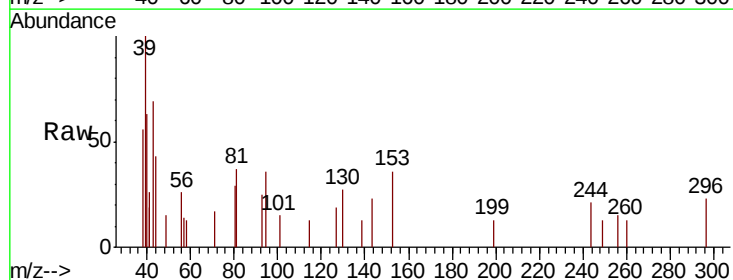
Acq: 11 Dec 2020 6:02

Tgt Ion: 43 Resp: 158

Ion Ratio Lower Upper

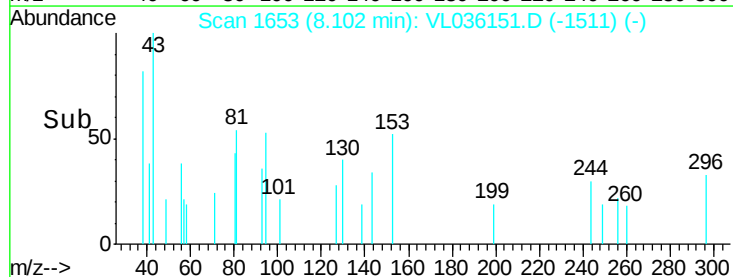
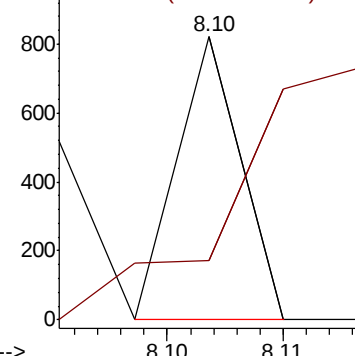
43 100

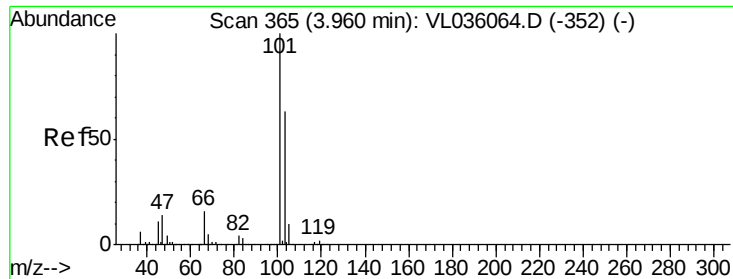
57 0.0 37.9 56.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

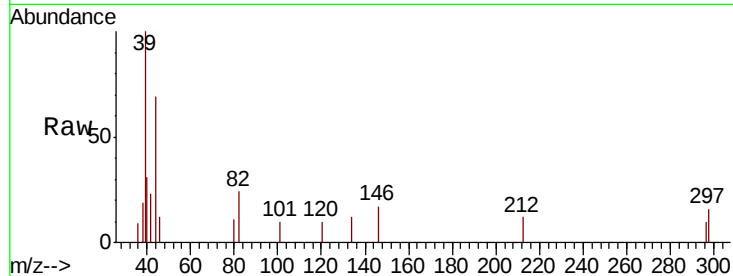
Ion 57.10 (56.80 to 57.80): VL0



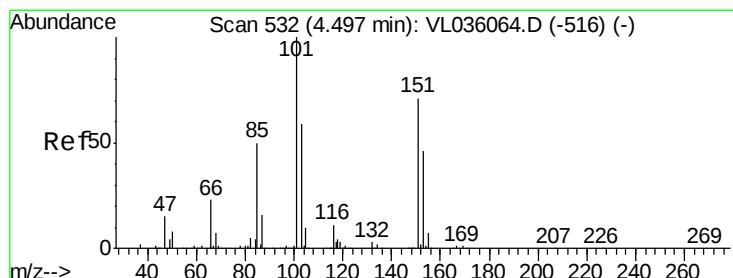
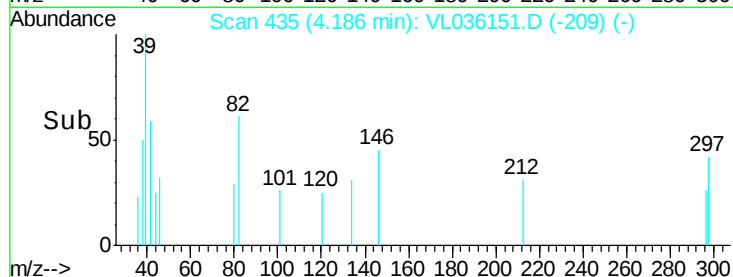
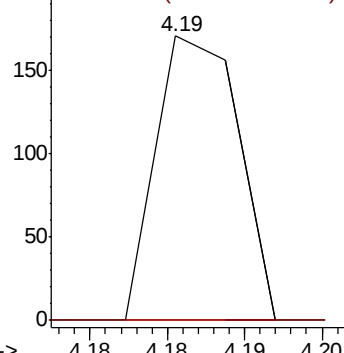


#11
 Trichlorofluoromethane
 Concen: 0.000 ppbv
 RT: 4.19 min Scan# 435
 Delta R.T. 0.23 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

Tot Ion:101 Resp: 63
 Ion Ratio Lower Upper
 101 100
 103 0.0 50.3 75.5#

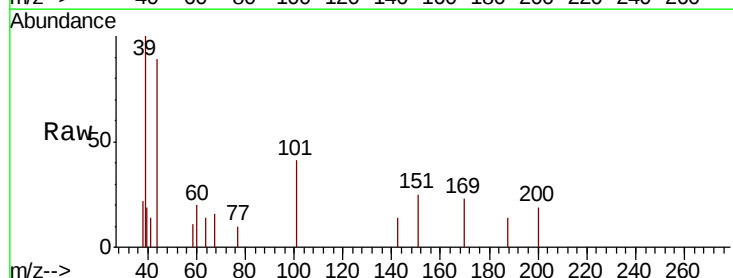


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V

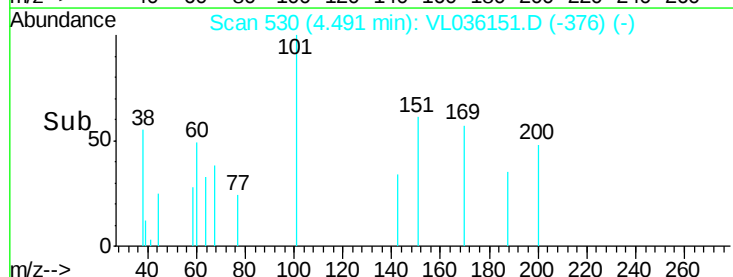
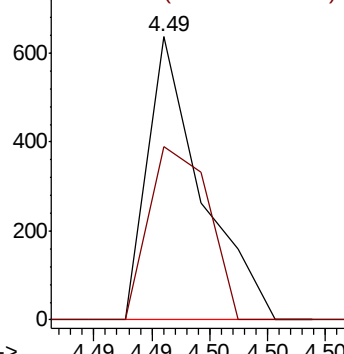


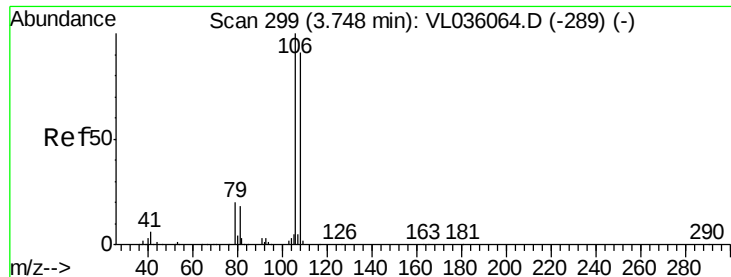
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.002 ppbv
 RT: 4.49 min Scan# 530
 Delta R.T. -0.01 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

Tgt Ion:101 Resp: 205
 Ion Ratio Lower Upper
 101 100
 151 67.8 59.3 88.9



Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 151.00 (150.70 to 151.70): V





#14

Bromoethene

Concen: 0.002 ppbv

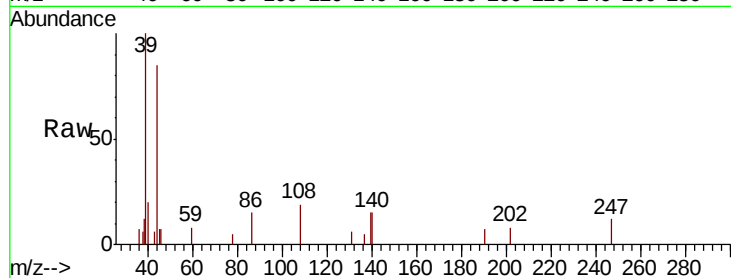
RT: 3.73 min Scan# 294

Delta R.T. -0.02 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

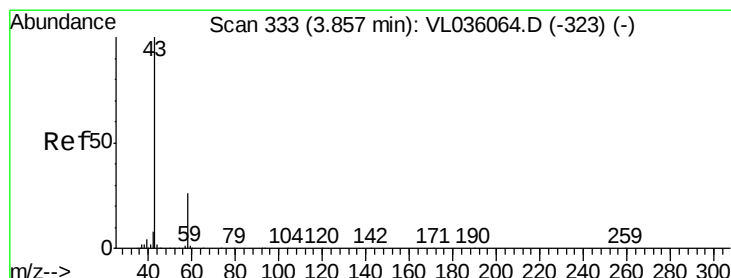
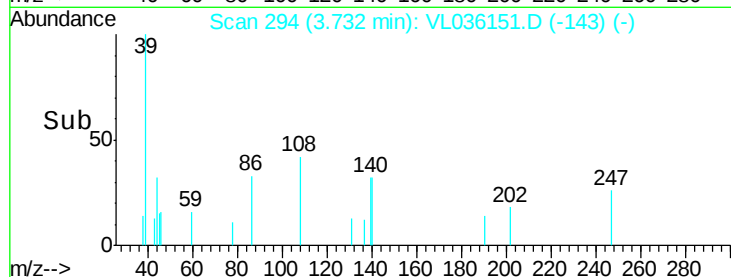
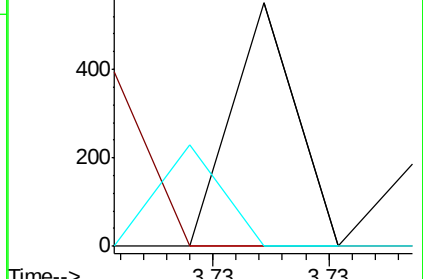
Tot Ion:	108	Resp:	106
Ion	Ratio	Lower	Upper
108	100		
106	137.7	91.0	136.4#
79	388.7	19.3	28.9#



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



#15

Acetone

Concen: 0.169 ppbv m

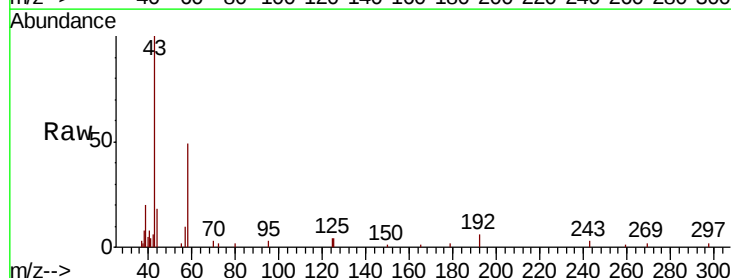
RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL036151.D

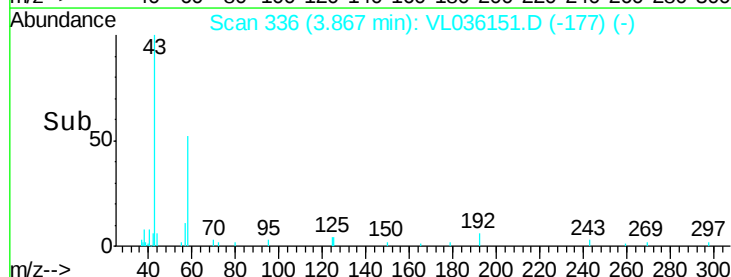
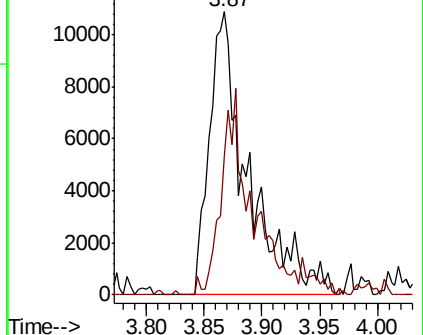
Acq: 11 Dec 2020 6:02

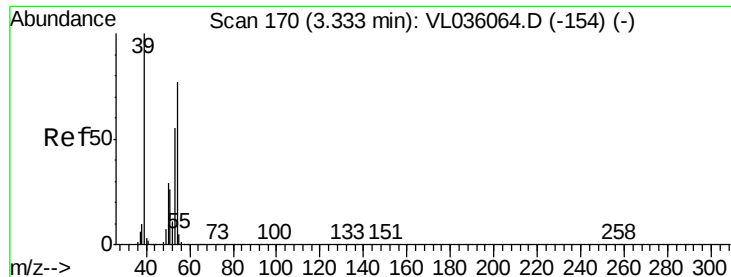
Tgt Ion:	43	Resp:	25042
Ion	Ratio	Lower	Upper
43	100		
58	61.2	20.9	31.3#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#16

1,3-Butadiene

Concen: 0.006 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.02 min

Lab File: VL036151.D

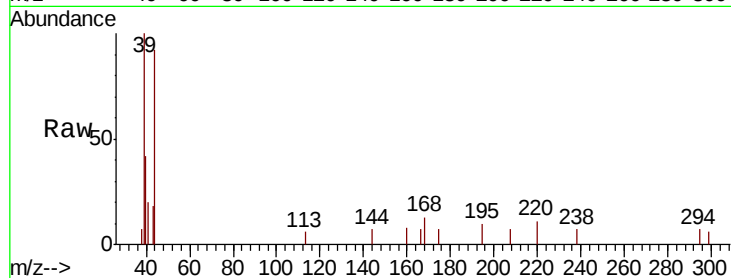
Acq: 11 Dec 2020 6:02

Tot Ion: 39 Resp: 415

Ion Ratio Lower Upper

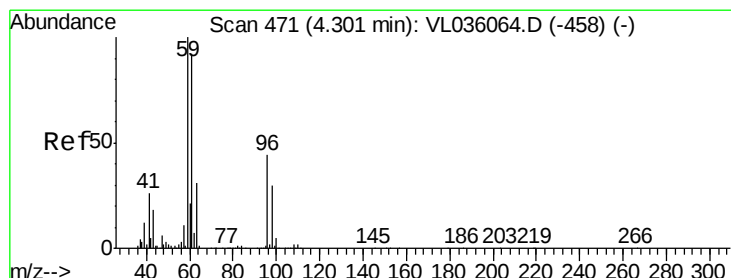
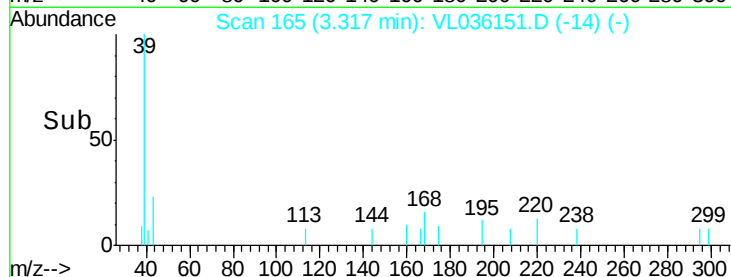
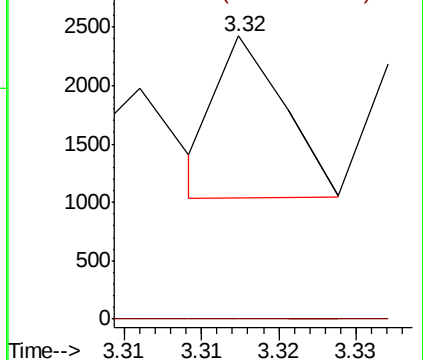
39 100

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



#17

tert-Butyl alcohol

Concen: 0.002 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.01 min

Lab File: VL036151.D

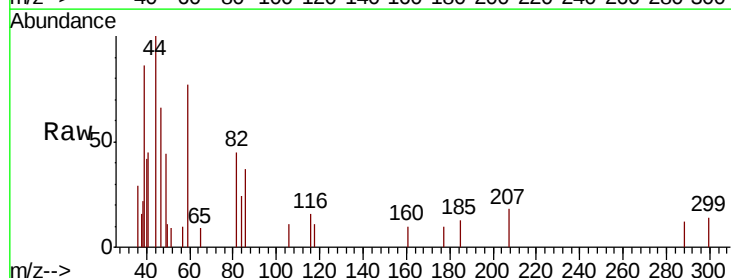
Acq: 11 Dec 2020 6:02

Tgt Ion: 59 Resp: 238

Ion Ratio Lower Upper

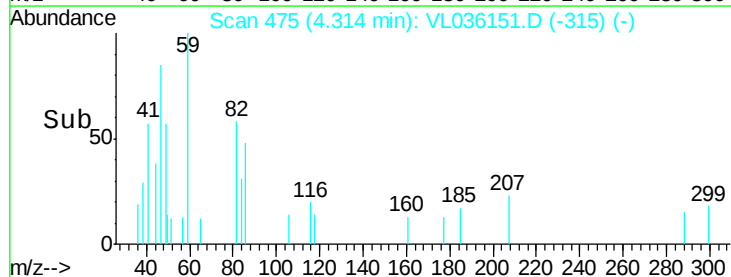
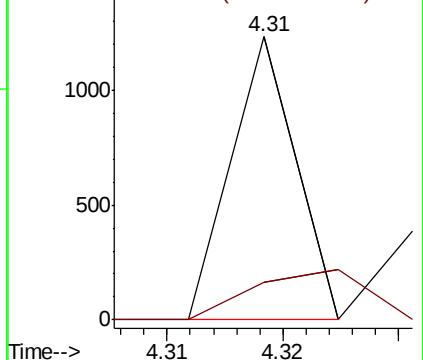
59 100

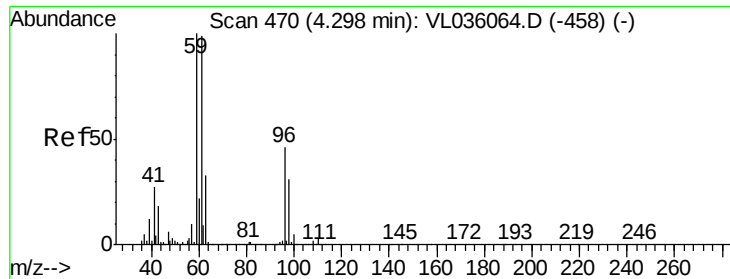
57 65.5 8.7 13.1#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#18

1,1-Dichloroethene

Concen: 0.002 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

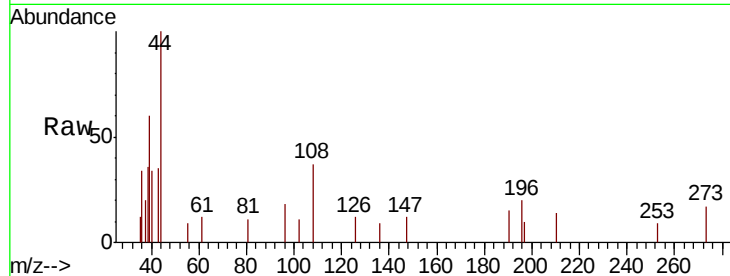
Tot Ion: 96 Resp: 104

Ion Ratio Lower Upper

96 100

61 67.8 171.4 257.2#

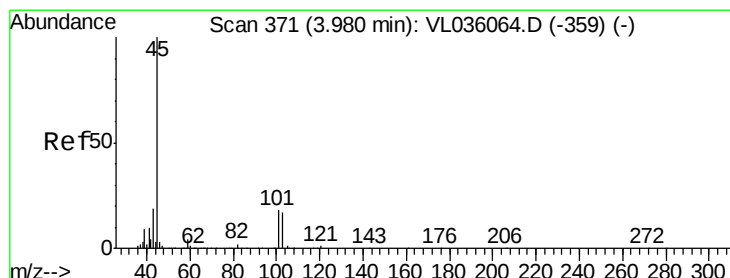
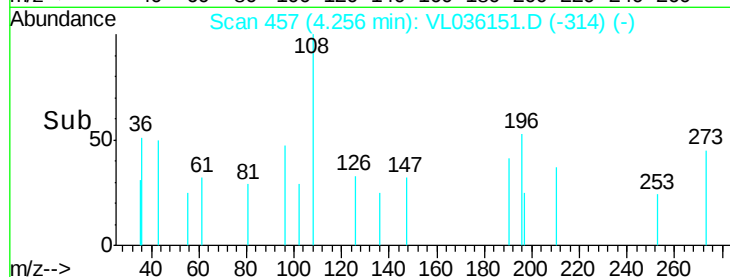
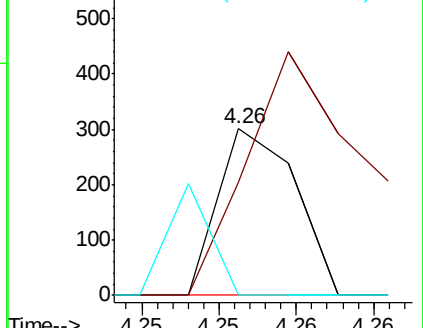
98 0.0 54.2 81.2#



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: 0.002 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.01 min

Lab File: VL036151.D

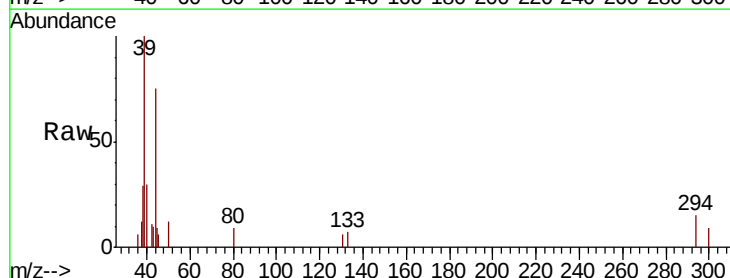
Acq: 11 Dec 2020 6:02

Tgt Ion: 45 Resp: 186

Ion Ratio Lower Upper

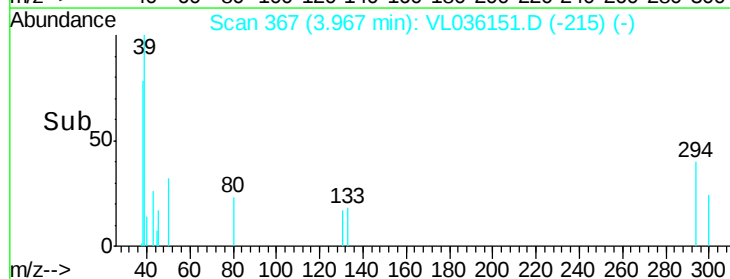
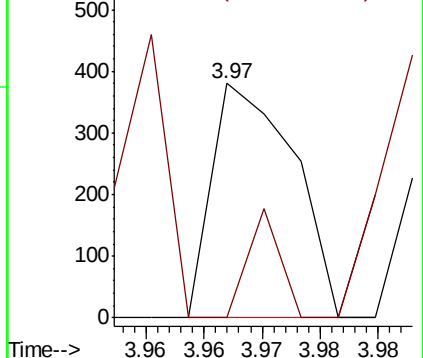
45 100

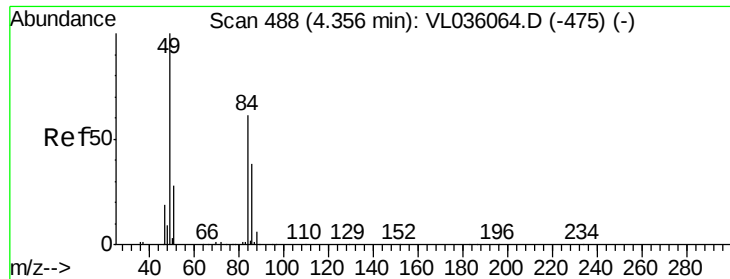
58 0.0 0.0 0.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

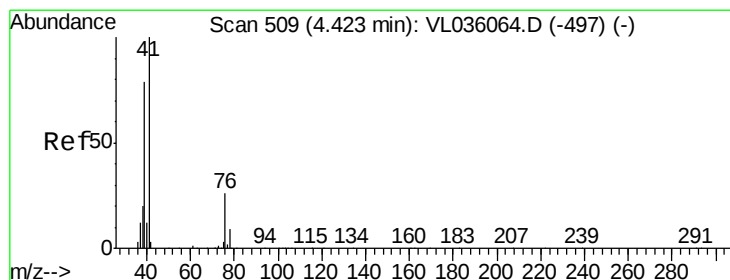
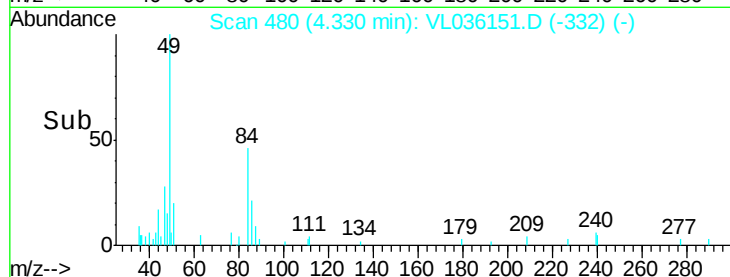
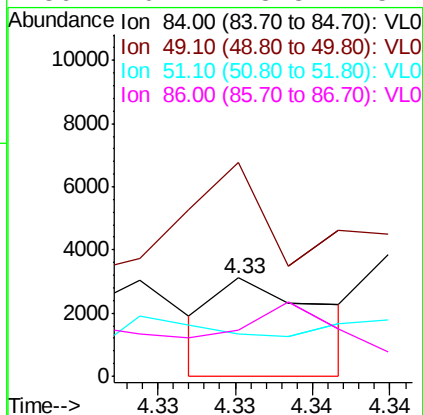
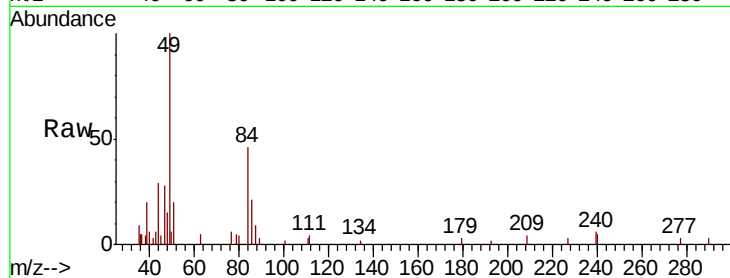
Ion 58.10 (57.80 to 58.80): VL0





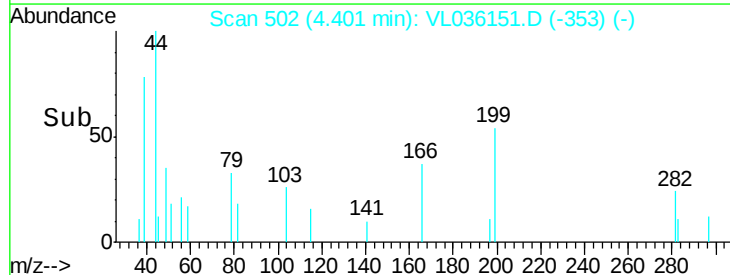
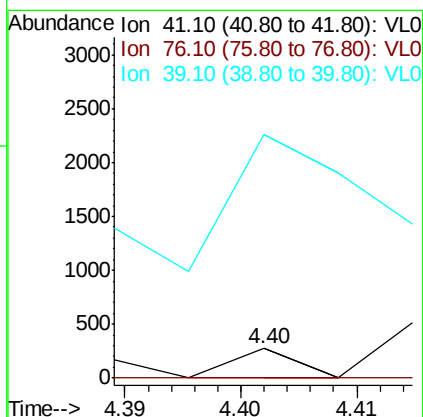
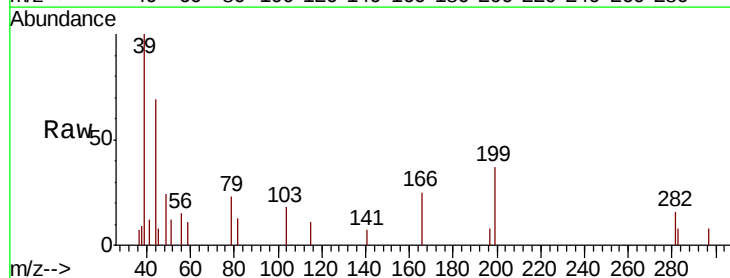
#20
Methylene Chloride
Concen: 0.024 ppbv
RT: 4.33 min Scan# 480
Delta R.T. -0.03 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

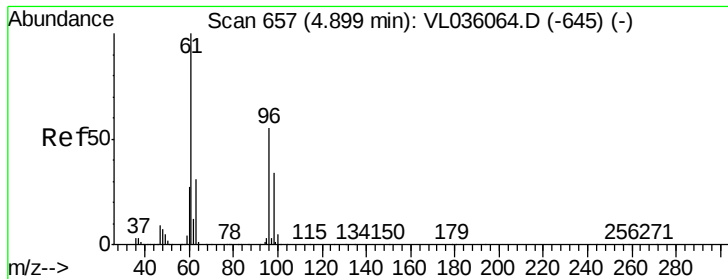
Tot Ion:	84	Resp:	1475
Ion	Ratio	Lower	Upper
84	100		
49	179.2	133.0	199.4
51	0.0	38.9	58.3#
86	20.1	48.8	73.2#



#21
Allyl Chloride
Concen: 0.001 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.02 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion:	41	Resp:	53
Ion	Ratio	Lower	Upper
41	100		
76	0.0	21.0	31.4#
39	0.0	66.0	99.0#





#22

trans-1,2-Dichloroethene

Concen: 0.002 ppbv

RT: 4.87 min Scan# 647

Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

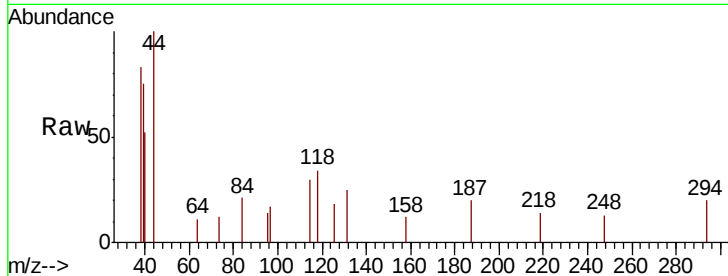
Tot Ion: 96 Resp: 91

Ion Ratio Lower Upper

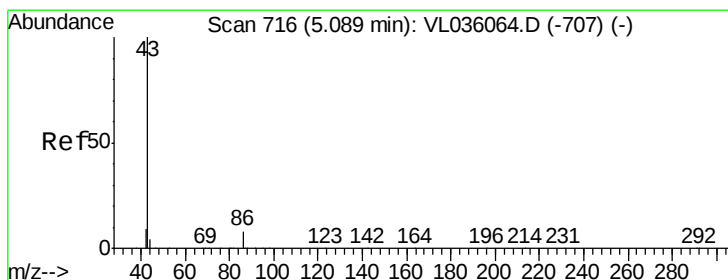
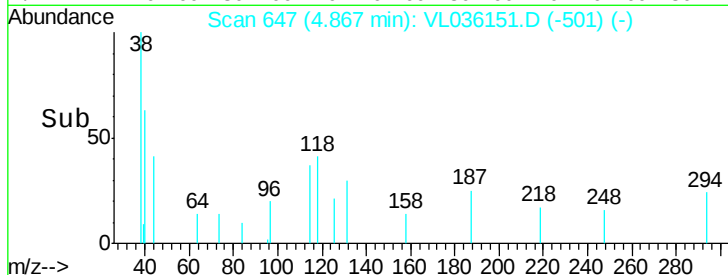
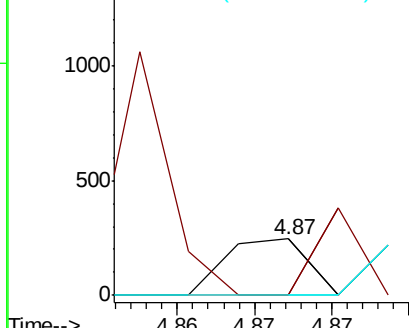
96 100

61 0.0 145.7 218.5#

98 0.0 49.2 73.8#



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



#23

Vinyl Acetate

Concen: 0.005 ppbv

RT: 5.06 min Scan# 706

Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tgt Ion: 43 Resp: 959

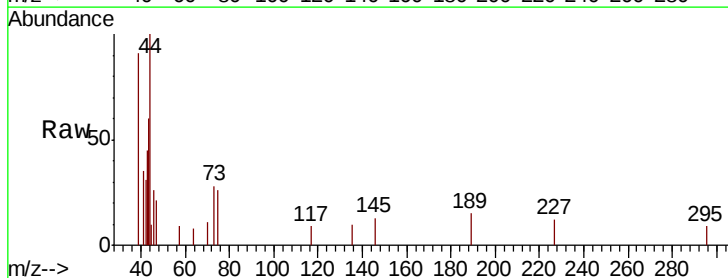
Ion Ratio Lower Upper

43 100

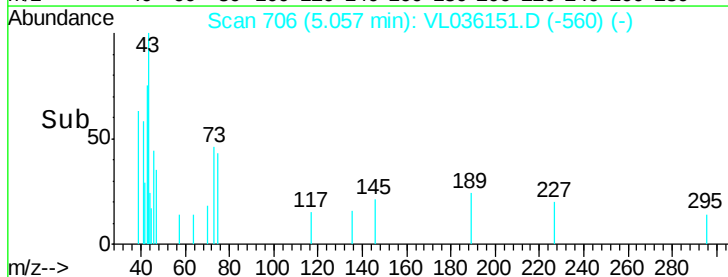
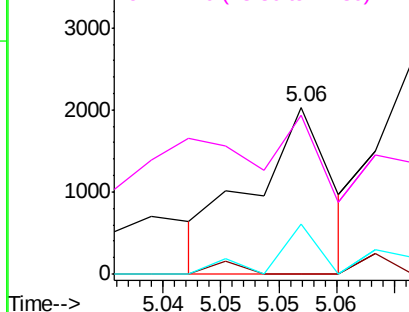
86 0.0 5.0 7.4#

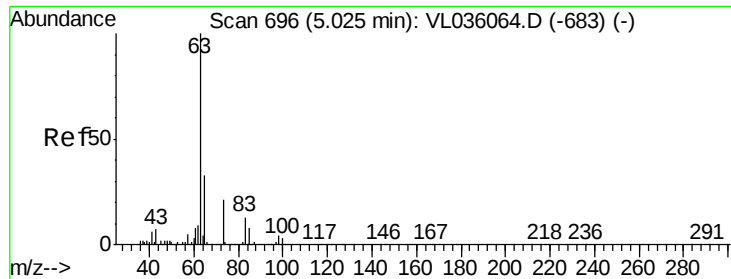
42 43.5 7.8 11.6#

44 90.4 3.2 4.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0





#24

1,1-Dichloroethane

Concen: 0.001 ppbv

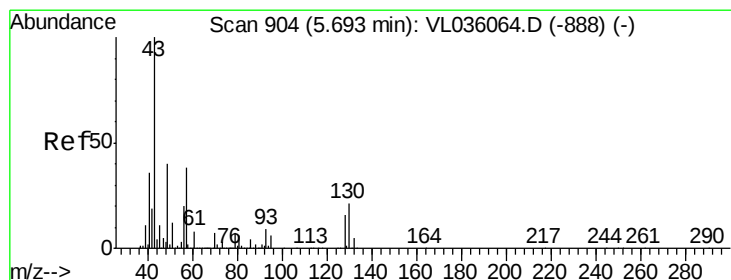
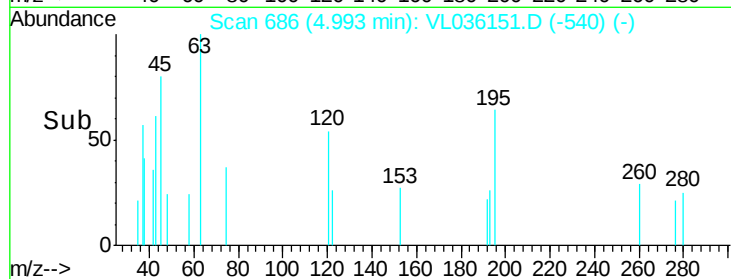
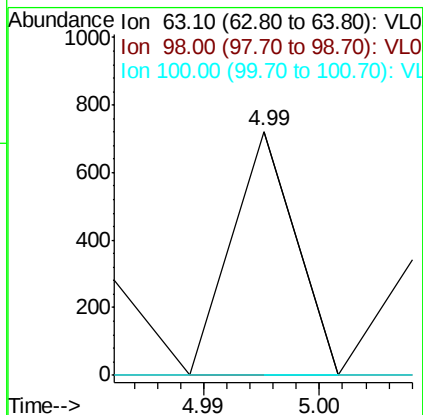
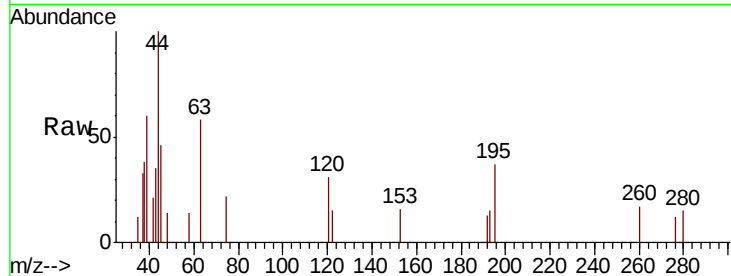
RT: 4.99 min Scan# 686

Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tot Ion:	63	Resp:	139
Ion	Ratio	Lower	Upper
63	100		
98	0.0	2.2	6.6#
100	0.0	1.5	4.4#



#25

Ethyl Acetate

Concen: 0.001 ppbv

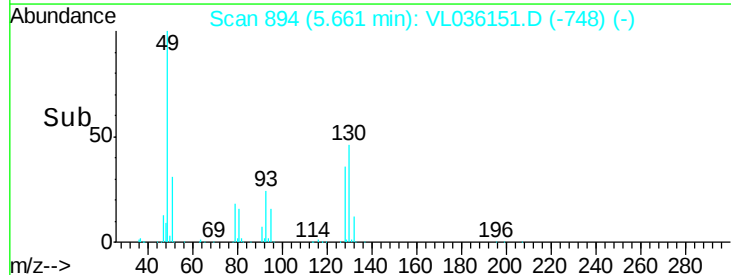
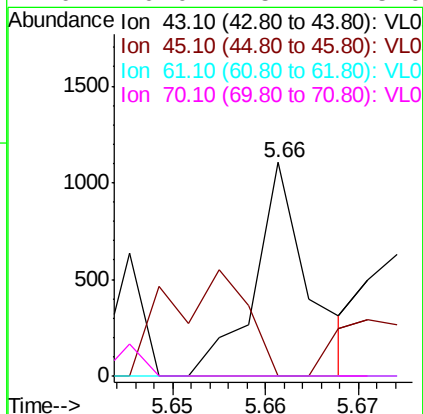
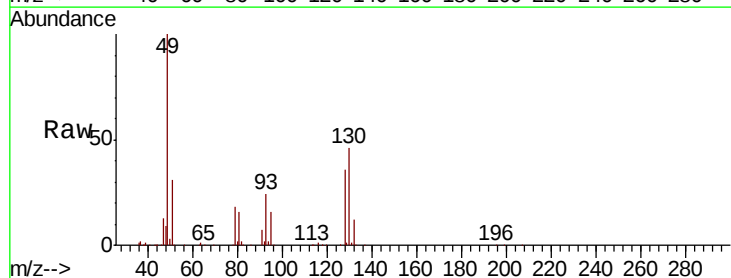
RT: 5.66 min Scan# 894

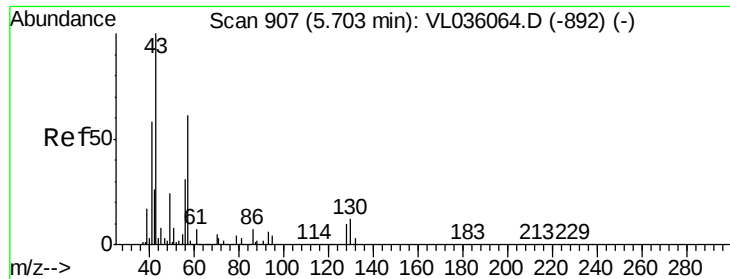
Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

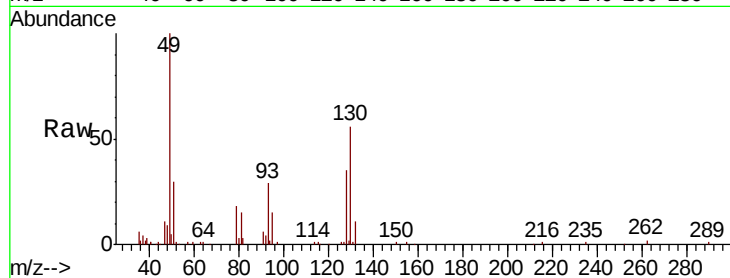
Tgt Ion:	43	Resp:	440
Ion	Ratio	Lower	Upper
43	100		
45	132.0	8.2	12.4#
61	0.0	7.4	11.2#
70	0.0	5.4	8.0#



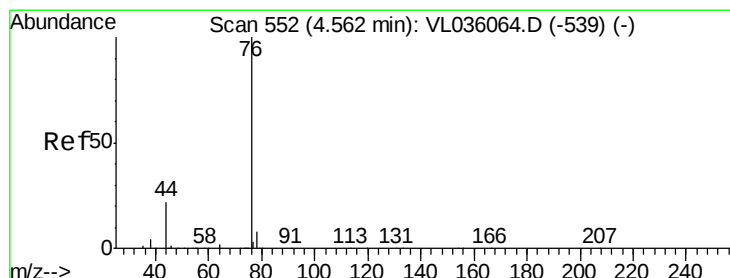
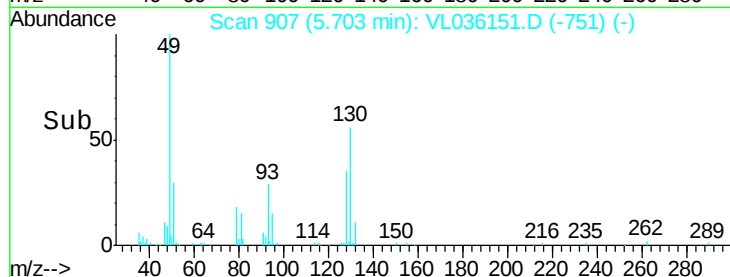
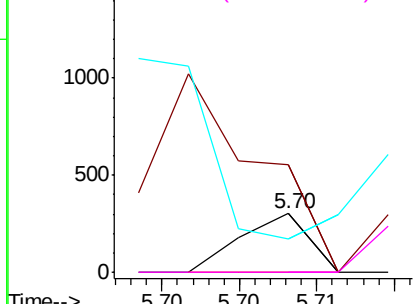


#26
Hexane
Concen: 0.001 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion: 57 Resp: 92
Ion Ratio Lower Upper
57 100
41 1458.7 82.9 124.3#
43 2340.2 199.9 299.9#
56 431.5 43.1 64.7#

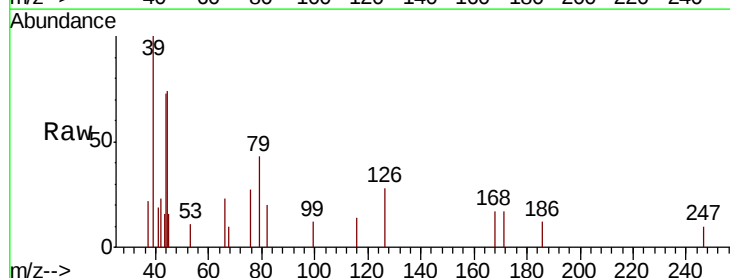


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

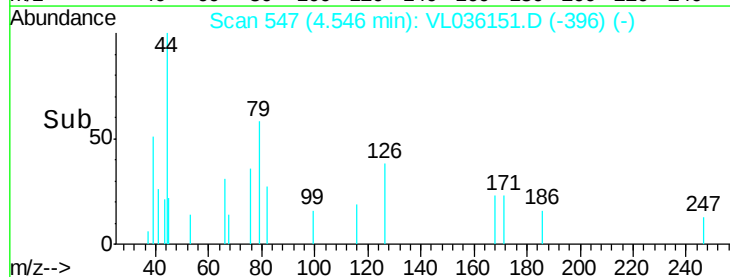
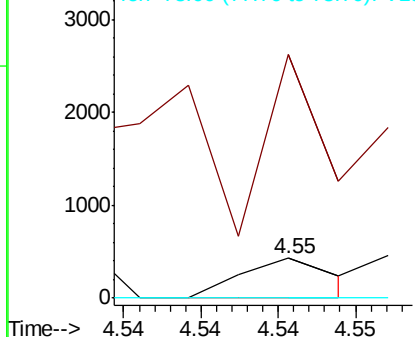


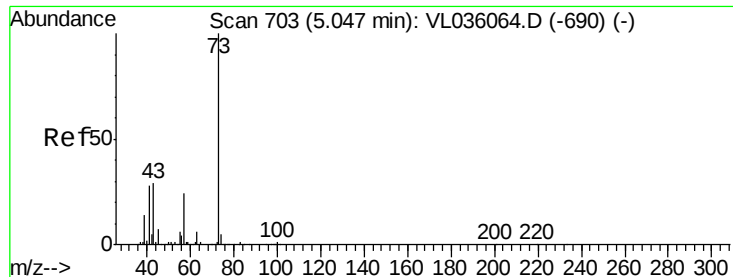
#27
Carbon Disulfide
Concen: 0.001 ppbv
RT: 4.55 min Scan# 547
Delta R.T. -0.02 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 76 Resp: 178
Ion Ratio Lower Upper
76 100
44 2550.6 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

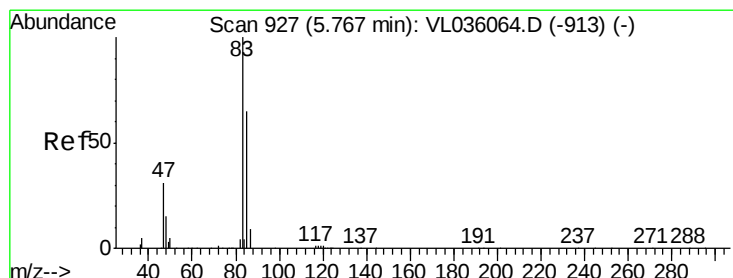
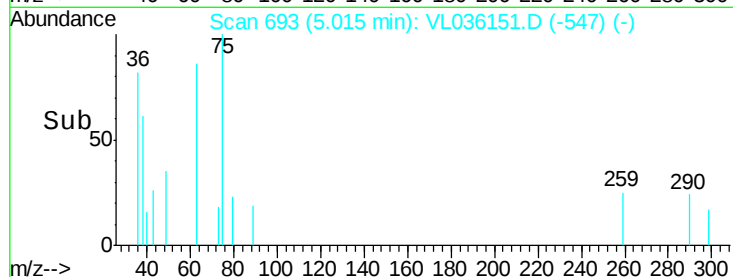
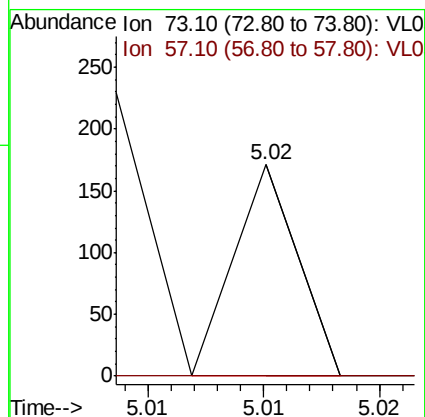
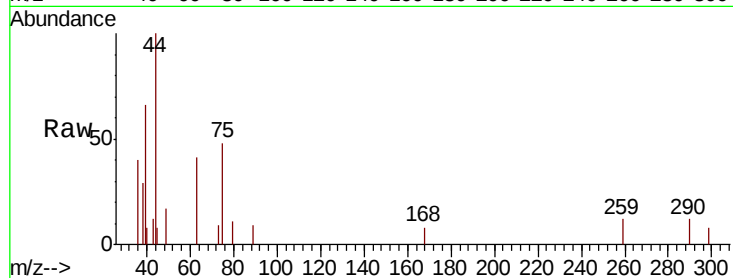




#28

Methvl tert-Butvl Ether
 Concen: 0.000 ppbv
 RT: 5.02 min Scan# 693
 Delta R.T. -0.03 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

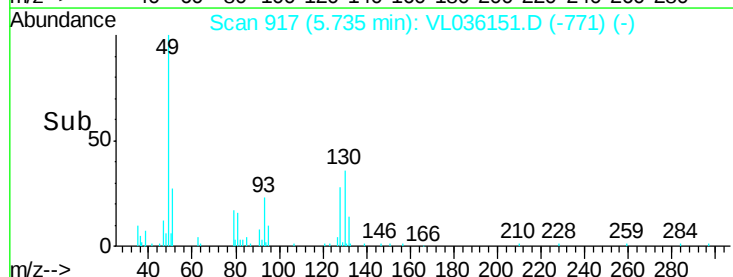
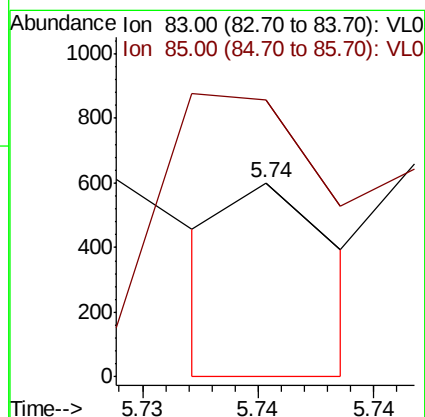
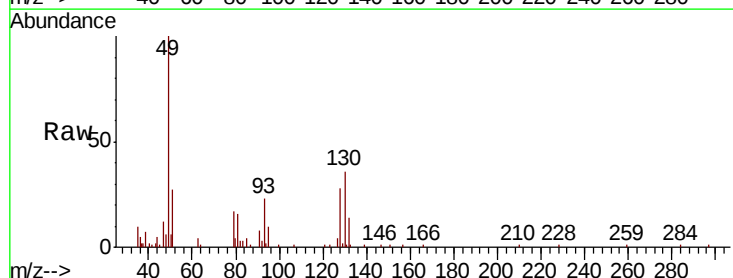
Tot Ion: 73 Resp: 33
 Ion Ratio Lower Upper
 73 100
 57 0.0 19.2 28.8#

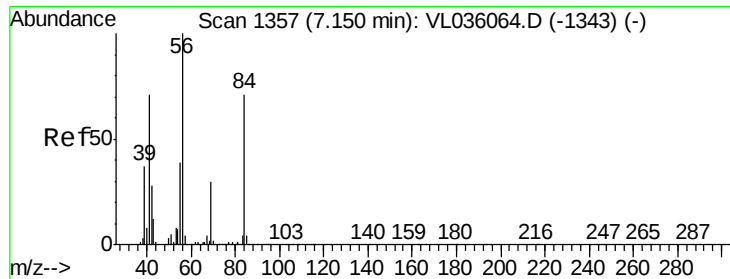


#29

Chloroform
 Concen: 0.001 ppbv
 RT: 5.74 min Scan# 917
 Delta R.T. -0.03 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

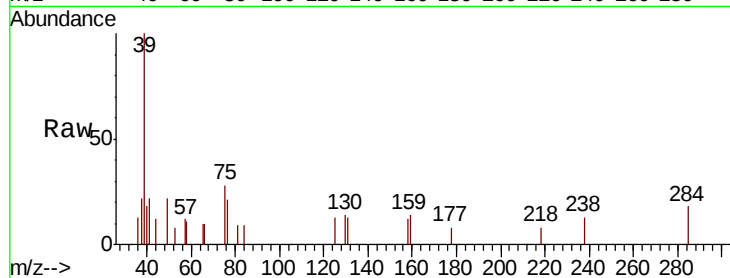
Tgt Ion: 83 Resp: 191
 Ion Ratio Lower Upper
 83 100
 85 158.2 51.8 77.6#



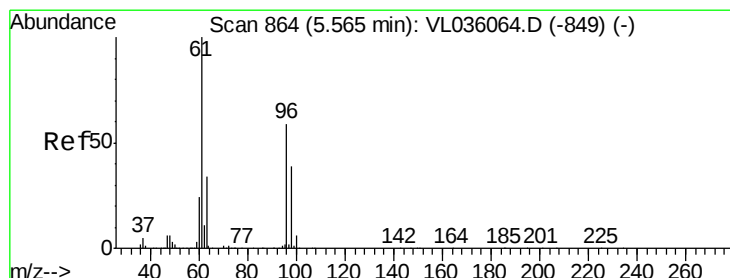
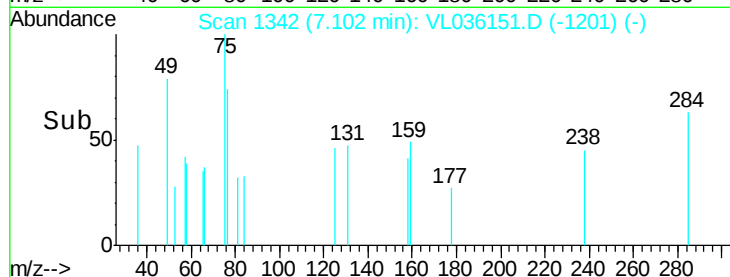
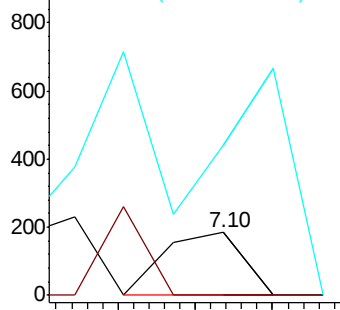


#30
Cvclohexane
Concen: 0.001 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

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

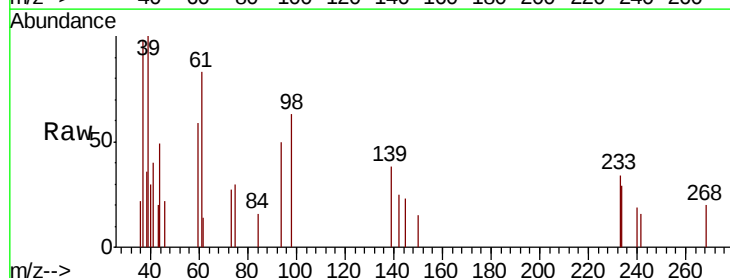


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

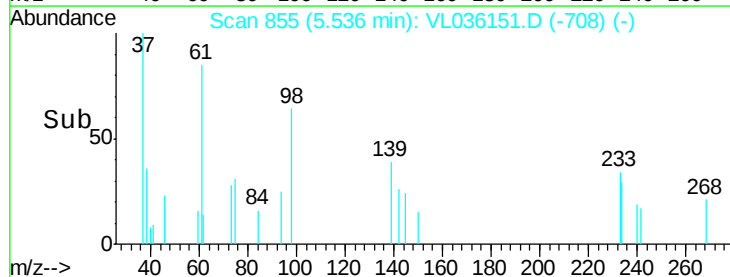
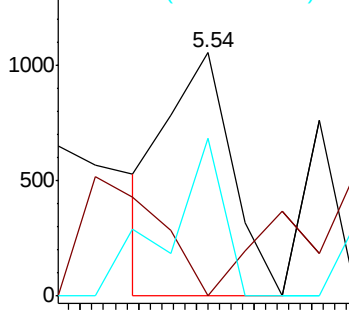


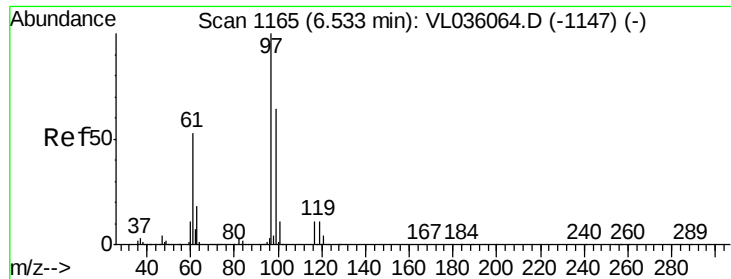
#31
cis-1,2-Dichloroethene
Concen: 0.003 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.03 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion	Ratio	Lower	Upper
61	100		
96	0.0	47.3	70.9#
98	64.9	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: 0.000 ppbv

RT: 6.50 min Scan# 1155

Delta R.T. -0.03 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

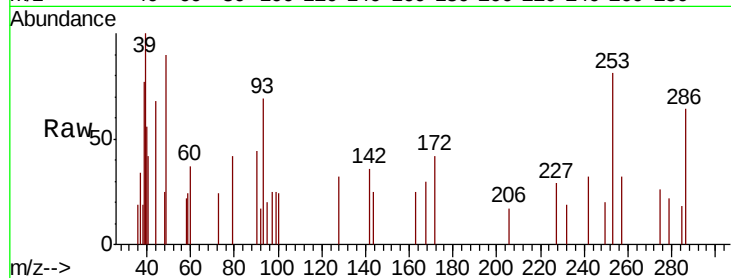
Tot Ion: 97 Resp: 42

Ion Ratio Lower Upper

97 100

99 0.0 52.4 78.6#

61 0.0 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

300

250

200

150

100

50

0

6.50

6.50

6.50

6.50

6.50

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6.50

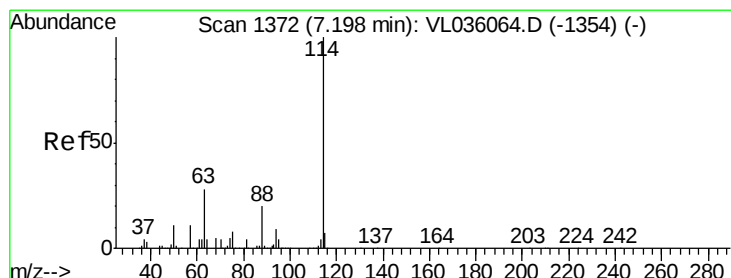
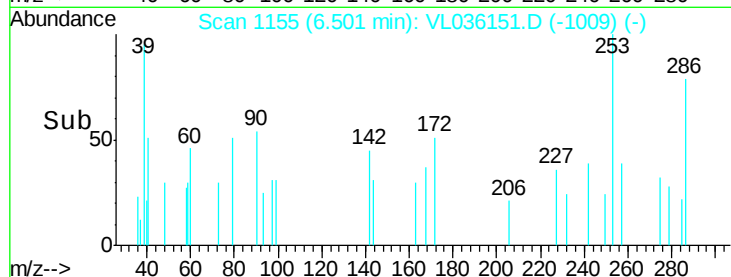
6.50

6.50

6.50

6.50

6.50



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

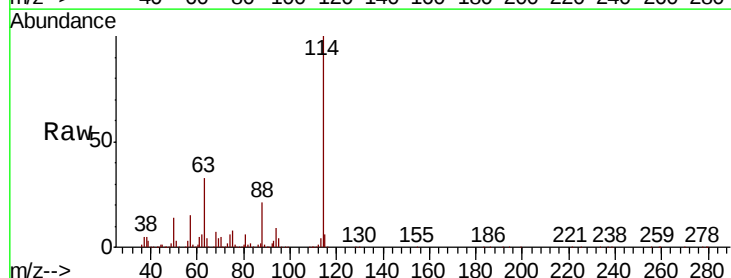
Tgt Ion: 114 Resp: 2498341

Ion Ratio Lower Upper

114 100

63 34.1 23.6 35.4

88 21.7 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

1500000

1000000

500000

0

7.16

7.16

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7.16

7.16

7.16

7.16

7.16

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7.16

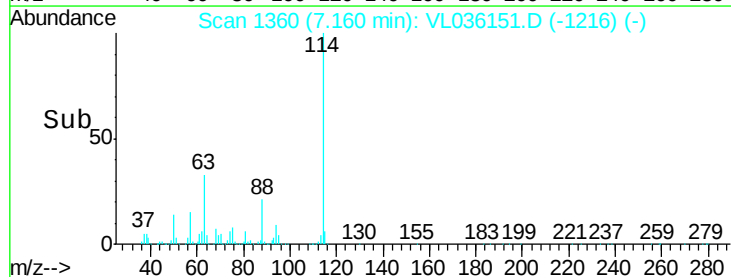
7.16

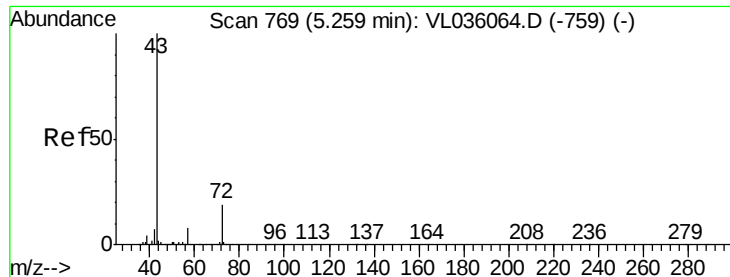
7.16

7.16

7.16

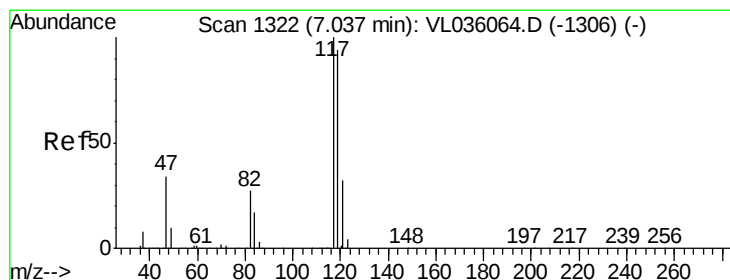
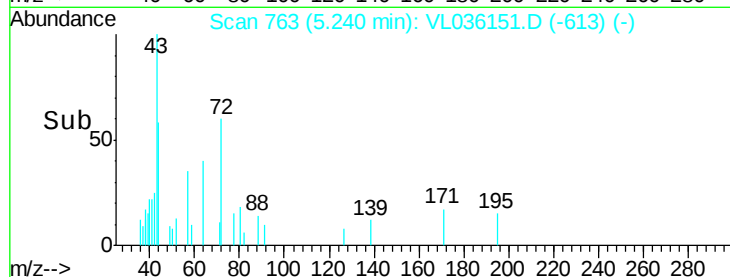
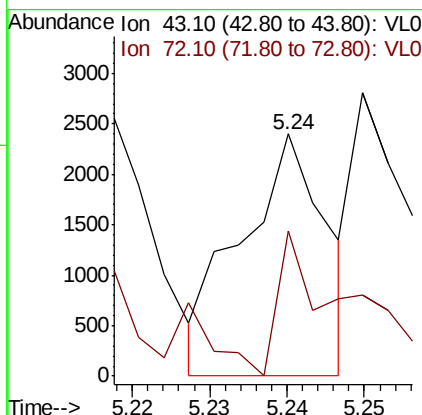
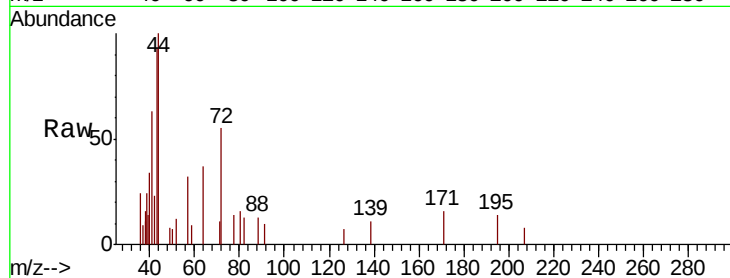
7.16





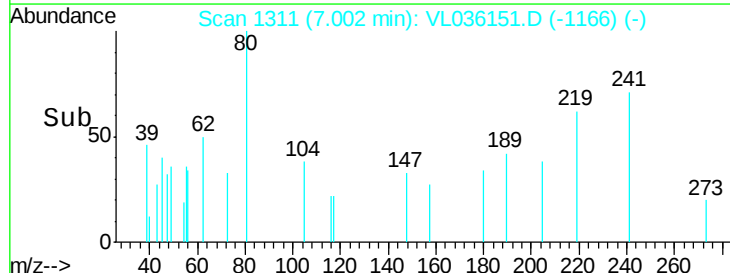
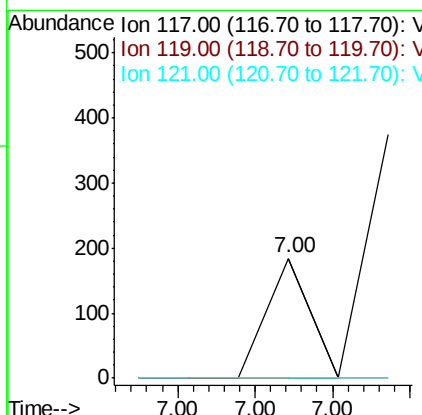
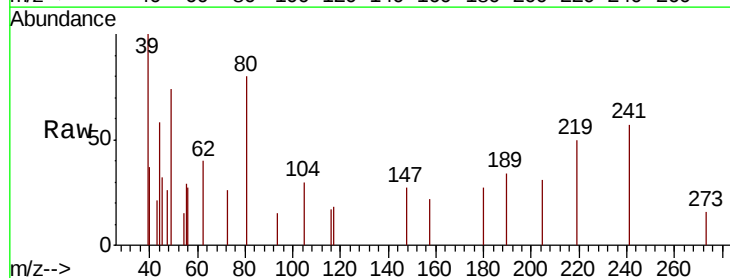
#34
2-Butanone
Concen: 0.011 ppbv
RT: 5.24 min Scan# 763
Delta R.T. -0.02 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

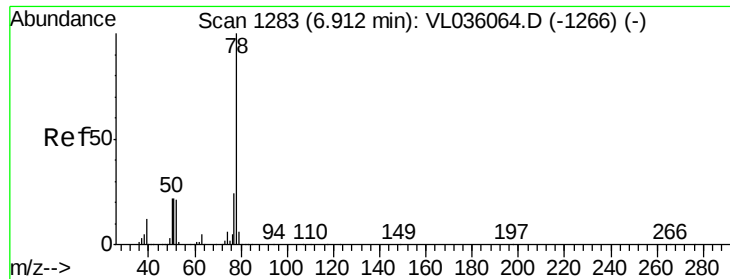
Tot Ion: 43 Resp: 1834
Ion Ratio Lower Upper
43 100
72 0.0 16.5 24.7#



#35
Carbon Tetrachloride
Concen: 0.000 ppbv
RT: 7.00 min Scan# 1311
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 117 Resp: 35
Ion Ratio Lower Upper
117 100
119 0.0 75.1 112.7#
121 0.0 25.6 38.4#





#36

Benzene

Concen: 0.004 ppbv

RT: 6.88 min Scan# 1273

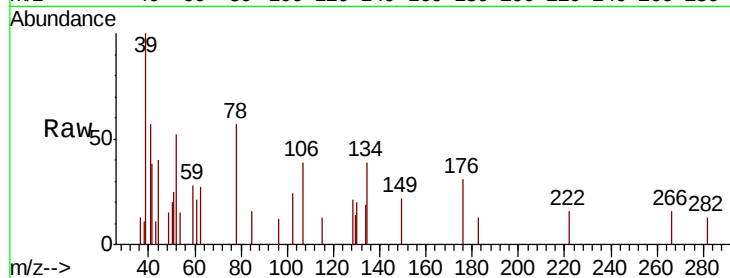
Delta R.T. -0.03 min

Lab File: VL036151.D

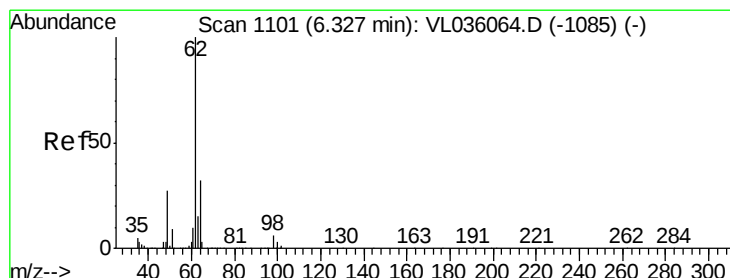
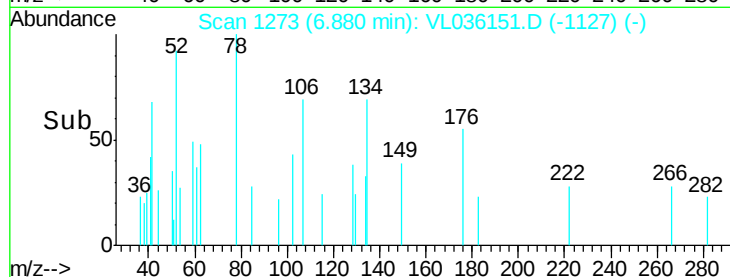
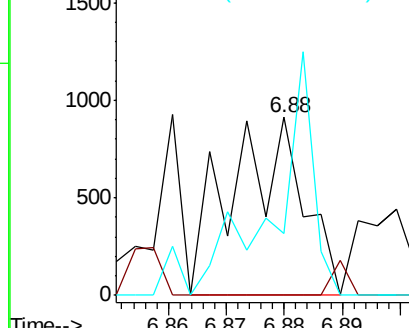
Acq: 11 Dec 2020 6:02

Tot Ion: 78 Resp: 785

Ion	Ratio	Lower	Upper
78	100		
77	100.0	19.4	29.2#
50	34.7	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: 0.002 ppbv

RT: 6.29 min Scan# 1089

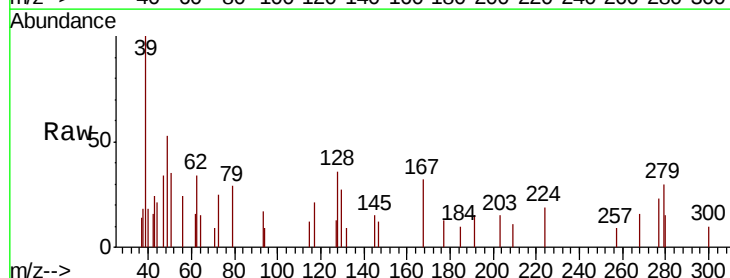
Delta R.T. -0.04 min

Lab File: VL036151.D

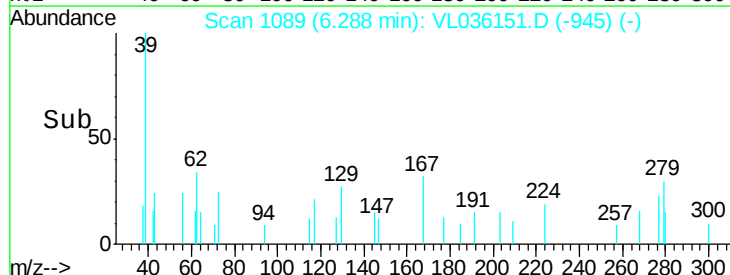
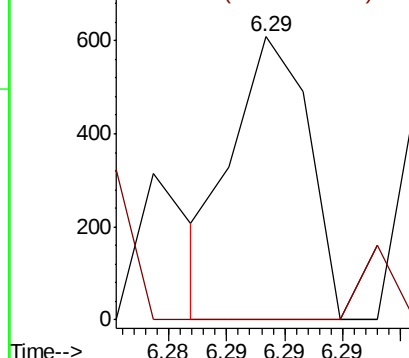
Acq: 11 Dec 2020 6:02

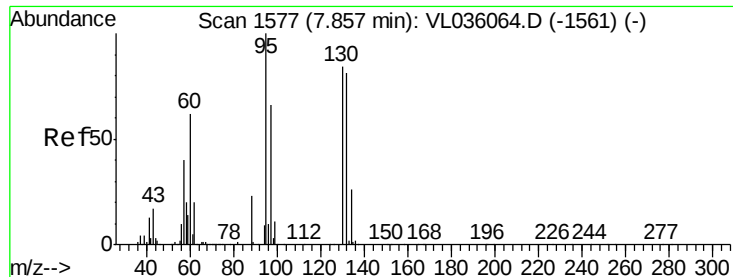
Tgt Ion: 62 Resp: 275

Ion	Ratio	Lower	Upper
62	100		
98	0.0	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: 0.002 ppbv

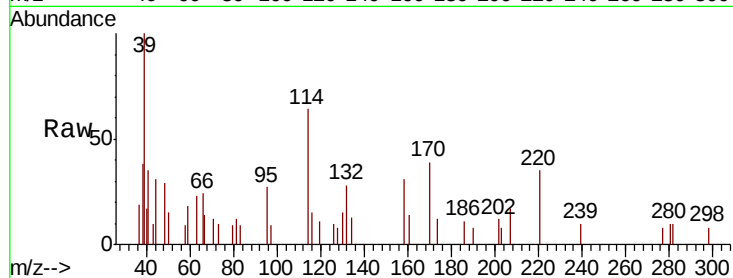
RT: 7.82 min Scan# 1565

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tot Ion:	130	Resp:	134
Ion	Ratio	Lower	Upper
130	100		
95	0.0	95.2	142.8#
132	77.4	76.9	115.3
97	63.4	62.3	93.5

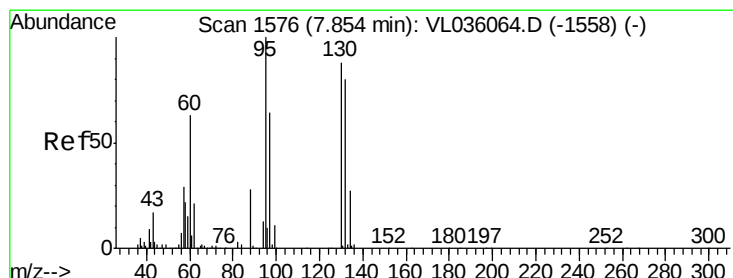
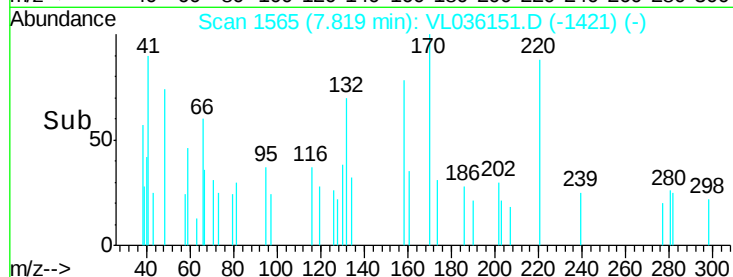
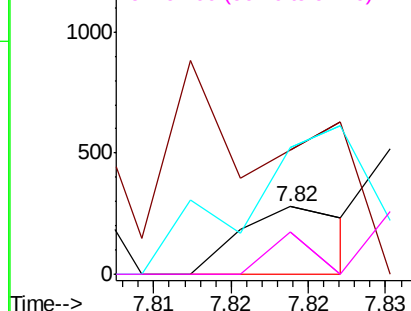


Abundance Ion 130.00 (129.70 to 130.70): V

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

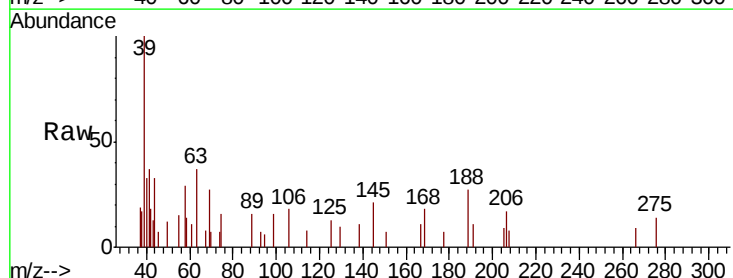
RT: 7.81 min Scan# 1562

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tgt Ion:	88	Resp:	201
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

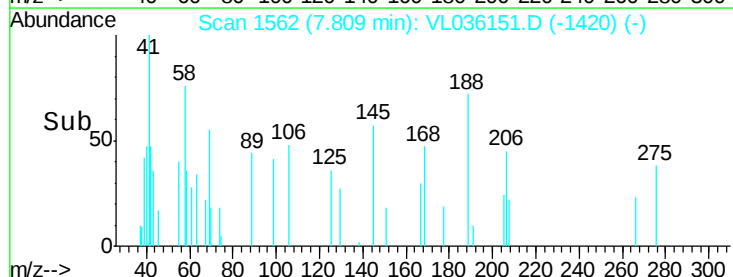
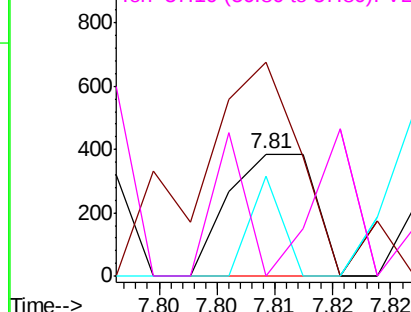


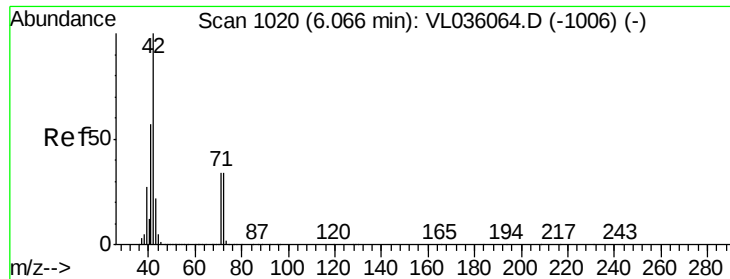
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 0.001 ppbv

RT: 6.08 min Scan# 1023

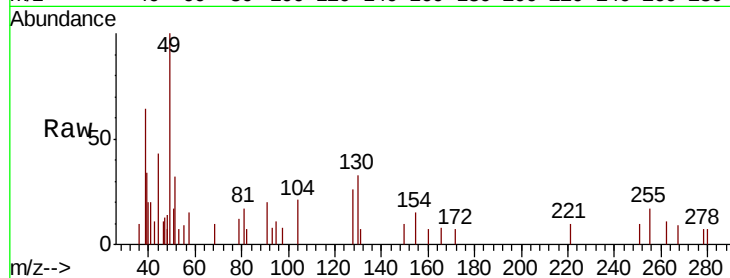
Delta R.T. 0.01 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tot Ion: 42 Resp: 127

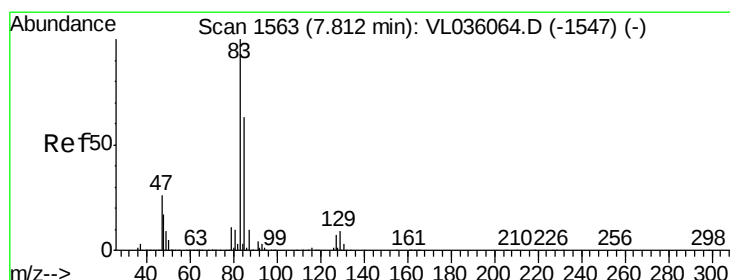
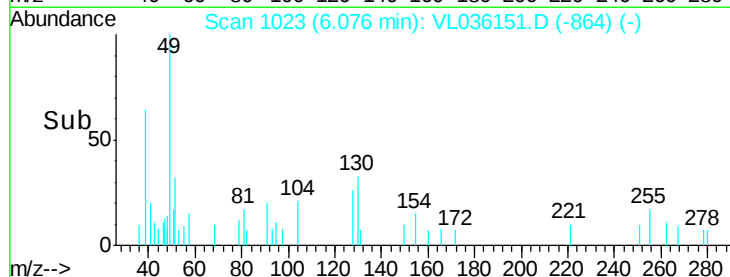
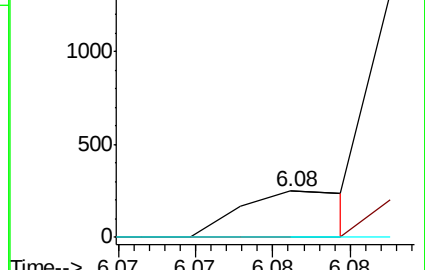
Ion	Ratio	Lower	Upper
42	100		
72	92.9	28.3	42.5#
71	59.8	27.3	40.9#



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: 0.006 ppbv

RT: 7.77 min Scan# 1550

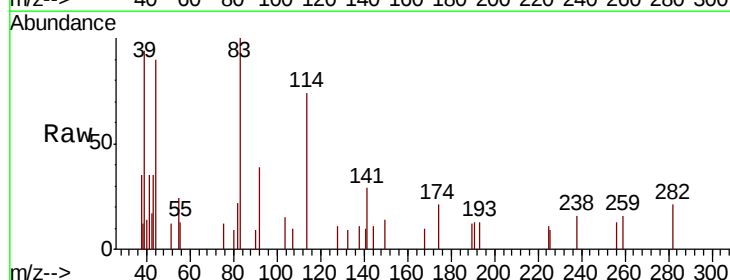
Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tgt Ion: 83 Resp: 992

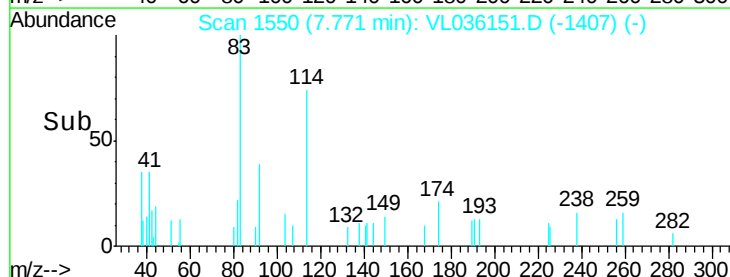
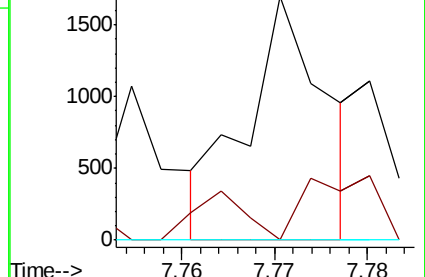
Ion	Ratio	Lower	Upper
83	100		
85	0.0	50.2	75.2#
127	0.0	5.5	8.3#

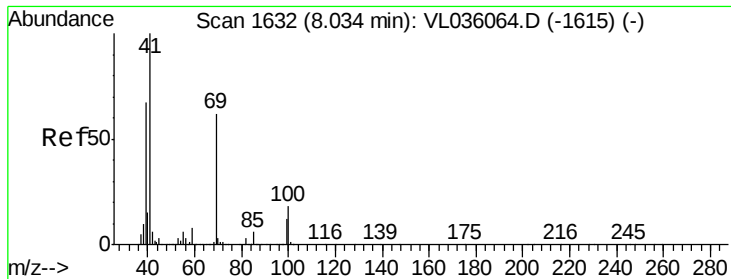


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

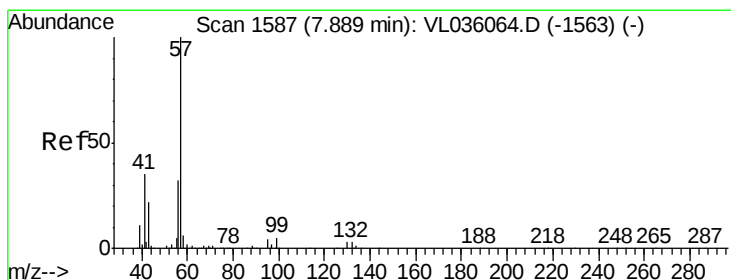
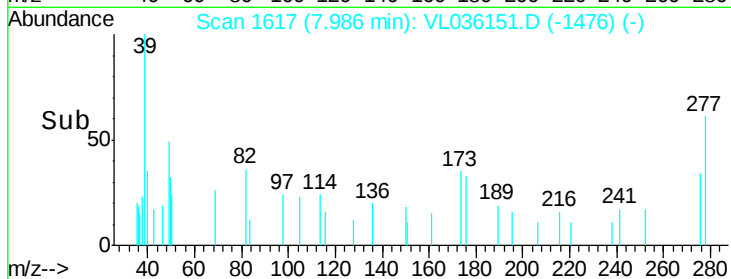
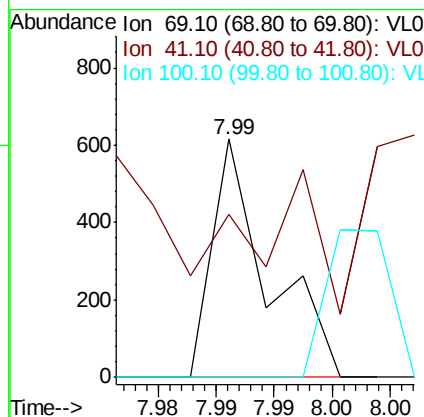
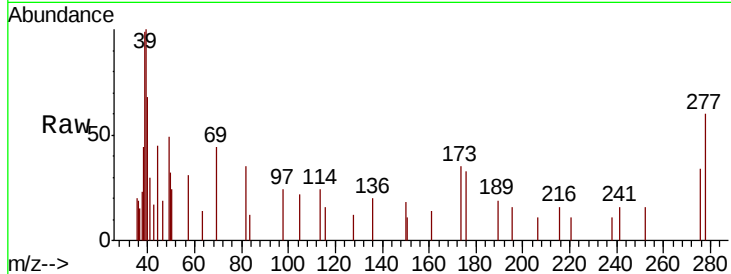
Ion 126.90 (126.60 to 127.60): V





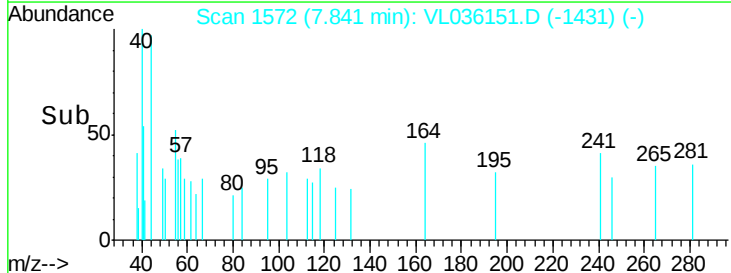
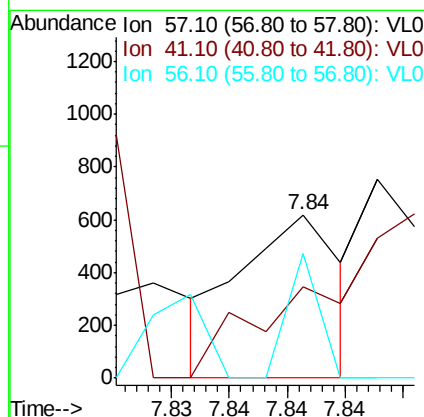
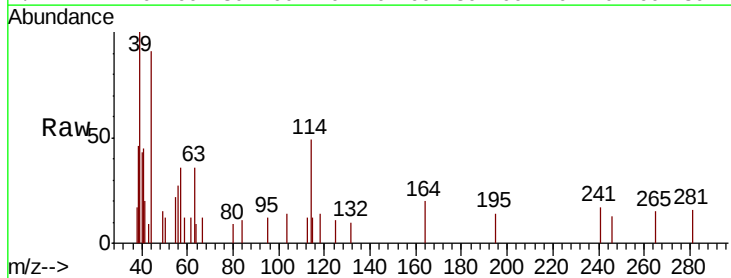
#43
Methvl Methacrvlate
Concen: 0.002 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

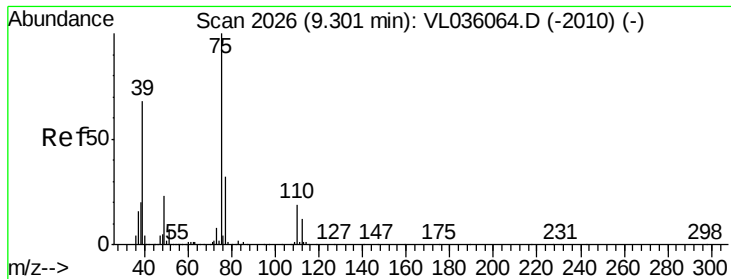
Tot Ion: 69 Resp: 204
Ion Ratio Lower Upper
69 100
41 715.2 133.0 199.6#
100 71.6 25.4 38.0#



#44
2,2,4-Trimethylpentane
Concen: 0.001 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 57 Resp: 369
Ion Ratio Lower Upper
57 100
41 0.0 28.9 43.3#
56 53.9 25.3 37.9#





#45

t-1,3-Dichloropropene

Concen: 0.002 ppbv

RT: 9.59 min Scan# 2117

Delta R.T. 0.29 min

Lab File: VL036151.D

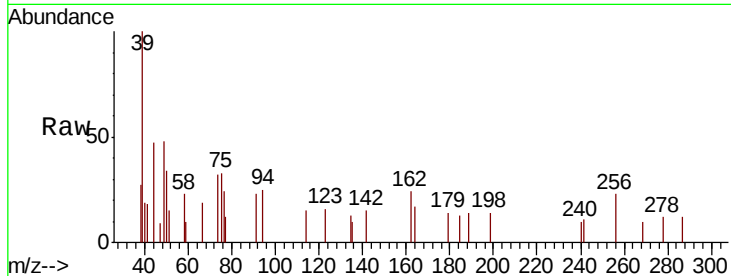
Acq: 11 Dec 2020 6:02

Tot Ion: 75 Resp: 189

Ion Ratio Lower Upper

75 100

77 36.9 26.0 39.0



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

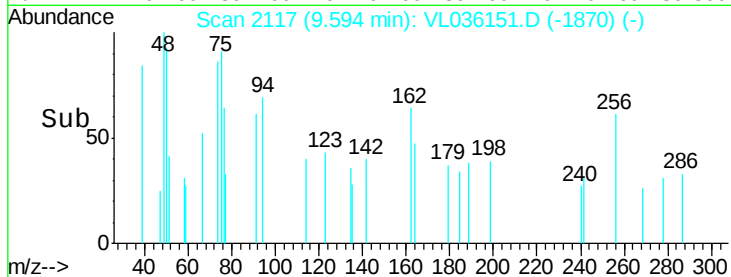
600

400

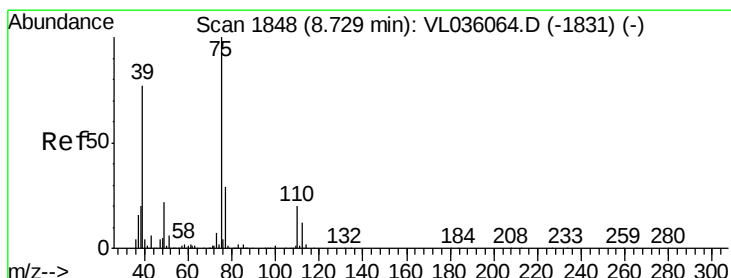
200

0

9.58 9.59 9.59 9.60 9.60



Time-->



#46

cis-1,3-Dichloropropene

Concen: 0.000 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

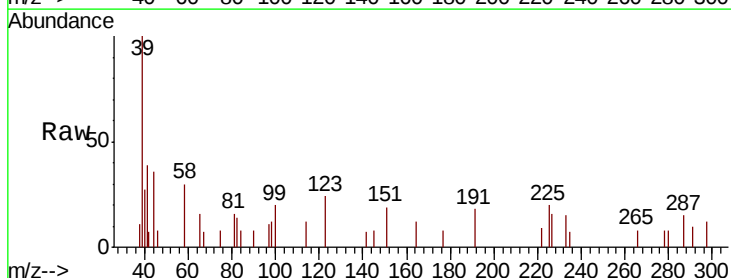
Tgt Ion: 75 Resp: 31

Ion Ratio Lower Upper

75 100

39 954.4 61.6 92.4#

77 0.0 23.0 34.6#



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

2500

2000

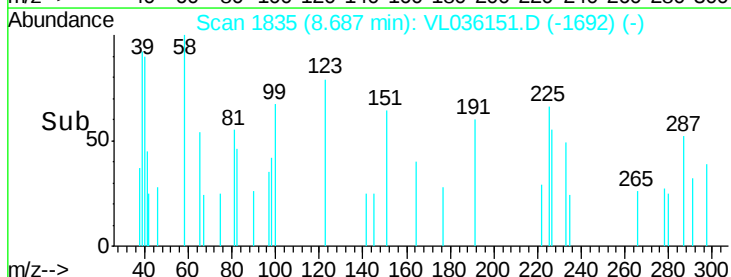
1500

1000

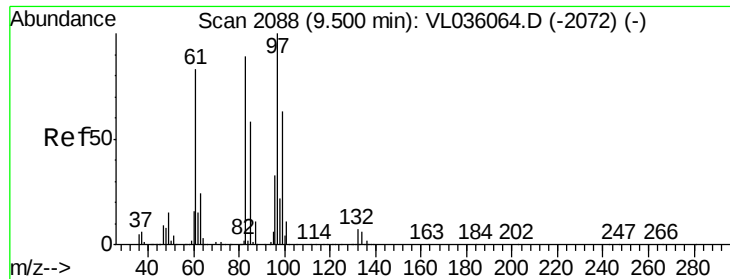
500

0

8.69 8.69



Time-->



#47

1,1,2-Trichloroethane

Concen: 0.004 ppbv

RT: 9.45 min Scan# 2071

Delta R.T. -0.05 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

Tot Ion: 97 Resp: 301

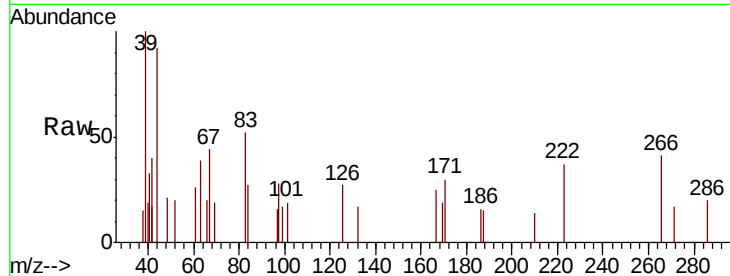
Ion Ratio Lower Upper

97 100

83 117.2 71.4 107.2#

85 0.0 46.6 70.0#

99 37.6 50.7 76.1#

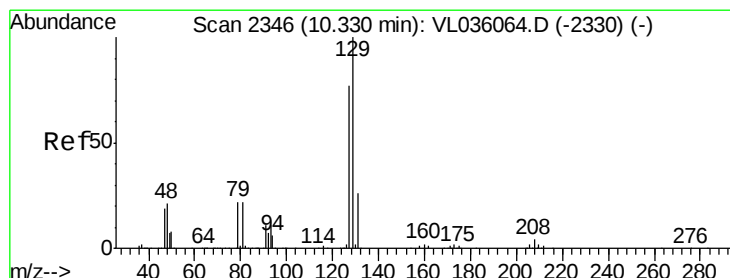
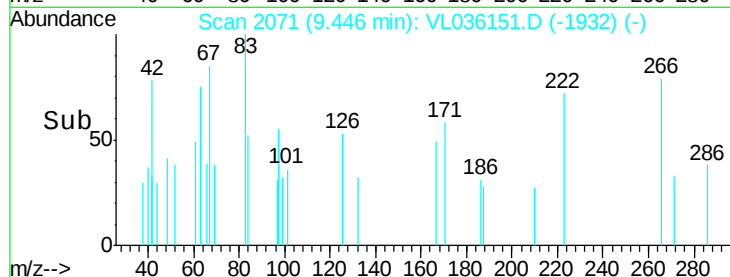
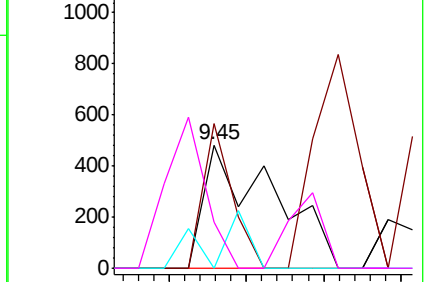


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 10.13 min Scan# 2285

Delta R.T. -0.20 min

Lab File: VL036151.D

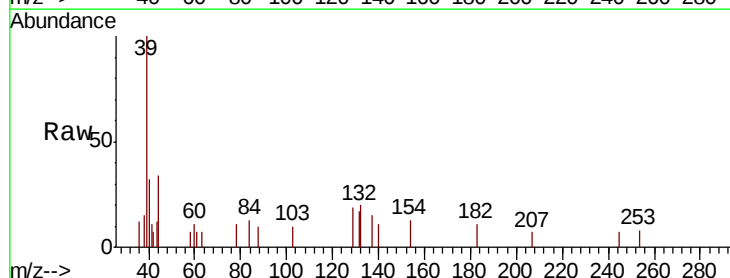
Acq: 11 Dec 2020 6:02

Tgt Ion: 129 Resp: 134

Ion Ratio Lower Upper

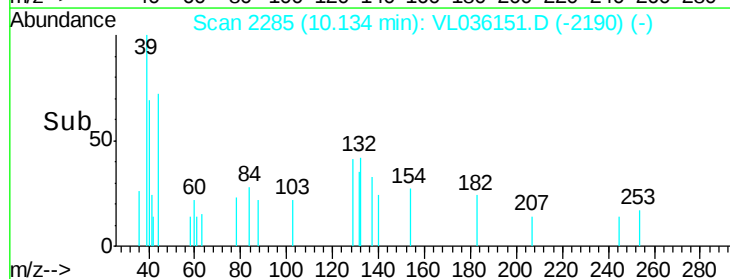
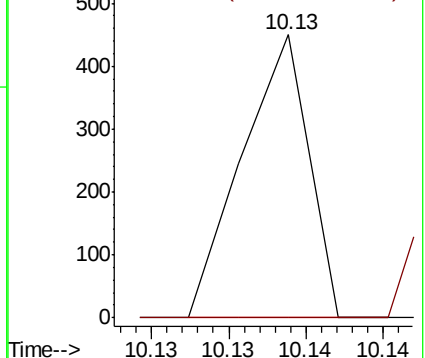
129 100

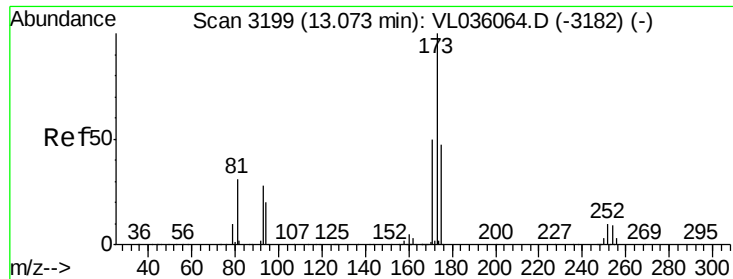
127 79.9 39.0 117.0



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: 12.94 min Scan# 3158

Delta R.T. -0.13 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

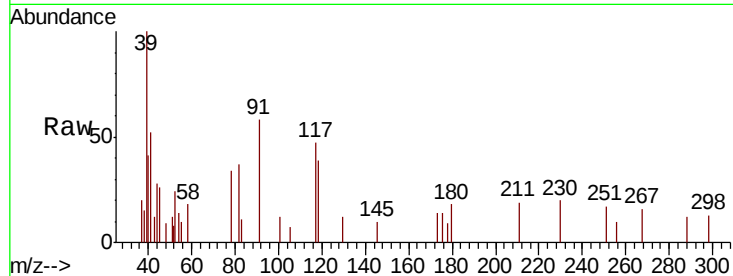
Tot Ion: 173 Resp: 56

Ion Ratio Lower Upper

173 100

175 92.9 39.8 59.6#

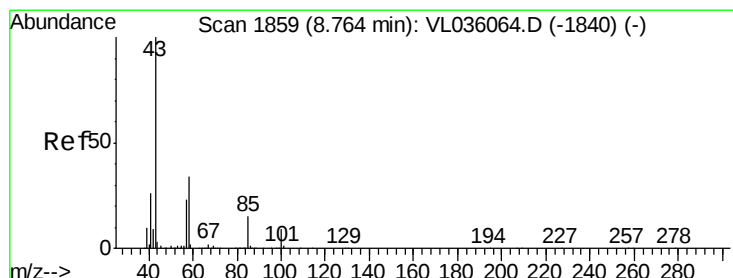
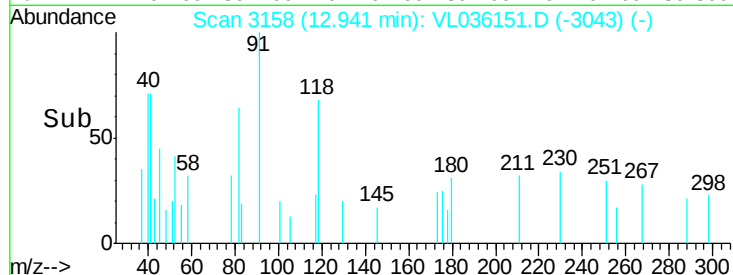
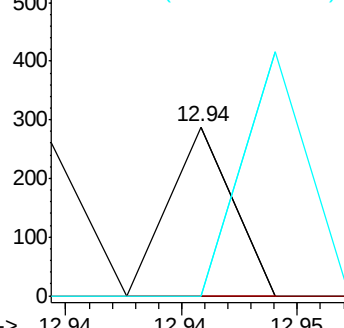
171 251.8 42.5 63.7#



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: 0.002 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VL036151.D

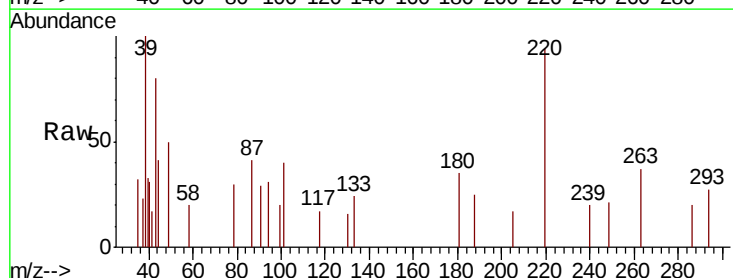
Acq: 11 Dec 2020 6:02

Tgt Ion: 43 Resp: 400

Ion Ratio Lower Upper

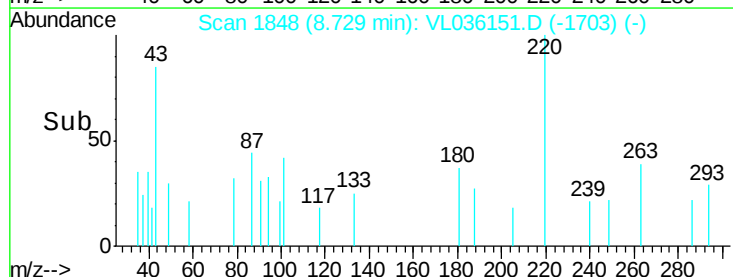
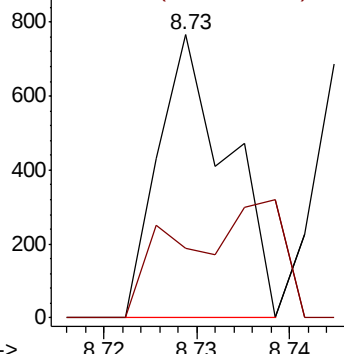
43 100

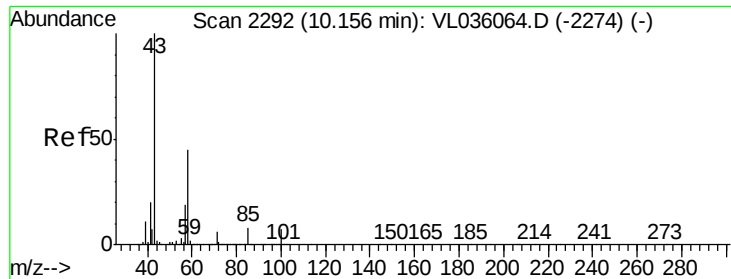
58 0.0 27.4 41.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

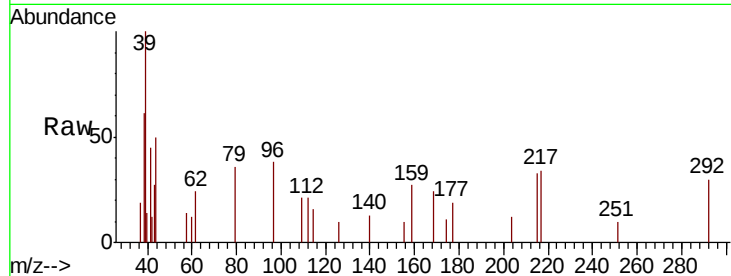
Ion 58.10 (57.80 to 58.80): VL0



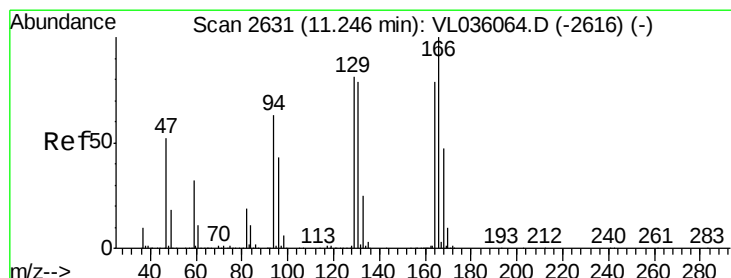
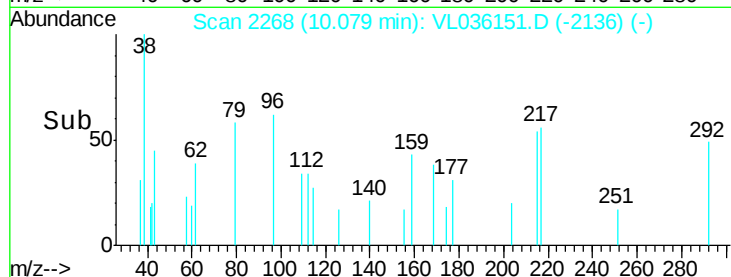
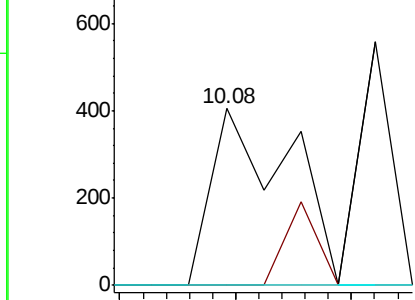


#51
2-Hexanone
Concen: 0.001 ppbv
RT: 10.08 min Scan# 2268
Delta R.T. -0.08 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion: 43 Resp: 188
Ion Ratio Lower Upper
43 100
58 0.0 38.7 58.1#
98 0.0 0.1 0.1#

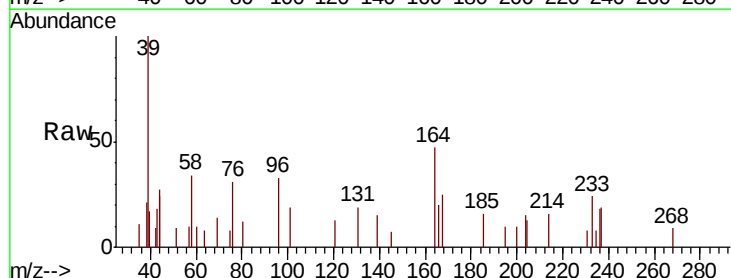


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0

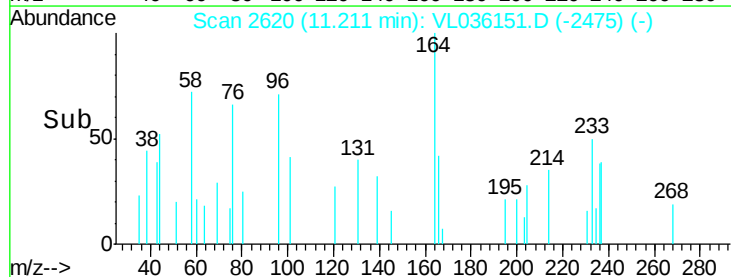
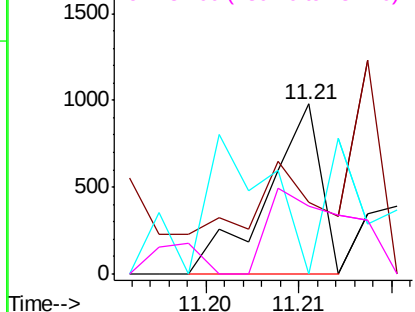


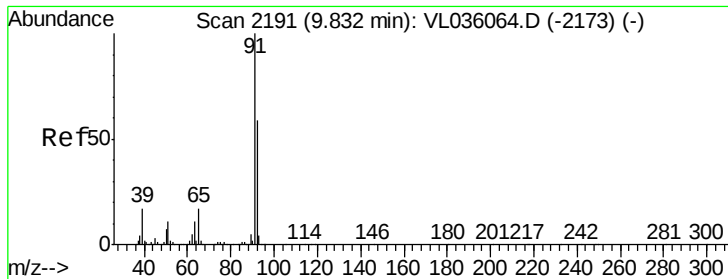
#52
Tetrachloroethene
Concen: 0.005 ppbv
RT: 11.21 min Scan# 2620
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 164 Resp: 389
Ion Ratio Lower Upper
164 100
166 18.6 101.9 152.9#
129 0.0 82.1 123.1#
131 22.1 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: 0.001 ppbv

RT: 9.59 min Scan# 2117

Delta R.T. -0.24 min

Lab File: VL036151.D

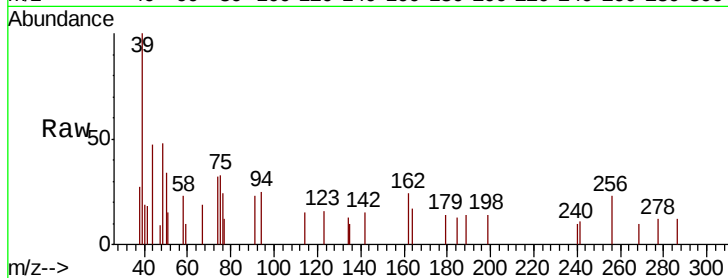
Acq: 11 Dec 2020 6:02

Tot Ion: 91 Resp: 160

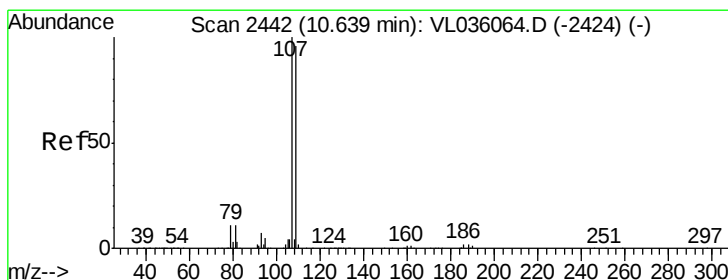
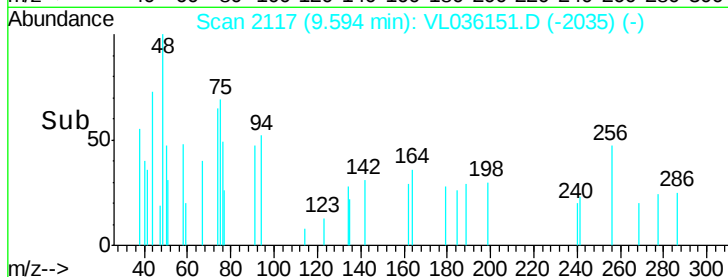
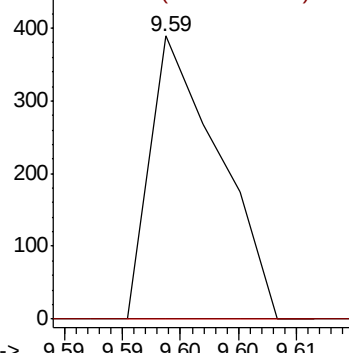
Ion Ratio Lower Upper

91 100

92 65.0 48.2 72.2



Abundance Ion 91.10 (90.80 to 91.80): VL0



#54

1,2-Dibromoethane

Concen: 0.001 ppbv

RT: 11.02 min Scan# 2560

Delta R.T. 0.38 min

Lab File: VL036151.D

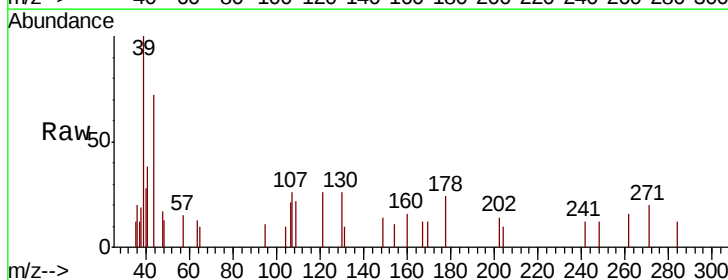
Acq: 11 Dec 2020 6:02

Tgt Ion: 107 Resp: 82

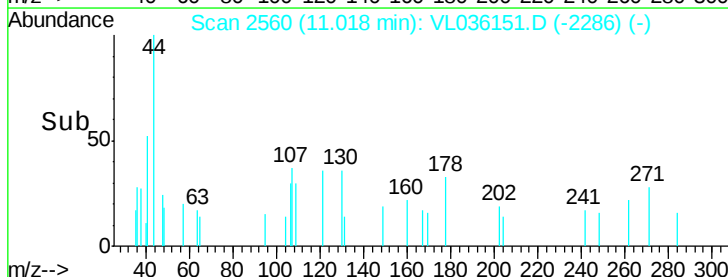
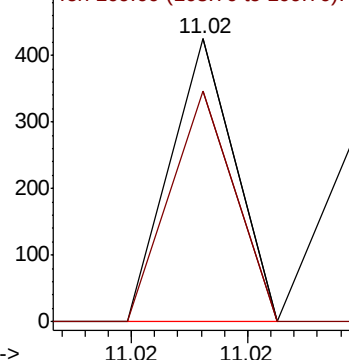
Ion Ratio Lower Upper

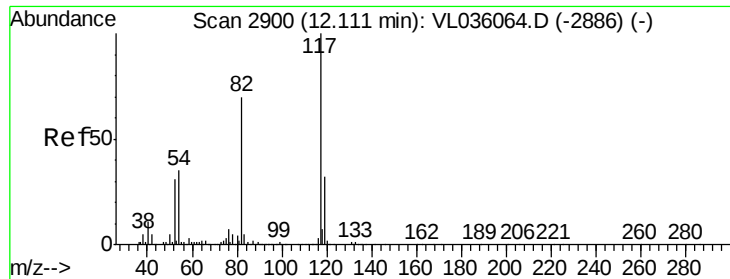
107 100

109 81.6 76.6 115.0



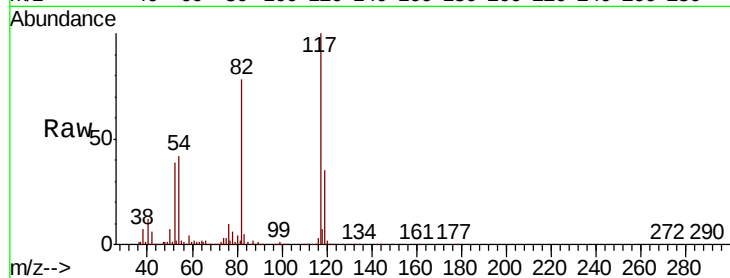
Abundance Ion 107.00 (106.70 to 107.70): V



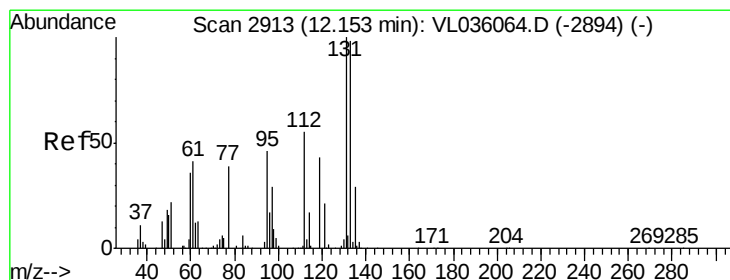
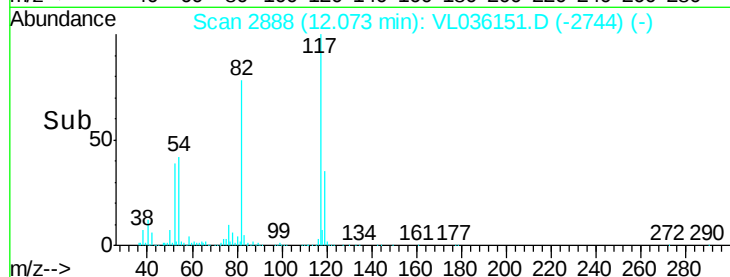
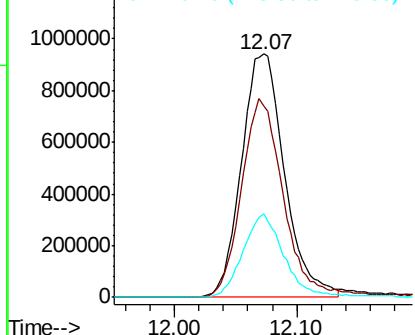


#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2888
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion:117 Resp: 2293700
Ion Ratio Lower Upper
117 100
82 81.3 0.0 0.0#
119 33.5 0.0 0.0#

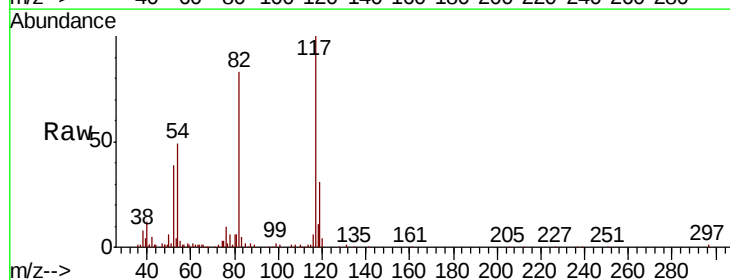


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V

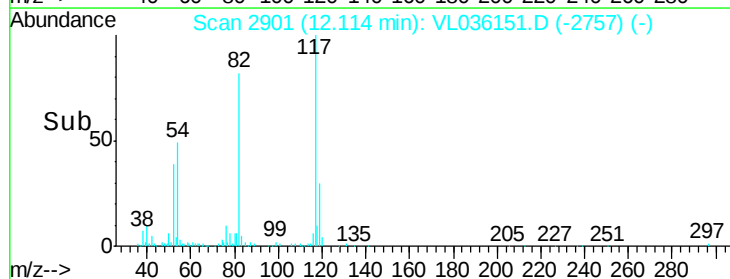
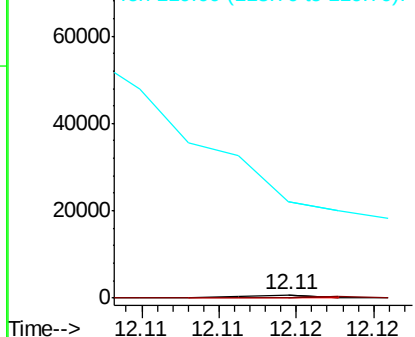


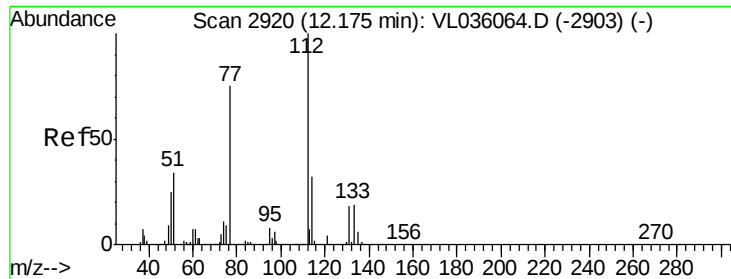
#56
1,1,1,2-Tetrachloroethane
Concen: 0.002 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion:131 Resp: 234
Ion Ratio Lower Upper
131 100
133 0.0 77.7 116.5#
119 0.0 51.6 77.4#



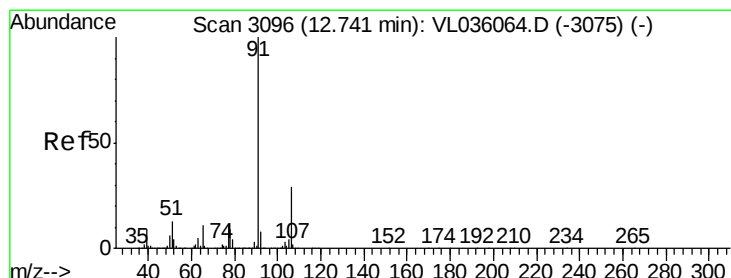
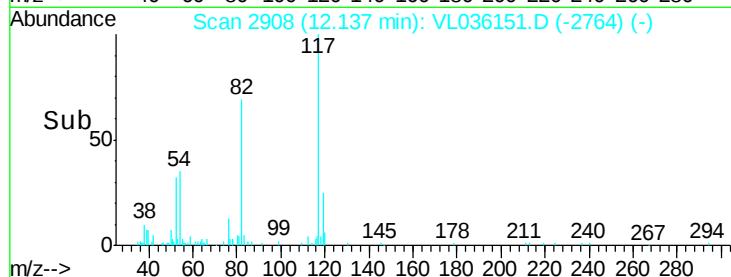
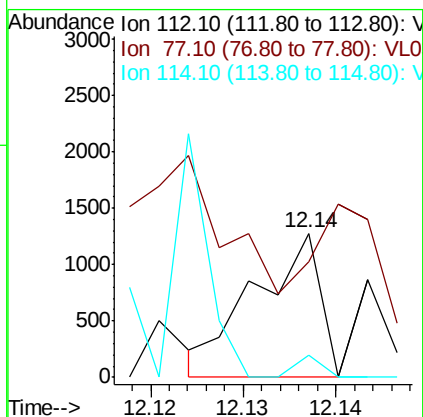
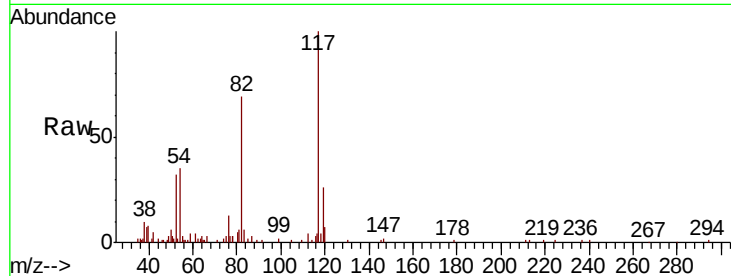
Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





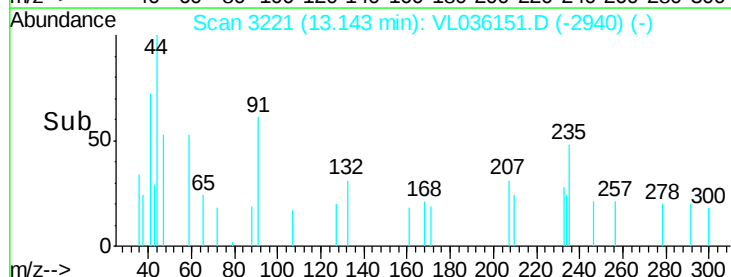
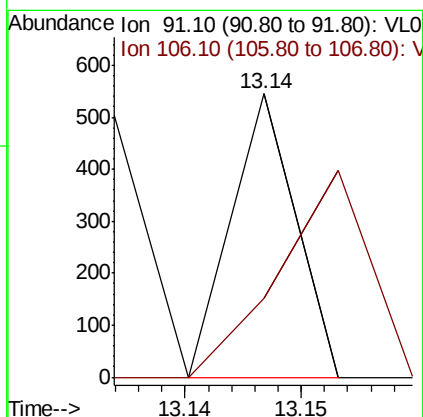
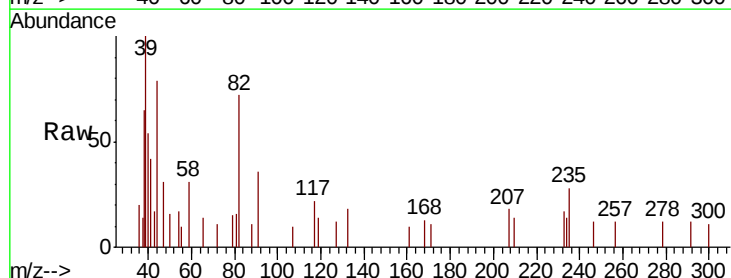
#57
Chlorobenzene
Concen: 0.004 ppbv
RT: 12.14 min Scan# 2908
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

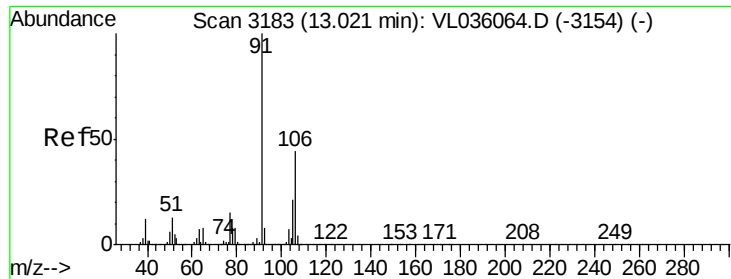
Tot Ion: 112 Resp: 623
Ion Ratio Lower Upper
112 100
77 0.0 60.5 90.7#
114 15.3 29.2 35.6#



#58
Ethyl Benzene
Concen: 0.000 ppbv
RT: 13.14 min Scan# 3221
Delta R.T. 0.40 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

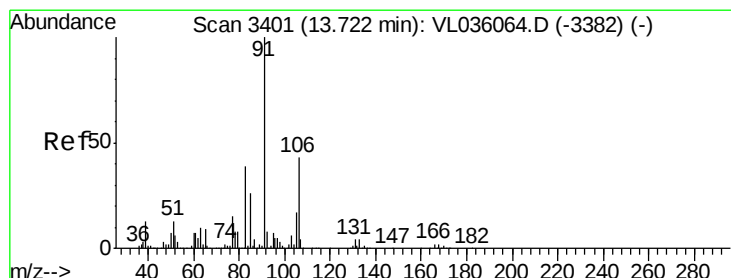
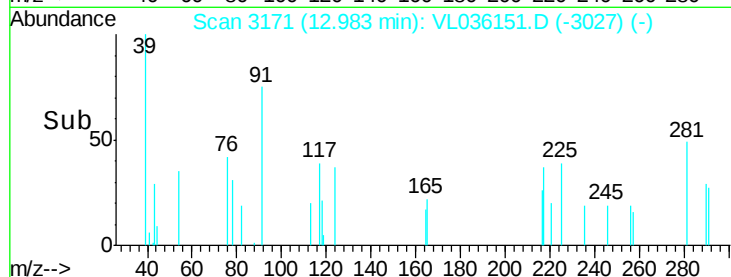
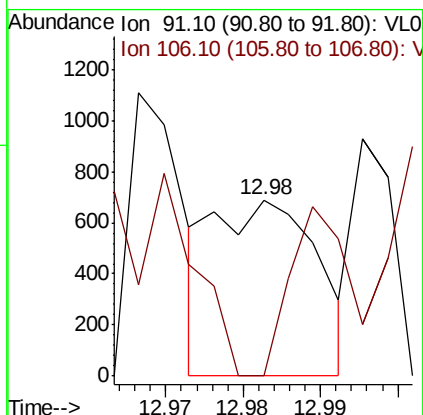
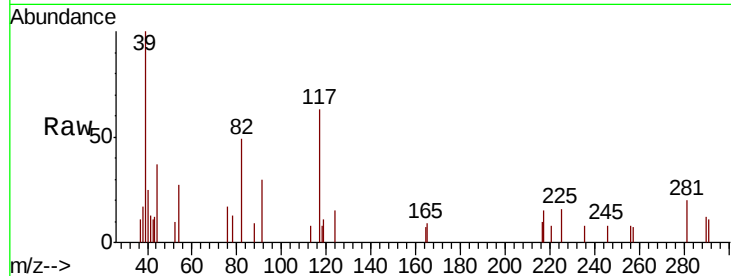
Tgt Ion: 91 Resp: 105
Ion Ratio Lower Upper
91 100
106 27.7 23.0 34.4





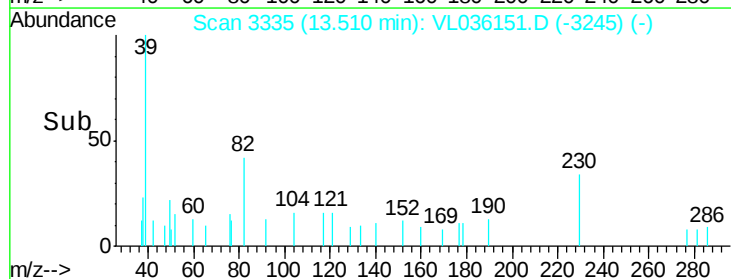
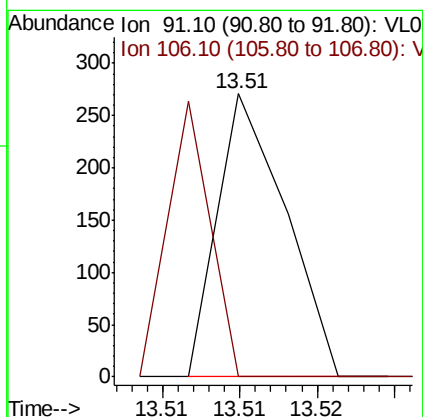
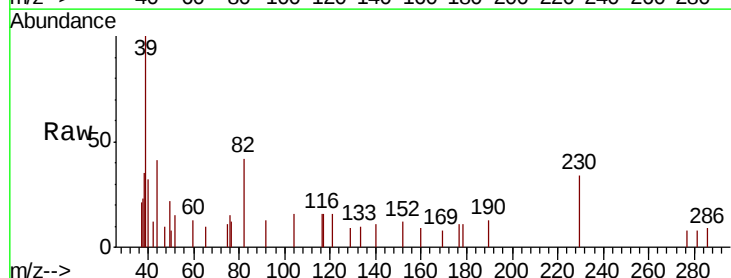
#59
m/p-Xylene
Concen: 0.002 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

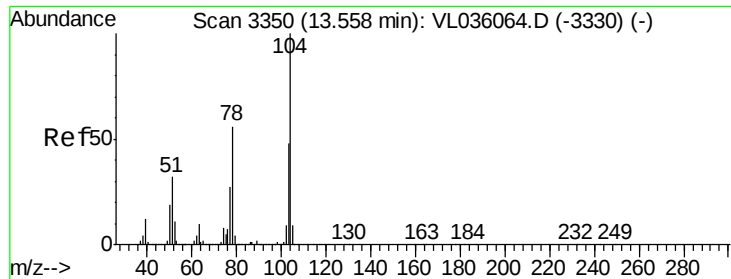
Tot Ion: 91 Resp: 645
Ion Ratio Lower Upper
91 100
106 0.0 33.6 50.4#



#60
o-Xylene
Concen: 0.000 ppbv
RT: 13.51 min Scan# 3335
Delta R.T. -0.21 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

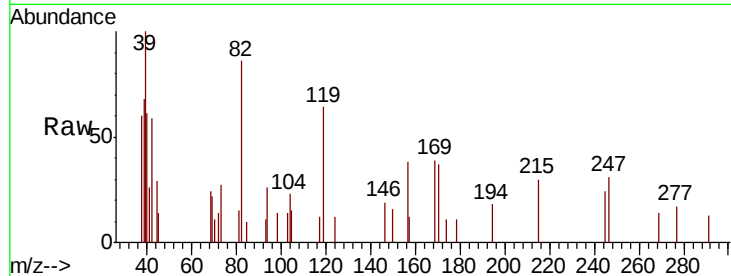
Tgt Ion: 91 Resp: 82
Ion Ratio Lower Upper
91 100
106 62.2 21.6 64.6



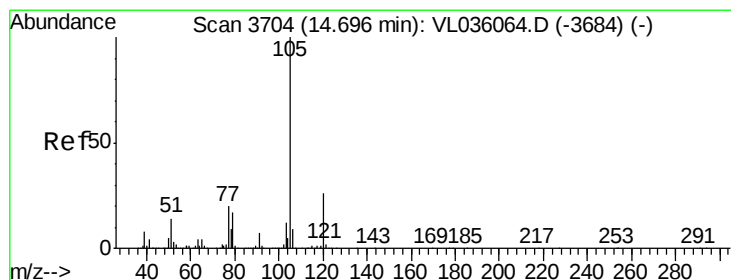
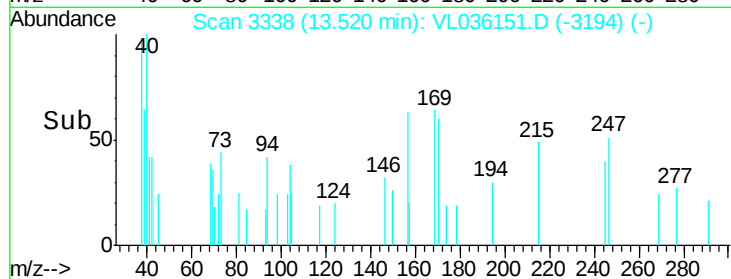
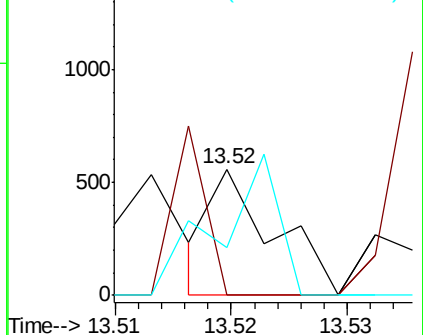


#61
Stvrene
Concen: 0.001 ppbv
RT: 13.52 min Scan# 3338
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion:104 Resp: 211
Ion Ratio Lower Upper
104 100
78 142.2 45.8 68.8#
103 106.6 38.6 57.8#

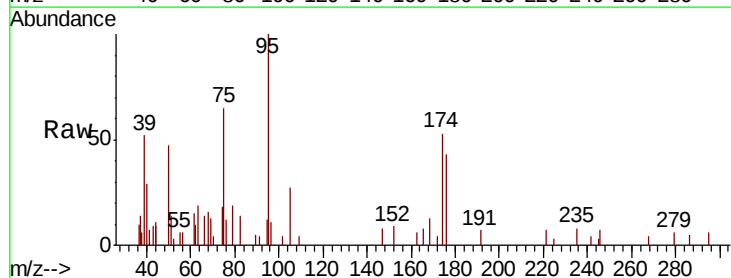


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VL0
Ion 103.10 (102.80 to 103.80): V

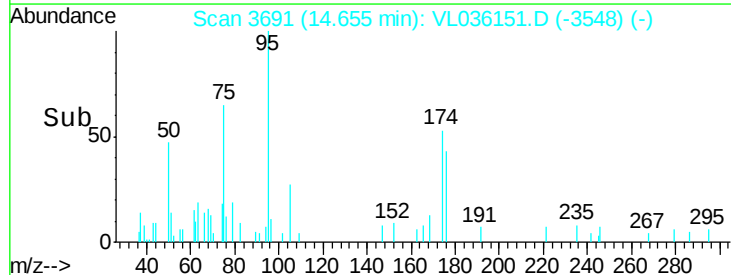
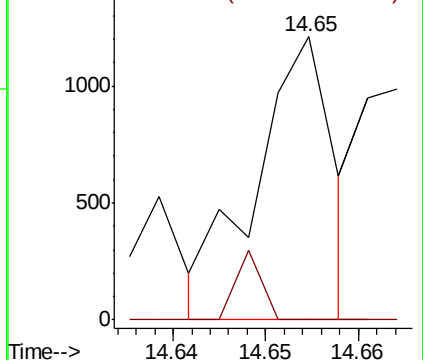


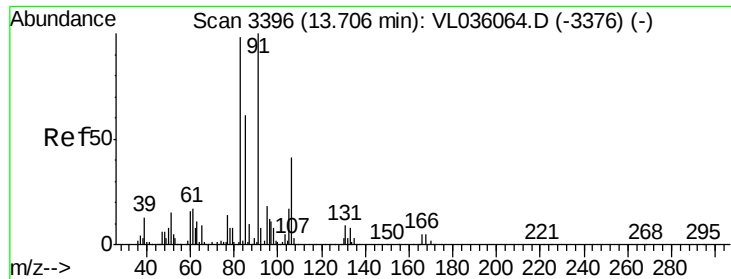
#62
Isopropylbenzene
Concen: 0.002 ppbv
RT: 14.65 min Scan# 3691
Delta R.T. -0.04 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion:105 Resp: 698
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: 13.66 min Scan# 3382

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

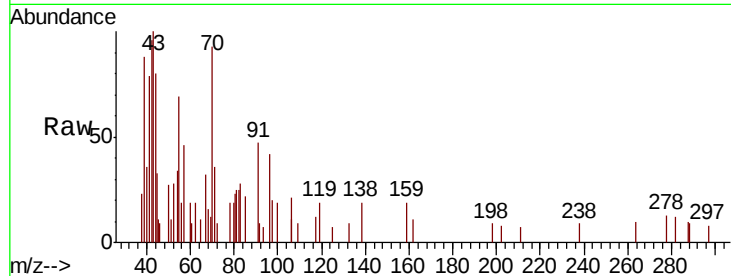
Tot Ion: 83 Resp: 169

Ion Ratio Lower Upper

83 100

131 0.0 4.6 13.8#

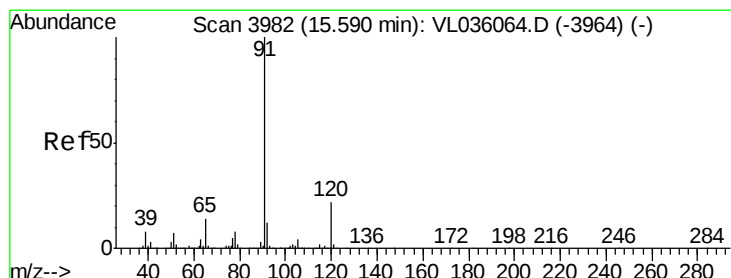
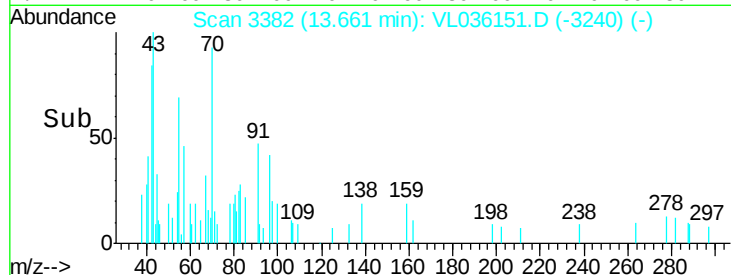
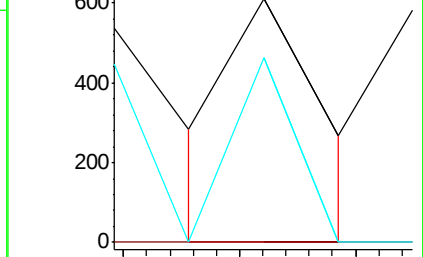
85 0.0 32.5 97.5#



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.001 ppbv

RT: 15.97 min Scan# 4100

Delta R.T. 0.38 min

Lab File: VL036151.D

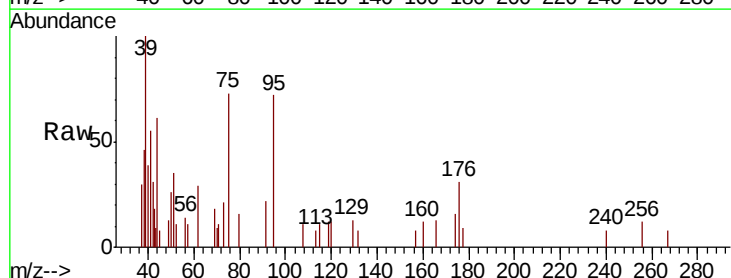
Acq: 11 Dec 2020 6:02

Tgt Ion: 120 Resp: 75

Ion Ratio Lower Upper

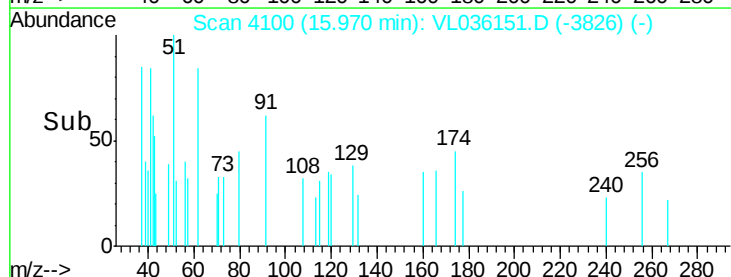
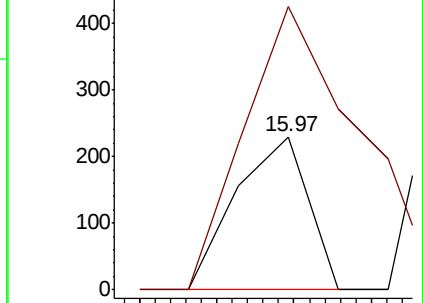
120 100

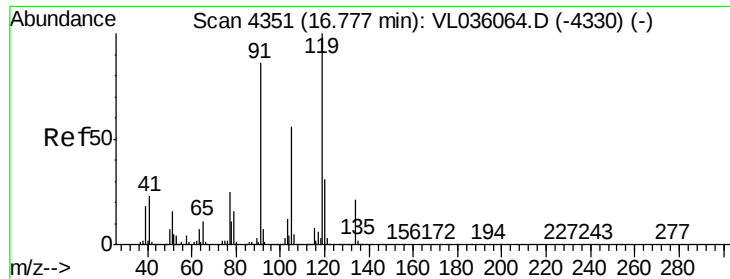
91 516.0 388.9 583.3



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.000 ppbv

RT: 16.72 min Scan# 4334

Delta R.T. -0.05 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

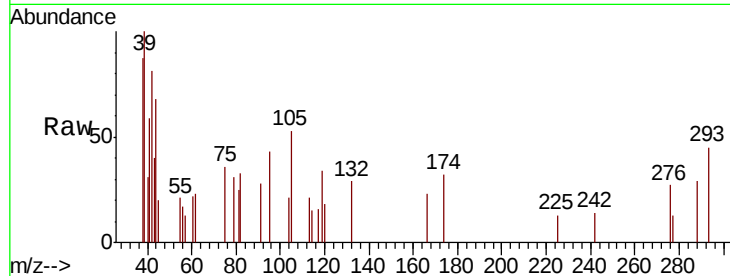
Tot Ion: 119 Resp: 110

Ion Ratio Lower Upper

119 100

91 0.0 70.2 105.2#

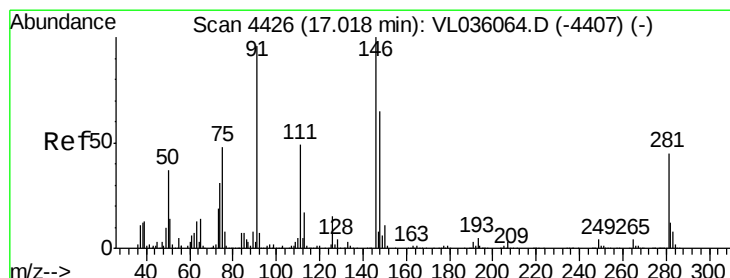
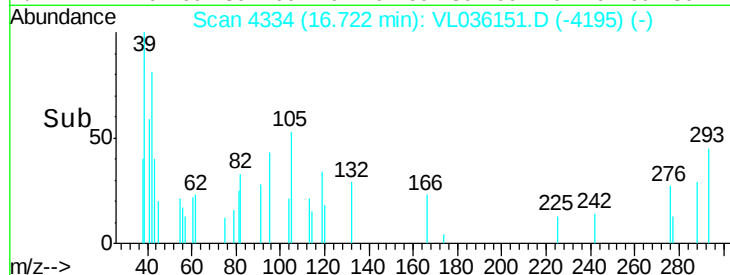
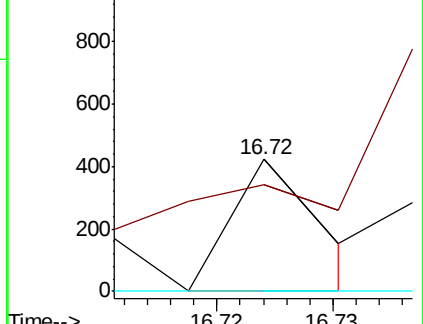
134 0.0 15.8 23.6#



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: 0.007 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.04 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

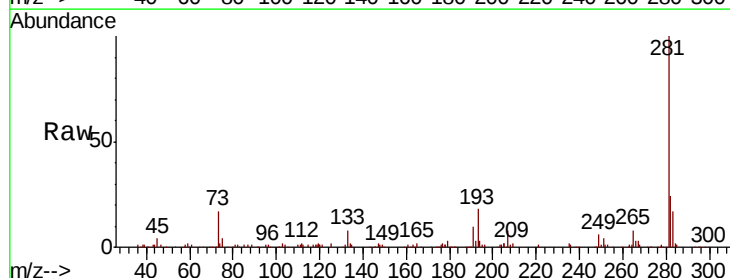
Tgt Ion: 91 Resp: 497

Ion Ratio Lower Upper

91 100

126 273.6 13.5 20.3#

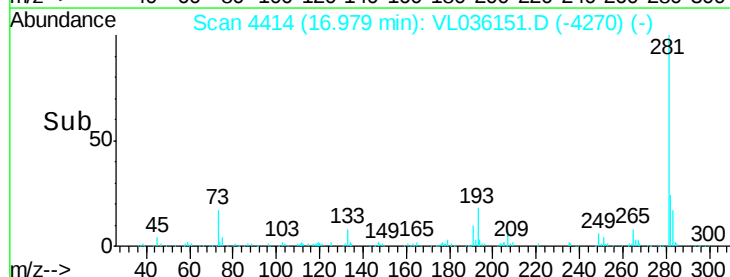
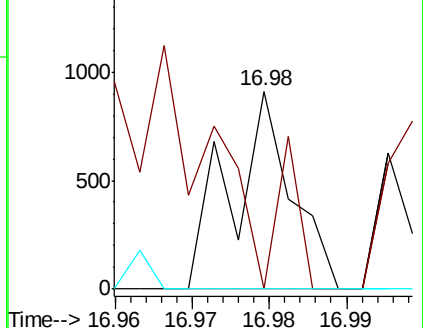
128 0.0 4.4 6.6#

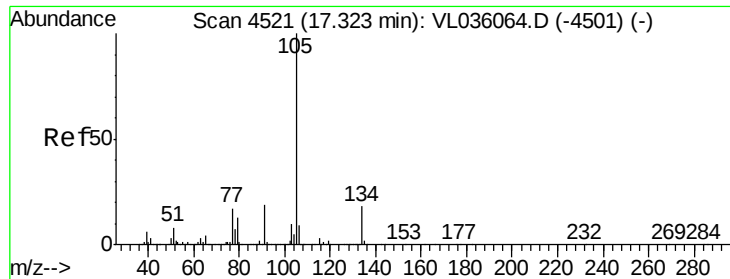


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

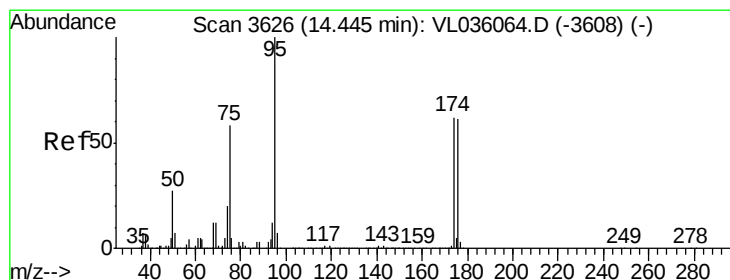
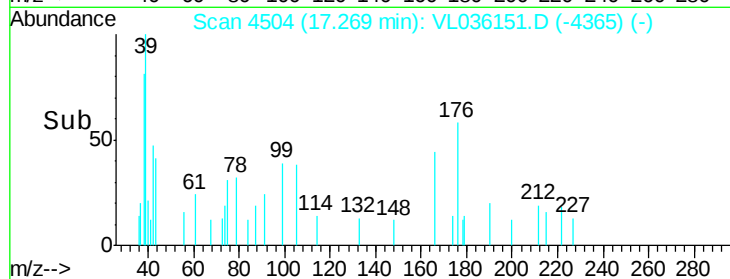
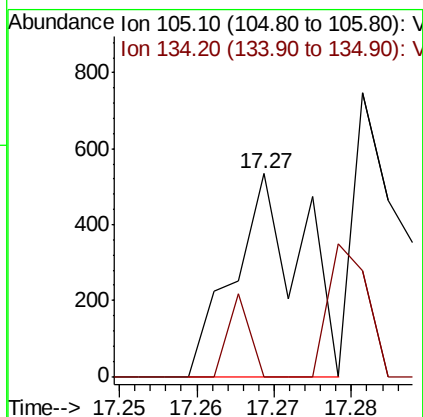
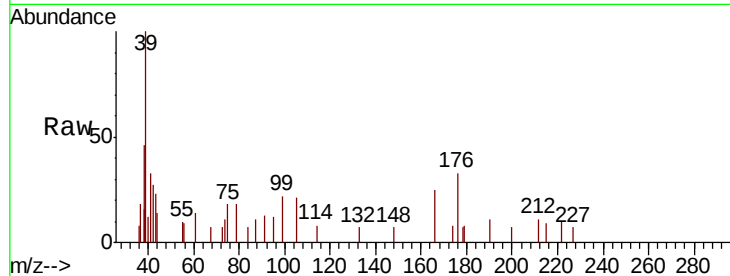
Ion 128.10 (127.80 to 128.80): V





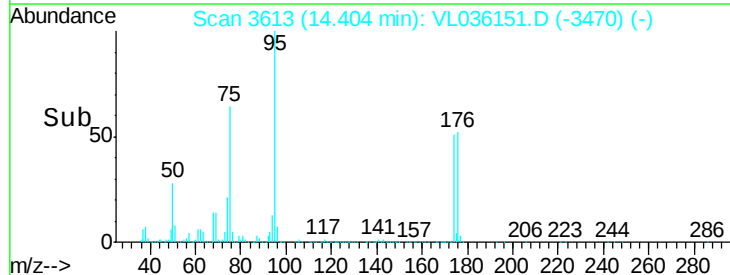
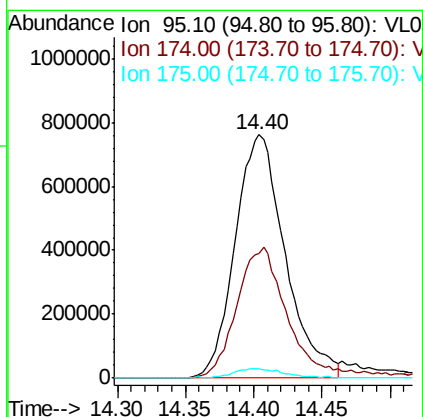
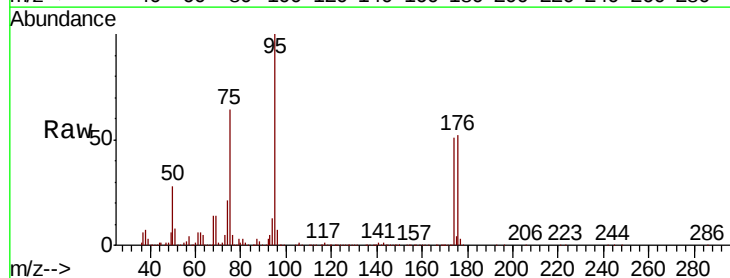
#67
 sec-Butylbenzene
 Concen: 0.001 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.05 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

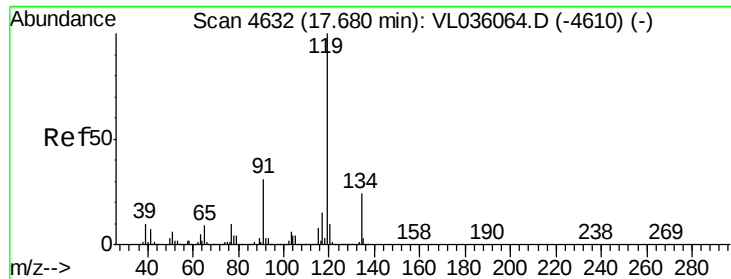
Tot Ion: 105 Resp: 326
 Ion Ratio Lower Upper
 105 100
 134 0.0 14.2 21.4#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.620 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. -0.04 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

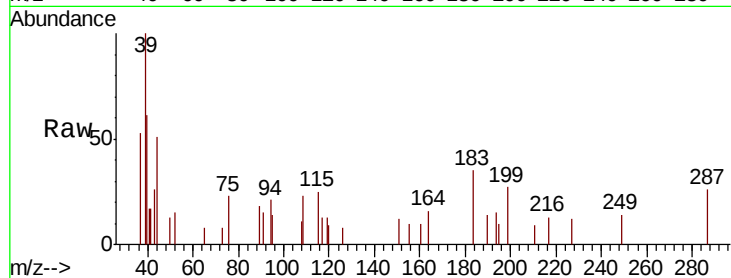
Tgt Ion: 95 Resp: 1934196
 Ion Ratio Lower Upper
 95 100
 174 56.9 50.7 76.1
 175 4.1 4.0 6.0



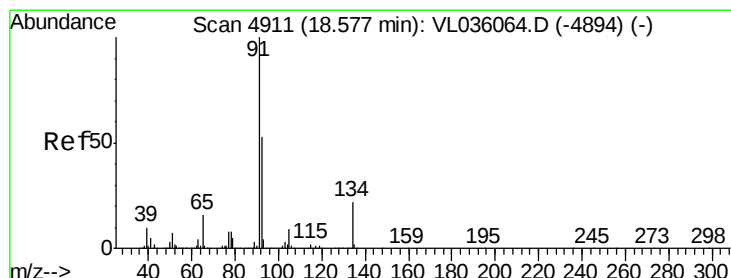
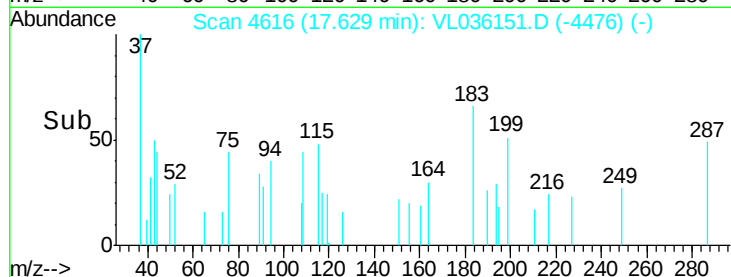
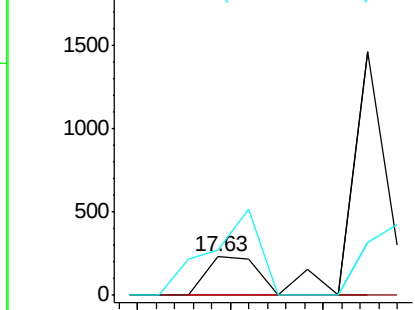


#69
p-Isopropyltoluene
Concen: 0.000 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion: 119 Resp: 116
Ion Ratio Lower Upper
119 100
134 0.0 19.8 29.6#
91 209.5 25.8 38.6#

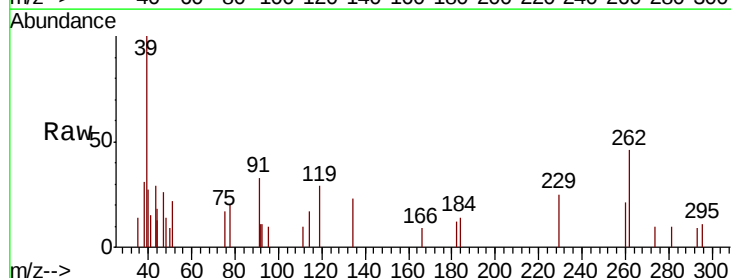


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

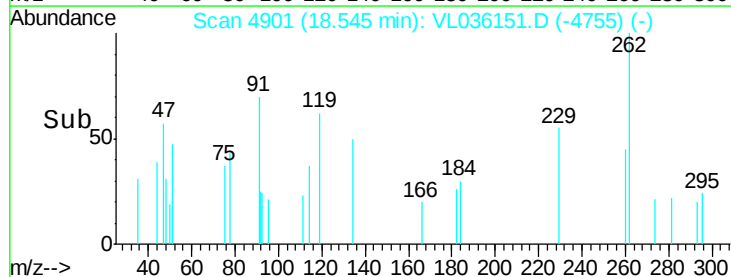
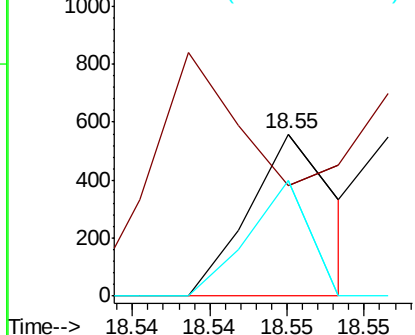


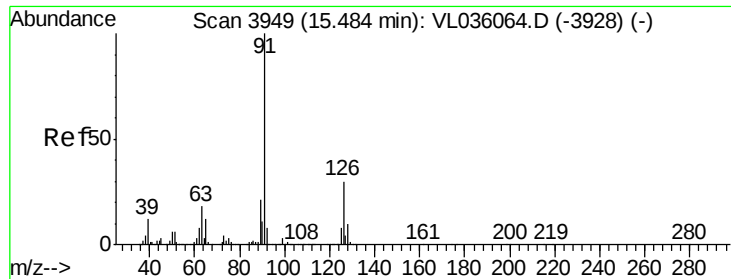
#70
n-Butylbenzene
Concen: 0.001 ppbv
RT: 18.55 min Scan# 4901
Delta R.T. -0.03 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 91 Resp: 217
Ion Ratio Lower Upper
91 100
92 494.5 43.3 64.9#
134 49.8 17.1 25.7#



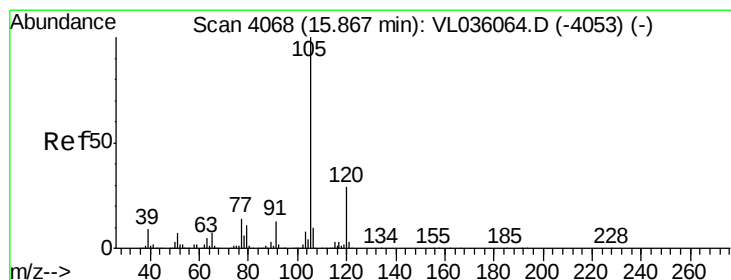
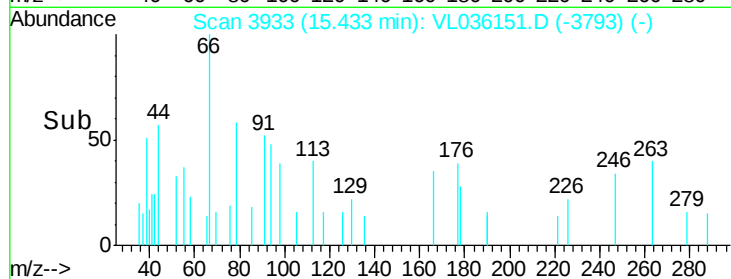
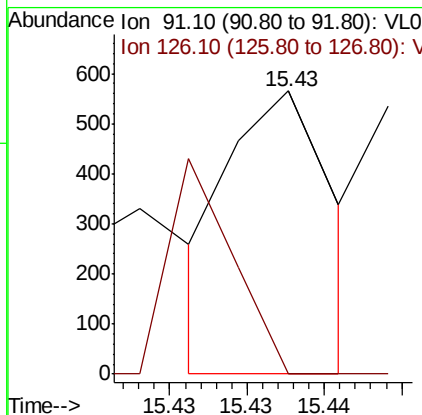
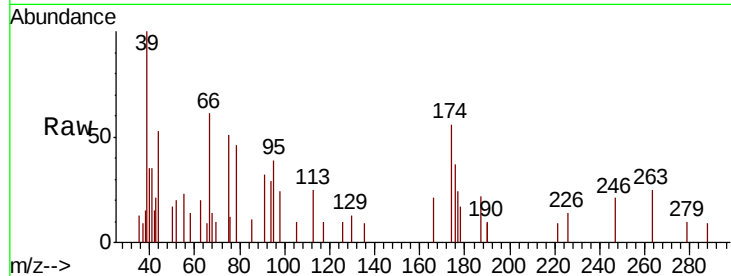
Abundance Ion 91.10 (90.80 to 91.80): V
Ion 92.10 (91.80 to 92.80): V
Ion 134.20 (133.90 to 134.90): V





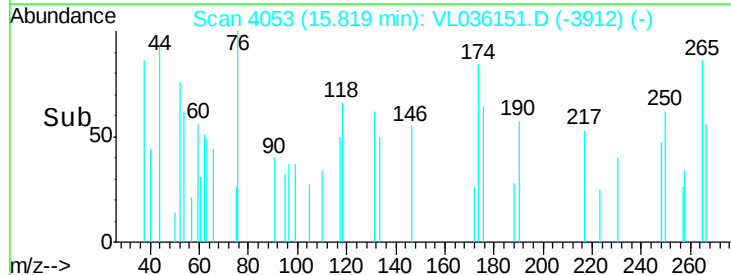
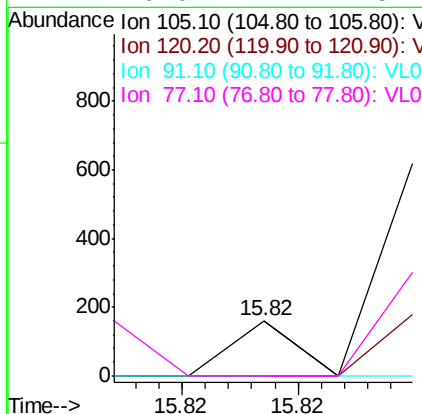
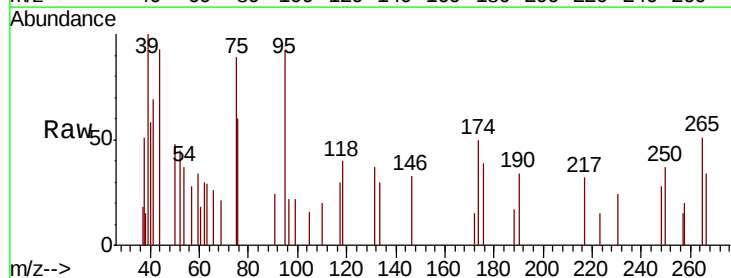
#71
2-Chlorotoluene
Concen: 0.001 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

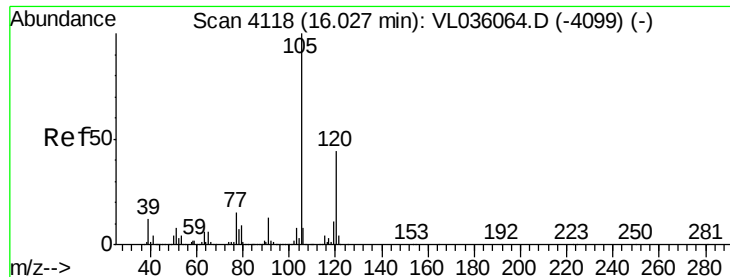
Tot Ion: 91 Resp: 264
Ion Ratio Lower Upper
91 100
126 0.0 11.6 46.4#



#72
4-Ethyltoluene
Concen: 0.000 ppbv
RT: 15.82 min Scan# 4053
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion: 105 Resp: 31
Ion Ratio Lower Upper
105 100
120 0.0 23.6 35.4#
91 274.2 11.4 17.0#
77 0.0 12.1 18.1#

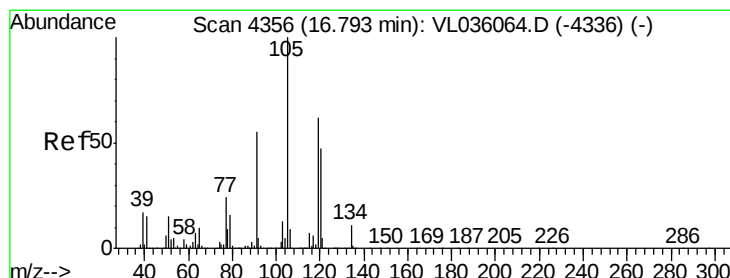
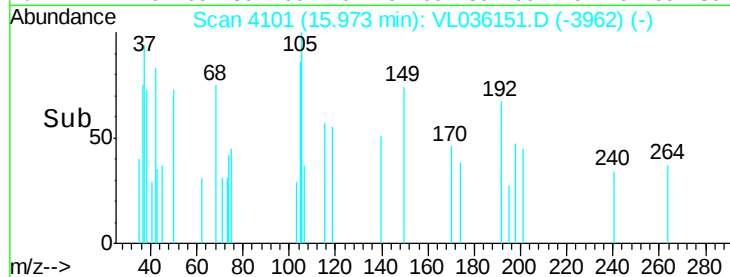
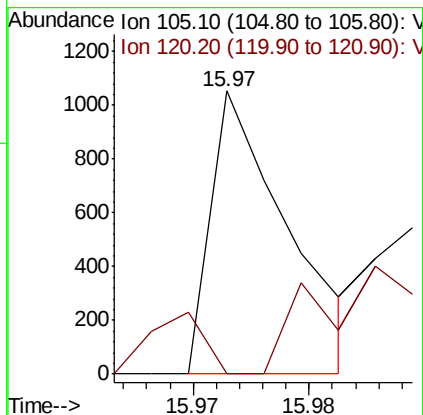
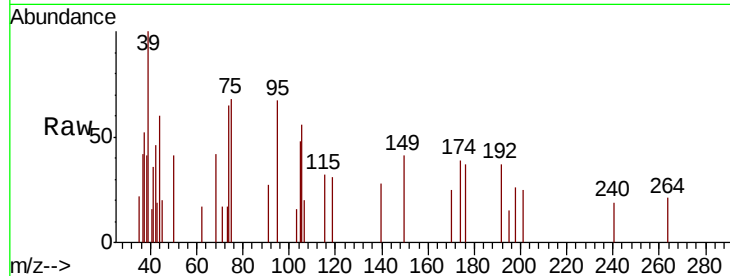




#73

1,3,5-Trimethylbenzene
Concen: 0.002 ppbv
RT: 15.97 min Scan# 4101
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

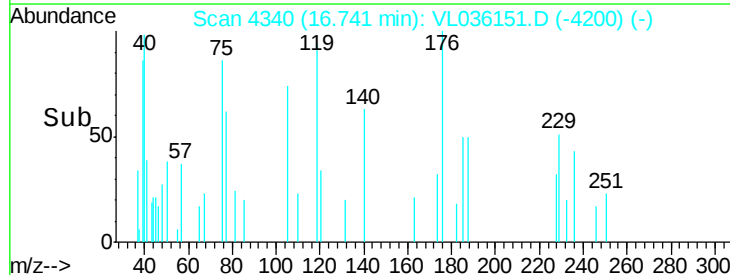
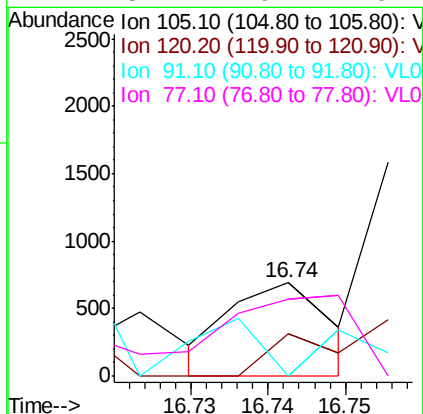
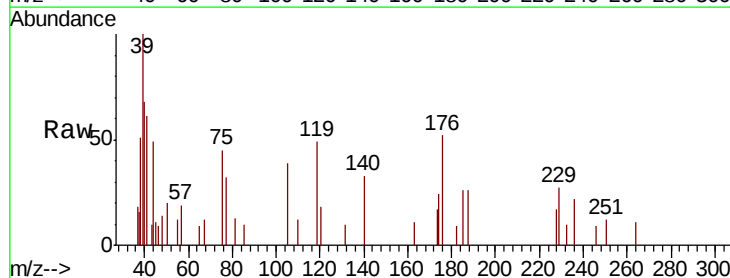
Tot Ion:105 Resp: 484
Ion Ratio Lower Upper
105 100
120 0.0 35.4 53.2#

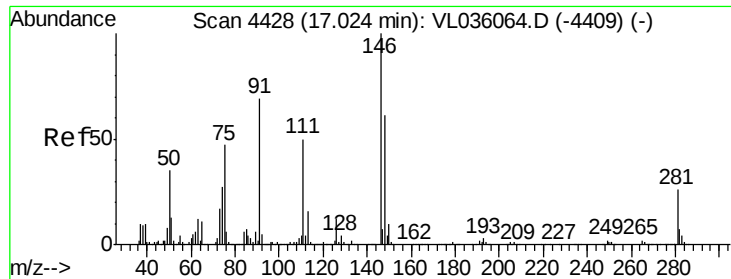


#74

1,2,4-Trimethylbenzene
Concen: 0.001 ppbv
RT: 16.74 min Scan# 4340
Delta R.T. -0.05 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion:105 Resp: 309
Ion Ratio Lower Upper
105 100
120 68.3 37.4 56.0#
91 0.0 45.6 68.4#
77 84.4 19.4 29.2#





#75

1,3-Dichlorobenzene

Concen: 0.001 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.05 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

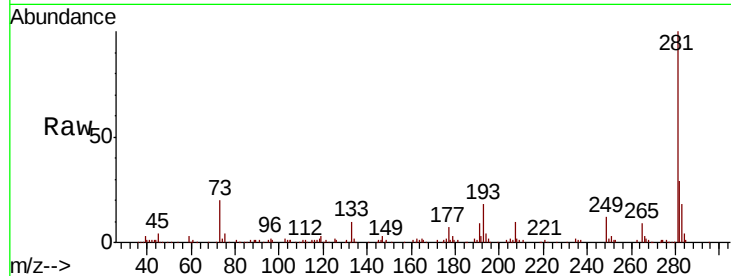
Tot Ion:146 Resp: 181

Ion Ratio Lower Upper

146 100

111 0.0 25.1 75.3#

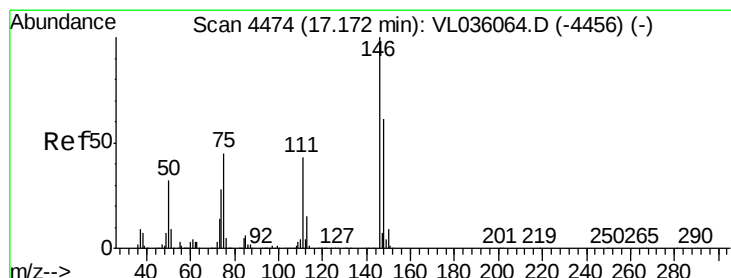
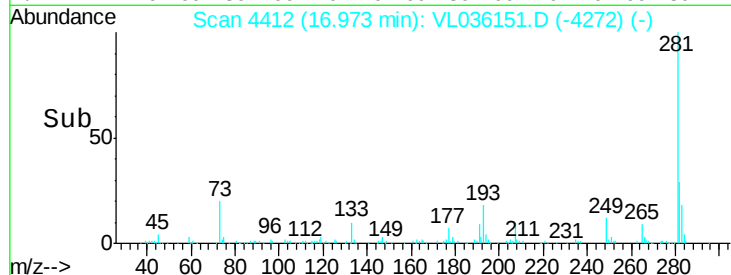
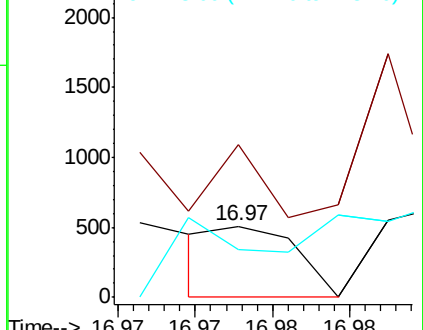
148 0.0 32.9 98.6#



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: 0.001 ppbv

RT: 17.11 min Scan# 4454

Delta R.T. -0.06 min

Lab File: VL036151.D

Acq: 11 Dec 2020 6:02

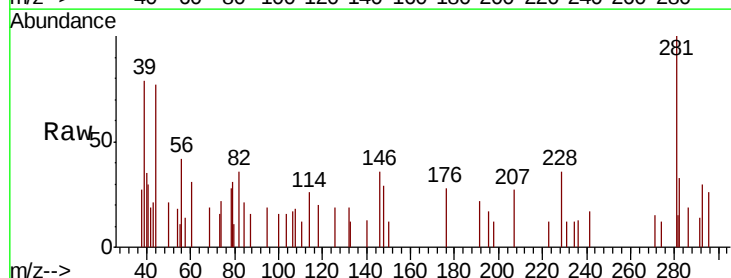
Tgt Ion:146 Resp: 130

Ion Ratio Lower Upper

146 100

111 0.0 24.3 72.8#

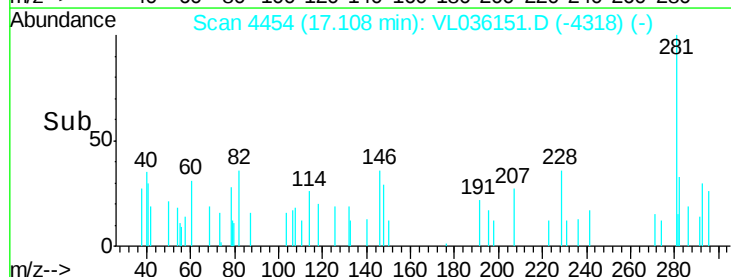
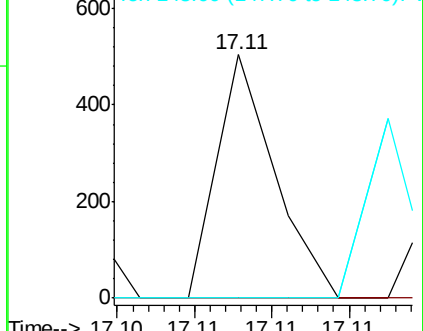
148 0.0 32.8 98.3#

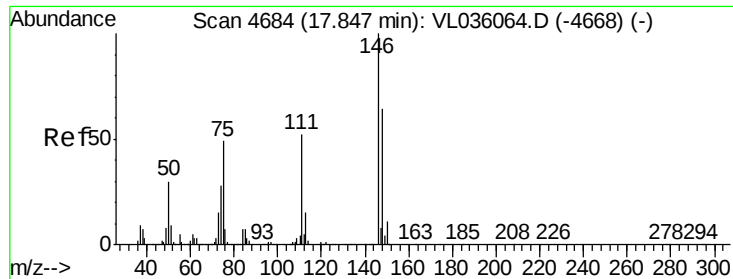


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

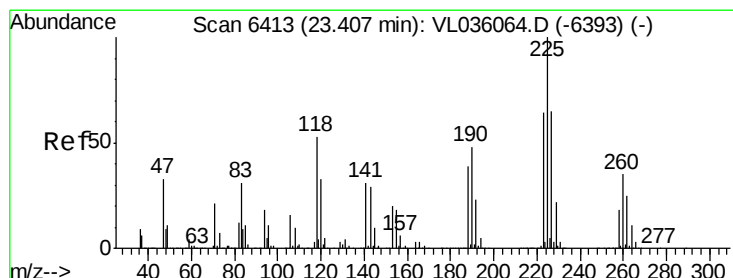
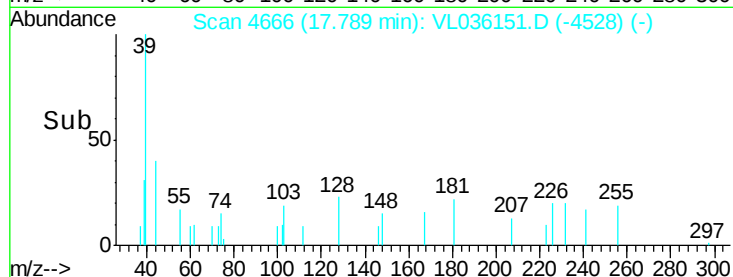
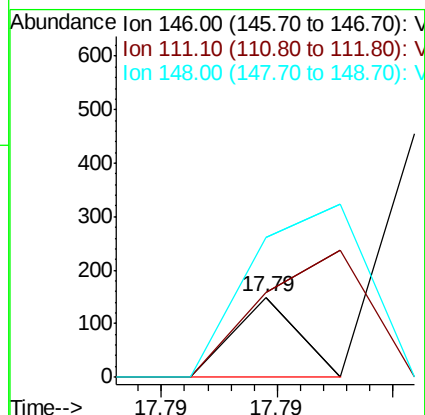
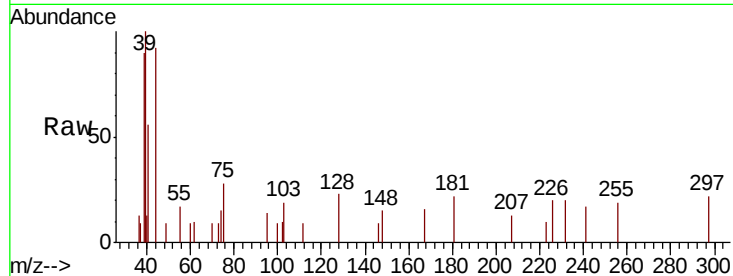
Ion 148.00 (147.70 to 148.70): V





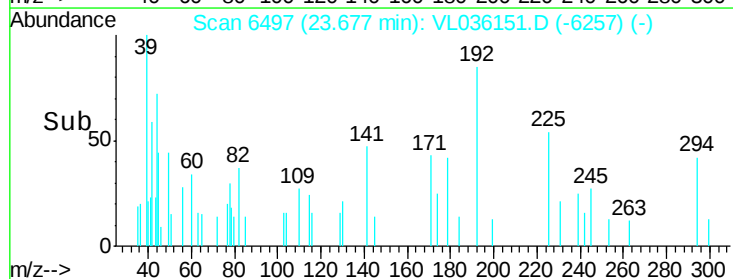
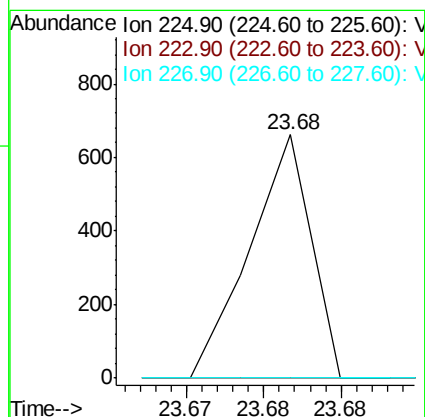
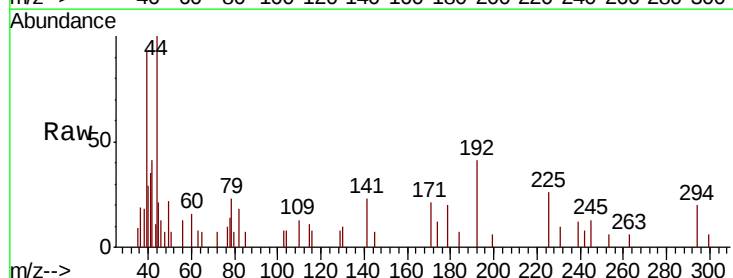
#77
 1,2-Dichlorobenzene
 Concen: 0.000 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.06 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

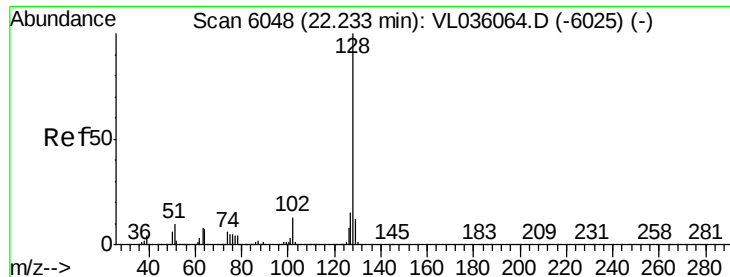
Tot Ion:146 Resp: 29
 Ion Ratio Lower Upper
 146 100
 111 265.5 26.1 78.2#
 148 0.0 33.1 99.5#



#78
 Hexachloro-1,3-Butadiene
 Concen: 0.002 ppbv
 RT: 23.68 min Scan# 6497
 Delta R.T. 0.27 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

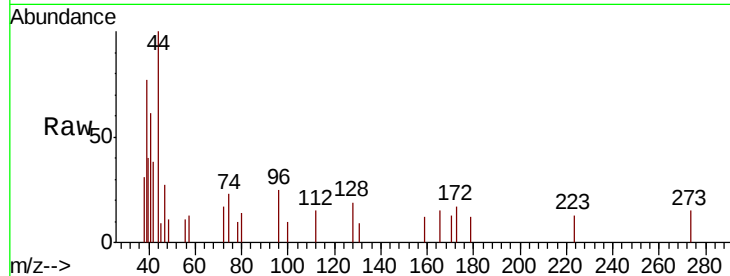
Tgt Ion:225 Resp: 182
 Ion Ratio Lower Upper
 225 100
 223 70.9 51.1 76.7
 227 65.4 51.7 77.5



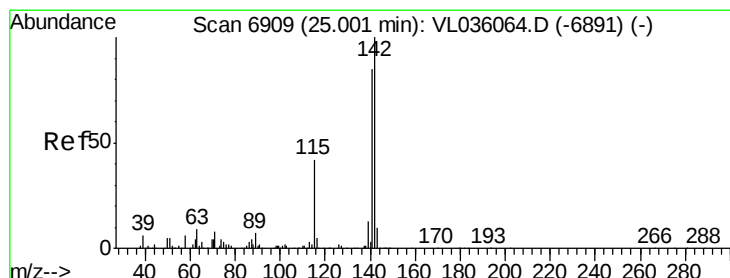
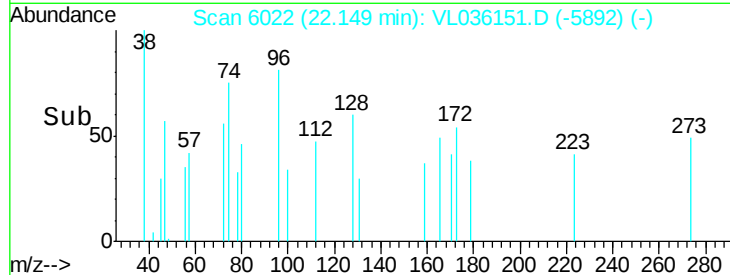
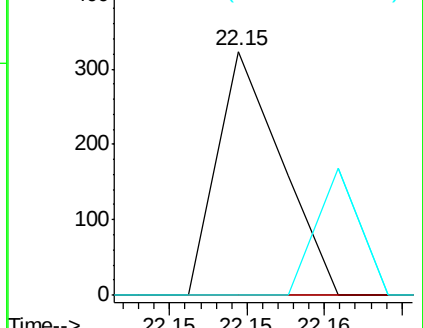


#79
Naphthalene
Concen: 0.001 ppbv
RT: 22.15 min Scan# 6022
Delta R.T. -0.08 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tot Ion:128 Resp: 93
Ion Ratio Lower Upper
128 100
127 100.0 11.7 17.5#
129 0.0 9.3 13.9#

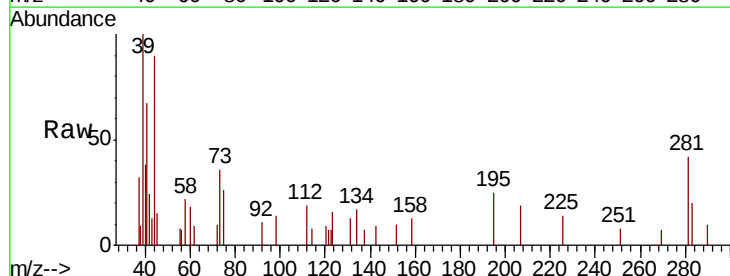


Abundance Ion 128.10 (127.80 to 128.80): V
Ion 127.10 (126.80 to 127.80): V
Ion 129.10 (128.80 to 129.80): V

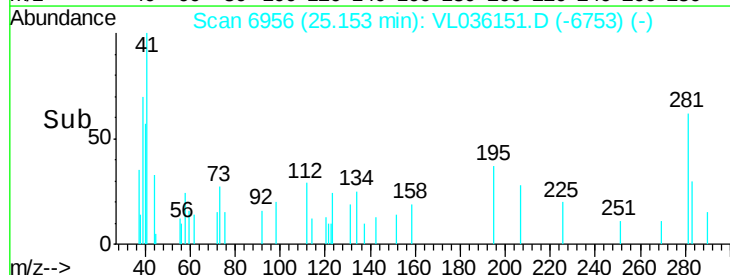
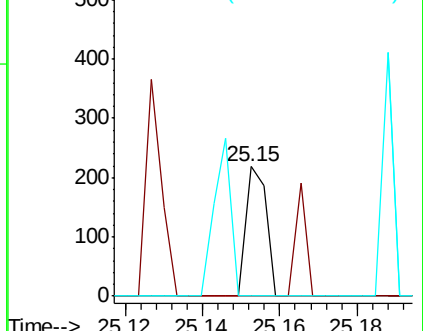


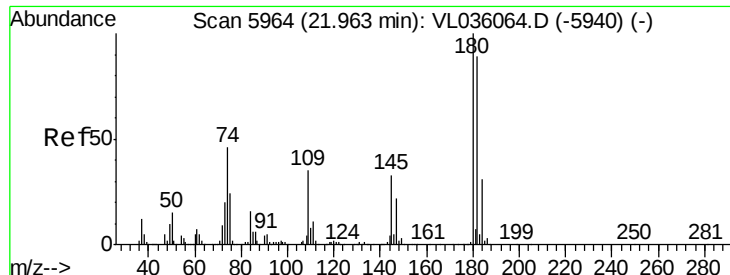
#80
Naphthalene, 2-methyl-
Concen: 0.003 ppbv
RT: 25.15 min Scan# 6956
Delta R.T. 0.15 min
Lab File: VL036151.D
Acq: 11 Dec 2020 6:02

Tgt Ion:142 Resp: 78
Ion Ratio Lower Upper
142 100
141 47.4 64.3 96.5#
115 105.1 33.9 50.9#



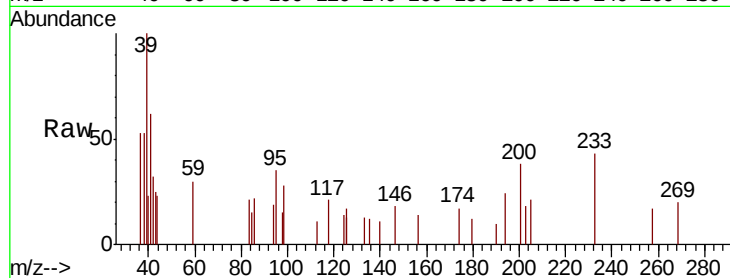
Abundance Ion 142.00 (141.70 to 142.70): V
Ion 141.00 (140.70 to 141.70): V
Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.001 ppbv
 RT: 21.91 min Scan# 5948
 Delta R.T. -0.05 min
 Lab File: VL036151.D
 Acq: 11 Dec 2020 6:02

Tot Ion	Ratio	Lower	Upper
180	100		
182	142.4	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

